

Invented for life



**BOSCH**

# Modular Diagnostic Solutions for Fast Repairs

ECU Diagnosis for Commercial Vehicles and Off-Highway



# The right diagnostic device for every workshop

The modular Bosch diagnostic test devices for commercial vehicles and off-highway machinery allow workshops to put their customers back on the road quickly. With the easy to upgrade entry-level solution KTS Truck or the future-proof all-in-one solution KTS 900 Truck, workshops can perform diagnostic and maintenance tasks on nearly all common electronic systems. The ESI[tronic] Evolution software with the packages Truck, agricultural vehicles (OHV 1), construction vehicles and engines (OHV 2) and material handling (OHV 3) provides the necessary functions and information.



Thanks to Bosch KTS Truck, ESI[tronic] Evolution and vehicle-specific adapters, workshops benefit from nearly unlimited flexibility and a reliable diagnostic solution for any type of commercial vehicle.



## ESI[tronic] Evolution

Packages Truck, Agricultural vehicles,  
Construction vehicles and engines  
Comprehensive diagnostic software for  
commercial vehicles, trailers and busses  
as well as agricultural vehicles,  
construction vehicles, engines and  
material handling.

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## KTS Truck

Modular diagnostic unit for getting  
started with Bosch commercial vehicle  
system diagnostics (in conjunction with  
the DCU 120, DCU 220 or any standard  
laptop/PC)

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## KTS 900 Truck

The comprehensive solution for  
commercial vehicle diagnosis,  
consisting of KTS Truck and DCU 220

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# ESI[tronic] Evolution Packages

## Maintenance and Repair

With its modular design, ESI[tronic] Evolution 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] Evolution is available in four different basic packages. These are optimally tailored to the needs of large and small workshops.



### The maintenance and repair of commercial and off-highway vehicles

	ESI[tronic] Truck	ESI[tronic] OHW 1	ESI[tronic] OHW 2	ESI[tronic] OHW 3
Vehicle information	✓	✓	✓	✓
Diagnosis of control units	✓	✓	✓	✓
Vehicle equipment catalogue	✓	✓	✓	✓
Manuals for repair and installation & removal instructions	✓	✓	✓	✓
Circuit diagrams	✓	✓	✓	✓
Maintenance schedules and service information	✓	✓	✓	✓
Knorr-Bremse Diagnostics Add-On	optional	—	—	—
Truck Repair Hotline	optional	optional	optional	optional



### 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.



### Knorr-Bremse Diagnostics Add-On

The add-on provides access to the Knorr-Bremse systems. This ensures comprehensive diagnostics for truck vehicles.



### Handbooks and manuals

Verified diagnostic and repair manuals and handbooks from Bosch 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.



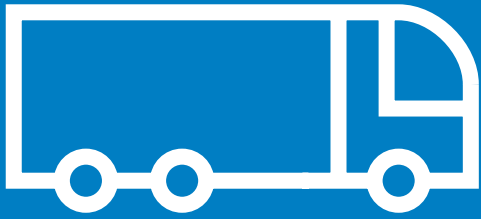
### Circuit diagrams for comfort systems

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. 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] Evolution for trucks, transporters, trailers and buses:

### Vehicle information

The software includes important basic information on commercial vehicles, e.g. model series, output, engine designation and axle configuration, thereby forming the basis for in-depth diagnosis at the commercial vehicle workshop

### Diagnosis

The software reads out diagnostic trouble codes, providing an option to delete them, and it selects actual values, enables actuators, resets service intervals and teaches in components

### Diagrams

The intuitive user guidance with dynamic component description makes the system quick and easy to use

### Maintenance

Semi-annual and annual inspections with additional check points can be accessed at any time

### Technical data

Component details with default values, output voltages, characteristic curves, etc. assist in troubleshooting

### Parts catalog

Access to the full parts catalog of Bosch and ZF Services, including service information and assembly instructions for the brands Sachs, Lemförder, Boge and ZF Parts

### Knorr-Bremse Diagnostics Add-On

Access to the latest systems from Knorr-Bremse and manufacturer-specific information for comprehensive diagnostics

# ESI[tronic] Evolution Package Truck:

The intelligent diagnostic software ESI[tronic] Evolution with package Truck from Bosch supports workshops in reliable diagnosis, complete maintenance and efficient repair of all common light and heavy commercial vehicles, trailers, transporters and buses in Europe, Asia and North and South America. In addition to the ECU diagnosis, the software also contains technical information such as wiring diagrams, service and repair instructions as well as system information for a wide range of vehicles. The Truck package can optionally be extended with the Knorr-Bremse Diagnostics Add-On.



# ESI[tronic] Evolution Packages Off-Highway:

The diagnostic software ESI[tronic] Evolution with the packages for agricultural vehicles (OHW 1) as well construction vehicles and engines (OHW 2) as well as material handling (OHW 3) from Bosch provides workshops with information about the diagnosis, maintenance and repair of vehicles and forklift trucks, telescopic platforms and loaders used in agriculture, as well as construction vehicles and engines. Licenses can be used in conjunction with a Truck license but may also be used independently.



## ESI[tronic] Evolution for Agricultural machines as well as Construction machines and engines:

### **Strong base**

The structure of the diagnostic software is based on the user-friendly ESI[tronic] Evolution. This system is enhanced by the packages OHW 1, OHW 2 and OHW 3 which add content specific to agricultural machinery, construction machines and engines as well as material handling. The structure in vehicle information, diagnostics, diagrams, maintenance, technical data as well as access to the parts catalog is also available in the diagnostic software ESI[tronic] Evolution for Off-Highway vehicles.

### **Additional information**

For engines, the packages OHW 1, OHW 2 and OHW 3 provide setting and parameterization functions as well as diagnosis of hydraulic systems. In addition, the diagnostic software offers technical details about the installation and removal of components.

### **Compatibility**

ESI[tronic] Evolution for Off-Highway vehicles works only with KTS Truck modules from the second generation. It can be used with a Bosch DCU 220 or any other common laptop or PC.

### **Flexibility**

ESI[tronic] Evolution OHW comes in two versions. These can be licensed separately or in combination as needed.



# KTS Truck – Versatile diagnostic solution for commercial and off-highway vehicles

KTS Truck from Bosch, a modular diagnostic device for commercial vehicles, connects to the DCU 120, DCU 220 or a PC via USB or Bluetooth. With the ESI[tronic] Evolution packages Truck, OHW 1, OHW 2 and/or OHW 3, it offers extensive diagnostic options and supports workshops in repair, maintenance and service. The new generation of the KTS Truck improves performance thanks to a powerful microcontroller. Developed for current and future models, the extended protocol coverage and the modernized universal cable with 4-PIN connector increase efficiency through faster diagnostic start. Additional adapters and PassThru technology allow access to manufacturer data for updates.



**Order number**  
**0 684 400 534**

## KTS Truck

- KTS Truck module for light and heavy commercial vehicles, trailers, transporters and buses as well as agricultural and construction machinery and engines as well as material handling
- Clear communication via multiplexer and cable adapter identification: K- and L-Line, SAE and CAN switchable to any terminal of the OBD connector
- Integrated long-range Bluetooth module for high flexibility in the workshop
- Bluetooth USB adapter for the connection to the Bosch DCU 220 or a computer
- Rugged housing suitable for workshop use
- Supports Pass-Thru Technology
- Compatible with Bosch Connected Repair



# KTS 900 Truck – the comprehensive solution for commercial vehicle diagnostics

The mobile comprehensive solution Bosch KTS 900 Truck comprises the universal KTS Truck module and the flexible Diagnostic Control Unit DCU 220 as well as the diagnostic software ESI[tronic] Evolution with the packages Truck, OHW 1, OHW 2 and OHW 3, which are available separately. With this equipment, workshops are set up to effectively diagnose light and heavy commercial vehicles, buses as well as agricultural and construction machinery and engines.

The rugged Convertible-PC DCU 220 is a notebook and tablet in one and can be used flexibly and anywhere. Thanks to its easy handling, the rugged housing with an 11.6" touchscreen, an integrated camera and its long runtime ensured by two lithium ion batteries, the DCU 220 makes workshops future-proof for control unit diagnosis. Bosch Connected Repair allows this diagnostic solution to be connected to further diagnostic devices to speed up workshop procedures.



**Order number**  
**SP09 000 045**

## KTS 900 Truck

- Mobility through integrated powerful radio technology
- The adapter concept “Easy Connect” with its approx. 90 vehicle-specific adapters and three cable sets (available separately) simplifies the connection to different brands and models and saves time
- DCU 220 with rugged housing and 11.6" touchscreen for easy and intuitive operation
- Highly flexible thanks to dual use as tablet or computer
- Handy: an integrated camera for the documentation of vehicle details and recording of necessary spare parts
- Supports Pass-Thru Technology
- Compatible with Bosch Connected Repair

# Easy Connect – adapters matching the different commercial vehicles

“Easy Connect” significantly simplifies the connection of the KTS Truck diagnostic module to the vehicle. KTS Truck can be directly connected to the OBD socket via “Easy Connect”. Thanks to vehicle-specific adapter lines, the device can be connected to vehicles without an OBD socket just as easily. The adapters are

non-interchangeable to enhance efficiency. Adapters are developed further in accordance with the vehicles covered by the diagnostic software. Thanks to the modular “Easy Connect” concept, workshops are set up for the future.

## Case with vehicle-specific adapters (for Trucks)

for easy, fast and non-interchangeable connections.



**Order number**

**Cable set case for trucks**  
1 687 001 944



**Order number**

**Cable set for trailers**  
1 687 001 945



**Order number**

**Cable set for buses**  
1 687 001 946



On more than  
**110,000**

electronic commercial vehicle  
and off-highway systems, Bosch  
facilitates the maintenance  
and repair

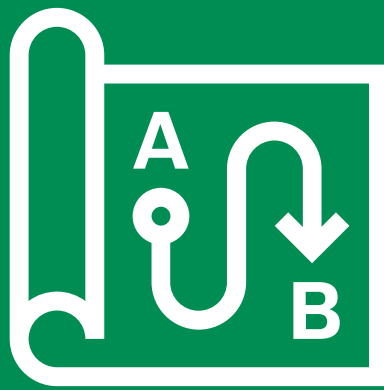


More than

**90**



vehicle-specific adapters for  
about 450 vehicle brands are  
available for KTS Truck



More than

**60,000**

diagrams provided in ESI[tronic] Evolution with  
packages Truck, Agricultural machines, Construction  
machines and engines as well as material handling  
support the workshops in their repair work



More than

**900,000**

diagnostic trouble codes are covered by the  
ESI[tronic] Evolution by diagnostic software  
and the packages for commercial vehicles

# 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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