

Invented for life



BOSCH

Efficient and professional maintenance, diagnosis, and repair of vehicles

ESI[tronic] 2.0 Online diagnostic software from Bosch



ESI[tronic] 2.0 Online: The diagnostic software for workshops

The worldwide proven diagnostic software for the maintenance, diagnosis, and repair of vehicles: efficient, comprehensive, simple, and fast.

Diagnosis in workshops is becoming increasingly important for professional service and efficient repair. Whether a passenger car or commercial vehicle – nowadays, people expect more from diagnostic software than just pure ECU diagnostics. Intelligent troubleshooting, support for fast service according to manufacturer specifications, and experience-based repair cases are the new

standard in the diagnostics sector. Efficient ECU diagnostics from Bosch guide you step by step to the cause of the fault and provide you with all the information you need to service and repair the vehicle. In addition, our hotline and training experts are available to assist you with complex diagnostic and repair cases.



ESI[tronic] 2.0 Online offers information for over **90,000 vehicles** from around **150 brands**.



Tailored to the needs of workshops

The flexible licensing model allows workshops to expand the diagnostic software according to their needs and growth. ESI[tronic] 2.0 Online allows workshops to increase capacity utilization, customer satisfaction, and customer loyalty.



Always up to date

The Diagnostics Download Manager (DDM) provides access to ESI[tronic] 2.0 Online and the latest updates. After a one-time installation, all ESI[tronic] updates are performed automatically. You can work as usual and the Diagnostics Download Manager will do the rest in the background.



Reliable hardware from Bosch

Bosch supplies modern technology to support all important interfaces in the workshop. The ESI[tronic] 2.0 Online software is used in conjunction with a diagnostic tester from the KTS series or from the DCU series.



Experience and competence

As an automotive supplier, Bosch is very familiar with the technical requirements of vehicles and has been offering comprehensive diagnostic software for workshops for over 25 years in the form of ESI[tronic] 2.0 Online.

ESI[tronic] 2.0 Online Overview

The diagnostic software offers everything needed for efficient and professional vehicle maintenance, diagnosis and repair. Workshops can license the modular software packages as needed. The software updates itself in the background with constantly expanding vehicle coverage – so it stays up to date.



Secure Diagnostic Access

The central, integrated, and standardized function provides fast, uncomplicated access to secure vehicle data from participating vehicle manufacturers.



Vehicle information

Important basic information for all of the vehicles covered, such as model series, rated power, engine designation, and type of drive, as well as installed systems and assigned information.



Diagnosis of control units

Diagnostics are the centerpiece, displaying installed systems and error codes stored in memory with km mileages in a summary, deleting error codes, displaying actual values and preparing them in a graphic format, activating actuators, resetting service intervals, running automated tests, calibrating sensors and systems, and teaching components.



Vehicle equipment catalog

Access to the complete Bosch automotive equipment catalog, including spare and exchange part numbers, service information and installation instructions.





Experience-based repair (EBR) / Known faults

Finding the correct solution in a few seconds, even with challenging errors. Experience-based repair (EBR) comprises summaries of recurrent faults across several vehicle models in easy-to-read data records. Whenever one of these known faults occurs during a diagnostics process, ESI[tronic] recommends one of those repair solutions to the technician that have already helped to solve the problem.



Handbooks and manuals

Step by step to the cause of a fault: Verified diagnostic and repair manuals and handbooks from Bosch and OEMs provide information backed up with component test instructions, installation position, removal and installation instructions, nominal values, circuit diagrams, functional descriptions, bus overviews, and helpful explanations about operating principles.



Bosch Connected Repair

Brings together the data from office and workshop devices. Customer and vehicle data, diagnostic results, test reports, and photographic documentation on mobile terminal devices can be created, sorted, and backed up.



Circuit diagrams for comfort systems

The comprehensive database contains all the circuit diagrams for important vehicle systems such as engine management, comfort and bus systems. It refers to the direct installation location and designation of each component, while also offering efficiency thanks to quick and easy-to-read overviews.



Maintenance schedules and information

Important information about repairing vehicles can be called up from several tabs. Among other things, these include information about service times, the parts needed, tire size and pressure, as well as centralized programming information. All tabs are provided with a direct link to diagnostics. Vehicle-specific workflows guarantee that every repair is carried out in accordance with the manufacturer's specifications and are therefore covered by the manufacturer warranty.



ESI[tronic] 2.0 Online packages

Overview

With its modular design, ESI[tronic] 2.0 Online ensures that you can move forward quickly anywhere in the diagnostic process and always find the right repair solution for your day-to-day business. ESI[tronic] 2.0 Online is available in three different basic packages. These are optimally tailored to the needs of large and small workshops.



The maintenance and repair of vehicles

	Diagnostics	Advanced
Vehicle information	✓	✓
Diagnosis of control units	✓	✓
Vehicle equipment catalog	✓	✓
Experience-based repair (EBR) / Known faults	✓	✓
Diesel spare parts catalog and manuals	—	—
Electrical spare parts and manuals	—	—
Handbooks and manuals	—	✓
Connected Repair	—	✓
Circuit diagrams for comfort systems	—	—
Maintenance schedules and information	—	—
Car Repair Hotline	optional	optional



Spare parts and component repair

Master
✓
✓
✓
✓
-
-

✓
✓

✓
✓

optional

Component Repair Diesel
✓
-
✓
-
✓
✓

Component Repair Electric
✓
-
✓
-
-
✓

This is where to find application videos



ESI[tronic] 2.0 Online Commercial vehicles and construction and agricultural machinery

The comprehensive diagnostic software is also available for commercial vehicles, trailers, vans, buses, agricultural machinery, construction vehicles and machinery, as well as engines.

ESI[tronic] 2.0 Online Truck package overview:



Vehicle information: Important basic information on commercial vehicles such as model series, performance, engine designation, and axle configuration form the basis for sound diagnostics in commercial vehicle workshops



Diagnostics: The software reads error codes and can clear them, selects actual values, activates actuators, resets service intervals, and teaches components



Circuit diagrams: Intuitive user guidance with dynamic component description ensures quick and easy use



Maintenance: Semi-annual and annual inspections with additional check points are available at any time



Technical data: Component information with setpoints, output voltage, characteristic curves, etc. support troubleshooting



Spare parts catalog: Access to the complete Bosch and ZF Services spare parts catalog, including service information and assembly instructions for the Sachs, Lemförder, Boge, and ZF Parts brands

ESI[tronic] 2.0 Online Off-Highway package (OHW) at a glance:



Strong basis: The structure of the diagnostic software is based on the user-friendly ESI[tronic] 2.0 Truck for commercial vehicles. This is supplemented with the ESI[tronic] 2.0 OHW 1 and OHW 2 licenses with content on agricultural machinery, construction machinery and engines. The breakdown into vehicle information, diagnostics, circuit diagrams, maintenance, technical data, as well as access to the spare parts catalog is also available in the diagnostic software ESI[tronic] 2.0 Off-Highway.



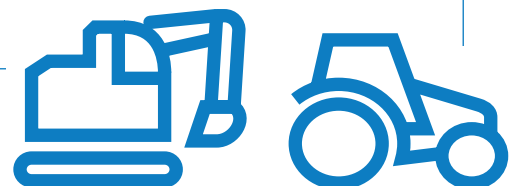
Additional information: For engines, info types OHW 1 and OHW 2 provide setting and parameterization functions as well as diagnostics of hydraulic systems. In addition, the diagnostic software provides technical information on the installation and removal of components.



Compatibility: ESI[tronic] 2.0 OHW works exclusively with all KTS Truck modules from the second generation (from April 2013). It can be used with a Bosch DCU 120, DCU 220 or any common laptop/PC.



Flexibility: ESI[tronic] 2.0 OHW is available in two versions. These can be licensed separately or used in combination as required.



The ESI[tronic] 2.0 OHW 1 and OHW 2 licenses can be used together with an ESI[tronic] 2.0 Online Truck license as well as independently.

Teamwork: ESI[tronic] 2.0 Online and the diagnostic devices from Bosch

Due to the ever-increasing number and complexity of vehicle systems, workshops must be able to draw on extensive knowledge. ESI[tronic] 2.0 Online and the diagnostic devices from Bosch work hand in hand to provide an optimally coordinated solution for the workshop.



KTS 560
Wireless diagnostic module with measurement technology (1-channel multimeter)



KTS 590
Wireless diagnostic module with measurement technology (2-channel multimeter and oscilloscope)



DCU 120
Mobile tablet PC with big screen



DCU 220
Flexible and powerful notebook and tablet PC in one

Diagnosesysteme

DCU 220 FSA 500
KTS 560

KTS 995 Premium diagnostic system with extended measurement technology: KTS 560 + DCU 220 + FSA 500

DCU 220 KTS 590

KTS 980
Diagnostic system with KTS 590 + DCU 220

DCU 220 KTS 560

KTS 960
Diagnostic system with KTS 560 + DCU 220

KTS 560 DCU 120

KTS 465
Basic diagnostic system with KTS 560 + DCU 120

Secure Diagnostic Access (SDA)

Diagnosis of protected vehicle electronics

With the integrated and standardized Secure Diagnostic Access solution, Bosch continues to provide centralized access to secure vehicle data through the ESI[tronic] 2.0 Online diagnostic software.



Restricted access to diagnostic functions

To protect the vehicle electronics of new vehicle models, the electronics are equipped with a Secure Diagnostic Access. Active diagnostic work, such as calibrating driver assistance systems, is usually then no longer possible. This presents workshops with technical and administrative challenges, because vehicle manufacturers sometimes rely on individual security solutions with different access requirements and payment concepts, for example.

Secure Diagnostic Access (SDA) as part of ESI[tronic] 2.0 Online

Bosch offers a solution for this: Secure Diagnostic Access (SDA). As part of the ESI[tronic] 2.0 Online diagnostic software, the central, integrated, and standardized function provides fast, uncomplicated access to secure vehicle data from participating vehicle manufacturers. Here, centralized access with the SingleKey ID is possible after one-time registration and partial online user identification at Bosch. The personal SingleKey ID can also be used for a variety of other Bosch applications in private and professional environments. To use Secure Diagnostic Access, it is also necessary to have a KTS 560, KTS 590, KTS 350, or KTS 250 (limited brand coverage) and a stable Internet connection.



For more information on Secure Diagnostic Access, watch the video.



Cost benefit



Simple solution



Time savings



Future Proof

Unrestricted access and trouble-free diagnosis

Secure Diagnostic Access enables unrestricted work on vehicles with protected vehicle electronics in the future. Access is available for various vehicle manufacturers and models and is continuously being expanded by Bosch.

Benefits at a glance

- Quick and easy access to protected vehicle diagnostic data via Secure Diagnostic Access
- Secure Diagnostic Access combines the various individual solutions of the participating vehicle manufacturers
- Securing the competitiveness of multi-brand workshops through cost-savings and time efficiency thanks to a new function

What drives you, drives us

Bosch technologies are used in most vehicles worldwide.
People, and assuring their mobility, is what we are focused on.

Therefore, we have dedicated over 130 years of pioneering spirit
and expertise in research and manufacturing to achieving this.

We provide the aftermarket and workshops worldwide with modern diagnostic and workshop
equipment and a wide range of spare parts for passenger cars and commercial vehicles:

- solutions for efficient vehicle repairs
- innovative workshop equipment and software
- one of the world's most comprehensive ranges of new and exchange parts
- large network of wholesale customers, for quick and reliable parts supply
- competent hotline support
- comprehensive educational and training offers
- targeted sales and marketing support

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