

# AUTOMOTIVE

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July 2019

- Auto Diagnostic tools
- Air Conditioning Station
- Hand tools and Storage
- Automotive Lifting Equipment
- Fluid Management
- Tire Equipment
- Other Equipment



X431 PAD V



**Electa  
Equipment**



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Electa – Automotive equipment



NAVIGATOR TXB Evolution



Air Conditioning Machine



7-drawer tools trolley with  
MIS system

## WHAT is the best professional automotive diagnostic Scanner ???

An automotive **scan tool** (scanner) is an electronic tool used to interface with, diagnose and, sometimes, reprogram vehicle control modules.

### What is J2534?

SAE J2534 is a standard for communications between a computer and a vehicle. Government regulations require all automakers provide a J2534 service to everyone in the U.S. for re-flashing emissions related controllers. If you own a SAE J2534 Pass-Thru device, you can re-flash and, in some cases, diagnose vehicles with factory functionality.

Since the introduction of OBDII and leading up to modern Hybrids and EV's, computers and software in cars have been expanding at an exponential rate. In-car software is becoming one of the leading needs for service, and updating software may be the only way to fix some of these issues: drivability, fuel efficiency, power loss, fault codes, and durability of mechanical parts.

1. Oil Reset Service
2. Steering Angle Calibration
3. Electronic Parking Brake Reset
4. Battery Register
5. Battery Maintenance
6. ABS Bleeding
7. Electronic Throttle Position Reset / Learn
8. Diesel Particulate Filter (DPF) Regeneration
9. Tire Pressure Monitor System Reset
10. Tooth Learning
11. Anti-theft Matching / Key Programming

## Autologic DrivePro



- Fault read/ clear
- Global Fault red/ clear
- Service interval reset
- Live data and actuations
- Electronic brake pad replacement
- Selective catalytic reduction SCR reset
- Steering angle calibration
- Ride height calibration
- Engine adaptation calibration
- Key coding and remote adaptation
- Technical help files



**DrivePRO** is a multi-function diagnostics platform that combines Autologic's diagnostic software and Remote Assist Programming (RAP®) with expert technical support from our OEM-trained master technicians.

DrivePRO provides outstanding usability and effectiveness, with market-leading functionality, vehicle coverage and technical detail. Driven by our unique software, it means faster and more accurate fault resolution.

<b>ACURA</b>	<b>INFINITI</b>	<b>PEUGEOT</b>
<b>AUDI</b>	<b>JAGUAR</b>	<b>PORSCHE</b>
<b>BMW</b>	<b>JEEP</b>	<b>RENAULT</b>
<b>CHRYSLER</b>	<b>KIA</b>	<b>SCION</b>
<b>CITROEN</b>	<b>LAND ROVER</b>	<b>SEAT</b>
<b>DACIA</b>	<b>LEXUS</b>	<b>SKODA</b>
<b>DODGE</b>	<b>MAZDA</b>	<b>TOYOTA</b>
<b>FORD</b>	<b>MERCEDES-BENZ</b>	<b>VOLKSWAGEN</b>
<b>GM</b>	<b>MINI</b>	<b>VOLVO</b>
<b>HONDA</b>	<b>MITSUBISHI</b>	
<b>HYUNDAI</b>		

## X-431 PAD V



SmartBox 3.0

Processor	8 core Cortex-A53 2.0GHz
Cache	4GB
Hard Disk	64GB, 128G extended
System	Android 7.1
Screen	10.1 inch full-fitting, sunlight readable screen (Gorilla Glass)
Resolution	1920*1200
Camera	Rear13 Megapixels, front 8 Megapixels
Diagnostic Mode	Wi-Fi
Dimension	320×211×46mm

## LAUNCH

service lamp reset, throttle adaptation, steering angle reset, brake pad reset, tire pressure reset, anti-theft matching, ABS bleeding, battery matching, gear learning, injector coding, DPF regeneration, sunroof initialization, headlamp matching, suspension matching and AT matching, EGR Adaption

Diagnostic feedback: For model software and function errors met during the use, please submit the feedback immediately. LAUNCH will response as soon as possible.

## X-431 PAD III V2.0









PADIII V2.0 is a high-end diagnostic equipment that supports "intelligent diagnosis" and "online programming".

Online programming: Support online programming for Mercedes-Benz, BMW, GM, FORD, VW and AUDI as well as the boot function for VW and AUDI.

### Wide model coverage

Able to detect more than 90% of models from America, Europe, and Asia, and provide full-system, full-function software diagnostics for tens of thousands of passenger cars worldwide.

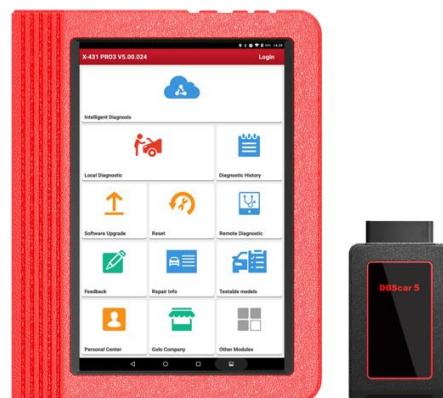
Support total 15 kinds of **special functions**, including service reset, throttle adaptation, steering angle reset, brake pad reset, tire pressure reset, anti-theft matching, ABS bleeding, battery matching, gear learning, injector coding, DPF regeneration, sunroof initialization, headlamp matching, suspension matching and AT matching

 1920X1200 10.1" Capacitive Screen	 15000mAh Battery	 Communication: Bluetooth/Wi-Fi
 2.0 GHZ 8--core	 64GB Storage	 Camera 2 MP(Front) 8 MP(Rear)

## X-431 PRO



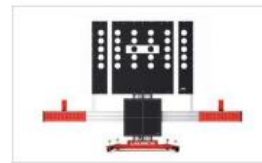
## X-431 PRO3



	X431 Pro (V3.0)	X431 Pro3 (V3.0)
Operating System	Android 7.1	Android 7.1
Display	8" IPS/1280x800	10.1" IPS/1280x800
CPU	1.4GHz Quad-core	1.4GHz Quad-core
RAM	2GB	2GB
ROM	16GB	16GB+32GB SD
Camera	Rear 5mp	Rear 5mp
Size	231 X 165 X 30mm	264 X 210 X 30mm
Heavy Duty Diagnosis	Not Support	Optional
ADAS Calibration	Not Support	Optional
TPMS Sensor Activation/ Programming	Not Support	Not Support

## X-431 ADAS

X431 ADAS, the Advanced Driver Assistance System Calibration Tool. It was designed to calibrate ADAS the-Camera and radar-sensors of the vehicles. It mainly consists of calibration frame, wheel clamps (x2), calibration panel, radar reflector and so on, centering the position between the calibration vehicle and panel. It applies to the situations that the vehicle of sensor or radar was removed, replaced or repaired. Based on meeting users' requirement, X431 ADAS can solve re-calibration of ADAS



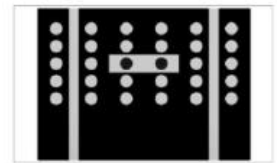
Calibration Frame



Wheel Clamps/Laser Module



Radar Reflector/Magnetic Laser



Calibration Panel

**Support Brands:** Mercedes Benz, BMW, Audi, Volkswagen, Land Rover, Jaguar, Volvo, Fiat, Opel, SEAT, Skoda, GM, Ford, Chrysler, Renault, Citroen, KIA, Hyundai, Toyota, Lexus, Honda, Acura, Nissan, Infiniti, Mitsubishi, Subaru, Suzuki, Daihatsu, SMART, MINI, Peugeot.

## X-431 HD III Heavy Duty Module

The new LAUNCH heavy duty module is perfect for a shop that works on heavy duty (Class 4 through 8) and medium trucks. It can read the vehicle data via Bluetooth/ Wi-Fi communication or USD connection. Moreover, the module can work with X431 PADII and PADIII to expand the diagnosis to HD Truck vehicles and can diagnose vehicle from 12V to 24V.



**Vehicle brands:** Benz, MAN, VOLVO, DAF, Scania, IVECO, Renault, Freightliner, International, Kenworth, Peterbilt, Sterling, Western Star, Mack, HINO, FUSO, Isuzu, UD etc.....

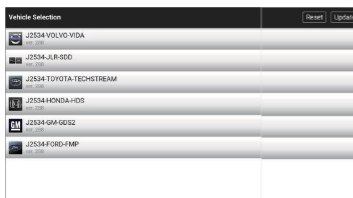




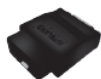
## iSCAN 3



Provides a powerful tool for vehicle diagnostics. The intuitive user interface makes it easy to connect and diagnose vehicles.



### BASIC Functions



#### Vehicle Diagnostic

Package includes diagnostic, setting, programming and coding functions for Asian Cars, European Cars, US Cars, Supercars, and Trucks.



#### Technical Hotline

Through remote control software, distributors or tech-support team can remotely operate iSCAN3 and perform necessary functions.



#### J2534

Supports J2534 interface standards to work with vehicle OBDII systems.



#### Software Update

Connect iSCAN3 to Internet then select [Upgrade], system will detect if new software updates are available.



#### Support On Demand (SOD)

SOD offers capability for distributors or tech-support team to remotely utilizing licensed OEM software to perform diagnostic, programming, coding, or repair guide.



#### Setting

For basic system setting and iSCAN3 system information.

## VEDIS 3 PLUS



- Online diagnosis supports more than 40 vehicle makes
- Always up to date from online database
- Multi-language available

### Diagnostic On-Line

Connect Vedis3 Plus to Wi-Fi, using Diagnostic On-Line to perform vehicle diagnostic and basic vehicle settings



## VEDIS 3

- Comprehensive Market Coverage, supporting more than 40 vehicle makes
- Advanced Hardware with All-in-one Integrated Multiplexer
- Superior Connection Speed for Fast Service
- Continuous Software Updates via the Internet A User-Friendly Affordable Vehicle Diagnostics Solution
- Designed and Packaged to fit your budget
- Powerful diagnostics for the Automotive repair facility that desires to have coverage for multiple vehicle makes



Diagnosis



J2534



Support On Demand (SOD)



Technical Hotline (THL)



UPDATE

## PSM-01 VEHICLE POWER STABILISER

### Regulating Battery Voltage during Diagnosis and ECU Programming

Fixed output voltage: 14V

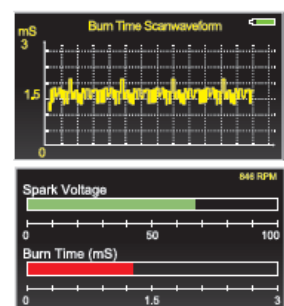
Output current: 70A (max 110A)



## IG-M1 Ignition Tester

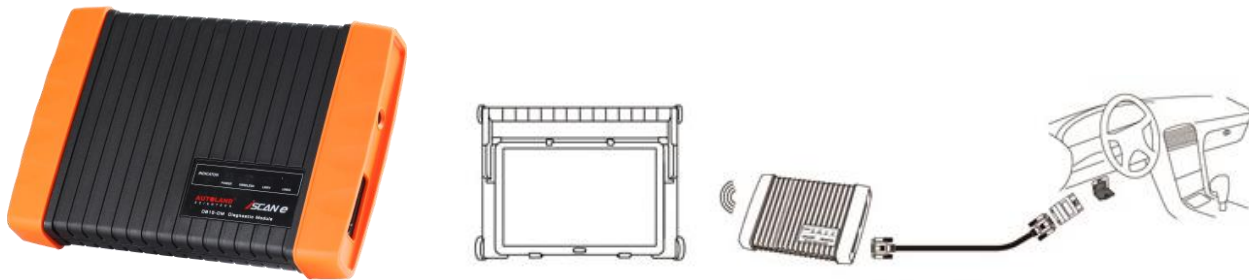
- Measures spark voltage % and spark burn time mS
- Special antenna sensor allows quick testing of Coils
- For use with:

- Any Distributor Type
- Single Direct Ignition System
- Dual Direct Ignition System



## iSCAN e

- Intuitive vehicle data searching system
- Multi-Language available
- An Affordable and flexible payment option
- Always Up-to-date software from online database
- Diagnose like dealer via Android tablets or Smartphone



## CA-15 ScopeMeter



### Dual Mode

- Multimeter with digital reading
- Oscilloscope with Waveform

### Test all ECU's Input and Output on:

- Sensors & Devices
- Charging System
- Engine ignition System: primary and secondary (with IG-M1 for Ignition secondary testing)

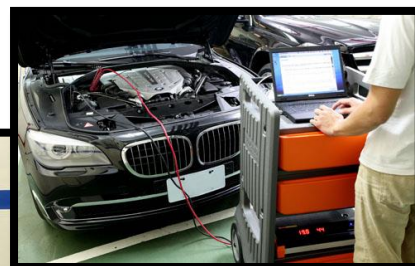
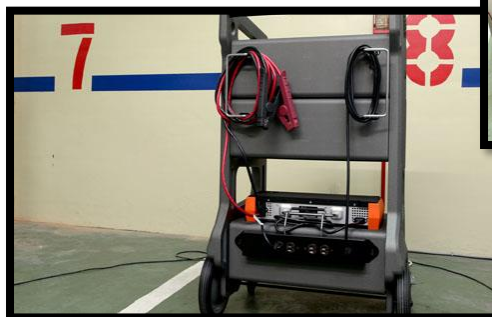
### Expanded Functionality

- Vacuum Gauge, Current Clip, Pressure Meter, etc.

## DC-1 DIAGNOSTIC CART



Carrying capacity up to 50kgs  
Dimensions:  
L: 670mm x W:570mm x H:1110mm



- Convenient shelves for laptop, scan tools and battery stabilizer
- Durable plastic construction (keeps electronics safe from electrical shock and dirt/ dust, easy to clean)
- Lockable roller mechanism keeps the cart in place
- Large storage space
- Smart cable bundle frame allows easy organization of network, power cords and other cables and adaptors

## FOR TRUCK

TEXA is world leader in TRUCK diagnostics with an unrivalled range of products. The NAVIGATOR TXTs is a powerful diagnostic interface that can connect over a Bluetooth link to a PC or to the extraordinary AXONE Nemo, the most advanced and complete display unit currently available. MULTI PEGASO is the ideal multi-purpose workstation for TRUCK workshops too.



TEXA



ADAS systems (Advanced Driver Assistance Systems)



NAVIGATOR TXTs



AXONE Nemo



MULTI PEGASO 3



## FOR CAR

TEXA boasts an extremely wide range of diagnostic products for the Car environment, including the various versions of its famous NAVIGATOR interfaces, and the brand new AXONE Nemo display.

The MULTI PEGASO station provides an ideal solution for integrating diagnostics and exhaust gas analysis. All TEXA products are easy and intuitive to use, robustly made and equipped with the latest and most advanced technologies.

TEXA products are made entirely in Italy on ultra-modern, automated assembly lines and conform to the strictest certification standards.



ADAS systems  
(Advanced Driver  
Assistance Systems)



NAVIGATOR TXTs



AXONE Nemo



AXONE 5



Axone S



Navigator Nano S



MULTI PEGASO 3

## FOR BIKE

TEXA maintains its unquestioned leadership of the BIKE sector (motorcycles, quads, jetskis, snowmobiles and ATVs) with the NAVIGATOR TXB Evolution interface and with the Navigator NANO S. Both tools are able to connect via Bluetooth to a PC or to the extraordinary AXONE Nemo and AXONE 5.



NAVIGATOR TXB  
Evolution



NAVIGATOR TXTs



AXONE Nemo



AXONE 5



Navigator Nano S



MULTI PEGASO 3



## MongoosePro®

Your J2534, OEM-specific, programming & diagnostic solution.



**FORD**



**GM2**



**Honda**



**ISO/ CAN 2**



**Nissan**



**Toyota 2**



**Audi/ VW**



**Honda Bluetooth**



**Toyota 2 Bluetooth**

## MULTICHARGER 1500



Output Power	<b>1500 Watt</b>
Charging current	<b>12V/80A, 24V/40A</b>
Charging current max	<b>100 A</b>
Charing voltage	<b>12V, 24V</b>
Supply voltage automatically	<b>100-240V</b>
Dimension (L x W x H)	<b>315 x 320 x 110mm</b>

## ACCTIVA PROFESSIONAL FLASH



ACCTIVA Professional Flash	Professional Flash
Max. charging current / max. boost current	70 A
Battery capacity	10 - 250 Ah
Mains voltage +/- 15 %	230 - 240 V
Max. power consumption	1230 W
Nominal charging voltage	12 V
Final charge voltage (depends on selected characteristic)	13.5 - 16.2 V
Charging characteristic	IUoU / IUloU / IU
Dimensions (l x w x h)	315 x 200 x 110 mm
Weight	5 kg
Marks of conformity	CE, TÜV NSW (Australia)
Length of charger lead	5 m



## AC 930 AUTOMATIC UNIT FOR RECOVERY, AC SYSTEM FLUSH, VACUUM AND RECHARGE

Is a unit specifically conceived for the maintenance of air conditioning circuits of vehicles using refrigerant R134; it complies with the strictest regulations of safety and efficacy



## AC 1000 FULLY AUTOMATIC RECOVERY, AC SYSTEM FLUSH, VACUUM AND CHARGE UNIT

The AC 1000 is a unit specifically conceived for the maintenance of air conditioning circuits of vehicles using refrigerant R1234yf; it complies with the strictest regulations of safety and efficacy



## AC 960 FULLY AUTOMATIC UNIT FOR RECOVERY, AC SYSTEM FLUSH, VACUUM AND RECHARGE

Is a unit specifically conceived for the maintenance of air conditioning circuits of vehicles using refrigerant R134; it complies with the strictest regulations of safety and efficacy.

Professional units dedicated to the most demanding operators who need a precise and efficient system for all vehicles; the 22 liters tank guarantees a long autonomy



Technical Data	AC930
Vacuum pump	130 L./min
Vacuum	0.2 mb
Recovery rate	300 g/min
Storage cylinder	12 Lt.
Resolution gas scale	10g
Display	16 x 2 lcd.
Languages	12
Charging hoses	180cm
Leakage detection	YES
Oil injection	Automatic
Discharge incondensable	YES
Printer	Optional
Keyboard	7 key
Manometers	63mm
Cylinder manometer	YES
Database	YES
Dehydrating filters	1 Cap
Voltage	230/50 1ph

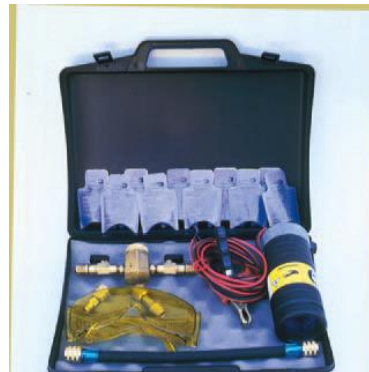
Technical Data	AC960	AC1000
Vacuum pump	130 L./min	130 L./min
Vacuum	0.2 mb	0.2 mb
Recovery rate	300 g/min	300 g/min
Storage cylinder	22 Lt.	22 Lt.
Resolution gas scale	1g	1g
Oil scale resolution	1g	1g
Display	123 x 42 mm	123 x 42 mm
Languages	12	12
Charging hoses	300cm	300cm
USB	YES	YES
Leakage detection	YES	YES
Cycles back up	YES	YES
Oil injection		
Discharge incondensable		
Printer	YES	YES
Keyboard	7 key	7 key
Manometers	80mm	80mm
Cylinder manometer	YES	YES
Heater	YES	YES
Filter dryer	2	2
Tracer	Optional	Optional
Database		
Dehydrating filters		
Voltage	230/50 1ph	230/50 1ph

## ELECTRONIC LEAK DETECTOR



- 7 levels of sensitivity
- Immediate time response
- Sensitivity 3 gr/ annum

## 12V-ULTRAVIOLET LEAK DETECTOR KIT



- UV-shield enhancer glasses
- 10 bottles of universal A/C dye
- Injector
- Flexible adapter
- Rugged carrying case
- Quick couplings

## REFRIGERANT OIL CHECKER



Check the oil level





## **KONFORT 705R OFF ROAD FOR R134a**

Complete with LCD display 10kg internal tank, 100 L/min vacuum pump, PUNCTURE FREE REAR WHEELS. Equipped with SD memory card including vehicle DATABASE and SD card reader

## **KONFORT 707R for R1234yf**

Complete with LCD display 10kg internal tank, 100 L/min vacuum pump, equipped with SD memory card including vehicle DATABASE and SD card reader



## **KONFORT 720R FOR R134a or R1234yf**

Complete with LCD display, 12kg internal tank, 100 L/min dual-stage vacuum pump, equipped with PVC Cover, refrigerant kit, SD memory card including vehicle DATABASE and SD card reader

## **KONFORT 760R FOR R134a or R1234yf**

Complete with LCD display, 20kg internal tank, 100 L/min dual-stage vacuum pump, equipped with PVC Cover, refrigerant kit, SD memory card including vehicle DATABASE and SD card reader



## **KONFORT 760R BUS FOR R134a or R1234yf**

The 760R BUS specifically developed for larger systems. Is equipped with a 30Kg internal storage tank, a larger 21cc compressor for refrigerant and a 146l/min dual stage vacuum pump, able to generate depression of 0.030 mbar.

## **KONFORT 780R Bi-gas FOR R134a and R1234yf**

The 780R incorporates two separate tanks and two separate circuits for recovery, recycling and servicing. It can therefore function with both refrigerants (the old R134a and the new R1234yf) simultaneously.



## KONFORT 770S FOR R1234yf

The KONFORT 770S is equipped with an automatic leak control system. Linked to EN837 Class 1 certified gauges with an impeccable precision. The refrigerant scale guarantee that errors will not exceed +/- 15gr.



## KONFORT 744 FOR CO2

conforms to the strictest industry standards governing air conditioning maintenance and recharge systems for the new R744 (CO2) refrigerant.

## AIR CONDITIONING SERVICE STATION



Compatible for R134a  
Power 750W  
Recovery capacity 300g/min  
Filling ability 800g/min  
Vacuum pump capacity 5.4m<sup>3</sup>/h  
Storage tank capacity 10kg  
Net weight 85kg  
Product size 670\*640\*1300

Product Function : Refrigerant Recovery, A/C System

Flushing, Vacuum & Recharge

Fully automatic operation

Color LCD display;

User friendly Menu Selection

Operation and equipment maintenance tips;

Automatic discharge of refrigerant oil;

High / low voltage protection function;

Self-discharging tank, non-condensable gas.



[illegible]

	705R	705R OFF ROAD	707R	710R	720R	760R	760R BUS	770S	780R	744
2 x 12 kg tanks									●	
10 kg tank	●	●	●	●						
12 kg tank					●					
20 kg tank						●		●		
30 kg tank							●			
Charging accuracy +/- 10 g										●
Charging accuracy +/- 15 g	●	●	●	●	●	●	●	●	●	
High efficiency refrigerant recovery (over 95%)			●	●	●	●	●	●	●	
Double stage vacuum pump				●	●	●	●	●	●	●
100 l/min single stage vacuum pump	●	●	●							
Automatic oil tank recognition (registered patent)						●	●	●	●	●
Scales locking system		●	●			●	●	●	●	●
Functioning modes: DATABASE	●	●	●	●	●	●	●		●	
Functioning modes: PERSONALISED SERVICE	●	●	●	●	●	●	●	●	●	●
Functioning modes: MY DATABASE	●	●	●	●	●	●	●	●	●	●
Multi-language software	●	●	●	●	●	●	●	●	●	●
Automatic compensation for length of recharging lines	●	●	●	●	●	●	●	●	●	●
Automatic maintenance alarm	●	●	●	●	●	●	●	●	●	●
Simplified maintenance				●	●	●	●	●	●	●
Automatic management of uncondensable product			●		●	●	●	●	●	
Thermal printer	●	●	●	●	●	●	●	●	●	●
Flushing kit				●	●	●	●	●	●	
A/C system efficiency testing kit						●	●	●	●	
Automatic, high precision oil injection						●	●	●	●	●
Air conditioning system autodiagnosis						●	●	●	●	
2 manual line control valves	●	●		●	●					
Leakage detection kit with forming gas										●
Automatic metering of refrigerant release										●
Automatic monitoring of CO <sub>2</sub> concentration in atmosphere										●

Not available



Optional



Standard





## ORGANISED STORAGE MODULES (OSM)

Combination Type for Organized Storage Modules.



MODEL: MS-1



MODEL: EX-1



BX-OSM01

Combination Type for Organized Storage Modules. With OSM you can design your own storage system, all parts can be ordered individually. It is the ultimate storage solution which improves your productivity and efficiency for works. You can always design your unique style.



26" 7-drawer cabinet



26" Cabinet with door



26" Closet



26" Recycle bin cabinet



7-drawer cabinet



Cabinet with door



Closet



34" Recycle bin Cabinet



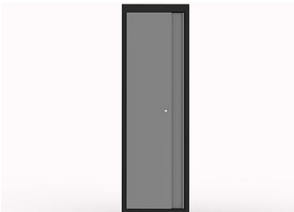
26" 5-drawers Portable trolley



26" 7-drawers Portable trolley



34" 7-drawers Portable trolley



24" Wall cabinet



26" Cupboard



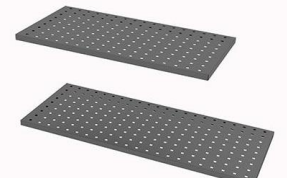
34" Cupboard



Wooden worktop



Stainless worktop



Perforated panel



Support bracket



Bottom side panel



Shelves for side cabinet



Hanger tube

The boxes of BOXO Tools have been developed to meet the high demands of quality conscious professional users all over the worlds. All boxes functions are covered **MIS system**, Quick Lock system and Standard system, even with the innovation design. All the functions and sizes are covered all of your needs.

## MAXX SERIES

- ✓ Trolley with Bumper Design on Corner
- ✓ MIS (Mechanical Interlock System) Only One Drawer to Open at One Time
- ✓ Ball Bearing Sliders with High Loading Capacity
- ✓ 100% "Full" Opening Drawer
- ✓ Accessories
  - MAA003- Can Holder
  - MAA021- Document Holder
  - MAA025- Swiveling Laptop Tray
  - MAA008- Paper Roller Holder
  - MAA013- Tool Panel



## MIS SERIES

- ✓ MIS (Mechanical Interlock System) Only One Drawer to Open at One Time
- ✓ Auto return ball bearing slide for smooth opening and closing
- ✓ Centralized locking system with folding key
- ✓ 5" x 2" TPR csater: 2 swivel casters with double break function and 2 fixed casters



4-drawer trolley



7-drawer trolley



3-Tray Service Cart



4 Drawer 26" Top Chest with Lid



Carry box



3 Drawer Carry Box



Hand carry bag

## HEAVY DUTY WORK BENCH



- Wall storage system
- Simple working top
- Simple add-on Chest
- 5-drawer trolley
- Back Panel

## 91PCS MULTI-FUNCTIONS TOOLS SET



**BX80A-002**  
11 PCS Combination Set



**BX80B-001**  
12 PCS Combination Wrench Set



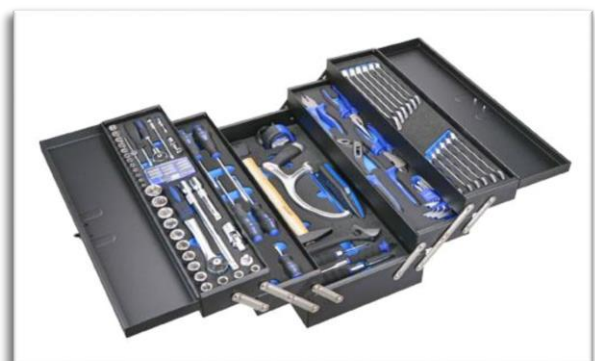
**BX80B-004**  
13 PCS Pliers & Hex Key Set



**BX80B-005**  
8 PCS Screwdriver Set



**BX80B-006**  
47 PCS 1/4" & 1/2" Dr. Socket Set





## 94pcs Multi-function Tool Set



## DIAGNOSTIC CART/ Multi-purpose Utility Cart



- Good choice for diagnostic devices
- Easy move
- Cable gathering design/ accessories



## 77pcs Tools Set c/w 4 Drawer Tools Trolley



6pcs 3/8" Dr. 6PT Socket 6,8,9,10,12,13mm  
2pcs 3/8" Dr. Spark Plug Socket 16,21mm  
1pc 3/8" Dr. Slim Head Ratchet Handle  
1pc 3/8" Dr. Swivel Handle 250mm  
3pcs 3/8" Dr. Extension Bar 75,150,250mm  
1pc 3/8" Dr. Universal Joint  
9pcs 1/2" Dr. 12PT Socket 14,17,19,21,22,24,27,30,32mm  
1pc 1/2" Dr. Slim Head Ratchet Handle  
1pc 1/2" Dr. Swivel Handle 380mm  
1pc 1/2" Dr. Extension Bar 150mm  
5pcs Combination Wrench 10,12,14,17,19mm  
1pc 1/2" Dr. Universal Joint  
1pc Adjustable Wrench 12"  
1pc Long Nose Pliers 6"(Europe Handle)  
1pc Slip Joint Pliers 8"  
8pcs Double Ring Wrench 45 Offset 8x9,10x11,12x13,14x15,16x17,18x19,21x23,22x24mm  
1pc Diagonal Cutting Pliers 6"(Europe Handle)  
1pc Water Pump Pliers 10"(Europe Handle)  
1pc Curved Jaw Locking Pliers 10"  
1pc Ball Pein Hammer 16oz(Wooden Handle)  
1pc Deadblow Hammer 520g  
1pc Snap Ring Pliers 9"  
1pc Oil Filter Wrench 60-90mm  
1pc Auto Testing 125-250V  
1pc Door Upholstery Panel Remover 115mm  
1pc 1/2"F x 3/8"M Adapter  
9pcs Ball Point Hex Key Wrench Set (Long Type)  
7pcs Double Open End Wrench 8x9,10x11,12x13,14x15,16x17,18x19,21x23mm  
4pcs Go-Through Phillips Screwdriver PH2x38, PH1x100, PH2x100, PH3x150  
4pcs Go-Through Slotted Screwdriver SL6x38, SL5x100, SL6x100, SL8x150

## 310pcs Tools Set c/w 7 Drawer Trolley with IMS System



1st Drawer



2nd Drawer



3rd Drawer



4th Drawer



5th Drawer



6th Drawer

- 1/4" Dr. Socket Set & Ball PT. Hex Key Wrench Set-72pcs
- 3/8" Dr. Socket Set
- 1/2" Dr. Socket Set-24pcs
- 3/8" Dr. Deep Socket Set
- 1/2" Dr. Deep Socket Set
- 1/2" Dr. Socket Bit Set
- 1/2" Dr. Impact Socket Set
- 1/4" & 1/2" Dr. Star Socket & Star Gear Wrench Set
- Slotted & Phillips Screwdriver Set-8pcs
- Combination Wrench Set
- 45° Offset Double Ring Wrench Set
- Double Flexible Socket Wrench
- Pliers and Adjustable Wrench Set-6pcs
- Retaining Ring Pliers & Locking Plier Set
- Hammer & Punch Set & Flat Chisel
- Air Wrench & Torque Wrench Set

## TOOLS SET IN CASE

122 PCS 1/4" & 1/2" Dr. Socket Sets  
Tool



38 PCS 3/8" Dr. Socket &  
Combination Wrench Set



30 PCS 1/2" Dr. Socket Set



26pcs Standard Combination Wrench  
Set - Pouch Bag



12pcs Double Open End Wrench  
Set - Pouch Bag



6pcs Double Flexible Flare Nut Wrench  
Set



11pcs Double Ring Wrench 45°  
Offset Set - Pouch Bag



6pcs Star Wrench Set - Pouch Bag



12pcs Flex Head Ratcheting Wrench  
Set - Pouch Bag



## OTHER TOOLS



1/2" DR. Composite Air Impact Wrench



3/4" Dr. Standard Torque Wrench



3/8" DR. Air Ratchet Wrench



## 210I/42 ELECTRO-HYDRAULIC TWO POST LIFT



Symmetric lift without base frame for greater space free area at work. Equipped with two lifting rams which do not require maintenance.



### Technical data

Capacity	4.200 kg
Weight	715 kg
Lifting/lowering	43 s
Lifting height	2011 mm
Motor	2,2 kW - 3 ph 230-400V/50 Hz

Optional: Security stop bar



## 492A3SF ELECTRO-HYDRAULIC TWO POST LIFT

Symmetric lift without base frame for greater space free area at work. Equipped with two lifting rams which do not require maintenance.



### Technical data

Capacity	4.000 kg
Weight	685 kg
Lifting/lowering	60 - 40 s
Lifting height	Max. 1900mm Min. 100mm.
Motor	2,2kW - 3ph. 230-400V/50Hz

## 503 ELECTRO-MECHANICAL ASYMMETRIC LIFT WITH CHAIN DRIVE

Lift with self-supporting base for easier installation on poor quality floor surfaces. Pads with a min. height of 90 mm only. Three stage short and long arms enabling the asymmetric loading of wide and longer vehicles in extended position:



### Technical data

Capacity	3.000 kg
Weight	565 kg
Lifting/lowering	55 s
Lifting height	1890 mm
Motor	4,5 kW - 3 ph 230-400V/50 Hz

## 527R ELECTRO-HYDRAULIC FOUR POST LIFT

High lifting and descent speed • Overload safety valve • Descent control valve • "Buzzer" on last portion of descent • Pipe burst safety valve • 24 V, low tension dead man controls • Automatic release of safety locking device



### Technical data

Capacity	4.000 kg
Weight	1080 kg
Lifting/descent	30 s
Lifting height	1830 mm
Motor	3,0 kW - 3 ph 230 400V/50 Hz

## 522BL ELECTRO-HYDRAULIC 4-POST LIFT

With front recesses and rear slip plates for wheel alignment



### Technical data

Capacity	4.000 kg
Weight	910 kg
Lifting/descent	50/45 s
Lifting height	1750 mm
Motor	2,2 kW - 3 ph 230 400V/50 Hz

## 532LP EXTRA-LOW-PROFILE HYDRAULIC SCISSOR LIFT

Easy to handle drive-on and drive-off ramps. Hydraulic synchronization of platforms. Overload safety-valve. Safetyvalve in case of sudden loss of pressure



### Technical Data

Capacity	3200kg
Weight	730kg
Lifting/ Lowering	35/40 s
Lifting Height	1945mm
Motorleistung	2.2Kw – 230-400 V/50 Hz 3 ph

## 2543C MOTORBIKE LIFT



- Lifting height of 1030 mm
- Capacity 600kgs
- Lateral foot guards that act as tool-trays
- Mechanical safety device
- Hydraulic safety device in case of failure of hydraulic hose
- Extractable panel to facilitate dismounting of the back wheel

## GL-3.2-2E Two Post Hydraulic Auto Lift



Hydraulic power driving to elevate

### Technical Specifications

- Max. lifting weight(Kg) 3200
- Max. lifting height(mm) 1900
- Voltage(V) 380
- Frequency(Hz) 50
- Motor power(Kw) 2.2

## GL-3.5-2E1 TWO POST GANTRY AUTO LIFT



Hydraulic power driving to elevate;  
The safety protection released by one handle;  
The posts formed & molded as a whole at a time;  
Adopting mechanical height-limiting protection;

### Technical Specifications

- Max. lifting weight(Kg) 3500
- Max. lifting height(mm) 1900
- Voltage(V) 380
- Frequency(Hz) 50
- Motor power(Kw) 2.2

## GL3000A SMALL SCIRSSOR AUTO LIFT



Automatic pneumatic lock system.

### Technical Specifications

- Lifting weight(Kg) 3000
- Lifting height(mm) 330-2000
- Pneumatic 6-8Kg/cm<sup>2</sup>
- Voltage(V) 380
- Frequency(Hz) 50

## GL-3.5-4D1 STABLE FOUR POST AUTO LIFT FOR FOUR-WHEEL ALIGNMENT



With the secondary lift; power coated, controlled by main hydraulic pump.

With lateral-sliding devices at the rear and the slots at the front; fulfilling the function of 4-wheel-alignment;

Having 3 safety protections: Broken-rope-locking device, Mechanical hooks and Hydraulic pressure locking automatically;

### Technical specifications:

- Max. lifting weight(Kg) 3500
- Max. lifting height(mm) 1650
- The secondary Lifting(mm) 500
- Voltage(V) 380
- Frequency(Hz) 50



## ALPHA 2020 2D COMPUTERIZED ELECTRONIC WHEEL BALANCER

with digital display for cars, motorcycles and light commercial vehicles.

Technical Data	
er	10" - 30"
	2" - 15"
diameter	940 mm (37")
weight	70 Kg
accuracy	1 gr
eed	from 120 RPM to 150 RPM
	Dinamic, Static, 2 ALU + 2 for motorbike
ly	230V 1Ph 50Hz



## ALPHA 4040

**3D Wheel balancer** for cars, motorcycles and light commercial vehicles



- Self-diagnosis and self calibration
- User-friendly cover panel with cones and weight holder
- Automatic measurement of wheel diameter and distance (2020 and 2040)
- Automatic TOUCHLESS Width Measurement (2040)
- Automatic stop of the wheel in balancing position
- 4-operators function (2 for 2010)
- Hidden weight program (split) Unbalance optimization programme
- Programmes: Dynamic Static, 2ALU + motorbike

## 672T AUTOMATIC TYRE CHANGER


Air-operated tilting column for car, motorcycle, and commercial wheels.



# Wheel & Tire Equipment



## Technical data

Rim clamping from outside	11" - 22"
Rim clamping from inside	13" - 24"
Max. wheel diameter	1000 mm
Max. wheel width	315 mm
Bead-breaking cylinder force	30200 N (3080 Kg)
Operating pressure	8 - 10 bar
Power supply	400V 50 Hz - 3 ph *
Motor power	0,8 - 1,1 kW
Weight	230 Kg
Dimension	 760 x 950 x 975

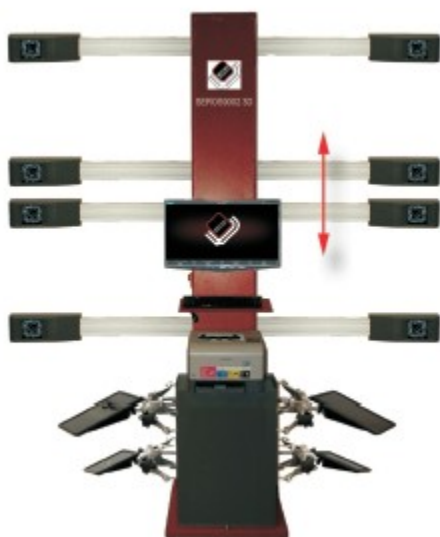
## Optional:

Assistant H Titanium



## SEROS 9002 3D WHEEL ALIGNMENT

The SEROS 9002 3D is a fast and accurate measuring device designed for passenger, van and commercial cars.



It is equipped with two industrial cameras with full frame 20 mm 5MP optical lenses.

Machine can measure at different heights.

Fit in scissors lift, four post alignment lift and pit

It takes a very low space and can work from camera to center turn-plate from 1600 mm to 2500 mm.

- Rolling run-out compensation
- Ergonomic One Touch interface
- Wide range applications
- Low maintenance
- No electronic device on wheel
- Good repeatability and accuracy
- Quick measurement for front and rear axle toe, camber and thrust angle
- Raised position for adjustment of toe and camber
- Live caster functions
- Quick navigation bar

## Pneumatic Oil Extractor

Remove and extract waste fluids or oil out from engine and etc. with flexible PVC tube and robust CU probe. Power from compressed air

Air Consumption: :	150L/Min
Tank Capacity:	65L
Tray Capacity:	16L
Working Temperature :	40 ~ 60°C



## Pneumatic Oil Extractor

Functions: Remove and extract waste fluids or oil out from engine and etc. with flexible PVC tube and robust CU probe. Power from compressed air

Air Inlet Pressure:	6 ~ 8bar/ 87 ~ 116PSI
Ejection pressure:	0.7 ~ 1.0 bar/ 10 ~ 14PSI
Air Consumption:	150L/Min
Vacuum Degree:	0 ~ -1 bar /-14PSI
Tank Capacity:	65L
Cylinder Capacity:	9L
Oil tray volume:	16L
Working Temperature:	40 ~ 60°C



## Gear Oil Dispensing System-Chamber Type with Accessories

Gear Oil Dispensing System. Ideal for dispensing fluid in transmission, differentials and transfer cases.

- 12 litres graduated transparent chamber equipped with a hand operated pump.
- Easy viewing for verification of oil and quantity dispensed.
- Mounted on a cabinet trolley for better ergonomic to operate system.
- More organized approach to place relevant working tools and parts in cabinet.
- Supplied with a 1.8m hose connected to a special connecting nozzle.
- Complete with a set of special adapting nozzle(8 units) for modern vehicles such as : VW, Audi, Benz, Ford, etc.

**Warning!!! Strictly Not to be used on Brake Fluids, Fuels or any Inflammable or Corrosive products.**



## Gear Oil Dispenser with Meter

Mobile Oil Dispensing unit complete with meter. Ideally used for filling or topping up gear and differential oil.

- Wheel mounted tank of 22 litres equipped with a hand operated pump.
- Oil is pump out through a mechanical meter.
- Supplied with a 1.8m hose connected to a curved steel spout.



## Gear Oil Dispenser

Mobile Oil Dispensing unit. Ideally used for filling or topping up gear and differential oil.

- Wheel mounted tank of 22 litres equipped with a hand operated pump.
- Supplied with a 1.8m hose connected to a curved steel spout.



## Manual & Pneumatic Fluid Extractor



Size: 27 1/2"H×13 3/4"W

Liters: 18

US liquid gallon: 4.7

US liquid quart: 18.8

IMPERIAL gallon: 4

IMPERIAL quart: 16

Max. Operating Temperature: 100°C

Working Pressure: 90 psi

Air Inlet Size: 1/4"NPT

## Utility Extract & Discharge Pump with ATF Filler System (6L)



Liters: 6

Main Tube: Ø9.8mm×150cm

Tube: Ø9.8mm×60cm

Max. Operating Temperature: 100°C

## Utility Extract & Discharge Pump with ATF Filler System (18L)



Liters: 18  
Max. Operating Temperature: 100°C  
Working Pressure: 90 psi  
Air Inlet Size: 1/4"NPT

## Manual & Pneumatic Fluid Extractors

Liters: 6  
Max. Operating Temperature: 100°C  
Working Pressure: 90 psi  
Air Inlet Size: 1/4"NPT



## FLUID SYRINGE WITH DISCHARGE

Capacity: Syringe 350ml Pot 1L  
Size: 381×225×102mm



## BRAKE FLUID TESTER



Size: 23×14×6 cm  
Power: DC-9V

## POCKET BRAKE FLUID TESTER



Size: 18.8×2.9×2.9 cm  
Power: 1.5V (AAA)

## MANUAL EXTRACT & DISCHARGE PUMP WITH ATF FILLER SYSTEM



## Manual Extract & Discharge Pumps (In & Out) 6 liters



Liters: 6



### CANVIK PLUS – Coil Spring Compressor

- MAXIMUM LOAD 2250 kg
- MINIMUM DISTANCE 65 mm
- MAXIMUM DISTANCE 364 mm
- NET WEIGHT 10.7 kg
- AIR WRENCH MAX 180 Nm



### CANVIK CENTER – Coil Spring Compressor

- MAXIMUM LOAD 1500 kg
- MINIMUM DISTANCE 70 mm
- MAXIMUM DISTANCE 167 mm
- NET WEIGHT 1.52 kg



### GLD-40 Evaporative Emission (EVAP) System leak detection



Package includes:



- Smoke Wizard®
- Operator's Manual
- OBD-II Service Port Fitting
- Schrader Valve Removal Tool
- Cap Plugs Kit
- Smoke Diffuser
- Exhaust Cone Adapter
- Combination Light (white LED and UV LED in one light)
  - w/ batteries & UV Glasses
- UltraTraceUV® Smoke Producing Solution
- Leak Detection Innovation

### SMOKE AUTOMOTIVE LEAK DETECTOR



Smoke Automotive Leak Locator ALL-100 is an innovative product that provides safe and convenient method to check leaks in automotive systems. Its so far the fastest way of detecting & locating the leak position of all pipe system in an vehicle at an affordable price, every garage and workshop will need one.



## Automotive Diagnostic Leak Detector

### A5 Series



The A5 Series Automotive Diagnostic Leak Detector is designed for test leaks in vehicle pipe systems. It could be used on all cars, motorcycles, snowmobiles, ATV, light trucks, boats, etc.

- Turbo Model also applicable on turbo system, but NOT suitable for EVAP system.
- EVAP Model also applicable on EVAP system, but NOT suitable for Turbo system.
- EVAP/Turbo Model is with internal air compressor, while EVAP/Turbo Ext. will need shop air supply with air pressure recommended at less than 8bar/90psi.

## Injector Cleaner & Tester

### IMT-610N



### Introduction

IMT-610N Injector Cleaner is an advanced electromechanical product, which can clean and test injectors by simulating engine working conditions. It can also perform cleaning on the injectors and fuel supply system on vehicle.

### Function

- Direct/Reverse Flush
- Ultrasonic cleaning

To perform simultaneous cleaning on several injectors and to remove the carbon deposits on the injector completely.

## UNIVERSAL COOLING SYSTEM PRESSURE TESTER

- Multinational Patent Pending
- Easy to operate and assemble
- Ergonomic design for human-friendly operation, safe, quick and precise testing
- This product can be applied on all vehicle brands radiators.



**GASBOX Autopower**

GASBOX Autopower is an exhaust gas analyser for petrol, LPG, and methane fuelled engines. It incorporates TEXA's own analysis chamber and comes with a practical trolley for easy movement around the workshop.

**OPABOX Autopower**

OPABOX Autopower is a partial flow opacity meter for diesel engines. It incorporates a latest generation exhaust gas analysis chamber developed to conform to international standards.

**TECHNICAL SPECIFICATIONS****DIMENSIONS**

460 x 200 x 250  
mm

**WEIGHT**

6,5 Kg (with trolley 15 kg)

**EXTERNAL POWER SUPPLY**

2 x 12 V 7 A/h lead batteries; Maximum  
consumption: 80 W

**SERIAL PORT**

RS232 standard

**WIRELESS  
OUTPUT**

Bluetooth

**SOFTWARE**

ETS or IDC5

**RESET AND CALIBRATION**

electronic and automatic

**TECHNOLOGY**

NDIR

**CONDENSATE DRAINAGE**

continuous and automatic

**RESPONSE  
TIME**

< 10 seconds

**HEATING  
TIME**

Max. 60 seconds

**DIMENSIONS**

460 x 200 x 250 mm

**WEIGHT**

6,5 Kg (with trolley 15 kg)

**EXTERNAL POWER SUPPLY**

2 x 12 V 7 A/h lead batteries; Maximum  
consumption: 80 W

**SERIAL PORT**

RS232 standard

**WIRELESS OUTPUT**

Bluetooth

**SOFTWARE**

ETS o IDC5

**RESET AND CALIBRATION**

electronic and automatic

**TECHNOLOGY**

Green Led diode

**HEATING TIME**

maximum 5 minutes

**CHAMBER LENGTH**

200 mm

**TEMPERATURE**

75°C

## Service Indicator

**Ford Ranger 3.2 ('12)**



- Switch ignition ON.
- Simultaneously fully press and hold brake and accelerator pedals for approximately 25 seconds.
- Release pedals.
- Switch ignition OFF.
- Wait at least 2 minutes.
- Switch ignition ON and check engine oil change indicator is extinguished.
- Switch ignition OFF.

## Service Indicator

**BMW 5 Series G30/31 (<2017)**



**Note:** These instructions allow for the identification of the additional service operation groups (items) that require attention. Refer to the service schedule for details of the operations to be carried out.

### Accessing service information

- Switch ignition ON.
- Briefly press controller Fig1179135.A to switch multifunction display ON.
- Press button Fig1179135.B to display main menu.
- Turn controller Fig1179135.C until the message "My Vehicle" is highlighted.
- Press controller Fig1179135.A to select "My Vehicle".
- Turn controller Fig1179135.C until the message "Vehicle status" is highlighted.
- Press controller Fig1179135.A to select "Vehicle status".
- Turn controller Fig1179135.C until the message "Service requirements" is highlighted.
- Press controller Fig1179135.A to select "Service requirements".
- Turn controller Fig1179135.C to highlight service item.
- Press controller Fig1179135.A to select highlighted service item.
- Service items that are overdue are displayed with symbol Fig1199398.A on the multifunction display.
- Service items that are due are displayed with symbol Fig1199398.B on the multifunction display.
- Switch ignition OFF.

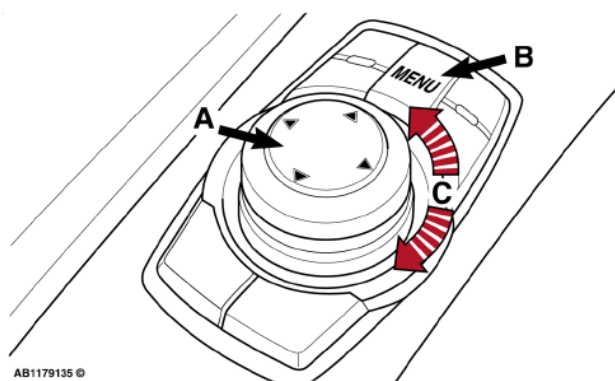
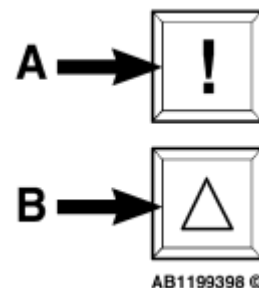


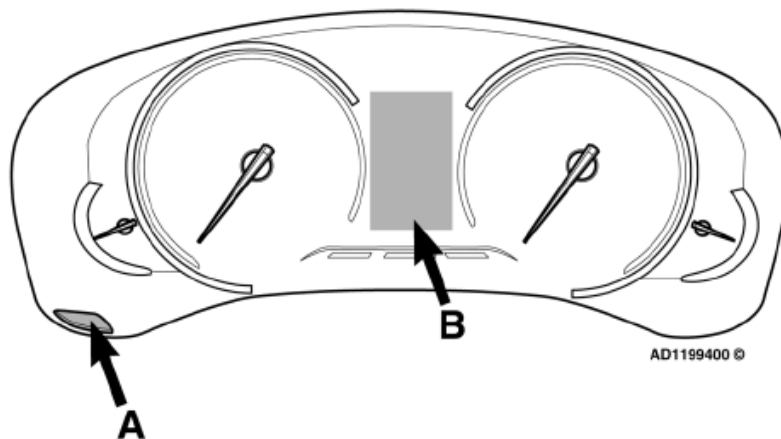
Fig1179135



## Resetting service interval indicator

**Note:** Instrument panel must indicate correct time and date before resetting service interval indicator. Service interval indicator can only be manually reset if its value is below 90% of its life. If the item is not due for reset it can only be changed using diagnostic equipment. These instructions apply to vehicles that are currently due a scheduled service.

- Lock vehicle and wait 10 minutes.
- Unlock vehicle using remote control.
- DO NOT depress any pedals.
- Press start/stop button 3 times in quick succession.
- Press and hold button Fig1199400.A for approximately 10 seconds until first service item is displayed Fig1199400.B.
- Repeatedly press button Fig1199400.A to select service item to be reset.
- The message "Reset possible" is displayed Fig1199400.B.
- Press and hold button Fig1199400.A for 3 seconds.
- The message "Perform reset?" is displayed Fig1199400.B.
- Press and hold button Fig1199400.A for 3 seconds.
- The message "Reset successful" is displayed Fig1199400.B.
- Switch ignition OFF.



## Service indicator

Volkswagen Golf VII (17-)



### Fixed service intervals - engine oil change indicator

- Switch ignition OFF.
- Press and hold button Fig133468.A or Fig1215252.A.
- Switch ignition ON.
- Keep button Fig133468.A or Fig1215252.A depressed until "Reset oil change service?" appears in the instrument panel display.
- Release button Fig133468.A or Fig1215252.A.
- Briefly press button Fig133468.A or Fig1215252.A.
- Engine oil change indicator is now reset.
- Switch ignition OFF.

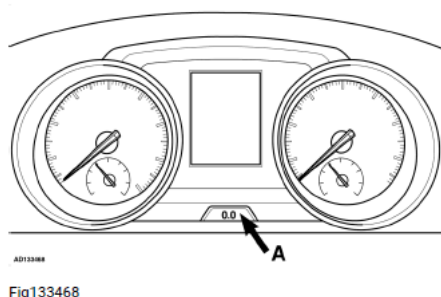


Fig133468

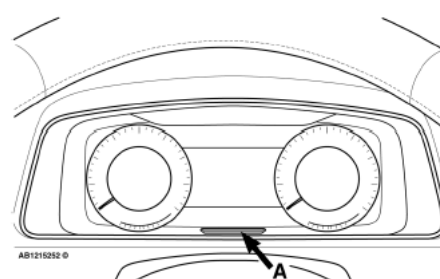


Fig1215252

## Fixed service intervals - service interval indicator

- Switch ignition OFF.
- Press and hold button Fig133468.A or Fig1215252.A.
- Switch ignition ON.
- Keep button Fig133468.A or Fig1215252.A depressed until "Reset inspection?" appears in the instrument panel display.
- Release button Fig133468.A or Fig1215252.A.
- Briefly press button Fig133468.A or Fig1215252.A.
- The service interval indicator is now reset.
- Switch ignition OFF.

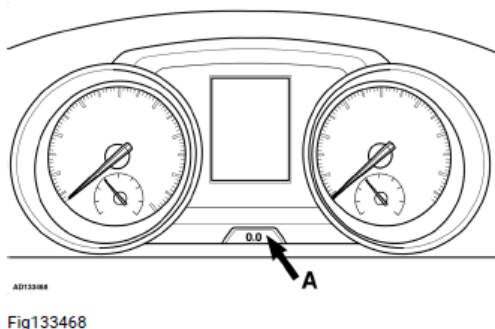


Fig133468

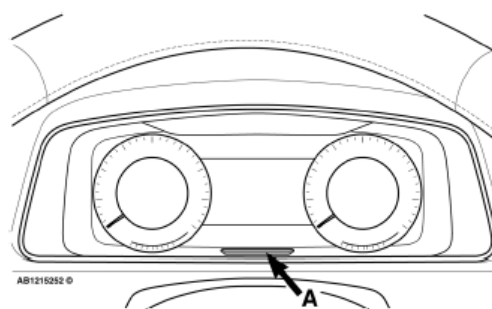
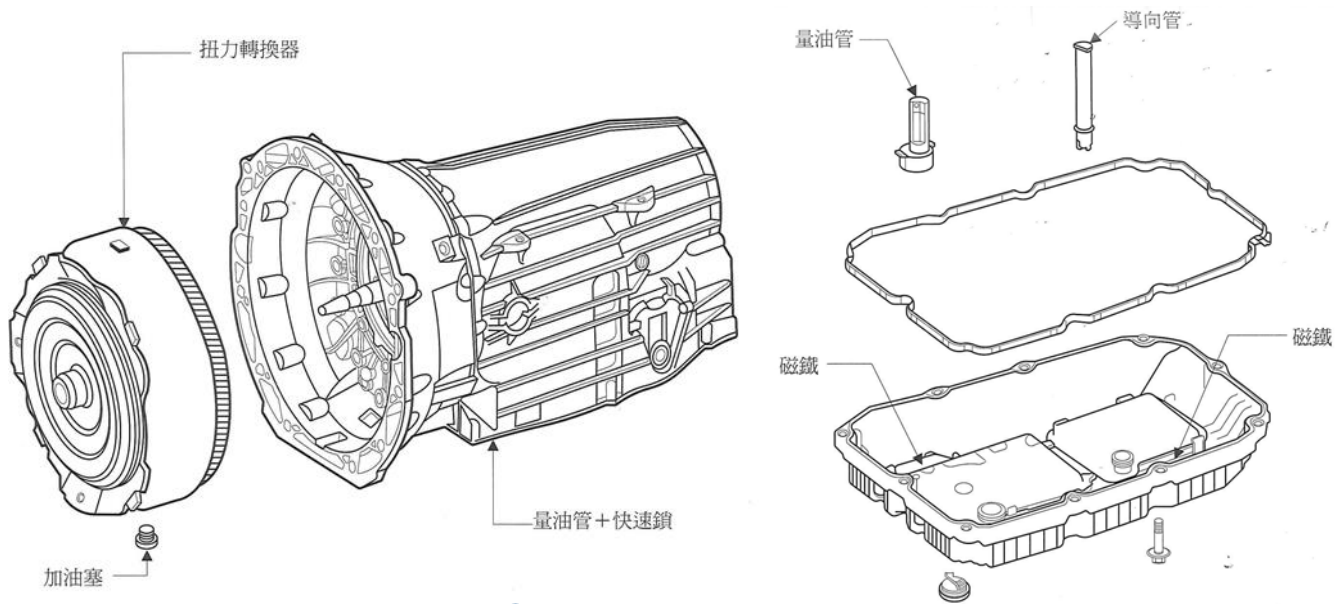


Fig1215252

## 奔驰 9 速自动变速箱 (725.0XX,W9A 700) ATF 交换方法

- 725.0 = 电子 9 速后驱 AT, 自 2016 年起 E220 CDI (W212) 系列开始导入, 并逐渐应用于新 C (W205), 新 SLK (W127), 新 CLS (W218), 新 S (W217. W222) 及 GLE (W166) 等车款, 逐渐替代 722.9 之 7 速 AT.
  - S9 只能使用符合 MB236.16 规范之新黄金油 GTL ATF 或适用欧规 9 号全合成 ATF: 原先 236.15 之宝蓝色 ATF 及 236.12/14 之淡红色 ATF 皆不可以混合使用, 勿使用其他规格 ATF, 否则会造成变速箱内部损坏!
  - 换油时需冷车才能施工, 拆下油底壳快速锁, 使用 MB 特殊转接头及套筒扳手, 将量油管反转到底: 在位置 "4" 排放 ATF.
  - 位于 AT 狮子头下, 拆卸扭力转换器密封盖, 转动引擎直到看见放油塞, 拆卸扭力转换器放油塞泄放 ATF, 扭力转换器放油塞垫片需更换 (22Nm)
  - 用 L 型工具将量油管拆下, 泄放多余 ATF, 拆下油底壳排空 ATF, 油底壳与 ATF 滤油网为一体式, 需一拼更换, 依相反顺序装回拆卸之零件。
  - 将特殊转换接头及套筒扳手将量油管顺转到底: 位置 '1', 使用加油泵将 ATF 打入变速箱中, 拆下特工。
- AT 入 P 档, 怠速运转直到 ATF 温度: W166: 55-59°C, 除 W166 以外: 35 - 39°C, 使用特工将量油口反转至位置 "3", 怠速中 ATF 自量油管滴出, 表示油量正确, 将量油管顺转到底拆下特工。
- 若是汽车配有 ATF 副冷却器时, 需运转引擎知道 ATF 温度达 90°C, 使 ATF 节温器打开, ATF 开始循环, 再让 ATF 温度降回 35°C / 55°C 后, 才可以量测 ATF 油量。
  - 725.总容量: 10 公升、 更换容量: 10 公升。





Do you Know??

## Automotive Industry in Malaysia



The **automotive industry in Malaysia** consists of 27 vehicle producers and over 640 component manufacturers. The Malaysian automotive industry is the third largest in Southeast Asia, and the 25th largest in the world, with an annual production output of over 500,000 vehicles. The automotive industry contributes 4% or RM 40 billion to Malaysia's GDP, and employs a workforce of over 700,000 throughout a nationwide ecosystem.



## ERA 1

### The Pre-Proton Years

It all began in 1979, when Tun Mahathir Mohamad, the then Deputy Prime Minister of Malaysia, mooted the idea of establishing an automotive assembling and manufacturing industry in our country.

It was his dream to accelerate Malaysia's industrialisation capabilities to match those of developed nations.

The dream came one step closer to reality when the Cabinet approved the National Car Project in 1982.



Perusahaan Otomobil Kedua Sdn Bhd, PERODUA (054795V), established in 1993, is a joint venture company between Malaysian and Japanese partners.

The shareholders of Perodua are UMW Corporation Sdn Bhd 38%, MBM Resources Berhad 20%, Daihatsu Motor Co. Ltd 20%, PNB Equity Resource Corporation Sdn Berhad 10%, Daihatsu (Malaysia) Sdn Bhd 5%, Mitsui & Co. Ltd 4.2% and Mitsui & Co. (Asia Pacific) Pte Ltd 2.8%.