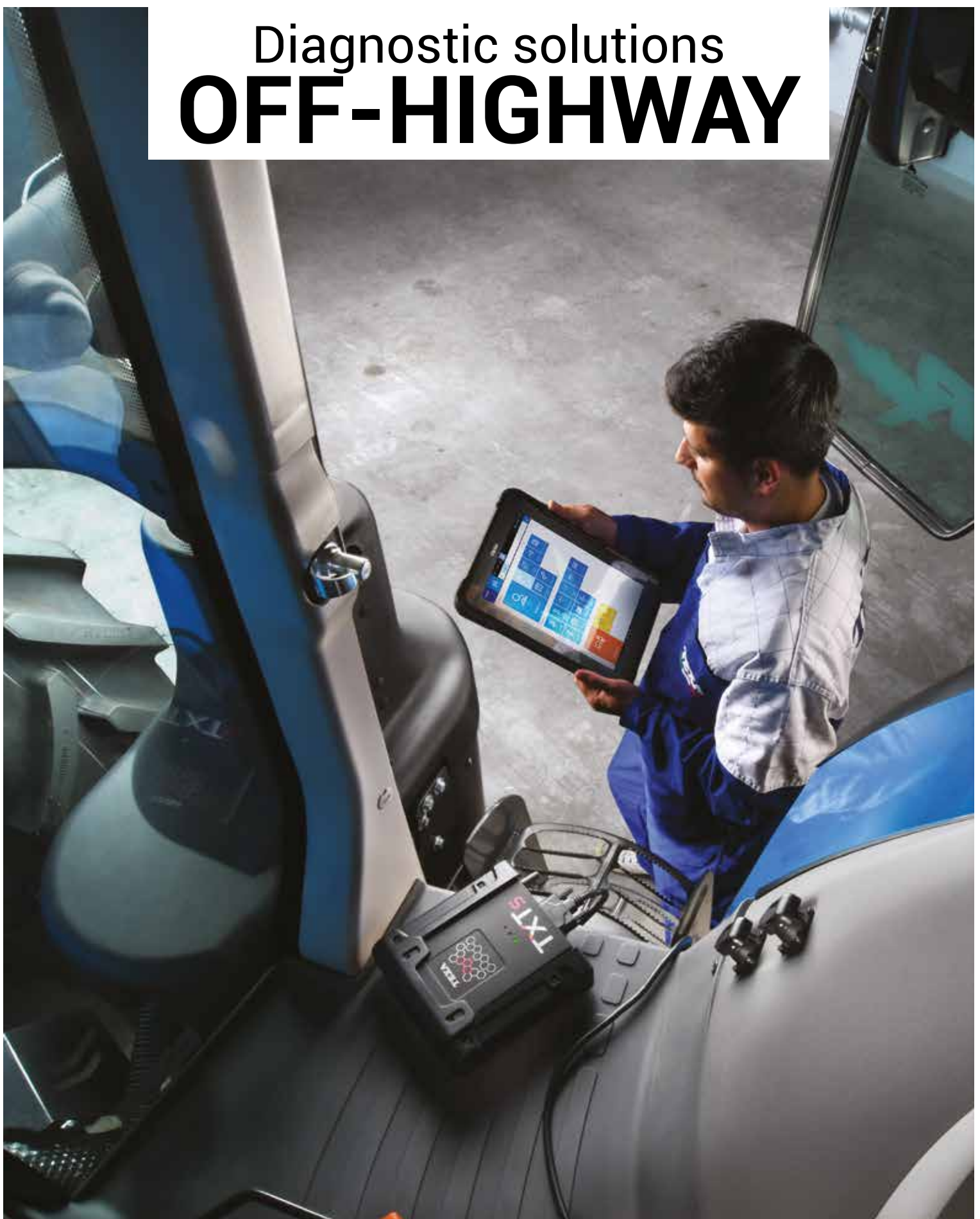


Diagnostic solutions **OFF-HIGHWAY**



TEXA

GLOBAL SPECIALISTS IN DIAGNOSTICS

TEXA has always been a reference point in the world of automotive equipment, and this leading position has been consolidated through the design and manufacture of innovative tools for electronic autodiagnosis, electrical diagnosis, exhaust gas analysis and air conditioning system service stations, for use on cars, trucks, motorcycles, agricultural vehicles and marine applications. Over the years, TEXA has built up an extensive global network of over 700 distributors in over 100 countries.



A complete and modular offer

TEXA offers the technician total assistance during all phases of a repair, from the analysis of fault symptoms to the identification of the right spare part. TEXA boasts an unrivalled offering of tools and services designed to satisfy all possible needs. From dedicated workshop tools to operating software, specialist training and customer services.



IDC5 SOFTWARE

Diagnosis without frontiers

IDC5 is the latest generation of TEXA's renowned operating system and another step forward to assist technicians. Thanks to major improvements in code the new system is faster than ever and guarantees virtually instant communication with a vehicle's control units.

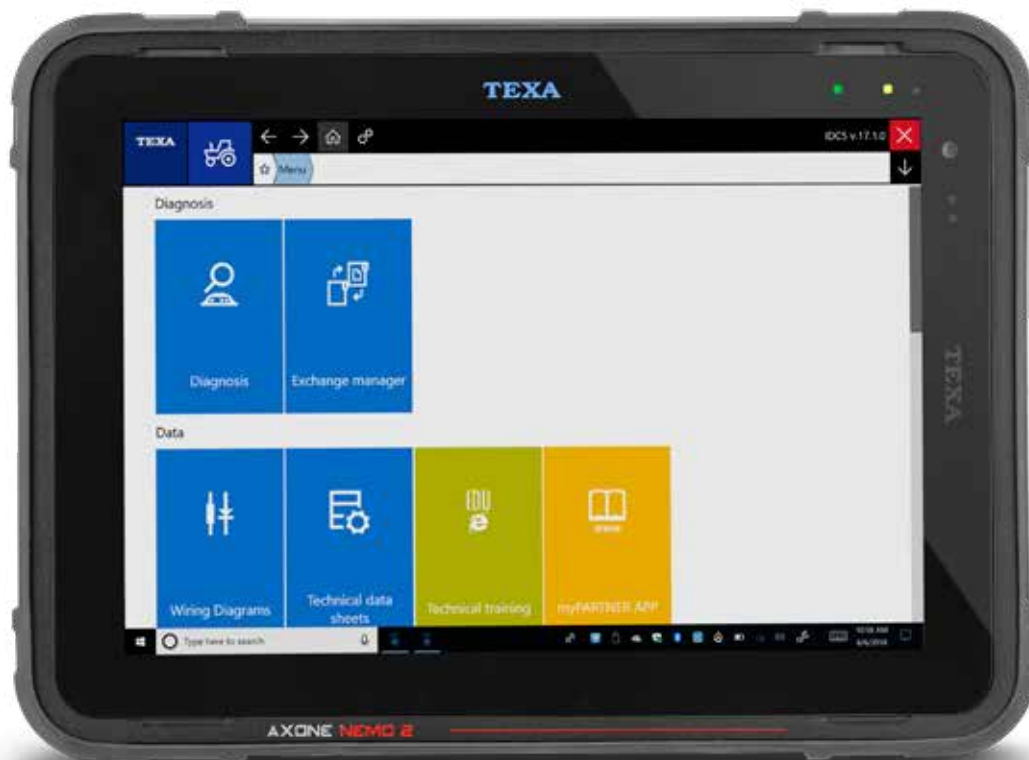


An even more intuitive software interface

The graphic interface of IDC5 is designed to resemble the latest consumer applications, **simplifying and making the various steps** in maintenance and repair procedures more intuitive. On top of this, all diagnostic pages have been redesigned to give a **fuller view of the most relevant information** and the menu has been revised and is now arranged vertically. This new solution lets you scroll rapidly through all available options without ever having to change pages. A simple touch is all that is needed to zoom in on the functions you want.

Another new function allows you view and manage vehicle parameters. These can be displayed in graphic form and can be filtered using text searches or by selecting those specifically required.

Even the **downloading of updates is faster** in the new software. IDC5 is constantly evolving and is open to new technologies that appear in the near future.



A whole world of functions and services

The IDC5 software provides an extensive series of exclusive functionalities developed and optimised by TEXA's own R&D department.



TGS3s global system scan

The amazing TGS3s automatically scans all the accessible* control units on the vehicle. The system is impressively fast in the way it recognises the ECUs and accesses the relevant diagnostics. On completion of the scan, TGS3s immediately displays any errors detected on the vehicle along with the relevant error codes and descriptions. It also lets you read and reset errors with a single click. You can even run autodiagnosics on selected systems directly from the error detection screen.

*TGS3s scanning may not function with older models of vehicle since previous generation control units may not support the latest scanning functionalities.



Freeze Frame

Freeze Frame lets you view the display of parameters and data detected and recorded at the moment a fault occurs. The actual information displayed by Freeze Frame may vary from one vehicle manufacturer to another and from one type of system to another.



Error Help

“Error Help” is the easiest and most accessible way to obtain information on errors. The help content provides useful information on the meaning of error messages and if necessary, on what checks to perform first.



Recording of diagnostic sessions Rec & Play

Faults sometimes intermittently occur under specific operating conditions. For example, power may be lost only when driving uphill or when the engine is under a high load, or perhaps a warning light comes on only when the engine is hot. Under conditions like these, the Rec&Play function offers the perfect solution, as it lets you record parameter values and any errors that occur during a road test. Data can be viewed and analysed later and even printed out as a report on the test.



Wiring Diagram Detail

This function makes an instant link between the error read from the control unit and the corresponding component on the wiring diagram. From the wiring diagram you can access the test functions and device descriptions typical of the IDC5 operating environment.



OEM Vehicle Check-Up

This function displays a list of systems configured on a vehicle and lets you view a list of any errors detected. The function identifies all ECUs and reads their error logs (3 to 20 times faster than normal). It also determines the state of each error (active or logged) and provides instant access to the "Error Help" function and related fault solutions. In addition, the function lets you select and display a determined group of ECUs and even cancel errors without having to re-establish communication between the tool and the control unit.





Support for Autodiagnosics

Data sheets and Wiring Diagrams provide detailed information on the functionalities of individual systems to support autodiagnostic tests. In addition, users can also look up specific mechanical data for each vehicle.

Data sheets

TEXA's technical bulletins provide superbly accurate information on the selected vehicle, including instructions for performing a manual reset after servicing, overviews of specific mechatronic systems and much more.

System wiring diagrams

Wiring diagrams are prepared by TEXA's own engineers. Because they follow the same standard for all vehicle manufacturers, they are a great help in troubleshooting. While you are consulting a wiring diagram, you can also access related datasheets by selecting a specific component or use the SIV function to perform oscilloscope tests using automatically selected settings.

iSupport

This function can be used to send a request for assistance simply by entering the type of vehicle and the system being serviced then describing the specific problem that cannot be solved. The TEXA call centre will immediately deal with the request and provide a response to solve the problem in the shortest possible time.

DASHBOARD

The DASHBOARD* is an exclusive function of IDC5 operating software that lets you view a vehicle's operating parameters. Its attractive and intuitive graphic interface reproduces a vehicle's dashboard, mechanical components and functioning logic.

*Customers using an AXONE NEMO 2 diagnostic tool will find the DASHBOARD already present and active. Customers using other diagnostic tools can purchase DASHBOARD as a dedicated app from the "TEXA APP" virtual store.

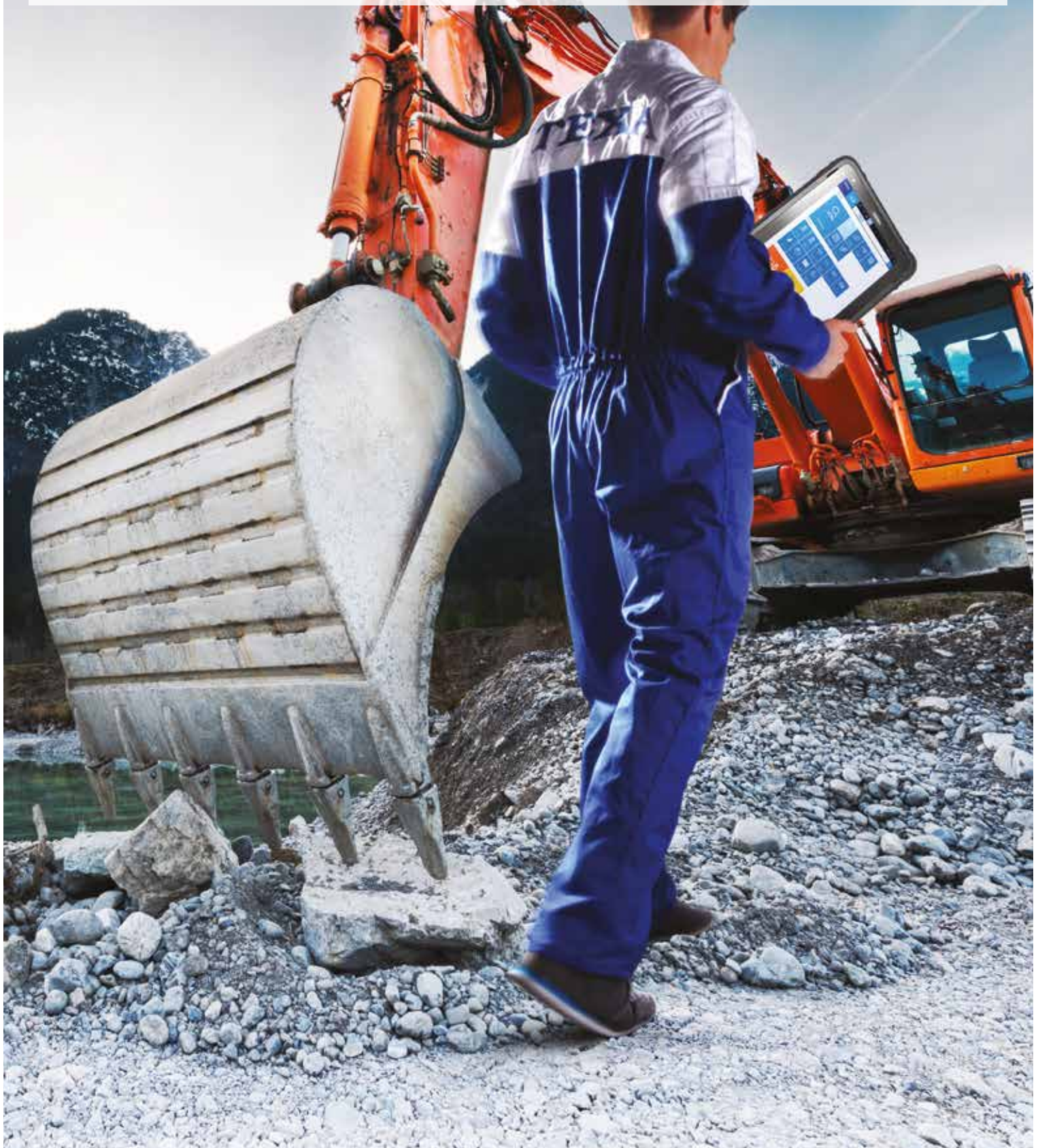
TROUBLESHOOTING

The IDC5 OHW software by TEXA also offers access to a database called "TROUBLESHOOTING", in which you can find information, additional details and recommended repair procedures for a large variety of errors that may appear during Self-diagnosis.

By entering the error code or description, you will be given the repair procedure recommended by the manufacturer.

Diagnostic solutions

TEXA's diagnostic solutions are based on the powerful **AXONE NEMO 2** display units and on the robust **NAVIGATOR TXTs** vehicle interface. These devices connect and communicate with the vehicle's electronic control units and guarantee levels of speed and performance that are simply unrivalled in the world of multi-brand diagnostics. TEXA devices provide unique support for today's vehicle technicians and also stand out for their ease of use and versatility. All TEXA interfaces are fully compatible with standard personal computers.



AXONE NEMO 2

AXONE NEMO 2 is the top-of-the-range multi-brand display unit. Being a multi-environment tool, it guarantees that mechanics can carry out quick, complete and precise operations on **cars, light commercial vehicles, trucks, agricultural and construction vehicles, bikes** and **boats**. It has a **12-inch capacitive** screen, with 2160x1440 **resolution**, protected by Gorilla Glass. Inside, the Windows 10 Enterprise operating system is powered by an Intel® Pentium Quad Core N5000 processor with 8 GB DDR4 RAM and 250 GB PCIe SSD storage. Connectivity is guaranteed by an advanced dual-channel **Wi-Fi** system and a **Bluetooth® 4.2** module. Another distinctive element is the **military standard MIL-STD 810G** (transit drop test), which makes the tool resistant to impacts and falls.







NAVIGATOR TXTs

The NAVIGATOR TXTs is the most powerful, highest performer of TEXA's vehicle interfaces and lets you work in the **OFF-HIGHWAY, CAR, TRUCK, BIKE and MARINE** environments. You can use it to run autodiagnostic tests, view parameters, status, activate devices, perform adjustments and configurations, reset warning lights, maintenance, service and airbag indicators, configure ECUs, program keys and remotes and much more.

The NAVIGATOR TXTs is **compatible with PASS-THRU protocol***, which allows workshops to connect to manufacturers' central servers and download software packages or official technical information.



*At the website www.texa.com/passthru, verify the recommended minimum hardware requirements and the enabled vehicle manufacturer diagnostic functions.



TEXA eTRUCK OHW

eTRUCK is a miniaturised device that provides a brand-new type of service for the maintenance of **agricultural** and **construction** vehicles. With TEXA eTRUCK, workshops can constantly monitor the vehicle status remotely, managing the maintenance from a predictive point of view.

eTRUCK establishes a direct connection between the mechanic and the vehicle, **strengthening customer loyalty** through a continuous assistance service.

This innovative device is the ideal solution also for companies that work in the transport and construction industry, whose fleets may include, for example: traditional heavy-duty vehicles, agricultural vehicles and off-highway vehicles for special operations. eTRUCK OHW provides constant updates on the conditions of the vehicles and allows carrying out actions aimed at **reducing costs** and **optimising the use** of vehicles, thanks to a dedicated app and web portal.



For the TEXA workshop

The Workshop Portal provides the possibility to strengthen customer loyalty thanks to a highly professional service, allowing workshops to:

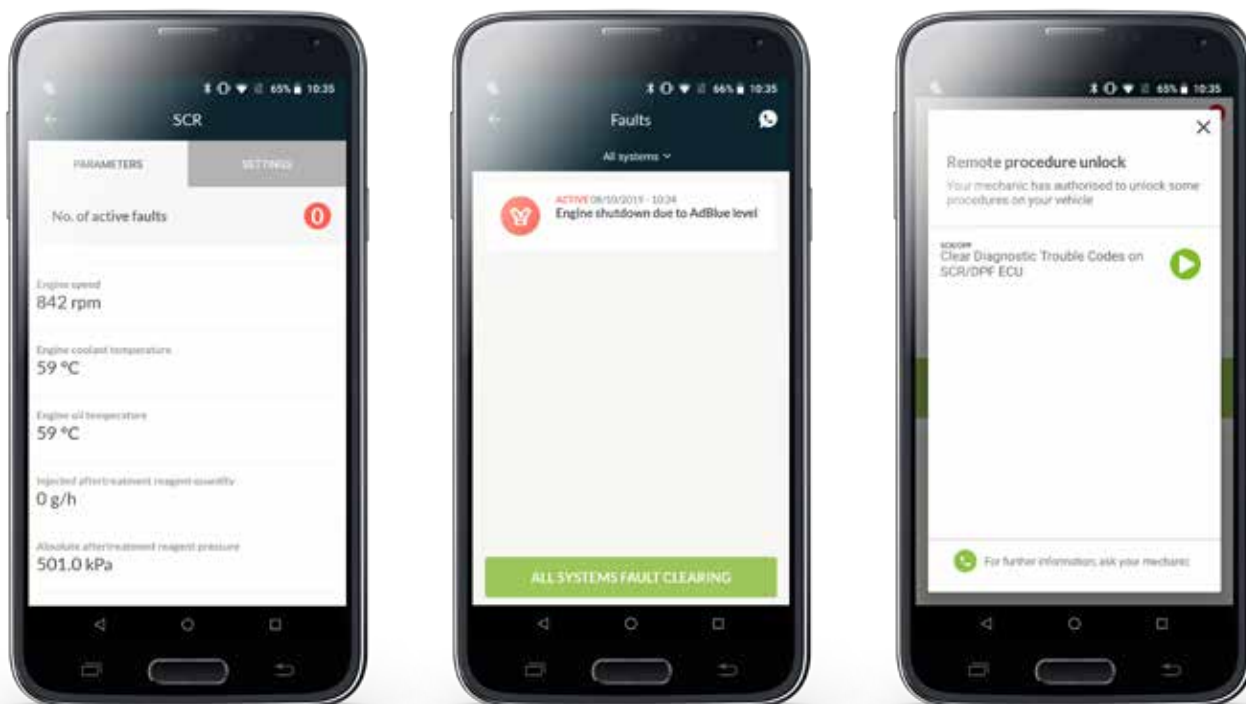
- Continuously monitor the status of the vehicles remotely and work on the engine management and exhaust gas after-treatment system as if they were in the workshop.
- Arrange ordinary and extraordinary maintenance in advance.
- Share their maintenance appointments calendar with drivers and fleet managers.
- Manage their entire customer base with the same software.
- Create a detailed profile for each customer.



For the drivers

Thanks to an APP that provides very useful information during vehicle use, drivers can:

- Read the data on vehicle use in real time.
- Have remote vehicle diagnostics available to solve any faults in a very short time, without having to drive to a workshop.
- Check the maintenance calendar shared with the workshop.
- Fill out a Driver's Daily Vehicle Check & Defect Report List as required by law in certain countries.



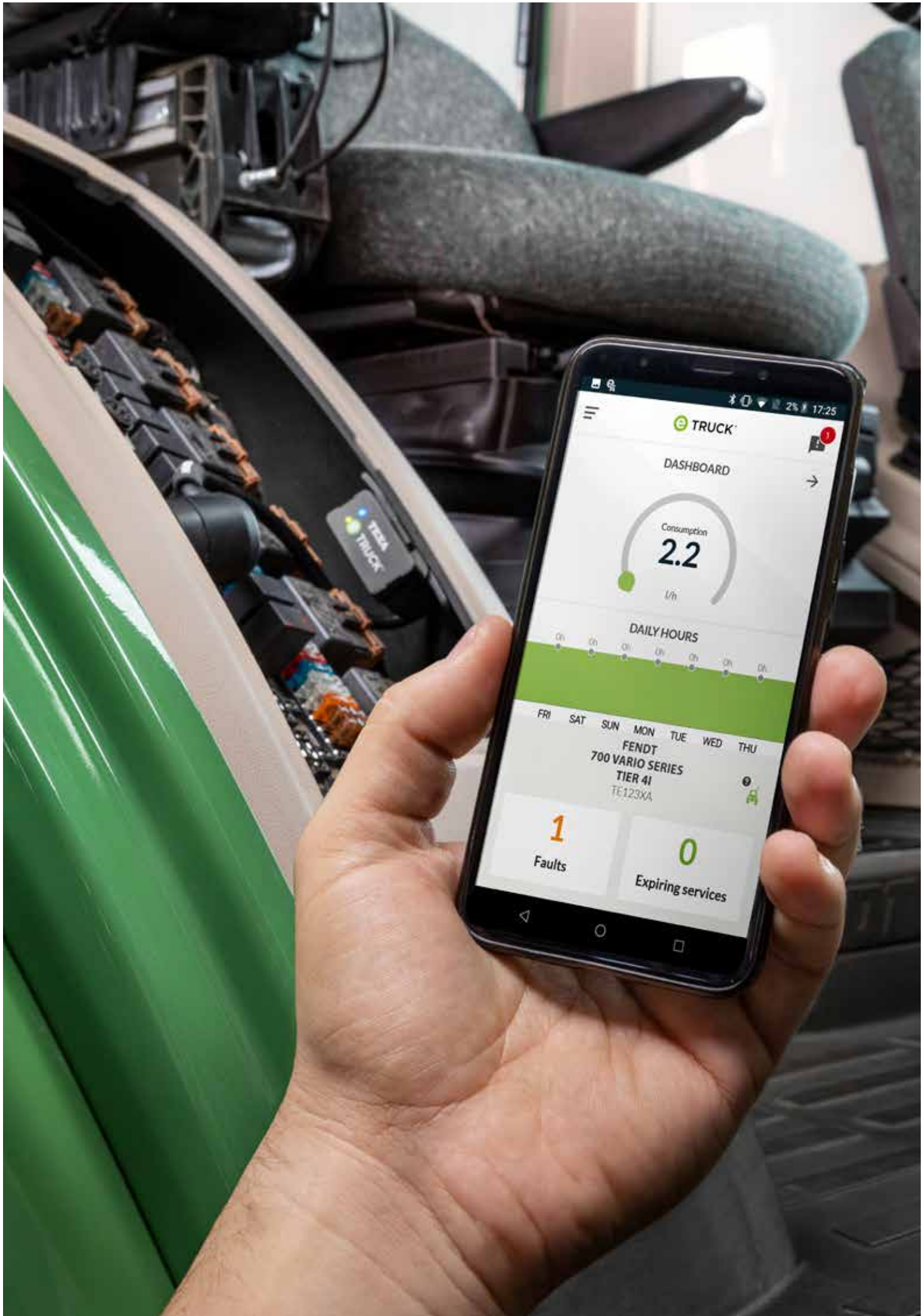
For the fleet managers

Fleet managers can use the dedicated portal to:

- Check the operating status of the vehicles in their fleet.
- Supervise the remote assistance operations performed by the workshop.
- Monitor the maintenance status and service expirations of their vehicles.
- Share a maintenance appointments calendar with the workshop.



The screenshot shows the 'FENDT' (Daily Vehicle Check & Defect Report List) view in the TRUK TRUCK portal. It displays a table with columns for 'VEHICLE', 'SERVICE', 'DATE', 'STATUS', and 'ACTION'. The table lists several vehicles and their scheduled services, including 'SERVICE' and 'CHECKPOINT'.



eTRUCK

DASHBOARD



DAILY HOURS

FRI SAT SUN MON TUE WED THU

FENDT
700 VARIO SERIES
TIER 4i
TE123XA

1
Faults

0
Expiring services

KONFORT A/C recharge stations

The KONFORT 700 range is made up of innovative models with different specifications and operating modes for the high precision of vehicle air conditioning systems. The range is produced on an assembly line that is the only one of its kind in the world to ensure the ultimate in quality and lasting reliability. The exceptional characteristics of their components guarantee a refrigerant recovery rate of over 95%.

An essential, stylish design combines with easy handling, sturdiness and safety to make all A/C system maintenance operations quick and easy.



KONFORT 712R (R134a or R1234yf)

KONFORT 712R is TEXA's new mid-range A/C charging station which boasts the typical technical features of the top-range models such as the automatic maintenance service management and the measuring of the amount of oil recovered with the electronic scale. The KONFORT 712R can be purchased in the R134a or R1234yf version with the option to change the configuration.

Other distinctive features of the KONFORT 712R compared to the other models in its category, is the possibility to install the Refrigerant Identifier Kit and to use it in combination with REC+, the innovative device patented by TEXA for the recovery of contaminated refrigerants from the vehicle A/C systems.

KONFORT 712R is the ideal solution because with a limited investment the mechanic can have a station with exclusive features and top class performance, ensuring customers a high level of service over time.

KONFORT 705R OFF ROAD (R134a) and KONFORT 707R OFF ROAD (R1234yf)

The KONFORT A/C stations 705R OFF ROAD and 707R OFF ROAD are the "entry level" models, respectively dedicated to the recovery and charging operations of the refrigerant R134a and R1234yf.

They retain the same basic characteristics as the other models in the KONFORT range and therefore represent the ideal solution for workshops committed to offering customers an impeccable assistance service while keeping their business costs under control.

It is equipped with two larger rear wheels and the tyres are filled with a special anti-puncture foam. Instead of front wheels, the station has a robust metal bar for greater stability during use. Another feature designed specifically for off road applications is a scales locking system that prevents the loss of calibration during movement over particularly rough ground.



Simple, quick, smart just a “touch” for recharging

Its more than ten years' leadership in the vehicle A/C service and recharge field has allowed TEXA to obtain the approval and recommendation by the major vehicle manufacturers worldwide. From the same experience, TEXA has given birth to **KONFORT TOUCH**, a range of charging stations characterised by exceptional manufacturing quality, designed for all the A/C service operations on vehicles that use refrigerant **R134a** and **R1234yf**.

In a **simple, quick, smart** way, and with the utmost ease of use.

The KONFORT TOUCH range is:

Simple, because its **10-inch colour touchscreen display**, the Android™ operating system and its main service dashboard allow users to customise the charging operations and start them really easily.

Quick, because the navigation menu enhances the user experience and gathers all the key functions in the main page, allowing users to complete the operations with absolute precision and in just a few steps.

Smart, because its advanced connectivity allows it, for example, to update automatically, receive remote assistance and connect to other devices, such as printers and smartphones. Moreover, it uses a search algorithm that identifies the vehicle in the wide database by simply entering a keyword, therefore avoiding the classic selection of make and model.

*Simple and intuitive
thanks to its wide
touchscreen display*



*Flexibility of use
with the built-in Wi-Fi*



**Even quicker
A/C service**

Four models for every need

The KONFORT TOUCH range includes four models; each of them is rich in exclusive functions and special features, for every operational need.

KONFORT 780 TOUCH BI-GAS (R134a and R1234yf)

The **top of the range**. It allows users to alternate services on vehicles equipped with refrigerants R134a and R123yf, as it has **two tanks** and **two separate circuits for recovery, recycling and recharging**.

The service process is **automated**.

Other distinctive features: **airtight oil bottles**, **scale locking/unlocking** device, refrigerant weight accuracy check system, **automatic cleaning** device for all the hydraulic ducts.

KONFORT 760 TOUCH KONFORT 760 BUS TOUCH (R134a or R1234yf)

Both high-performing, also equipped with **airtight oil bottles**, **fully automatic** service management, scale locking/unlocking device and **refrigerant weight accuracy** check.

Moreover, the **760 BUS TOUCH** version is designed for larger systems and equipped with a larger tank, pump and compressor.

KONFORT 720 TOUCH (R134a or R1234yf)

“Entry level” version in the range, KONFORT 720 TOUCH has **automatic functions** for the refrigerant recovery and recycling and for the oil drain.

Quantities of oil and UV tracer are controlled by an **automatic valve system**. The operator therefore only has a few simple tasks to carry out.

A large display for great results

The KONFORT TOUCH charging stations are equipped with a **10-inch colour multi-touch screen display**, which gives them great usability and allows always having a clear view of the operations to perform. Moreover, the **innovative graphic interface** has been developed to ensure a really intuitive software user experience, making it easier to **quickly read the data** displayed.

Data reading is best supported by the high resolution and 400 nits brightness.

An interesting feature is also the possibility for the operator to choose between a light or dark theme for the background. The display on the KONFORT TOUCH stations features the **glove-touch technology**, which ensures perfect use while wearing different types of work gloves.



**10-inch colour
industrial touchscreen display**

**Glove-touch
technology**

**Quick data
reading**

**Intuitive
graphic interface**



A training programme to be always "ahead of the game"

TEXA believes customer training to be particularly important, since adequate technical competence and the correct use of diagnostic tools are critical to the success of repair work. The teaching methods used in TEXA courses are based on an ideal mix of theory and practical elements. Practice plays a fundamental part, as it combines testing and simulations with use of the technicians own TEXA diagnostic tools, thus stimulating a more active and dynamic participation and effective learning.





P50HW: IDC5 AGRI BASIC LEARNING

AIM: Know the different types of agricultural and earth-moving vehicles and how to apply the advanced self-diagnostic techniques: system scan, error reading, manual calibration and adjustment procedures, advanced parameter reading.

Carry out test drives and record the diagnostic sessions. Use the technical documentation useful for the self-diagnostic procedures.

DURATION: 4 hours



D10HW: DIAGNOSTIC AND CALIBRATION TECHNIQUES FOR AGRICULTURAL VEHICLES

AIM: Learn how the electronic systems work in agricultural tractors, analyse the types of electrical/electronic systems in tractors. Learn the operation of: engine, transmission, linkage, CAN and ISOBUS architecture. Carry out the most common reset and calibration procedures

on the main manufacturers.

DURATION: 8 hours

Unrivalled coverage

IDC5
COVERAGE
UPDATE

AGRICULTURAL VEHICLES

AGRICULTURE TRAILER
ANTONIO CARRARO
ARBOS
BELARUS
BUHLER VERSATILE
CARRARO
CASE IH
CASE IH (LATAM)
CATERPILLAR
CHALLENGER
CLAAS
DEUTZ - FAHR
ENERGREEN
ERO
FARESIN
FENDT
FRANZ KLEINE
GREGOIRE
GRIMME
HOLDER
HOLMER
HORSCH
HURLIMANN
ISOBUS
JACTO
JCB
JOHN DEERE
JOHN DEERE (Brazil)
KAMAZ
KIOTI
KRONE
KUBOTA
LAMBORGHINI
LANDINI
LAVERDA
LINDNER
LS MTRON
MAC DON
MASSEY FERGUSON
MASSEY FERGUSON
(LATAM)
McCORMICK
MERLO
NEW HOLLAND
NEW HOLLAND (LATAM)
RENAULT AGRICULTURE
ROPA
ROSTSELMASH
SAME
STARA
STEYR
URSUS

VALTRA
VALTRA (LATAM)
VOLENTIERI PELLENC

CONSTRUCTION

AEBI
ASTRA
ATLAS
ATLAS COPCO
BELL
BOBCAT
BOMAG
CARRARO
CASE CE
CASE CE (LATAM)
CATERPILLAR
CVS FERRARI
DITCH WITCH
DOOSAN
DYNAPAC
ELAZ
FANTUZZI
GEHL
GENIE
GROVE
HAMM
HIDROMEK
HITACHI
HYDREMA
HYUNDAI CE
ITURRI
JCB
JLG
JOHN DEERE CE
KALMAR
KÄSSBOHRER GELÄN-
DEFAHRZEUG
KATO
KAWASAKI CE
KOBELCO
KOMATSU
KRAMER
KUBOTA
LIEBHERR
LINK-BELT
LIUGONG
MECALAC
MERLO
MOW
MUSTANG by MANITOU
NEW HOLLAND CE
NEW HOLLAND CE
(LATAM)
O&K

OSHKOSH
OVERAASEN
PAUS
PERLINI
PRINOTH
RANDON
ROSENBAUER
SANDVIK
SENNEBOGEN
SPIERINGS MOBILE
CRANES
SUNWARD
TADANO
TAKEUCHI
TERBERG
TEREX
TEREX/DEMAG
TEREX/MECALAC
THWAITES
TIGERCAT
VERMEER
VOLVO CE
WACKER NEUSON
WEIDEMANN
WIRTGEN
XCMG
YANMAR

FORKLIFTS & TELEHANDLERS

BOBCAT
CASE CE
CASE IH
CATERPILLAR
CLAAS
COMETTO
DIECI
DOOSAN
FARESIN
GEHL
GENIE
GIANT
HAULOTTE
HELI
HYSTER
HYUNDAI
JCB
JLG
JOHN DEERE CE
KALMAR
KONECRANES
KRAMER
KUBOTA
LIEBHERR

LINDE
MANITOU
MASSEY FERGUSON
MERLO
NEW HOLLAND
OTO
PAUS
PETTIBONE
SENNEBOGEN
UPLIFTING
WACKER NEUSON
WEIDEMANN
XTREME
YALE

INDUSTRIAL ENGINES

CATERPILLAR
CUMMINS
DETROIT
DEUTZ
DOOSAN
FPT
ISUZU
JCB
JOHN DEERE
KOHLER
KUBOTA
LIEBHERR
MAN ENGINES
MERCEDES-BENZ
MTU
MWM
PERKINS
SCANIA
SISU
VM MOTORI
VOLVO PENTA
YANMAR

TRAIN

CATERPILLAR
CUMMINS
DEUTZ
FPT
MAN ENGINES
MERCEDES-BENZ
MTU



To learn more about the extraordinary coverage made available by TEXA, visit the website:
www.texa.com/coverage



To check on IDC5 compatibility and minimum system requirements, go to:
www.texa.com/system

TEXA

Founded in Italy in 1992, TEXA is today a world leader in the design, industrialisation and production of multi-brand diagnostic tools, exhaust gas analysers, air conditioning charging stations and telediagnostic devices, for cars, bikes, trucks, boats, and agricultural vehicles. TEXA is present all over the world with a widespread net of distributors: it commercialises directly in Brazil, France, the UK, Germany, Japan, Spain, the US, Poland and Russia through its subsidiaries. TEXA currently employs more than 700 people around the world, including over 150 engineers and specialists working in Research and Development. Over the years, TEXA has received a large number of prizes and awards for innovation, in many countries worldwide. All TEXA tools are designed, engineered and built in Italy, using extremely modern automated production lines which guarantee maximum precision. TEXA is particularly committed to the quality of its products: it obtained the strictest certifications, such as the TISAX (Trusted Information Security Assessment Exchange), a standard defined by the VDA, the German Association of the Automotive Industry, which guarantees the highest level possible of information and know-how protection against increasingly frequent cyber-attacks. It joins other certifications, such as the IATF 16969, specific for first automotive suppliers; the VDA 6.3, another method by German manufacturers that established itself as an international point of reference; and the ISO/IEC 27001 in the information security field.

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 authorised 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.



To check out the extensive coverage of TEXA products, go to:
www.texa.com/coverage

To check on IDC5 compatibility and minimum system requirements, go to:
www.texa.com/system

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