

New!



Alltrucks diagnostics package

An exclusive for premium commercial vehicle workshops



BOSCH

Invented for life

Alltrucks diagnostics package

Competitive advantages that pay off

Alltrucks diagnostics package are designed and developed specifically for Alltrucks workshops.

The exclusive Alltrucks diagnostics package at a glance

Alltrucks GmbH & Co is the joint venture of the three leading suppliers of the automotive and commercial vehicle sector, Bosch, Knorr-Bremse and ZF. This combination of expert diagnostic knowledge has been used to create a market leading diagnostic package. Bosch is contributing its know-how in the area of multibrand diagnostics and workshop equipment, while Knorr-Bremse and ZF are adding their know-how for diagnosis and maintenance of their systems on the basis of OEM quality.

In essence terms this means one diagnostic system instead of three separate ones for Alltrucks workshops. As the diagnostics interface, the diagnostic system, comprising hardware and software, uses KTS Truck, which is already commonly encountered in the market. The combined diagnostics software consists of:

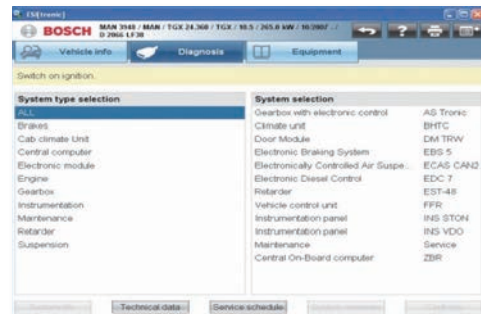
- ▶ ESI[tronic] Truck from Bosch
- ▶ NEO|orange from Knorr-Bremse
- ▶ ZF-TESTMAN from ZF

The user switches between the diagnostic software at the “Alltrucks StartCenter”.

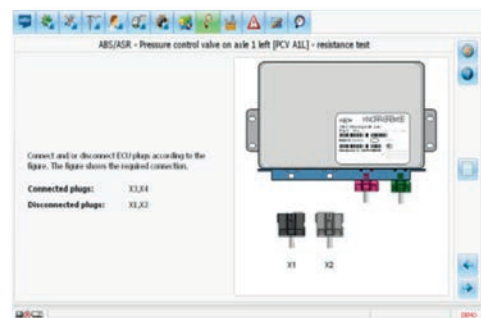
The benefits for the Alltrucks workshop are obvious:

- ▶ Instead of three individual diagnostic interfaces, only one is used: KTS Truck
- ▶ The workshop has integrated diagnostics software at its fingertips

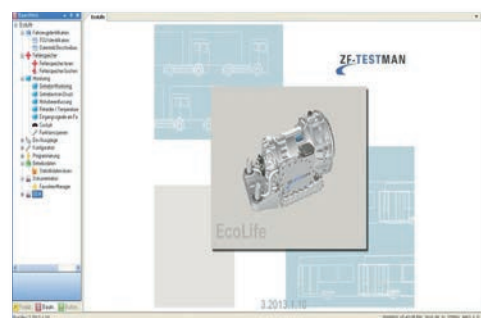
As part of the full-service offer from Alltrucks, hotline and training is offered. The hotline and technical training are supported by employees from the three founding companies.



ESI[tronic] 2.0



NEO|orange



ZF-TESTMAN

Three leading companies, three strong diagnostic products

ESI[tronic] 2.0



KTS Truck

The ideal solution for commercial vehicles

KTS Truck is the ideal diagnostics solution for commercial vehicle workshops.

Optimized and mobile diagnostic solution

- ▶ KTS Truck module for trucks, vans, trailers and buses
- ▶ Can be connected to DCU 220, PC or laptop
- ▶ KTS Truck can be connected to all commonly used laptops/PCs through the USB interface
- ▶ Integrated Bluetooth connectivity with a long range of up to 100m
- ▶ Bluetooth USB adapter included in delivery
- ▶ Robust housing

Expanded testing and diagnostic capabilities

In addition to KTS Truck, the FSA 500 vehicle system analysis and MMD 302 digital multimeter are available to provide further capabilities for testing and diagnosing the electrical and electronic systems of commercial vehicles.

The handheld FSA 500 is a battery-operated measuring module that connects wirelessly to the PC system. Designed for fast, mobile use in the workshop. Pre-selected component tests and a signal generator for simulation of sensor signals as well as practical equipment details make it a reliable investment in the future.

The MMD 302 is ideal for all measurements commonly made on electrical and electronic systems, especially in conjunction with the voltage and resistance measurements performed with NEO|orange.



Mobile diagnostic solution: KTS Truck

KTS Truck



Modular solution
Item number 0 684 400 516



Expansion kit pressure measuring unit
Item number 1 687 010 396



FSA 500
Item number 0 684 010 512



MMD 302
Item number 0 684 500 302



Continuously in use – How the fleet pays for itself. Powerful vehicles need strong partners like you: The workshop that professionally maintains and repairs trucks and vans. With full service from Bosch, you give your business with commercial clients additional momentum through service as well as replacement parts and accessories from Bosch. **All with Bosch OEM quality.**

Efficient fault analysis and localization save time and provide security

When used in conjunction with the PSS 300 pressure measuring unit and measuring box, NEO|orange provides expanded diagnostic capabilities for pneumatic brake systems in the workshop.



Pressure measuring unit for NEO|orange
Item number 0 681 443 027

Pressure measuring unit

Up to eight pressure sensors can be connected to the PSS 300 pneumatic pressure measuring system. Prior to each use, the measuring system is calibrated together with the sensors. Acquisition and evaluation of the measured data takes place automatically during diagnosis – this saves time and makes reading errors a thing of the past. The measured pressure data are recorded and can be saved individually.

The system can be used as a part of guided diagnosis and as a standalone pressure measuring system.



Measuring box
Item number 1 684 463 881

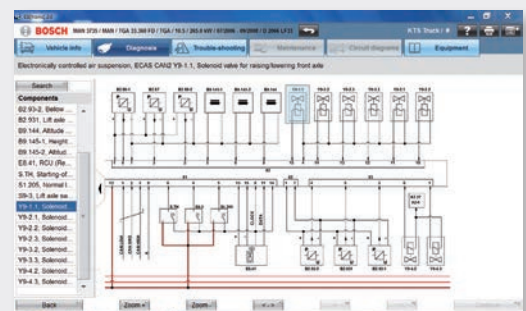
Electrical measurement

The measuring box is used for electrical measurements and can be connected to system components by means of adapter cables.

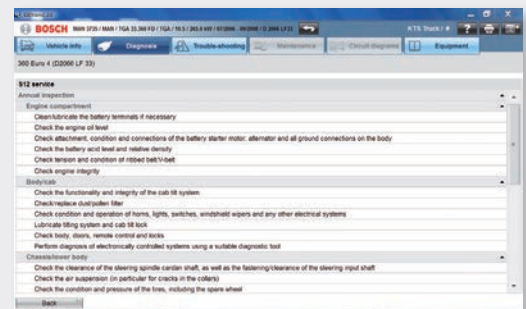
Measuring points and measuring pins are specified by the diagnostics and displayed graphically; the time-consuming search for wiring diagrams is eliminated. Measurements are conducted under operating conditions in the integrated system, yielding in this way realistic measurement results.

With the aid of a multimeter, the user manually measures and enters electrical data, which are then evaluated automatically and recorded by the diagnostics.

ESI[tronic] 2.0



Circuit diagrams



Maintenance



Spare parts catalog



Installation instructions

Diagnostics

Important functions for the commercial vehicle workshop are also included: reading and deleting error codes, selecting actual values, operating actuators, resetting service intervals and adapting components.

Specification

Assistance during troubleshooting: component information with specified values, output voltage, characteristic curves, etc.

Circuit diagrams

Fast and easy use through intuitive operation with dynamic component description.

Maintenance

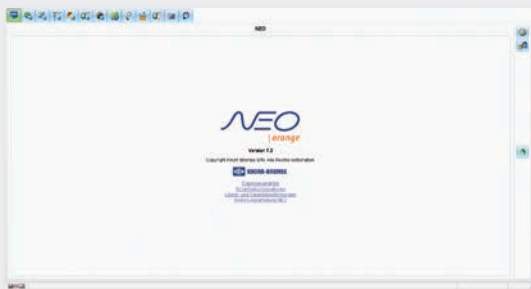
Semi-annual and annual inspections with additional check points can be accessed at any time.

Spare parts catalog

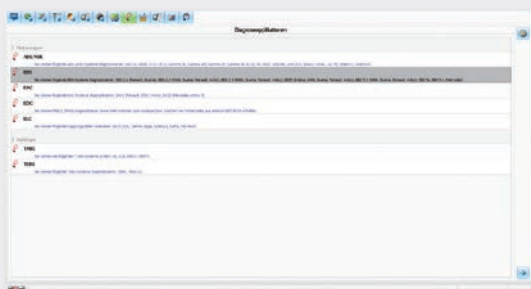
Always at your fingertips – The complete spare parts catalogs from Bosch and ZF Services:

- ▶ Suspension
- ▶ Shock absorbers
- ▶ Steering
- ▶ Clutch

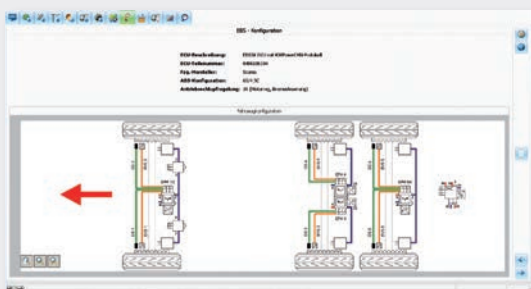
NEO|orange: Expert diagnostics for brake systems from Knorr-Bremse



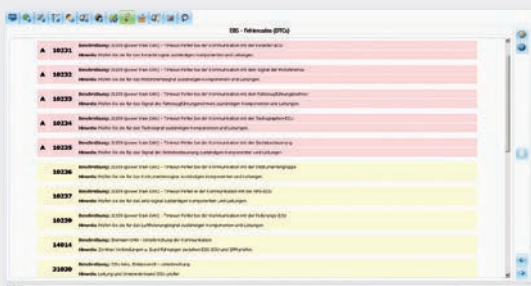
Extensive diagnostics and additional functions



System selection



Configuration



Fault code



Diagnostics and more – User-guided diagnostics and system analysis with NEO|orange

The increasing complexity of the systems in commercial vehicles requires specific expert knowledge. NEO|orange helps the workshop find the causes of faults through system analysis, during which the interaction of electronic, mechatronic and strictly pneumatic components are taken into account.

Extensive diagnostics and additional functions

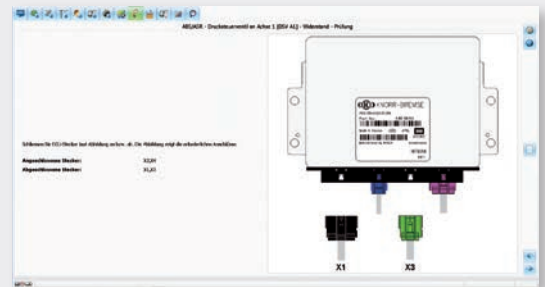
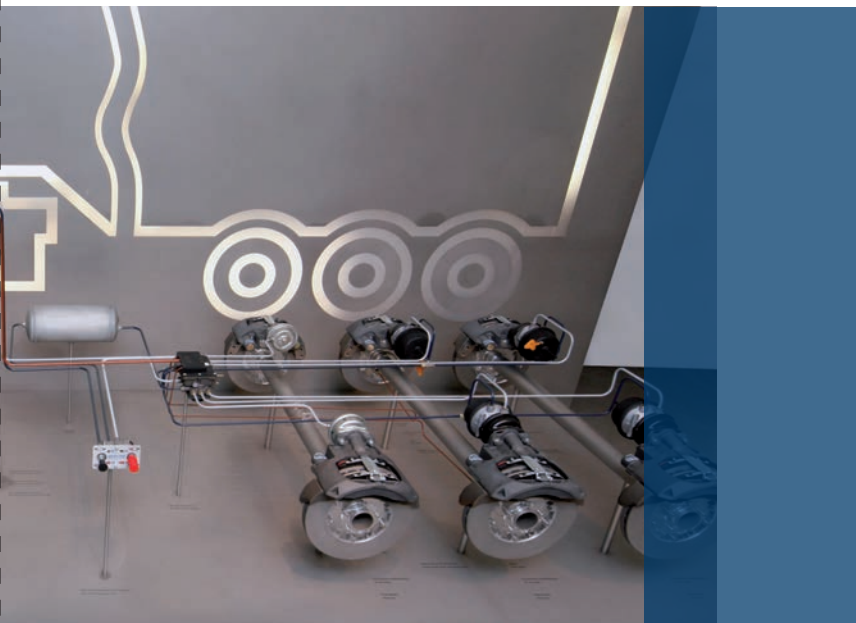
Within the Alltrucks diagnostics software, NEO|orange provides valuable know-how for the electronically controlled systems from Knorr-Bremse, e.g. EBS Truck/Trailer, ABS Truck/Trailer or electronic air treatment. In addition to extensive diagnostic functions, pressure measurements, service instructions, system and component information as well as troubleshooting instructions for conventional systems are available.

System selection and configuration

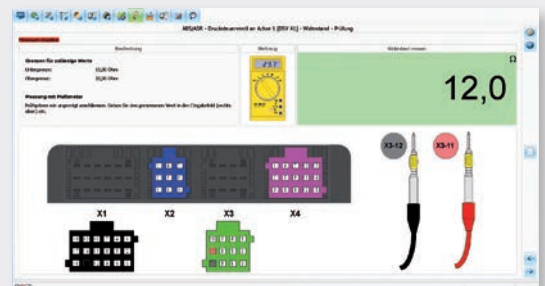
NEO|orange provides guided diagnosis and assistance in the unambiguous and largely automatic identification of almost all electronic systems from Knorr-Bremse and their configuration regardless of the vehicle manufacturer.

Fault code

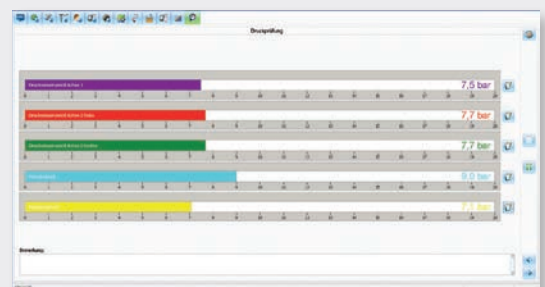
NEO|orange displays the fault codes in “plain text” and as active and/or inactive. The extent of assistance during fault localization is selected by the user.



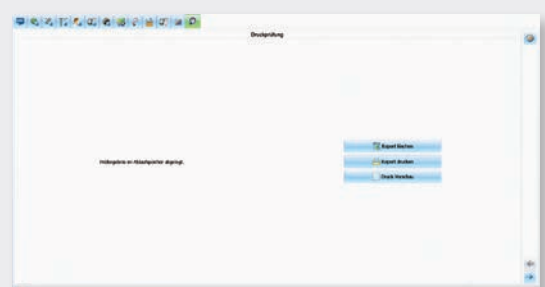
Diagnosis, instructions



Fault localization, measuring instructions



Fault localization, pressure measurement display



Diagnostic report, management

Diagnostic instructions

Guided diagnostics makes NEO|orange easy to use. The user is guided through the diagnostics and measurements with clear instructions and graphical support.

Fault localization, measuring instructions, pressure measurement display

The procedures for troubleshooting have been prepared on the basis of technical and economic considerations with quality assurance in mind. Detailed instructions for any necessary measurements simplify fault localization. Measurement results are evaluated automatically. Extensive additional information and instructions for maintenance and repair help to rectify the fault.

Diagnostic reports

The entire diagnostic process is recorded automatically with detailed documentation of the data diagnosed and measured. Depending on the system, measurement results are displayed in the report with measuring point, measurement result and the associated specified value. The test reports can be saved, deleted and printed.

“Easy Connect” adapter concept for KTS Truck



Volvo
1 684 463 770



Iveco 3-pin
1 684 463 771



MB 14-pin
1 684 463 772



Renault VI
1 684 463 773



Iveco
1 684 463 774



MAN TG (round plug)
1 684 463 775



DAF & Scania
1 684 463 776



MAN Series 2000
1 684 463 777



ABS module 1
1 684 463 778



ABS module 2
1 684 463 779



Wabco/Knorr ABS/EBS
1 684 463 780



EB+
1 684 463 781



ISO 7638
1 684 463 782



ABS Volvo Bus
1 684 463 783



ECS Volvo Bus
1 684 463 784



ZF
1 684 463 785



Iveco Daily
1 684 463 786



VW LT/T4
1 684 463 787



Citroën/Peugeot Boxer
1 684 463 788



Scania
1 684 463 793



US protocol, 6-pin
1 684 463 789



US protocol, 9-pin
1 684 463 790



Cable set for trailers
1 687 001 945



Cable set for buses
1 687 001 946



Cable set for vans
1 687 001 947

The “Easy Connect” adapter concept makes connecting KTS Truck to the vehicle extremely simple:

- ▶ Simply attach the vehicle-specific adapter. Ready to diagnose control units.
- ▶ 20 adapters for trucks and vans
- ▶ 2 adapters for US vehicles
- ▶ 4 cable sets for trailers, buses, trucks and vans

Adapter cables

Data and facts

Special accessories	Item number	KTS Truck
Adapter cable		
Volvo adapter cable	1 684 463 770	●
Iveco adapter cable (models with year of manufacture before 1993), 3-pin	1 684 463 771	●
MB adapter cable, 14-pin	1 684 463 772	●
Renault VI adapter cable	1 684 463 773	●
Iveco adapter cable (models with year of manufacture after 1996)	1 684 463 774	●
MAN TG adapter cable (round plug)	1 684 463 775	●
DAF & Scania adapter cable	1 684 463 776	●
MAN Series 2000 adapter cable	1 684 463 777	●
ABS module 1 adapter cable	1 684 463 778	●
ABS module 2 adapter cable	1 684 463 779	●
Wabco/Knorr adapter cable Trailer ABS/EBS	1 684 463 780	●
EB+ adapter cable	1 684 463 781	●
ISO 7638 adapter cable	1 684 463 782	●
Volvo bus ABS adapter cable	1 684 463 783	●
Volvo bus ECS adapter cable	1 684 463 784	●
ZF adapter cable	1 684 463 785	●
Iveco Daily adapter cable	1 684 463 786	●
VW LT/T4 adapter cable	1 684 463 787	●
Citroën/Peugeot Boxer adapter cable	1 684 463 788	●
Scania adapter cable (models with year of manufacture before 2004)	1 684 463 793	●
US adapter		
US protocol adapter cable, 6-pin	1 684 463 789	●
US protocol adapter cable, 9-pin	1 684 463 790	●
Cable sets		
Cable set for trucks	1 687 001 944	●
Cable set for trailers	1 687 001 945	●
Cable set for buses	1 687 001 946	●
Cable set for vans	1 687 001 947	●

The advantages for the workshop are convincing:

- ▶ Only one direct connection cable
- ▶ Fewer plug-in connections
- ▶ Easy, fast and interchange-proof Adaptation on the vehicle
- ▶ Simplified and intelligent multiplexer control
- ▶ Software-controlled selection of the communication pins

Case with vehicle-specific adaptations

for easy, fast and interchange-proof connections.

Cable set case for trucks

Item number 1 687 001 944



Adapter cables

for NEO |orange and ZF-TESTMAN



EBS 5.x 1-channel
1 684 463 872



EBS 5.x 2-channel
1 684 463 873



EBS 5.x 1-channel-MAN
1 684 463 874



EBS 5.x 2-channel-MAN
1 684 463 875



EBS 2 1-channel
1 684 463 876



EBS 2 1-channel-Volvo
1 684 463 877



EBS 2 2-channel
1 684 463 878



EBS 2 2-channel-Volvo
1 684 463 879



EBS 5.1-MB Actros
1 684 463 880



EAC 1
1 684 463 882



EAC 2
1 684 463 883



Data mirroring EBS 5
1 684 463 884



ABS 6 cab
1 684 463 885



ABS 6 chassis
1 684 463 886



Measuring box
1 684 463 881



ZF 9-pin with CAN
1 684 463 891



ZF Ecolife driving switch
1 684 463 892



ZF diagnostic cables,
new Generation
1 684 463 893



Intermediate adapter
NEO|orange for
KTS Truck
1 684 463 871

Adapter cables

Data and facts

Special accessories	Item number	KTS Truck
NEO orange adapter cable		
Adapter cable for EBS 5.x 1-channel	1 684 463 872	•
Adapter cable for EBS 5.x 2-channel	1 684 463 873	•
Adapter cable for EBS 5.x 1-channel – MAN	1 684 463 874	•
Adapter cable for EBS 5.x 2-channel – MAN	1 684 463 875	•
Adapter cable for EBS 2 1-channel	1 684 463 876	•
Adapter cable for EBS 2 1-channel – Volvo	1 684 463 877	•
Adapter cable for EBS 2 2-channel	1 684 463 878	•
Adapter cable for EBS 2 2-channel – Volvo	1 684 463 879	•
Adapter cable for EBS 5.1 – MB Actros	1 684 463 880	•
Adapter cable for EAC 1	1 684 463 882	•
Adapter cable for EAC 2	1 684 463 883	•
Adapter cable for data mirroring EBS 5	1 684 463 884	•
Adapter cable for ABS 6 cab	1 684 463 885	•
Adapter cable for ABS 6 chassis	1 684 463 886	•
Measuring box		
Measuring box for adapter cables	1 684 463 881	•
Adapter cable for ZF-TESTMAN		
Adapter cable for ZF 9-pin with CAN	1 684 463 891	•
Adapter cable for ZF Ecolife driving switch	1 684 463 892	•
ZF diagnostic cables for new generation	1 684 463 893	•
Intermediate adapter		
Intermediate adapter NEO orange for KTS Truck	1 684 463 871	•



Expansion kit for pressure measuring unit
from 4 to 8 channels

Expansion kit
Item number 1 687 010 396

What drives you, drives us.

Technology from Bosch is used in practically every vehicle in the world. For us, the focus is on people and helping them to stay mobile.

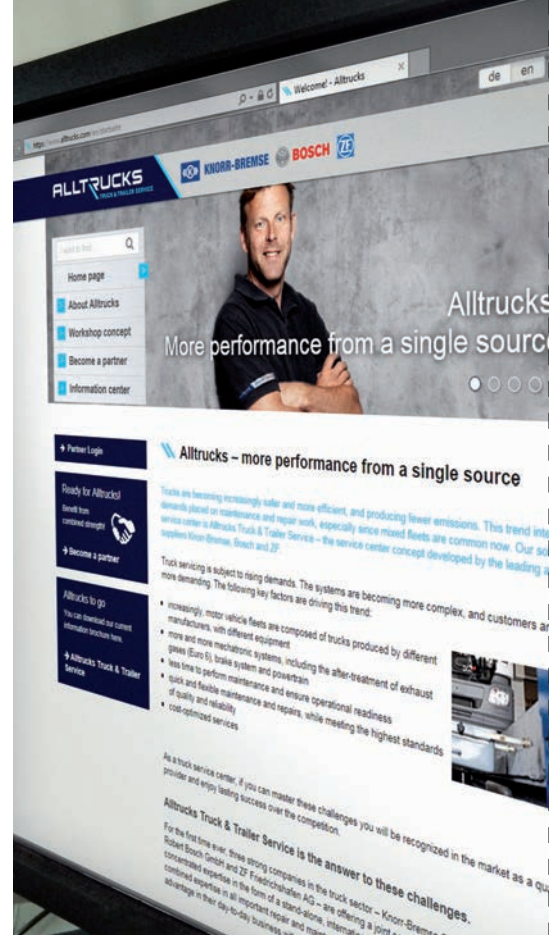
We have been dedicated to people for more than 125 years with our pioneering spirit, research, production and expertise.

Our dedication is an unwavering commitment to providing them with a unique combination of parts, diagnostics, workshop equipment and services:

- ▶ state-of-the-art solutions for efficient vehicle repairs
- ▶ innovative workshop equipment and software – also available on favorable lease terms
- ▶ the world's largest range of new and remanufactured spare parts
- ▶ fast, reliable delivery service
- ▶ expert customer care via our hotline
- ▶ extensive range of training courses
- ▶ specific sales and marketing support
- ▶ plus many other services

You can get original Bosch quality here:

For more information:
www.bosch.com



Subject to technical and software changes

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