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SOLUTIONS

BOSCH
Invented for life

The new generation of vehicle diagnostic solutions
ESI[tronic], KTS and DCU from Bosch

Everything for your control unit diagnosis

The new generation of diagnostic testers from Bosch, such as the control unit diagnosis module KTS 560/590 and the KTS 350, support all current and future vehicle interface based on Ethernet. Proficient diagnostics are becoming increasingly important for workshops, so that professional repairs as well as maintenance are ensured and customer satisfaction can be at its highest.

You can also easily expand your services with the advanced diagnostics offered by Bosch. You benefit from numerous advantages which simplify the daily workshop routine. Additionally hotline and training from Bosch can provide help with diagnoses and repairs, even with complex systems. And with bigger challenges our experts can simply log into your computer via remote diagnostics.

6 professional solutions for every workshop professional

▶ **ESI[tronic] 2.0:** Diagnostic software for maintenance and repair with comprehensive vehicle coverage

▶ **KTS 560:** Convenient wireless solution with measuring equipment (1-channel multimeter)

▶ **KTS 590:** Convenient wireless solution with top measuring technology (2-channel multimeter with oscilloscope)

▶ **KTS 350:** Mobile all-round solution for comprehensive vehicle diagnostics

▶ **DCU 100:** Rugged tablet PC for use with ESI[tronic] 2.0

▶ **DCU 220:** Notebook and tablet PC combines the control of diagnostic systems

ESI[tronic] 2.0: Multifunctionality

Today one expects more than just control unit diagnostics from workshop software, no matter if it concerns passenger or commercial vehicles. Intelligent troubleshooting, support for rapid repair and maintenance according to the manufacturer's specifications are the new standard in the diagnostics segment. All these requirements are met with the ESI[tronic] 2.0. The efficient control unit diagnosis from Bosch guides you through the troubleshooting process step-by-step. All the necessary information on the vehicle regarding maintenance and service is provided instantly.

ESI[tronic] 2.0 includes the newest data on all standard vehicle types with regular patches is constantly being updated and stays up-to-date with regular updates.

The integrated solution, EBR – Experience Based Repair, allows quick access to known faults and offers at the same time repair solutions that have effective. Fast and reliable repairs are the basis for excellent results and high customer satisfaction.
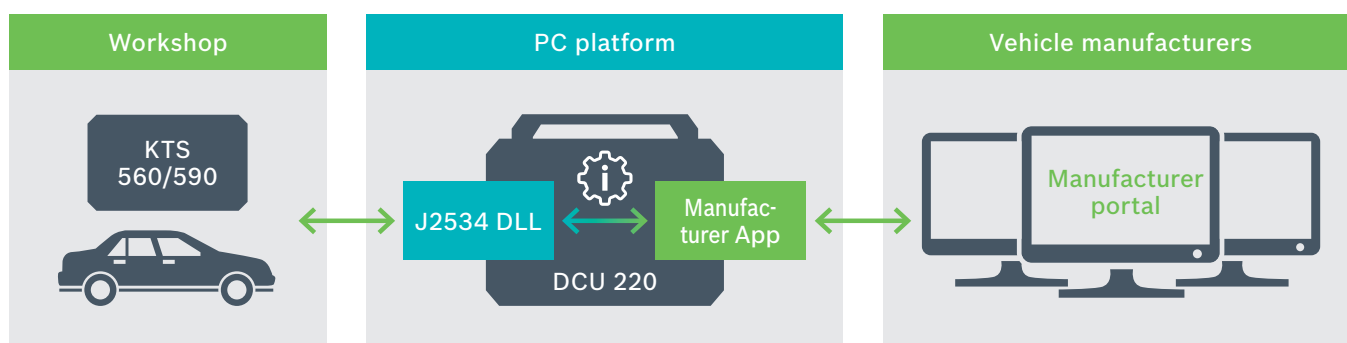

The benefits of ESI[tronic] 2.0 at a glance

▶ Control unit diagnostic with the latest data for cars, transporters, trucks and motorcycle systems

▶ Vehicle identification via KBA-key or VIN

▶ All necessary data for a quick and easy repair and maintenance according to manufacturer specifications

▶ Supports the Bosch workshop networking concept: Connected Workshop

▶ Regular online updates are downloaded in the background while the device is in use

▶ All necessary steps are always presented in an easy and understandable manner, also for service tasks

▶ Comprehensive database of the most common control devices in vehicles enables efficient analysis on the average in 20 seconds

3

Always up to date with Bosch: Control unit programming as per Euro 5/6

Since 2009, the Euro 5/6 Standard requires vehicle manufacturers to make their technical repair information on their online portals available to independent workshops and also enable the reprogramming of control units. Vehicle manufacturers must therefore provide both diagnostic, service, repair and maintenance information. The new KTS generation from Bosch is equipped with what is known as a PassThru interface which allows access and reprogramming of the online portals of vehicle manufacturers. Already 14 vehicle brands are supported by the new KTS generation using PassThru including Volkswagen, Mercedes-Benz and Land Rover among others. Bosch has considerable experience when

it comes to using this technology. Since 2009 our Bosch units have been PassThru capable – an experience that is proving itself now in every day workshop use, with the user friendly plug & play solution for diagnosis and Euro 5/6 PassThru. Bosch now offers the PassThruSolution 100 (PTS 100). An offer that will not only provide you with all the necessary soft- and hardware for PassThru use but also service for the installation and registration of OEM application from Audi, BMW, Mercedes-Benz and Volkswagen. Additionally our experts are always available should you ever need help for a certain application. Bosch sets standards not only with PassThru, but in the field of Ethernet. The future has already begun.

Workshop	PC platform	Vehicle manufacturers
KTS 560/590	J2534 DLL → Manufacturer App — DCU 220	Manufacturer portal

DoIP and Ethernet: Communication of the future

More and more vehicle manufacturers are using a new diagnostic interface based on Ethernet, also known as DoIP (Diagnostics over Internet Protocol). The advantage is up to 100 times faster data transfer compared to previous technologies which was mostly used for flashing the control unit. It is not unlikely that in the near future, more and more manufacturers will use Ethernet for regular vehicle diagnostics as well. Being prepared for this development, the new diagnostic tester from the KTS series from Bosch supports Ethernet as well as the conventional vehicle interfaces. This means you are ready for the requirements of tomorrow with an intelligent solution from today.

4

KTS 560 and 590: Most modern control unit diagnosis for the highest level of efficiency

The new, robust communication modules KTS 560 and KTS 590 are optimally suited for the use of the diagnostic software ESI[tronic] 2.0. Next to all common vehicle interfaces, future Ethernet based interfaces will also be supported.

It is also possible to operate several vehicles interfaces in parallel so vehicle manufacturer portals for diagnostics and reprogramming according to Euro 5/6 can be optimally operated. To ensure this also in the future, a parallel communication on various vehicle interfaces (incl. Ethernet) is a must for ambitious workshops. Just like the KTS 560 and KTS 590 which are already fully compatible.

In addition to vehicle communication, measurements of voltages, resistances or currents can be carried out easily and quickly. The KTS 590 also includes a 2-channel oscilloscope, which means that not only voltage and current waveforms can be shown, but can also be immediately evaluated. All signals in the vehicle that come from sensors and actuators can be measured by the KTS 560 and KTS 590.

The benefits of the KTS 560 and 590 at a glance

▶ Support of all current and future vehicle interfaces based on Ethernet, also in parallel operation of several BUS systems.

▶ More advanced PassThru interface for programming the control units on the portals of the vehicle manufacturer according to Euro 5/6

▶ Works on any Windows PC on which the Bosch diagnosis application ESI[tronic] 2.0 is installed and licensed

▶ Mobile and stable operation thanks to powerful Bluetooth interface

▶ Up to three CAN and K-Line interfaces can be used at the same time

▶ Wireless Bluetooth connection to the workshop PC allows increased coverage due to the mobile use throughout the workshop

▶ Rugged construction for long-term everyday workshop use

KTS 350: Advanced diagnostic technology – in one compact device

Each workshop wants a multifunctional tester which contains all the necessary "tools" for troubleshooting that makes everyday work easier and more efficient. The solution: The Bosch KTS 350.
In addition to all of today's standard vehicle interfaces, it even supports the new, Ethernet-based interfaces and is therefore perfectly prepared for the future demands of the automotive environment. With the help of a more powerful processor than its predecessor and in conjunction with the Windows 10 operating system, the program starts quickly and works faster. Additionally the KTS 350 comes with the Bosch diagnostic application ESI[tronic] 2.0, which is pre-installed on the device.

It is versatile and ideal as an all-in-one tester for independent workshops, Fast-Fitter or as a second device for mobile usage. The KTS 350 provides an efficient overall package for control unit diagnosis, maintenance, troubleshooting and repair.

The benefits of the KTS 350 at a glance

▶ Mobile all-round solution: control unit diagnosis, troubleshooting, repair and maintenance

▶ Support of all current and future vehicle interfaces based on Ethernet, in parallel operation of several BUS systems.

▶ PassThru interface for programming the control units on the portals of the vehicle manufacturer as per Euro 5/6

▶ Plug & play through the pre-installed and configured application ESI[tronic] 2.0 for optimal possible operations

▶ Quicker system start thanks to the improved processor and modern SSD technology

▶ Regular online updates available

▶ Windows 10 operating system allows easy installation of additional applications

DCU 100: Test equipment with a future

The DCU 100 is a portable, robust 10-inch tablet PC with touch screen which has been specially developed for workshop use. It controls the ESI[tronic] 2.0 testing and diagnosing system using the Bosch KTS series modules and is compatible with the Windows 10 operating system. The DCU 100 is ideally suited for professional workshop environments and is perfectly equipped for the challenges of tomorrow.

DCU 220: A new standard for test equipment

The DCU 220 is both a notebook and a tablet PC and allows flexible and comfortable work at all times – especially in the rough workshop environment. It controls the test and diagnostic systems of the Bosch KTS series, built in modern design. This powerful module is a milestone in terms of speed and it comes as no surprise that it is being called the premium diagnostic device amongst the DCUs by Bosch.

Benefits of the DCU 100 at a glance

▶ Pre-installed application ESI[tronic] 2.0 for optimum vehicle diagnostics

▶ Also available as a package with KTS 560

▶ 256 GB SSD storage system and Windows 10 provide a fast system start

▶ Windows operating system allows easy integration into existing workflows

▶ Integrated Bluetooth and Wi-Fi that for working on the go

Benefits of the DCU 220 at a glance

▶ Easy switching between tablet and notebook operation

▶ A powerful Intel Core i5-4200U processor and 256 GB SSD system memory enable rapid workflow

▶ Also available for a package price with the KTS 560/590, FSA 500 and KTS Truck

▶ Windows operating system allows easy integration into existing workflows

▶ Uses two lithium-ion batteries for long lasting operation

Driven by efficiency

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

Therefore, we have dedicated the last 125 years of pioneering spirit
and expertise in research and manufacturing to achieving this.

We continue to work on our unique combination of solutions for
spare parts, diagnostic devices, workshop equipment and services:

▶ Solutions for efficient vehicle repairs

▶ Innovative workshop equipment and software

▶ The world's most comprehensive range of new and replacement 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

Find out more at:
bosch-automotive-aftermarket.com

**What drives you
drives us.**

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