CAR solutions

www.texa.com
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: 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 designed to guarantee compatibility with the new ISO 13400 standard, also known as the Ethernet/DoIP communication protocol, using AXONE Nemo or a Windows PC.
With TEXA APP, your IDC5 will never grow old. The world’s top databases and most advanced functionality available now – or soon!

TEXA has been synonymous with innovation in the automotive industry for 25 years. Determined to maintain this enviable reputation and improve continuously, TEXA has now made the mechanic’s work easier than ever. TEXA has introduced a whole new concept in diagnostic support in the form of the TEXA APP virtual store and access to world-class databases provided by TEXA and its partners. This new approach is designed to dramatically reduce vehicle repair and servicing times by letting you customise your TEXA tool the way you want, so that essential and up-to-date information is always at your fingertips. TEXA has also re-written its software to make it easier to tailor to your own professional needs while maintaining the same speed, simplicity and professionalism for which TEXA has always been renowned. In just a few clicks you can purchase TEXA apps written especially for garage use as well as individual modules from leading databases like Autodata and Autronica, containing repair manuals, technical information, maintenance and repair data and more besides. This means you can now personalise IDC5 software to meet the needs of your own business, just like a “bespoke suit”. You can also receive all the updates relevant to your own diagnostic procedures whenever new content becomes available.
TEXA APP: the new way to customise your diagnostic

**RH+ (Remote Help plus)**
A brand new idea for the mechanic, this App provides support and access to a vast range of special functions, even for new models of vehicle, and includes functions not normally available on multi-brand diagnostic tools. This innovative app lets you perform special setting and programming procedures using the know-how of an automotive expert. When you contact the TEXA CALL CENTRE, a TEXA specialist will be able to access your tool remotely to work alongside you in your garage!

**CONTINUOUS TRAINING**
This App gives you access to a special “Training & Insurance” package that includes an annual training course in the latest vehicle technologies and an insurance policy to protect you against potential risks deriving from your repairs of the latest, rapidly evolving smart systems.

**DASHBOARD MODE**
DASHBOARD is the innovative function that lets you view vehicle engineering parameters using extremely intuitive and attractive graphics that reproduce an industrial vehicle’s dashboard, the mechanical components and operating logic of the selected system.

**DUAL MODE**
DUAL MODE is the innovative function that lets you connect and view parameters on two different interfaces simultaneously: for example, self-diagnosis can be performed on a component whilst the signal is studied with an oscilloscope. With this application, TEXA provides a more ample view during vehicle tests and diagnostics.

**LPG - CNG SYSTEMS**
LPG - CNG SYSTEMS is the APP that allows you to diagnose the LPG - CNG systems installed on used vehicles (aftersales). This APP allows you to work on a large number of vehicles of different brands and models on which an LPG - CNG system was installed.

**SUPERCAR**
SUPERCAR is the TEXA diagnosis software dedicated to sports car and large engine luxury car makes such as Ferrari, Lamborghini, Maserati, Morgan, Pagani, Porsche, giving access to hundreds of different diagnostic combinations.

**KEY/REMOTE CONTROL CODING**
Through this APP you can quickly access the vehicle’s self-diagnostic functions in order to code the keys, the remote controls, the immobiliser control units in case of malfunctions or if they must be replaced.
DPF REGENERATION
This App allows you to perform the particulate filter forced regeneration, in accordance with anti-pollution regulations. It is a very important operation in vehicles, especially in all those cases in which the spontaneous regeneration is not possible, i.e. in particular driving conditions or if the vehicle is mainly driven on urban roads.

ELECTRICAL VEHICLES
The APP ELECTRIC VEHICLES gives quick access to all the particular functions or activations that allow the analysis of problems and actions on the electric motor and on the vehicle’s charging system.

TRANSPORTATION MODE PROGRAMMING
When the newly produced vehicles are delivered to the dealers, they have many functions that are deactivated, such as the radio, the central locking and other services. Through this APP you can quickly activate all the vehicle’s functions by changing the status “Factory mode” to “Customer Mode”.

DRIVING ASSIST SYSTEMS
Thanks to this APP, you can directly access the adaptation and programming functions linked to these control units, such as: calibrations and programming of the front/rear video cameras, necessary, for example, when replacing the windscreen or repairing the vehicle after a crash calibration of the front and rear parking sensors, in order to keep the system perfectly efficient, programming of the control units that control the lane keeping line.

TECHNICAL TRAINING
The dedicated TEXAEDU department offers a range of courses at various levels; from tool use introduction courses to more specific courses for professionals who require more specific system training. EDU APP is the application dedicated to technical training that always keeps you up to date on the latest news and available course dates and places.

SELF-DIAGNOSIS COMPONENT SHEETS
The “Self-Diagnosis Component Sheets” is the App designed by TEXA that provides the technician specific technical information regarding the most complex components within vehicle systems, giving an essential support for the diagnosis of the component itself.

AIRBAG VAG CODING
AIRBAG VAG CODING is TEXA’s innovative App that allows you to calculate, quickly and precisely, the codes you need to code a new Airbag control unit of the VAG group. You just have to enter the control unit’s code indicated is on its package in order to receive the 5 digit coding code you need for the installation.

And more besides!
APP Autronica

By purchasing Autronica apps, you can access, directly from your diagnostic tool, a series of technical documents in pdf format, complete with colour illustrations, to help with advanced procedures involving:

**VEHICLE IDENTIFICATION**
Extremely useful for recognising the exact type of vehicle you are working on by instantly identifying the manufacturer's data plate and the essential information it provides on engine code, equipment level, model year, model code, VIN, etc.

**ENGINE**
This App lets you access essential information for vehicle repairs, including diesel and petrol engine characteristics, tightening torques, repair procedures, electrical specifications, engine control unit data, fuel pump locations, etc.

**CLUTCH**
This App provides detailed information for removing and fitting the clutch master cylinder, clutch actuator, clutch disk and thrust bearing.

**GEARBOX**
This App provides in-depth information on the characteristics of manual and automatic gearboxes and tells you how to remove and refit them and how to drain and add oil, work on control boxes and perform repairs.

**TRANSMISSION**
This App provides detailed information on drive shafts, including removal and refitting procedures.

**SUSPENSION – AXLES – ALIGNMENT**
This app provides a manual containing information about the front wheel system (system removal-refitting, removing-refitting shock absorbers, removing-refitting king pins, removing-refitting subframes) and rear wheel systems (remove-refitting shock absorbers and hubs, removing-refitting rear axles).
STEERING
This is another very useful app, dedicated to the steering system. It contains procedures for removing-refitting the steering wheel, the switchgear and wiring harness, and the steering column universal joint.

BRAKES
Downloading this app will help you understand how the braking control system functions, how to remove and refit the master cylinder, front brake calipers, rear brake calipers and hand brake shoes.

HEATING & AIR CONDITIONING
This App provides information on the heating unit, removing-refitting the passenger compartment fan unit, the air conditioning circuit, replacing the filter-drier, removing-refitting the compressor and removing-refitting the condenser.

AIRBAGS AND SEAT-BELT PRE-TENSIONERS
For an in-depth understanding of these two systems. You can find general information, safety instructions, autodiagnostic procedures, system activation checks, information on airbag control units, passenger airbag de-activation commands and side impact sensors.

ELECTRICAL SYSTEM
For a thorough understanding of charging circuit functioning logic, starting circuits and lighting systems.

WIRING DIAGRAMS
Simplified diagrams of electrical and electronic circuits, extremely useful for advanced troubleshooting.

BODYWORK
This App provides repair methods for interior linings, light and heavy bodywork. It also provides detailed information on removing-refitting front wheel arches, front and rear bumpers, light clusters, dashboards, wiper systems, etc.

And more besides!
BULLETINS AND REPAIR PROCEDURES
This extremely useful App helps you identify commonly occurring faults and provides detailed information on how to eliminate their causes as well as instructions on the replacement of components in the systems concerned.

REMOTE CONTROL AND KEY PROGRAMMING
This App describes key programming procedures for vehicle immobilizer systems (anti-theft and start prevention systems), procedures for programming and synchronising keys with central remote locking and alarm systems and procedures for changing batteries, all accompanied by clear illustrations, detailed instructions and useful tips.

CLUTCH REPAIR
This App provides extremely detailed clutch replacement procedures that are easy to follow thanks to clear illustrations. It also deals with special tools, lubricants and fluids, gearbox removal-refitting procedures and supplementary operations.

...and more in the development stage.

N.B. Check the availability of the abovementioned functions in your reference market.
A whole world of functions and services

IDC5 software provides a whole world of exclusive functions and services developed by TEXA’s R&D department. These include:

SMART SOLVED PROBLEMS
powered by Google® (by subscription)

SOLVED PROBLEMS is the amazing function that lets you complete vehicle repairs more quickly by following a specific procedure suggested by IDC5 software. Using Google’s exclusive search technology, you can quickly and easily access and consult a vast database of solutions, developed and verified by TEXA. These deal with faults encountered by mechanics all over the world and shared with the TEXA Call Centre. The information provided identifies the correct solution and even lets you order any necessary spare parts by connecting to the spares portal.

From today, this function is even more useful as you can follow a genuine guided diagnostic procedure. The SOLVED PROBLEMS portal now provides three dedicated buttons that give you direct access to Technical Documentation including Electrical Wiring Diagrams and Technical Bulletins, Device Links for analysing a wiring diagram component affected by an error and Component Testing. This added functionality provides important new resources for identifying the solution to a malfunction more quickly than ever before.

Another great new function developed by TEXA permits voice interaction with the AXONE Nemo to select the vehicle and system you are working on. The AXONE Nemo’s voice recognition software lets you identify vehicle model and find fault solutions simply by speaking.
Automatic Vehicle Search

The Vehicle Search function identifies the model you are working on precisely and rapidly. Quick and intuitive, the Vehicle Search function can be used in the following ways:

**VIN code search:** with the diagnostic tool connected to the vehicle's OBD socket, this function automatically retrieves the VIN and then selects the model of vehicle from the IDC5 software database.

**Engine number search:** in this case the vehicle is identified simply by entering the engine number.

**Registration number search:** this function lets you find and load data for any vehicle saved in IDC5's Customer Management database, simply by entering the complete or partial registration number.

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 autodiagnostics 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.
Technical Specifications

An extraordinary database containing details of all vehicles. Users can find detailed and comprehensive information on Mechanical Specifications, Wheel Alignment, Tyre Pressures, Timing Belt, Routine Maintenance, Component Locations, Component Testing and much more.

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.

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.

PASS-THRU*

This function lets you connect to the central server of any vehicle manufacturer 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.
Diagnostic solutions

TEXA's diagnostic solutions are based on the powerful AXONE S, AXONE 5 and AXONE Nemo display units and on the robust Navigator NANO S and NAVIGATOR TXTs vehicle interfaces. 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 S

The AXONE S is the first ever Multi Utility diagnostic tool. It is designed to satisfy the latest maintenance needs that have emerged as a result of constant technical evolution and the spread of electronics to all vehicle components. Today, not just technicians but tyre fitters, suspension tuners, fast-fit centres and even service station operators have to be able to connect with and diagnose electronic systems. Though it does not have all the same features as our top of the range tools, the AXONE S nevertheless shares the same extensive diagnostic coverage, and provides all the most important functions.

The AXONE S uses the Android™ operating system and is currently available in DIAGNOSIS, TPS/FAST-FIT configurations. Other configurations will be added in future.

The DIAGNOSIS utility: this simple diagnostic solution is perfect for workshops who want a second diagnostic tool to back up their main tool, or who want to equip all mechanics with a tool of their own.

The TPS/FAST-FIT utility: permits users to perform also essential repair and maintenance tasks on the braking, air conditioning, starting, steering, instrumentation and lighting systems and even adjust certain engine parameters. This configuration also performs extremely useful service resets.

AXONE S comes complete with a Navigator NANO S vehicle interface.
AXONE 5

AXONE 5 is the complete, easy-to-use tool for all the diagnostic operations in the CAR and BIKE environments. It has a 9.7 inch capacitive touch screen with a resolution of 2048x1536 pixels and a 5-megapixel camera with flash and autofocus. Inside, a quad-core ARM® Cortex® A9 processor provides the tool with high computing power. Thanks to the software IDC5a PLUS, AXONE 5 is quick and intuitive, the ideal solution for those who wish to have the utmost diagnosis available on the market with a limited investment.
AXONE Nemo

The AXONE Nemo is the most technologically complete and powerful display unit on the market today, with characteristics easily comparable to those of leading commercial tablets. Unlike a tablet the AXONE Nemo is incredibly tough and able to withstand severe shocks, including falls into water: thanks to a special TEXA patent, the Nemo is the world’s only PC-type device that floats*. The casing of the Nemo is made entirely from magnesium, a noble metal that stands out for its light weight and efficient heat dispersal. This high level of functionality is equalled by TEXA’s traditional attention to style: the Nemo is not just practical but attractive too. It is also packed with advanced technology, starting from an ultra-wide 12 inch capacitive touch-screen with the impressive resolution of 2160x1440, with tough Gorilla Glass protection. The heart of the Nemo is an Intel® Quad Core N3160 processor with 8 GB of RAM and 250 GB of storage. Connectivity is guaranteed by an advanced, double channel Wi-Fi system and a Bluetooth® 4.0 Low Energy module. The AXONE Nemo incorporates a full set of sensors, including a barometer, an accelerometer, a gyroscope, a compass, a light sensor and a GPS module. Another distinctive feature is the presence of two 5 megapixel cameras, one forward facing and one rear facing complete with flash/torch and autofocus.

* Impermeability and floatability are features that are available purchasing the special "AXONE Nemo Waterproof" version.
Navigator NANO S

The Navigator NANO S is the simplest of TEXA’s vehicle interfaces. This latest-generation vehicle interface from TEXA lets you run various diagnostics on cars, light commercials, motorcycles, scooters, quads and jetskis. Every aspect of the Navigator NANO S has been carefully designed and developed to fully satisfy the needs of the modern workshop and to allow technicians to complete all diagnostic tests quickly and easily.
The NAVIGATOR TXTs is the most powerful, highest performer of TEXA’s vehicle interfaces and lets you work in the CAR, TRUCK, BIKE, OFF-HIGHWAY 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.
TPMS solutions

European legislation requires that all vehicles destined for the transport of passengers must be equipped as standard with TPMS (Tyre Pressure Monitoring System). TEXA offers four different solutions for repairing tyre pressure monitoring system malfunctions, resetting dashboard warning lights and performing other tyre-related tasks in modern tyre fitting centres.
TPS

The TPS is TEXA’s basic tool for tyre-related operations. It boasts an exceptional coverage of makes and models as well as TEXA’s traditionally robust design and build quality. The TPS communicates with the valve sensors on each wheel, activates them if they are in standby and verifies their efficiency. The tool’s own display reads out pressure, temperature and battery charge level (where available), as well as the identification codes and other diagnostic information provided by the vehicle manufacturer. TPS lets you check the efficiency of tyre pressure sensors so that you can change them if necessary.

TPS 2

The TPS 2 is specially designed and made for complete, professional use with vehicle TPMS systems. Its most obvious characteristics include robustness, speed and user-friendliness. To obtain an immediate reading of a tyre pressure sensor, all you need to do is place the tool near the tyre. The TPS 2 boasts a generous, high resolution colour display that makes reading data and using the tool easy even in bright sunlight. A built-in Wi-Fi module also allows users to configure and connect to a network for downloading software updates and managing additional functionalities. The TPS 2 comes with Dual Mode Bluetooth for rapid communication with the TEXA interface connected to the vehicle and with a printer. This advanced connectivity also allows the TPS 2 to communicate with the latest low energy TPMS sensors. A powerful, 5 megapixel camera at the rear allows saving images to attach to customer reports. TPS2 is available in 2 configurations, stand-alone and with NanoService.
TPS KEY

This is the ideal solution for workshops that already own an AXONE Nemo or AXONE 5 and who want to expand their tool's diagnostic capacity by adding tyre related functions. The TPS KEY transforms the above mentioned tools into complete, high performance solutions for working with TPMS systems. Just plug the TPS KEY into your tool's USB port and the TPMS Repair app will guide you step by step through all the phases of the procedure you need to complete.

AXONE S TPS/FAST-FIT

The AXONE S TPS/FAST-FIT is the best solution available on the market today. This advanced tool can perform any task on tyre pressure monitoring systems, irrespective of the system type and configuration chosen by the vehicle constructor. Functions include the reprogramming of tyre management control units after one or more sensors have been replaced. Among the many advantages of this great tool are its robust design, solid build and a superb 5 inch capacitive colour touch screen that clearly displays all available functions and data. The potential of AXONE S TPS/FAST-FIT can be increased at any time by adding the DIAGNOSIS utility.

APP TPMS Repair

The TPS integrates perfectly with all the other TEXA diagnostic products in your workshop. The free “TPMS Repair” app can connect with any PC running TEXA IDC5 software or with AXONE Nemo and AXONE 5.
Solutions for the calibration of vehicle video cameras (ADAS)

Amongst the many electronic systems vehicles are equipped with, increasing importance is given to the Advanced Driver Assistance Systems (ADAS) such as park assist, lane guidance and emergency braking assist. With this in mind TEXA have developed the “Video Camera Calibration Kit” made up of several panels divided by make which, in combination with the diagnostic tool, allow a correct calibration of the sensors that are part of these systems.
Thanks to its “modular” architecture, TEXA’s solution allows you to create the best combination of calibration panels based on your professional needs. The software supplies instructions through embedded help files to ensure correct positioning of the panel and guides the technician step by step through all stages of the calibration process. The help sheets are specific for each make/model and are used for the setup of the panels (including the height of the panel, the distance from the vehicle, the alignment etc.). In order to provide the technician with the best support possible during the calibration, TEXA has also developed ADAS, a specific app that simplifies the selection of the correct vehicle and of the specific electronic system that must be calibrated, offering direct access to the functions:

- AUTOMATIC RADAR CALIBRATIONS*
- VIDEO CAMERA/PARK ASSIST

You may activate these applications by simply accessing the TEXA APP virtual store.

NOTE: not all makes and/or models need an external device in order to complete the calibration procedure. * The radar calibration functions currently available are automatic procedures and do not require the use of the panels.
TEXA ADAS kit: a complete range for vehicle safety

KIA/HYUNDAI Type 2
FIAT 500X
JEEP RENEGADE (front)

HONDA (front)
HONDA Type 2 (front)

MAZDA (front)
NISSAN/INFINITI (front)
NISSAN (front)

RENAULT/SMART
TOYOTA Type 1 (front)
TOYOTA Type 3-2 (front)

MERCEDES (front)
MERCEDES Type 1 (rear)
MERCEDES Type 2 (rear)
MERCEDES NIGHT VISION (front)

VAG (front)
VAG (rear)
ALFA GIULIA (front)
MAT PLUS
Universal calibration mat with laser levels
The TEXA ADAS kit lets you work with maximum precision on vehicles equipped with video cameras (front and rear) and radar to restore the correct functioning of these driver assistance systems.
Electrical diagnostics

In many cases, autodiagnostics cannot provide the answer. If a vehicle's ECUs have no errors logged, the problem may well lie in an electrical or mechanical failure. Conventional diagnostics are needed in these circumstances and analog and digital measurements are taken to determine the efficiency of components like the battery, sensors, actuators and CAN network. TEXA’s UNIProbe and TwinProbe interfaces let you make all the physical measurements you need to perform a conventional diagnosis and identify potential faults.
The UNIProbe and TwinProbe are two devices for acquiring the analogue and digital measurements needed for conventional diagnostic testing.

**UNIProbe**

The UNIProbe includes:
- Oscilloscope: four independent analogue channels, complete with SIV function for interpreting measured signals.
- Battery Probe: for testing the battery, analysing and checking the entire starting and charging system.
- TNET: for the measurement and electrical analysis of CAN automotive communication networks.
- Signal Generator: for simulating the pulses generated by sensors and the commands generated by control units and testing solenoid valves and other components.
- Multimeter: for voltage, resistance and current measurements (using a clamp-on ammeter).
- Pressure Tester: for checking fuel supply and turbocharger pressure on all vehicles.

**TwinProbe**

The TwinProbe includes:
- Oscilloscope: two independent analogue channels with inputs up to ± 200V, complete with SIV function for interpreting measured signals.
- Signal Generator: for simulating the pulses generated by sensors and the commands generated by control units and testing solenoid valves and other components.
- Ammeter: for measuring currents. A BICOR clamp-on ammeter is needed to allow TwinProbe to run these tests.
KONFORT A/C RECHARGE STATIONS for R1234yf, R134a and R744 (CO$_2$)

The KONFORT 700 range includes 10 models with different specifications and operating modes, for servicing vehicle air conditioning systems containing R1234yf, R134 or CO$_2$.

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 KONFORT range features a total of 10 registered international patents. The components used all have exceptional characteristics and guarantee refrigerant recovery efficiency in excess of 95%. The neat design combines easy handling, sturdiness and safety to make all maintenance operations simple and easy.
THE KONFORT RANGE IS APPROVED BY:

- AUDI
- BENTLEY
- BMW
- BUGATTI
- CHEVROLET
- HYUNDAI
- JAGUAR
- KIA
- LAMBORGHINI
- LAND ROVER
- MAZDA
- MERCEDES-BENZ
- MINI
- MITSUBISHI
- NISSAN
- OPEL
- PORSCHE
- RENAULT
- SEAT
- SKODA
- SUBARU
- SUZUKI
- TOYOTA
- VOLKSWAGEN

Check with your TEXA Distributor the model and type of refrigerant recommended from each individual car marker listed.
KONFORT A/C recharge stations for R744 (CO₂)

744
The KONFORT 744 is designed and made to work with the latest A/C systems containing CO₂. The service station is fully automatic and capable of completing the entire service procedure without input from the operator. It also achieves the highest possible levels of precision. In fact, the quality of its components and the accuracy of its design permit recharging to be completed to a maximum tolerance of only 10 grams (2 grams for oil). Special attention has also been paid to the system for releasing CO₂ into the atmosphere. This takes place in a controlled manner to ensure the safety of the operator and of the system itself. The KONFORT 744 also incorporates an accurate system for measuring the concentration of CO₂ in the surrounding air, and suspends charging if this approaches a dangerous level.

KONFORT A/C recharge stations for R1234yf

707R
This new A/C recharge station works with R1234yf refrigerant. Essential and simple to operate, it nevertheless incorporates all the latest design solutions. It is fully automatic and guarantees excellent efficiency and safety. Compared to the competition, this recharge station stands out for its advanced features: the filter dryer that lets you perform approx 300 system services; scales locking system; alphanumeric keyboard; 4 castors; and a maintenance log with data on all services completed.

770S
TEXA developed the KONFORT 770S to meet the rigorous specifications of German vehicle manufacturers. This model works only with the new R1234yf refrigerant. It has been homologated by TÜV Rheinland, the leading international certification body. The 770S is equipped as standard with a Refrigerant Identifier Kit, an exceptional device capable of recognising what type of gas is contained in an A/C system.
KONFORT A/C recharge stations for R1234yf and/or R134a

720R
This model can service all car, commercial, truck and off highway A/C systems but comes at a highly competitive price. It features automatic refrigerant recovery and recycling and oil drain functions. Oil and UV tracer volumes are monitored by an automatic system, leaving you to perform only a few simple manual operations. The 720R can be delivered preconfigured for the old R134a or the new R1234yf refrigerant.

760R and 760R BUS
The 760R incorporates TEXA’s most advanced technology: it is equipped with hermetically sealed oil/UV bottles, a fully automatic maintenance management system, scale locking device and automatic verification of correct refrigerant weight. The KONFORT 760R can be pre-configured for use with either R134a or R1234yf. One of the most interesting optionals for this model is the Refrigerant Identifier Kit. The 760R is also available as the 760R BUS, for use with larger vehicle A/C systems.

780R
This amazing recharge station is the top of the KONFORT Series and offers technicians the ultimate in performance and in the number of jobs it can handle. The KONFORT 780R can work with both 134a and 1234yf refrigerants, switching from one type to the other in next to no time thanks to two separate tanks and a sophisticated flushing system that effectively and safely cleans out all the pipes. When equipped with the Refrigerant Identifier Kit, this is the best recharge station on the market today and offers workshops the ultimate in performance.
See the catalogue for the KONFORT 700 SERIES for details of all available accessories.
KONFORT A/C recharge stations for R134a

705R and 705R OFF ROAD
The KONFORT 705R is the "entry level" recharge station for air conditioning systems using with R134a refrigerant. Though easy to use and attractively priced, the KONFORT 705R can handle all common refrigerant recovery and recharging operations. It is the ideal solution for workshops that need to offer their customers impeccable service while keeping a close eye on operating costs. This model is also available in an OFF ROAD version with larger rear wheels and a metal bar for improved stability and easier use on rough surfaces.

710R
Though it is the entry level model, the 710R offers all the key functions of the KONFORT 700 Series, including automatic leak detection, electronic refrigerant weighing, automatic timed oil and UV tracer injection, and high efficiency refrigerant recovery.

Main accessories

Refrigerant Identifier
The innovative Refrigerant Identifier, developed by TEXA, is the only kit of its kind currently made in Europe. It comes as standard equipment on the KONFORT 770S and as is available as an option on all other versions (except the 705R, 705R OFF ROAD, 710R and 720R). Protected by three registered international patents, the kit guarantees the purity of R134a and R1234yf refrigerants, stops technicians performing operations that might prove hazardous and prevents the dangerous mixing of different refrigerant types.

NanoService CLIMA
TEXA's KONFORT recharge stations can also perform a complete autodiagnosis of A/C systems, detecting errors, parameters and settings. This exceptional result is possible by integrating the practical and advanced NanoService diagnostic tool with the AC service station over a Bluetooth link. This integrated solution uses the KONFORT station's own display as a monitor to switch quickly and easily from conventional servicing to autodiagnosis of the A/C system, letting you offer your customers a more professional service.
Emissions Diagnostics

The TEXA solution for exhaust gas analysis includes a series of tools for performing all the tests and analyses currently required by emission control legislation: GASBOX Autopower, OPABOX Autopower, GAS Mobile, MULTI PEGASO, RC2, RC3, RCM.
Future-proof solutions for PTI center

Exhaust gas analysis is one of the most delicate and important phases in the mandatory testing of old and new motor vehicles. In recent years, advances in technology have led to the development of vehicles that are far more efficient in terms of exhaust gas emissions. Even these vehicles, however, need to be tested and certified to ensure that their emissions remain within the limits established by law. As time passes, emission limits are also becoming stricter, requiring the use of advanced technology to carry out the necessary tests. The demand for exhaust gas analysis tools is therefore constantly growing, not only from authorised vehicle test centres but from conventional garages too. TEXA has the solutions to satisfy that demand. TEXA’s innovative exhaust gas analysis products are designed for use by test centers and garages performing pre-test checks. These easy to use tools incorporate TEXA’s own, patented measuring technology and ensure accurate and reliable exhaust gas analysis in conformity to the latest emission control standards. Bluetooth communication technology and TEXA’s Autopower battery technology mean that these tools can be used without any awkward cables. All TEXA exhaust gas analysis tools come with a practical trolley for easy mobility around the workshop without having to lift and carry them.
The GASBOX and OPABOX both come with a practical trolley for easy movement around the workshop. Standard Bluetooth connectivity and the optional Power Pack (external battery pack) make it possible to use both units in a totally wireless way.

**GASBOX AUTOPOWER**
Exhaust gas analyser
The GASBOX Autopower is an exhaust gas analyser for the measurement of CO, CO₂, O₂, HC (and optionally NO) in petrol and gas fuelled vehicles. It is homologated by the Italian Ministry of Transport for use in vehicle test centres on light and heavy vehicles.

**OPABOX AUTOPOWER**
Opacity meter
The OPABOX Autopower verifies the opacity of exhaust emissions from vehicles powered by diesel engines. Its sensors can measure opacity from light and heavy vehicles. OPABOX Autopower is homologated according to the latest standards.
MULTI PEGASO GAS and GAS MOBILE

The MULTI PEGASO is an exhaust gas analysis and control station for conventional vehicle repair shops. The station comprises a dedicated controller with the latest generation processor, and comes with Bluetooth and Wi-Fi communication modules.

The GAS Mobile is a lightweight and compact portable device featuring a high-visibility graphic LCD display used to test all types of engines, running on petrol, diesel or alternative fuels. It exploits Bluetooth wireless technology to communicate with OPABOX Autopower, GASBOX and the RC2 and RC3 engine speed and temperature gauges.

RC3, RC2 and RCM

The RC3 is a universal rev counter for use with light and heavy vehicles. It incorporates two data acquisition systems: Battery ripple and OBD cable. As an option, it can also be used with an inductive clamp or piezoelectric sensor. RC3 supports EOBD protocols: ISO 9141, KW2000, PWM, VPW, CAN BUS and the recent WWH-OBD.

The RC2 is a rev counter for cars. It comes with a Battery Ripple sensor but can also be used with an inductive clamp or piezoelectric sensor (both available as options).

The RCM is an exclusive motor vehicle rev counter from TEXA that uses an innovative directional antenna to measure engine speed with great accuracy. The RCM is ideal for use with fully faired motorcycles on which it is not possible to use an inductive clamp.
Technical Training

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.
**D9C**
Camera diagnosis and calibration

Know the technical features and the operating modes of the Camera Calibration Kit made up of several panels, divided by make, which allow a correct calibration of the sensors that monitor these systems. Be able to carry out the diagnostic procedures, fault searches, know how to interpret errors, parameters, statuses, activations and adjustments.

**CONTINUOUS TRAINING**

New technologies and advanced repair methods
Edition 2017

The annual update includes the technical training course New technologies and advanced repair methods and the insurance policy that protects the workshop and the vehicle repairer against possible malfunctions or damages following repairs.

**ADAS**
Advanced diagnosis and calibration of driving assistance systems

Technical features and operating modes of the advanced driver assistance systems, position and functions of the RADAR, LIDAR, infrared camera, ultrasonic sensor technologies. Operating principle of the Park Assist, Lane Departure Warning, Adaptive Cruise Control, Forward Collision Warning, etc. systems. Practical examples of static and dynamic calibration using the technical instrumentation and self-diagnosis.
D10.S
SUPERCAR maintenance and configuration

This course aims to give participants the skills needed to correctly maintain vehicles in the supercar category using TEXA diagnostic tools. Following a description of the vehicles covered, the course presents the following topics: dry sump lubrication; SUPERCAR braking systems; Marelli F1 gearbox functioning; battery positioning and the management of starting and recharging. The following maintenance procedures are illustrated: replacing carbon ceramic brake pads; changing engine oil; changing gearbox oil; replacing the clutch; replacing the battery; bleeding the brake system; bleeding the clutch system; adjustment and calibration of gearboxes with Marelli control systems.

D11C
Diagnostic techniques using PASS-THRU functionality

Learn diagnosing and programming methods using the PASS-THRU J2534 and ISO22900 protocols that define the characteristics of standard ECU (electronic control unit) programming interfaces for software and hardware components, as established by Euro 5 standard for light vehicles and Euro 6 for commercial vehicles. Learn the accreditation methods adopted by vehicle manufacturers to permit access to the information needed to update the SW of one or more control units in the case of malfunctioning. This course illustrates the accreditation procedures of specific manufacturer websites for using PASS-THRU functions and consulting specific maintenance information.

D3.5C vol.4
Diagnosis, resetting and configuration techniques

Learn the architecture and functioning strategies of various latest generation electronic systems, how to diagnose and program them and, above all, when and how to use the different configurations required by the manufacturer to ensure an effective approach to fault diagnosis. Learn the most common diagnostic, resetting and configuration procedures performed with a diagnostic tool after the servicing or repair of a vehicle’s electrical or mechanical components.

G13c
Euro 6 engines and new emission reduction technologies

Learn how to perform correct maintenance procedures on AdBlue™ systems and how to check the latest generation of emission control systems. Learn about Euro 6 standard and how to access information using PASS-THRU protocol. Learn the components and repair and diagnosis strategies of the latest devices fitted to engines to ensure conformity to Euro 6 standard, including CR piezo injectors, combustion chamber pressure sensor, particulate sensors, EGR systems, combustion monitoring systems. Learn how to replace AdBlue™ liquid and reset systems.
G14c
The diagnosis and maintenance of the AdBlue™ systems of BMW, Audi and Mercedes

Learn the diagnostic techniques and procedures for checking the different SCR/AdBlue™ systems. Learn the correct way to maintain AdBlue™ systems and the latest generation of emission reduction systems. How to check for leaks in the dosing circuit and how to check the correct functioning of injectors and the NOx control sensor. The course includes practical examples based on components of the AdBlue™ systems used by Mercedes, Audi, Volkswagen and BMW.

G15c
The evolution of starting and recharging systems, and energy management with new accumulators

Learn how to recognise the different design features and characteristics of the most common batteries, and how to repair common battery faults through electronic diagnosis using an oscilloscope and autodiagnostics. Learn about vehicle energy management systems, how to replace the latest generation of batteries, especially in vehicles with Start&Stop. The course includes practical examples of battery settings on vehicles of the VAG and FCA groups.

PES/PAV QUALIFICATION: hybrid and electric vehicle safety

Obtain the qualification needed to perform work involving electrical risks on electrical or hybrid vehicles according to CEI EN 11-27 standard, necessary to comply with the requirements of Legislative Decree 81/2008 governing the safety of workers. According to standard CEI 11-27, edition III, electrical work may only be carried out by a Skilled Person or an Instructed Person.

PES, PAV, PEI UPDATE
QUALIFIED ELECTRICAL REPAIR PERSONNEL - IEC 11-27

This course is intended for Skilled Persons, Instructed Persons and Authorised Persons working on dead or live electrical systems up to 1000 V a.c. and 1500 V d.c. or performing activities in proximity to such systems, or working on dead high voltage systems or in proximity to them. This refresher course illustrates the laws and standards governing electrical safety, procedures for working on live and dead circuits or in proximity to them.

S8c
Diagnosis and maintenance of dual clutch gearboxes

Learn about different types of dual clutch gearbox and their principles of functioning. Acquire the skills needed to maintain dual clutch gearboxes and learn what settings can be made with a diagnostic tool. Learn the functioning logic of the control unit and how to diagnose faults or malfunctions correctly.

Verify the availability of courses in your own country.
TEXA was established in Italy in 1992, and today is one of the world's leading names in the design and production of multibrand diagnostic and telediagnostic tools, exhaust gas analysers and air conditioning maintenance stations.

TEXA operates virtually all over the world through an extensive distribution network. In Spain, France, Great Britain, Germany, Brazil, the United States, Poland, Russia and Japan, TEXA markets its products directly through its own subsidiaries. TEXA employs some 600 people around the world, including over 100 engineers and specialists working in Research and Development.

TEXA has won many international awards over the years, including the Innovation Award at Automechanika in Frankfurt (2010 and 2014), the "Award of Awards" for the most innovative company in Italy, presented by the President of the Republic, Giorgio Napolitano (2011), the Irish Automotive Innovation Award (2014) and the Golden Key Award in Moscow (2014 and 2015). In 2015, MIT Technology Review classed TEXA as one of the ten most "disruptive" companies in Italy. Also in 2015, TEXA won the Frost & Sullivan “European Commercial Vehicle Diagnostics Customer Value Leadership”.

All TEXA tools are designed, engineered and built in Italy, using modern automated production lines which guarantees maximum precision. TEXA focuses careful attention on product quality, and has obtained certification in accordance with the strict ISO TS 16949 requirements for suppliers of original equipment to the automotive industry.