



BOSCH

Invented for life

Future driven

DIAGNOSTICS

KTS 560 / KTS 590

ECU diagnosis
using ESI[tronic] 2.0





Can your **current** diagnostic tool do this?

- ▶ Support all of today's relevant diagnostic protocols
- ▶ Work with any Windows-based PC that has a licensed version of the Bosch diagnostic software ESI[tronic] 2.0 installed*
- ▶ Simultaneous parallel CAN channel communication
- ▶ Enable PassThru by working with OEM software
- ▶ Work with Diagnostics over Internet Protocol (DoIP)
- ▶ Measure voltage, resistance and current easily and efficiently**
- ▶ Provide a state-of-the-art multimeter and an isolated two-channel oscilloscope
- ▶ Measure signals from sensors and actuators directly and via serial diagnosis
- ▶ Provide a robust design with high resistance to dust and water (IP53)
- ▶ Provide USB 2.0 and Bluetooth® connections

*Windows 7 and above is recommended ** Amp clamp sold separately

Technical data

Operating voltage: 8V DC - 28V DC

Connection to PC: USB 2.0, Bluetooth® Class 1

IP53 rated protection against dust and water

Multimeter bandwidth: 100 kHz

Oscilloscope sampling rate: 20 MS/s

Vehicle protocols:

ISO 15031, ISO 22900, SAE J2534-1 and -2 (PassThru), ISO 9141-2 (K and L), SAE J1850 VPW and PWM, CAN High Speed ISO 11898, ISO 15765-4 (OBD), CAN Single Wire, CAN Low Speed, ISO 13400 (Diagnostics over IP), and other vehicle-specific protocols

For more information, please visit:

www.bosch-workshopworld.co.uk

Diagnostics have **changed**, have you?

Diagnostics are evolving as vehicles become more electronically complex. Therefore a solution is required that is developing at the same rate as these new technologies to successfully diagnose, troubleshoot and repair faults.

The new generation KTS 560 and KTS 590 satisfies these new technologies with a number of technical features that are only currently available on OEM diagnostic tools. These include:

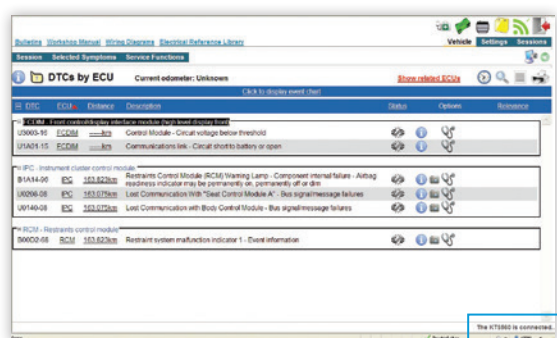
Parallel Channel Communication

One of the major changes in the architecture of the new generation KTS is the ability to use parallel channels to communicate with the vehicle, allowing communication to more than one CAN system simultaneously, speeding up programming and diagnosis. OEMs, such as Ford, Jaguar Land Rover, BMW and many others, are already using this type of communication.

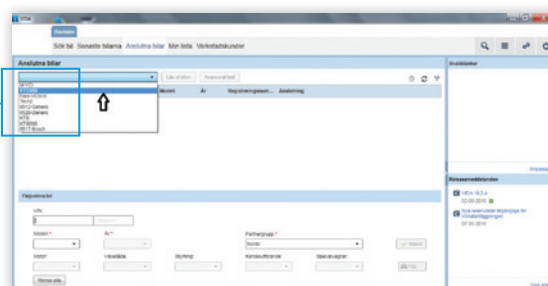
PassThru – Euro 5/6

As a solution to avoid purchasing multiple OEM diagnostic devices, the new generation KTS 560 and KTS 590 can use PassThru to communicate with the vehicle in the same way as many OEM diagnostic tools. The new generation KTS has been proven to work with these brands:

- ▶ Jaguar Land Rover
- ▶ VAG
- ▶ Mercedes-Benz
- ▶ BMW
- ▶ Volvo
- ▶ Vauxhall
- ▶ Others (verification ongoing)



The KTS560 is connected.



M-VCI
KTS560
Ford-VCMI
Tech2
6512-Generic
6520-Generic
KTS
KTS590
6517-Bosch

Bosch KTS already appears in many OEM portals

Diagnostics over Internet Protocol (DoIP)

Diagnostics over Internet Protocol (DoIP) provides communication to the vehicle at variable speeds up to 200 times faster than high speed CAN bus systems. The KTS 560 and KTS 590 are the first products in the independent aftermarket that have DoIP capabilities ensuring that communication to vehicles is possible as OEMs develop this technology in the future. The ability to communicate at variable speeds using IP baud rate (speed of data transfer) gives the new generation KTS the advantage of being able to process the data using new protocols which has previously not been possible.

Still **searching** the internet for your diagnostic problems?

Complexity is the driver to searching online for solutions to diagnostic problems. Sometimes these are not verified or incomplete which wastes time and money and can result in the loss of customers. With ESI[tronic] 2.0, all of these answers are contained in one place.

What does ESI[tronic] 2.0 do?

When used with the new generation KTS, ESI[tronic] 2.0's capabilities are enhanced and provide a complete diagnostic solution. This includes all the features of a traditional scan tool plus:

- ▶ Guided troubleshooting
- ▶ Detailed component location
- ▶ Comprehensive component test plans
- ▶ Interactive wiring diagrams
- ▶ Body circuit diagrams
- ▶ Technical service bulletins
- ▶ Service and maintenance information
- ▶ Service diagrams

It is also possible to save and print a report of the work that has been done on a vehicle so that it can be presented to the customer.

Continuous Improvement

To keep ESI[tronic] 2.0 content up to date, Bosch's 350 development engineers across the world work to include new diagnostic coverage and vehicle information as it becomes available. Online software updates continuously expand the ESI[tronic] 2.0 content and provide solutions for the workshop.



ESI[tronic] 2.0 Subscriptions

Any current subscriber to ESI[tronic] 2.0 will not have to purchase a second licence if they upgrade their hardware to a new generation KTS 560 or KTS 590.

For new subscribers the standard diagnostic package can be enhanced with additional packages ranging from a basic parts catalogue, troubleshooting instructions, wiring diagrams and technical service bulletins.



Who's doing **your** diagnostic work... ?

Order a solution

Order number

KTS 560: 0 684 400 560

KTS 590: 0 684 400 590

Scope of delivery includes diagnostic device and the following accessories:

- ▶ OBD connection cable (1.5 m)
- ▶ Power supply unit
- ▶ Test lead/probe set
- ▶ USB connecting cable (3 m)
- ▶ Trolley mounting parts set
- ▶ Bluetooth® USB adaptor
- ▶ Storage case
- ▶ Optional extra: Amp clamp

(Subject to ESI[tronic] 2.0 software subscription)



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:
www.bosch-workshopworld.co.uk

**What drives you
drives us.**

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