

TRUCK SOLUTIONS



For Automotive
Professionals

TEXA

THE WORLDWIDE DIAGNOSTICS SPECIALISTS

For twenty years now TEXA has been synonymous with automotive diagnostics all over world, with products covering electronic and electrical diagnostics, exhaust gas emissions control and vehicle air-conditioning diagnostics and recharging. TEXA has progressively developed an extraordinary worldwide network, with around 700 distributors operating in almost 100 countries.

COMPLETE AND MODULAR OFFERING

TEXA offers automotive technicians complete support during all stages of vehicle repairs: from analysis of fault symptoms, to identification of the right spare part. TEXA guarantees an unrivalled offering of tools and services that meet all customer requirements:



Autodiagnostics tools, on-board diagnostics, electrical diagnostics, emissions diagnostics, air-conditioning system diagnostics and maintenance.



Operating software that's always updated with vast databases of diagnostics, technical and service information.



Specialist training through courses for automotive technicians and students of professional and technical training institutes.



Customer service through call centers, online repair support and an extensive database of solutions.

Just one display tool can be used to manage all types of diagnostics operations, on-board diagnostics, electrical diagnostics, emissions diagnostics and air-conditioning diagnostics. That's not all: with the introduction of "Apps", additional services can be made available for immediate access to exclusive functions, ensuring a unique vehicle servicing experience.

Diagnostics solutions



*A highly efficient
professional partner,
an essential workmate.*

TEXA provides diagnostics solutions for five different sectors: CAR, TRUCK, BIKE, OFF-HIGHWAY (AGRI and CONSTRUCTION) and MARINE, and within each of these offers unrivalled coverage of makes and models, ranging from European to Asian and US vehicles, managed by a worldwide development team.

TEXA is the only company operating in the TRUCK sector that develops in-house both its diagnostic resources and the related database, with interactive wiring diagrams, system datasheets and detailed component charts, technical bulletins and mechanical data.

IDC4 TRUCK is constantly extended based on continuous feedback received from HGV technicians, who in order to provide autodiagnosics services require accurate and up-to-date technical documents, as well as specialist training. All this is the result of the ongoing development work performed by our technical personnel to extend and increase the number of makes/vehicles our diagnostics solutions can be used on, both the latest models and older versions.

IDC4 VEHICLE COVERAGE

TRUCK							
AGRALE	ASTRA	AUTOCAR	AVIA	BEIFANG BENCHI	BREMACH	BUCHER-SCHÖRLING	CARMICHAEL
CVS FERRARI	DAEWOO	DAF	DENNIS EAGLE	DODGE	DONGFENG	DULEVO	ERF
FAW	FORD	FODEN	FREIGHTLINER	GAZ	GMC	HINO	HYUNDAY
INTERNATIONAL	ISUZU	IVECO	IVECO (BRASIL)	IVECO DVD	KALMAR	KAMAZ	KENWORTH
MACK	MAN	MAZ	MERCEDES-BENZ	MERCEDES-BENZ (BRASIL)	MITSUBISHI FUSO	MULTICAR	NISSAN
O.ZETA CLES	PETERBILT	RENAULT TRUCKS	SCANIA	SHAANXI	SHACMAN	STERLING	TATRA
TERBERG	VOLKSWAGEN TRUCKS	VOLVO TRUCKS	WESTERN STAR				
BUS							
AGRALE	ALEXANDER DENNIS	AUTODROMO	AUTOSAN	AYATS	BEIFANG BENCHI	BCI	BEULAS
BLUE BIRD	BMC	BREDAMENARINI	CACCIAMALI	CAIO	COMIL	DAEWOO BUS	DALLA VIA
DE SIMON	FAST	FIAT	GOLDEN DRAGON	GULERYUZ	HINO	HYUNDAY	IRISBUS
IRIZAR	ISUZU	IVECO	KAMAZ	KING LONG	LEXEA	LIAZ	MAN
MARCOPOLO	MAZ (BUS)	MERCEDES-BENZ	MERCEDES-BENZ (BRASIL)	MERCEDES-BENZ (EVOBUS)	MITSUBISHI FUSO	NEOPLAN	OPTARE
OTOKAR	PAZ	RAMPINI	RENAULT TRUCKS	SCANIA	SETRA	SHENLONG	SOLARIS
SOR	TEMSA	TOYOTA	TOYOTA CAETANO	TVM-MARBUS	VAN HOOL	VDL BERKHOF	VDL BOVA
SOLBUS	SUNSDGUI	VDL BUS	VDL BUS & COACH	VDL JONCKHEERE	WISEON	VOLKSWAGEN BUS	VOLVO TRUCKS
VOLZHANIN	YUTONG	WRIGHT BUS					
LIGHT VEHICLES							
AGRALE	CITROËN	FIAT	FORD	HYUNDAI	IVECO	LDV	MERCEDES-BENZ
MERCEDES-BENZ (EVOBUS)	NISSAN	OPEL (GM)	PEUGEOT	RENAULT	SOLLERS FIAT	SUZUKI	TOYOTA
VOLKSWAGEN							
TRAILER AND SEMI TRAILERS							
BPW	HALDEX	KNORR	THERMOKING	WABCO			

Unbeatable autodiagnosics

Autodiagnosics are the heart of the system, the main function required by technicians for efficient servicing. It is also the area where TEXA has focused its extensive know-how.

The TEXA IDC4 autodiagnosics environment provides direct access to individual functions, such as reading parameters and system status, reading errors, activation of individual components to check operation, and setting and calibration functions.



ERROR screen listing the faults/malfunctions saved in the ECU, with a detailed description of each one.



PARAMETER/STATUS screen showing the inputs and outputs managed by the ECU, displayed in numeric format and on graphs.



SETTINGS screen, offering the possibility to run the calibration, initialisation and programming functions required by the system, thus completing any repairs.



ACTIVATIONS screen, with functions for testing the components.

Total coverage, extraordinary functions



DASHBOARD MODE

One of the exclusive functions made available by the AXONE 4 display tool and its IDC4 PREMIUM software is DASHBOARD MODE, offering the possibility to display the vehicle's engineering parameters, associated with user-friendly and attractive graphics that reproduce an HGV dashboard, mechanical components and system operating logic.



Airbag



Parking help



Alarm



Body computer



Rescue call



Cabin control



Driver side door



and many other...



Errors



Parameter



Settings



Self-diagnosis help



Recording of the diagnosis session (Rec & Play)



Database and log of customers/works



Spare parts management



and many other...

Advanced autodiagnosics: special reprogramming functions

Specific vehicles and/or systems may have special functions, such as:

- reprogramming of new generation air dryers (APU: Air Processing Unit / APM: Air Processing Module);
- complete programming of ZF As-Tronic® transmissions;
- advanced configuration of new EBS braking systems on trailers;
- replacement of electronic control units, with the possibility to transfer the parameter settings from the old to the new unit.

These functions have been fully implemented on IDC4 TRUCK, for simple and safe operation.

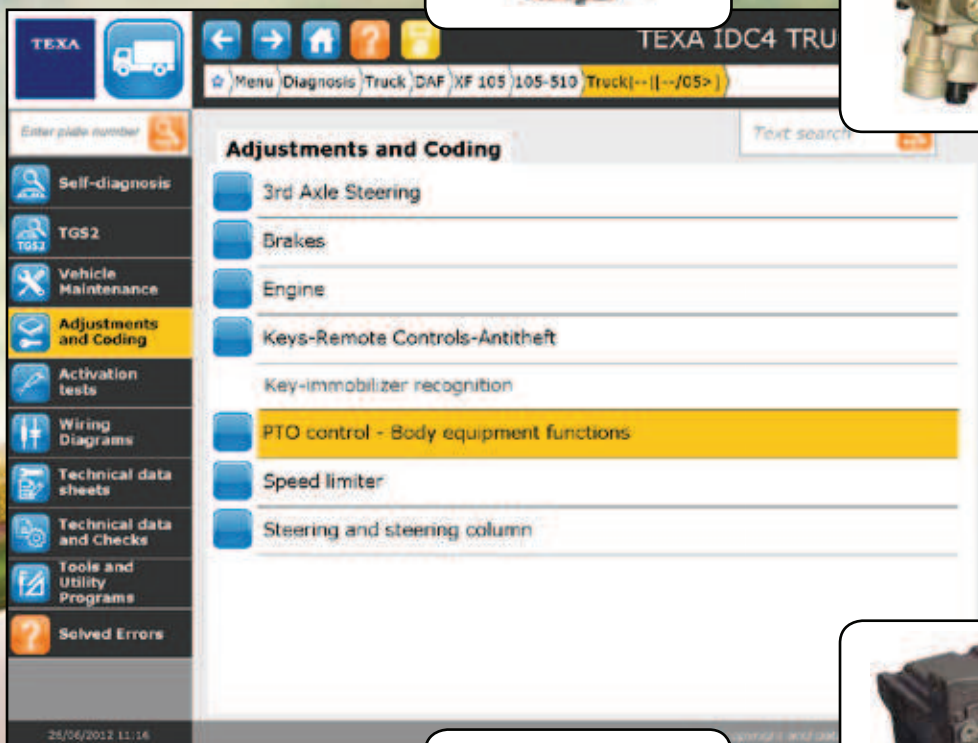


Knorr TEBS G2

Knorr APU/APM



Wabco EBS-2



ZF As-tronic



Wabco EBS-E



Bosch Denoxtronic

Exclusive functions to AXONE 4

Exclusive to **AXONE 4**, the software comes with important new features that provide concrete support for the everyday work of automotive technicians. IDC4 PREMIUM has updated and very user-friendly graphics, with the menu divided into four scrolling screens for direct access (**Diagnostics**, **Data**, **Measurements**, **Settings**).



Using the **“Remote Assistance”** function, when needed TEXA personnel can establish a remote connection to the tool and see exactly what is happening with the customer’s vehicle.



The **Data** menu contains useful information for accessing vehicle technical data and locating components. One special application, the **“Manufacturer Link”**, is particularly useful as it allows direct access to all the technical information provided by manufacturers relating to the vehicle’s original equipment.



Multibrand diagnostics for TRUCK

NAVIGATOR TXT

"SOLVED PROBLEMS" function
Powered by Google

Bluetooth

PASS-THRU SAE-J2534



COMPATIBILITY



AXONE 4



AXONE PAD



MULTI PEGASO



WINDOWS PC

NAVIGATOR TXT is a powerful multibrand diagnostics and autodiagnosics tool that connects directly to the vehicle's diagnostic socket, and communicates via Bluetooth with the AXONE 4, AXONE Pad and MULTI PEGASO display units, or alternatively with a Windows PC. Wireless connectivity means users can carry out diagnostics testing while being free to move around the vehicle and workshop.

NAVIGATOR TXT can perform all common autodiagnosics tests, including: read and clear errors, display engineering parameters and activation status, set and configure oil change, service and airbag indicator light reset, ECU configuration, keys and remote controls. NAVIGATOR TXT is compatible with the PASS-THRU protocol*, which allows any workshop to connect to each manufacturer's central server and download software packages or official technical information. The PASS-THRU function can be used whenever needing to update the software on one or more electronic control units, in the event of malfunctions.

* Go to www.texa.com/passthru to verify compatibility and the functions made available by individual vehicle makers.



TEXAEDU TRUCK program

Work on the electronic systems that manage modern vehicles not only requires knowledge of the underlying principles, but also in-depth and specialist training. This is why alongside its vast range of products, TEXA also offers automotive technicians specific training through a network of Training Centres located at its sales outlets throughout Italy. The TEXAEDU training program is divided into modules, so that each workshop can choose the specific course that best suits its needs. The possibility to use diagnostics tools in the classroom and in specially-equipped areas to run practical tests both directly on vehicles and using electronic simulators, ensures seamless integration between the theoretical and practical sessions, as well as faster and more effective learning.



D1T - TRUCK DIAGNOSTICS TECHNIQUES

DURATION: 8h

Explanation of the autodiagnosics techniques available in the IDC4 Plus operating environment. Information on interpreting parameters, errors, component activation and settings. Introduction to electronic systems: fuel control, ABS/EBS, automatic transmissions, suspension and retarders. Analysis of engine diagnostics procedures (cylinder deactivation, Volvo cylinder balance), electronic control unit replacement (WABCO EBS for trailers), suspension calibration (MERCEDES, Iveco), service reset (MERCEDES), clutch initialisation (MERCEDES, MAN, Volvo).



D2CT - CLIMATE CONTROL DIAGNOSTICS

DURATION: 8h

Knowledge of the essential features of thermodynamic systems and the main components of a vehicle air-conditioning system. General knowledge on the use and properties of fluorinated gases and the effects of refrigerant emissions on the environment. Knowledge of EC regulations 842/2006 on certain fluorinated greenhouse gases and the contents of Directive 2006/40/EC. Ability to use equipment for refrigerant recovery and understanding of common recovery procedures.



D4 - OSCILLOSCOPE DIAGNOSTICS TECHNIQUES

DURATION: 8h

Illustration of the functions available on the oscilloscope and how to read analogue and digital signals, such as peak-to-peak, frequency, PWM and T-NET mode for CAN Bus lines. The course mainly involves practical sessions, with case studies such as: analysis of earth and power supply potential, checking DFM signal from alternators, analysis of lambda signals, digital air mass meter, RPM and phase sensor synchronicity. The final part of the course examines some useful notions for checking digital signals on CAN Bus networks, thanks to the easy-to-use T-NET tool.



G13 - ENGINE TESTING

DURATION: 18h

Description of how injection systems have evolved on commercial and heavy goods vehicles, operating principles of EDC injection systems, pump injector and PLD systems, as well as diagnostics and repair procedures. Illustration of the features of traditional injection systems, the concepts of timing advance, flow-rate and high pressure; EDC injection systems (with in-line pump). Analysis of the various components, operating strategies and applications of EDC MS5, EDC MS6.1 injection systems, MS6.2 pump injector and PLD.



G14a - ABS BRAKING SYSTEMS

DURATION: 6h

Analysis of different types of braking systems used on heavy goods vehicles. Illustration of operating principles and diagnostics of different types of braking system. Troubleshooting using autodiagnosics tools. Analysis of WABCO D and E ABS braking systems.

TEXA

TEXA was established in 1992 in Italy at Monastier di Treviso, and today is a European leader in the design and production of multibrand diagnostics tools, exhaust gas analysers and air-conditioning maintenance stations. TEXA has operations virtually all over the world, through an extensive distribution network, while in Spain, France, Great Britain, Germany, the United States, Poland, Russia and Japan, it markets its products directly through its own branches.

TEXA now employs some 450 people around the world, including around 100 engineers and specialists working in Research and Development. TEXA has also received extensive international recognition over the years: the company won the prestigious Frost & Sullivan award in 2006 and 2007, received the GIPA (Groupement Inter Professionnel de l'Automobile) prize in 2009 for the TEXAEDU program, and in the same year won a gold medal at the Grands Prix Internationaux de l'Innovation Automobile in Paris. In 2010 it won the Innovation award at Automechanika Frankfurt, and in 2011 the "Galeria de Innovacion" prize at Motortec in Madrid.

In 2011, the President of the Italian Republic Giorgio Napolitano presented founder and CEO Bruno Vianello with the national award for Italy's most innovative company. All TEXA tools are designed, engineered and built in Italy, using modern automated production lines, a guarantee of maximum precision. TEXA focuses careful attention to product quality, and has obtained certification in accordance with the strict ISO TS 16949 requirements for suppliers of original equipment to the automotive industry.



To check out the extensive coverage of TEXA products visit
www.texa.com/applicationlist

To view demos showing TEXA instruments in operation visit
www.texa.com/demo

For information on IDC4 compatibility and minimum system requirements go to www.texa.com/system



**ALL TEXA PRODUCTS
ARE GUARANTEED
FOR 24 MONTHS**

WARNING

The trademarks and logos of vehicle manufacturers in this document have been used exclusively for information purposes and are used to clarify the compatibility of TEXA products with the models of vehicles identified by the trademarks and logos. Because TEXA products and software are subject to continuous developments and updates, upon reading this document they may not be able to carry out the DIAGNOSTICS of all the models and electronic systems of each vehicle manufacturer mentioned within this document. References to the makes, models and electronic systems within this document must therefore be considered purely indicative and TEXA recommends to always check the list of the "Systems that can be diagnosed" of the product and/or software at TEXA authorized retailers before any purchase. **The images and the vehicle outlines within this document have been included for the sole purpose of making it easier to identify the vehicle category (car, truck, motorbike, etc.) for which the TEXA product and/or software is intended.** The data, descriptions and illustrations may change compared to those described in this document. TEXA S.p.A. reserves the right to make changes to its products without prior notice.

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