

P TEN

Professional Tool & Equipment News

The Independent Tool Authority

A comparative list of functions and features for a large selection of aftermarket scan tools from 24 equipment manufacturers.

JUNE 2016

IN ASSOCIATION WITH THE FOLLOWING PTEN-AFFILIATED PUBLICATIONS:

Professional Distributor **FLEET Maintenance**

2016

SCAN TOOL SPEC GUIDE



A comprehensive guide to provide you with information on choosing the right scan tool for your needs

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OEM LEVEL DIAGNOSTICS

MAXIMUS 2.0



MDMAX2 - MAXIMUS 2.0 TABLET

BI-DIRECTIONAL CONTROL • EURO - ASIAN - USA FULL COVERAGE • EXPANDABLE • IP65

- Bi-directional control on all popular makes, models and modules
- Reset hot key gives direct access to resets such as EPD, SAS, DPF, electronic throttle body relearn, battery reset and more...
- Includes 12 months of weekly Wi-Fi updates
- Android™ multi-tasking software allows you to do more things at once
- Expand your MDMAX2 with available add-on modules
- Google Play™ - Install 3rd party apps
- Fully ported docking station with VGA, audio out, Ethernet, two USB ports and connector storage
- Water proof and Dust proof

ASK YOUR MATCO TOOLS DISTRIBUTOR FOR A DEMO!



MAXISYS

MOST AFFORDABLE DIAGNOSTIC TABLET VS COMPLETE TPMS & DIAGNOSTIC TABLET



MS906

TETHERED CABLE OBDII CONNECTOR

BUILT FOR PRICE CONSCIOUS TECHNICIANS NEEDING MAXIMUM SYSTEM DIAGNOSTICS

COVERS US / ASIAN / EUROPEAN VEHICLES
INSTANTLY RETRIEVES VEHICLE INFO
OE-LEVEL VEHICLE COVERAGE & FUNCTIONS
DETECT & DISPLAY FAULTS & TROUBLE CODES
LIVE DATA VIEW / PRINT / STORE / PLAYBACK
DEDICATED SERVICES SECTION - OIL SERVICE
RESET, TPMS RELEARN, EPB, ABS/SRS, SAS
FULL-SCREEN PID WAVEFORM GRAPHING ANALYSIS
WITH TRIGGER-TYPE RECORDING MODES



MS906TS

WIRELESS BLUETOOTH OBDII CONNECTOR

BUILT FOR TECHNICIANS NEEDING ALL-IN-ONE COMPLETE TPMS AND SYSTEM DIAGNOSTICS

INCLUDES SAME MS906 FEATURES PLUS
WIRELESS BLUETOOTH VCI AND EMBEDDED TPMS
ANTENNA TO TRIGGER ALL KNOWN SENSORS
CLONE & PROGRAM AUTEL MX-SENSORS
COMPLETE TPMS SYSTEM DIAGNOSTICS
TPMS SYSTEM STATUS SCREEN IDENTIFIES FIXES
EXPANDED SUPER CAR DIAGNOSTIC COVERAGE
USB PORT CONNECTS OPTIONAL ACCESSORIES -
MAXISCOPE MP408 / MAXIVIDEO MV105 AND MV108

MAXIMIZE YOUR MDMAX2 WITH ADD-ON MODULES



MDGDSSC FOUR-CH LAB SCOPE
MDGDSSBM SENSOR SIMULATOR
MDGDSBBM BATTERY TESTER

COMING SOON!

TSAP-1
TPMS SENSOR ACTIVATION
AND PROGRAMMING TOOL

MDPRINT
WI-FI MINI PRINTER

MDMAX2SCOPE
BORESCOPE



1.3 GHz Quad-core

8MP Camera

8 INCH Color LED Display

SSD 32G Solid state drive

MS906 5000mAh Lithium-polymer

MS906TS 10000mAh Lithium-polymer



1 YEAR WARRANTY / 1 YEAR FREE SOFTWARE UPDATES



Welcome to the 2016 Scan Tool Spec Guide, brought to you by *Professional Tool & Equipment News*, *Professional Distributor* and *Fleet Maintenance* magazines.

For most vehicles showing up in bays today, the first tool you should be reaching for is a scan tool.

Of any tool category, diagnostic scan tools have continually and exponentially evolved into necessary products for any successful shop. Due to the overwhelming trend that continues to turn vehicles into "computers on wheels," many shops need to have the capabilities to diagnose increasingly more areas of the vehicle.

While OE scan tools certainly have their place in some shops, it's also imperative

for aftermarket operations to have the ability to diagnose multiple vehicles with a single diagnostic unit. This is where aftermarket scan tools come in.

But which tool is right for you, or your shop?

The 2016 Scan Tool Spec Guide is an easy reference to compare multiple scan tools with similar functions. It is broken down into three sections: OBD-II Generic, OBD-II Enhanced and Heavy Duty, and features a total of 24 different scan tool manufacturers.

As the trend toward increasingly complex and technology-driven vehicles continues, shops will need to keep up with the tooling required to diagnose these vehicles. The next several pages provide the most up-to-date product information for aftermarket scan tools available on the market today. **PTEN**

**OBD-II GENERIC
SCAN TOOLS**
PAGE 6

**OBD-II ENHANCED
SCAN TOOLS**
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**HEAVY DUTY
SCAN TOOLS**
PAGE 22

**COMPANY
DIRECTORY**
PAGE 26

LAUNCH TECH USA

THE COMPLETE DIAGNOSTICS PACKAGE

PAD II

DROP-TESTED AND WATERPROOF ANDROID BASED SCAN TOOL TABLET WITH A 10.1 INCH HIGH RESOLUTION IPS TOUCH SCREEN.

SEE US AT
BOOTH #424
AT THE ISN
SHOW IN
ORLANDO



J-Box 2
The J-Box 2 sets the standard for Pass-Thru Devices. It is compatible with both SAE J2534-1 and J2534-2 reprogramming standards!

NEW
PAD II Charging Stand
Keep your PAD II Charged at All Times!

TSAP-1
The **NEW** Launch TSAP-1 Tire Pressure Monitor tool is a rugged universal TPMS activation and sensor programming Device that offers functionality with flexibility.

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COMPLETE DIAGNOSTIC SYSTEM MAXISYS

Designed for technicians who demand superior tool features to provide the most performance for their investment.



MAXISYS ELITE - MSELITE

- 9.7" LED Screen / Android Based Software / A9 Quad Core 1.8 GHz Processor
- Included : Complete Connector Kit / J2534 Reprogramming Device with Internal Bluetooth VCI
- Covers all US, Asian and European Manufacturers (1996 to present) Including Supercars
- AutoVIN System Identifies the Vehicle With One Touch
- OE-Level Vehicle Coverage and Functionality / Key Programming
- Docking / Charging Station Allows For Convenient Cart-Top Use
- Includes 2 Year Warranty / 2 Years of FREE Software Updates



MAXISYS PRO - MS908P

- 9.7" LED Screen / Android Based Software / A9 Quad Core 1.4 GHz Processor
- Included : Complete Connector Kit / J2534 Reprogramming Device with Internal Bluetooth VCI
- Covers all US, Asian and European Manufacturers (1996 to present) Including Supercars
- AutoVIN System Identifies the Vehicle With One Touch
- OE-Level Vehicle Coverage and Functionality / Key Programming
- Includes 1 Year Warranty / 1 Year of FREE Software Updates
- Additional 1 Year Total Care Package (TCP) Update Plan Available for \$1,295.00



MAXISYS - MS908

- 9.7" LED Screen / Android Based Software / A9 Quad Core 1.4 GHz Processor
- Included : Complete Connector Kit / Bluetooth Communication (VCI)
- Can Be Upgraded To MaxiSYS Pro With The Purchase of J2534 Pass-Thru Device
- Covers all US, Asian and European Manufacturers (1996 to present) Including Supercars
- AutoVIN System Identifies the Vehicle With One Touch
- OE-Level Vehicle Coverage and Functionality / Key Programming
- Includes 1 Year Warranty / 1 Year of FREE Software Updates
- Additional 1 Year Total Care Package (TCP) Update Plan Available for \$895.00



MAXISYS MINI - MS905K

- 7.9" LED Screen / Android Based Software / A9 Quad Core 1.4 GHz Processor
- Included : Complete Connector Kit / Bluetooth Communication (VCI)
- Covers all US, Asian and European Manufacturers (1996 to present) Including Supercars
- AutoVIN System Identifies the Vehicle With One Touch
- OE-Level Vehicle Coverage and Functionality / Key Programming
- Includes 1 Year Warranty / 1 Year of FREE Software Updates
- Additional 1 Year Total Care Package (TCP) Update Plan Available for \$695.00



OPTIONAL ACCESSORY COMPATIBILITY

MAXIFLASH PRO - J2534

- Built-In Wireless Bluetooth VCI
- Performs Standard PassThru J2534 Functionality
- Updateable Software
- Standard Compatibility With SAE J2534 and J2534-2 Programming

MAXITPMS - TS401

Pair With Autel TS401 To Activate All Known Sensors and Retrieve Data/ Program Autel MX-Sensors

MAXIVIDEO - MV108

- 8.5mm Diameter Head
- 640 x 480 Pixel Resolution
- LED Light Inspection Area
- Waterproof USB Cable
- Flexible Cable Reaches 1m
- Viewing Distance 1" to 14"



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AUTEL

COMPANY NAME	Autel	Automotive Test Solutions	EASE Diagnostics	FCAR Tech USA		Launch Tech	Mac Tools	OTC	Snap-on Diagnostics
PRODUCT NAME	MD802	Escan Pro	X2.2 Pro Scan Tool - Generic Software	F3SW		CRP129P	ET1510ANX	3210	MicroScan III
Price									
Less than \$500	●		●			●	●		●
\$501 to \$2,000		●		●				●	
\$2,001 to \$4,500									
\$4,501 to \$10,000									
Scanning Functions (1996 to Present)									
Reads generic data and monitors (Mode 1)	●	●	●	●		●	●	●	●
Displays freeze frame data (Mode 2)	●	●	●	●		●	●	●	●
Reads DTCs (Mode 3)	●	●	●	●		●	●	●	●
Clears all DTCs for all systems (Mode 4)	●	●	●	●		●	●	●	●
Reads test results for oxygen sensors (Mode 5)	●	●	●	●		●	●	●	●
Reads test results for other component/system monitoring (Mode 6)	●	●	●	●		●	●	●	●
IF YES ON LINE ABOVE: Provides test result definitions or raw hexadecimal data?	●	●	●			●	●	●	Hexadecimal
Reads pending DTCs (Mode 7)	●	●	●	●		●	●	●	●
Bi-directional control (actuator tests) (Mode 8)	●			●		●	●	●	●
Vehicle information - VIN # - (Mode 9)	●	●	●	●		●	●	●	●
Reads permanent DTCs (Mode OA)	●	●	●	●		●	●	●	●
Other Functions									
Bi-directional controls				●			●		
Reset oil lights	●			●		●	●		
Inspection interval lights				●		●	●		
Electronic brake service	●			●		●	●		
Steering angle service				●		●	●		
Record and play back OBD-II live data	●	●	●	●		●	●	●	●
Anti-theft/key duplication				●					
Vehicle search capability/scanning by VIN			●	●			●		
Live Data Stream--Digital									
Graphs live data on screen	●	●	●	●		●	●	●	●
Graphs multiple PIDs on screen simultaneously	2	●	24	3		4		●	3
Engine coverage - ECM (codes, data or both)	Both	Both	Codes	Both		Both	Both	Codes	Both
Engine and transmission coverage - PCM (codes, data or both)	Both		Codes	Both		Both	Both	Codes	Both
ABS coverage (codes, data or both)	Both		Codes	Both		Both	Both	Codes	Both
SRS coverage (codes, data or both)	Both		Codes	Both		Both	Both	Codes	
HVAC (codes, data or both)	Both		Codes	Both				Codes	
OBD-I Adapters (Pre-1996)									
Domestic coverage				●		●		●	●
Asian coverage				●		●		Some	
European coverage				●		●			

COMPANY NAME	Autel	Automotive Test Solutions	EASE Diagnostics	FCAR Tech USA		Launch Tech	Mac Tools	OTC	Snap-on Diagnostics
PRODUCT NAME	MD802	Escan Pro	X2.2 Pro Scan Tool - Generic Software	F3SW		CRP129P	ET1510ANX	3210	MicroScan III
Unit Features									
Unit type	Handheld	PC-based	User's PC-based / Tablet	Handheld		Handheld	Handheld	Handheld	Handheld
Requires separate laptop or PC (see "Unit Type")		Windows PC or tablet	●						
Operating system	Embedded	Windows XP through Windows 10	Windows Vista, 7, 8, 10	FCAROS		Proprietary	Proprietary	Proprietary	Freescan MQX
Hard drive size		1 GB	1 GB				1 GB		
Built-in memory or memory on included SD card	8 GB		Based on user's PC	8 GB		4 GB	0.5 GB	Internal 128 MB	4 GB
Multilingual	●			●		●	●	●	●
Internal battery included		Powered from OBD-II connector	Based on user's PC				●	●	
Length of time to fully charge unit			Based on user's PC						
Length of time unit runs on one charge			Based on user's PC				2 hours		
Unit boot-up time	10 seconds		Based on user's PC	5 seconds		30 seconds	15 seconds		5 seconds
High-resolution color screen	●	●	Based on user's PC	●		●	●		
Touchscreen interface		Based on user's PC or tablet	Based on user's PC	●					●
Screen size	3.5"	Based on user's PC or tablet	Based on user's PC	8"		4"	3.5"		4"
Printable vehicle diagnostic report capabilities	●	●	●	●				●	●
USB port		●	●	●		●	●		●
VGA port								●	
HDMI port									
Wireless VCI (unit-to-car capabilities)		● (Bluetooth)	●						
Wi-Fi/Internet capable			●						
Available Tool Add-Ons									
5-gas analyzer		●	●	●					
TPMS resets				●					
TPMS relearns				●					
Labscope capability		●							
J2534 reflash and pass-thru diagnostic capability			●						
Multimeter		●							
Software, Website, Support & Service Features									
Manufacturers warranty	1 year	1 year	1 year	1 year		1 year	1 year	1 year	1 year
Call-in support	855-288-3587	505-265-5077	570-587-7082	844-fcar-usa		●	●	800-533-6127	800-424-7226
Field/Rep support			Remote	●		●	●		●
Length of subscription	1 year	1 year		2 years free		1 year			
Updatable via the Internet	●	●	●	●		●	●		●
Frequency of updates, if applicable	Monthly	As-needed	As-needed	As-needed		Monthly	As-needed		As-needed
Cost per update	\$150	Free for at least 1 year	\$0 - \$75	\$500		Free	Free		Free
Optional repair solutions for VIN-specific fixes							●		
Optional diagnostic and repair procedure instructions + videos		●		●		In progress	●		
Includes the following repair information services									
Interfaces with the following shop management systems			iShop						
Most Important Feature	Access all controllers on all manufacturers	SharpShooter fuel trim and volumetric efficiency tables	Feature-rich scan tool software with HD graphing	Affordable and easy to use		Enhanced engine, transmission, ABS, SRS	Powertrain code scanner, ABS and air bag	CodeConnect 20 million confirmed vehicle fixes	Troubleshooter code tips

Current
2010
Ford

P0036
HO2S Heater Control Circuit Sensor 2

DESCRIPTION Code Assist

CODE CRITERIA

CODE ASSIST

PCM PIN

LOCATION

SCAN TEST

DIAGRAM

Description	Element	Action
Frequently Reported Fix	Oxygen (O2) Sensor(s)	Replaced
Also Reported Fix	Fuse(s)	Replaced
Also Reported Fix	Ignition Relay	Replaced
Also Reported Fix	Ignition Switch	Replaced

Screenshot showing Code-Assist repair information and direct link to repair assets Identifix and iATN. Internet connection required to access direct link assets.

Current
2010
Ford

SPECIAL TESTS

Power Balance

PCM

Power balance

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- 🔧 **One tool. One yearly subscription**
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- 👤 **Specialized & Dedicated Customer Support**
- 📱 **Comprehensive software interface. Easy to navigate**
- 🌐 **Business Management Solutions**



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COMPANY NAME	AE Tools	Autel	AutoEnginuity	Autoland Scientech USA	Autologic	Blue Streak Electronics	EASE Diagnostics	FCAR Tech USA	Hella Gutmann Solutions	Hickok Inc	Launch Tech	Mac Tools	MAHLE	Matco Tools	OTC Tools	Ross-Tech	Snap-on Diagnostics	TEXA USA	
PRODUCT NAME	Chrysler MicroPOD II	MS906TS	Giotto	VeDis-II	AssistPlus	Ottotest Diagnostics	X2.2 Pro Scan Tool Suite Software	F3G all-in-one	mega macs PC	NGSPC On Demand	PAD II	ET6200	TechPRO	maxME	3893 Encore	Wireless Professional Kit for VCDS and VCDS- Mobile	Ethos Pro	TXTs with IDC4E Car/SuperCar	
Price																			
Less than \$500						●													
\$501-\$2,000		●				●	●			●			●	●		●	●		
\$2,001 to \$4,500	●		●	●				●	●		●	●			●				
\$4,501 to \$10,000				●															●
More than \$10,000					●														
Scanning Functions (1996 to Present)																			
Fully supports all 10 modes of OBD-II scan tool operation (Mode 1 through Mode OA)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Other Functions																			
Anti-theft/key duplication		●	Some	●		●		●		●	●			●			●		
Enhanced bi-directional controls	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Reset oil lights	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Inspection interval lights	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Electronic brake service	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
J2534 reflash and pass-thru diagnostic capability		●	Optional	●	●	●	Pass-thru						Optional						●
Steering angle service	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●
Record and play back OBD-II live data	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●, also Native V.A.G. Data	●	●
Vehicle search capability/scanning by VIN	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Live Data Stream -- Digital																			
Graphs live data on screen	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Graphs multiple PIDs on screen simultaneously	10+	4	8	●	10+	8	24	3	●	4	15	●	Unlimited	8	●	12	4	8	
Engine coverage - ECM (codes, data or both)	Both	Both	Both	Both	Both	Both	Both	Both	●	Both	Both	Both	Both	Both	Both	Both	Both	Both	
Engine and transmission coverage - PCM (codes, data or both)	Both	Both	Both	Both	Both	Both	Both	Both	●	Both	Both	Both	Both	Both	Both	Both	Both	Both	
ABS Coverage (codes, data or both)	Both	Both	Both	Both	Both	Both	Both	Both	●	Both	Both	Both	Both	Both	Both	Both	Both	Both	
SRS Coverage (codes, data or both)	Both	Both	Both	Both	Both	Both	Both	Both	●	Both	Both	Both	Both	Both	Both	Both	Both	Both	
HVAC (codes, data or both)	Both	Both	Both	Both	Both	Both	Both	Both	●	Both	Both	Both	Both	Both	Both	Both	Both	Both	
Vehicle Coverage																			
Enhanced Domestic Coverage																			
All		●	●			●	●	●			●	●	●	● - with subscription	●		●		
Most	Chrysler, Dodge, Jeep, Fiat			●															
Some										Ford									●
None					●				●							●			
Enhanced Asian Coverage																			
All		●	●	●		●		●			●	●		● - with subscription	●		●		
Most					●		●												
Some													●						●
None									●	●						●			
Enhanced European Coverage																			
Alfa Romeo		●		●				●										●	●
Audi		●	●	●	●		●	●	●		●	●		● - with subscription		●	●		●
Bentley		●	●				●	●							●	●			●
Bugatti		●	●				●												●
BMW		●	●	●	●		●	●	●		●	●		● - with subscription	●		●		●
Ferrari			●					●			●								●
Lotus								●											●
Maserati		●	●					●											●

COMPANY NAME	AE Tools	Autel	AutoEnginuity	Autoland Scientech USA	Autologic	Blue Streak Electronics	EASE Diagnostics	FCAR Tech USA	Hella Gutmann Solutions	Hickok Inc	Launch Tech	Mac Tools	MAHLE	Matco Tools	OTC Tools	Ross-Tech	Snap-on Diagnostics	TEXA USA
PRODUCT NAME	Chrysler Micro- POD II	MS906TS	Giotto	Vedis II	AssistPlus	Ottotest Diagnostics	X2.2 Pro Scan Tool Suite Software	F3G all-in-one	mega macs PC	NGSPC On Demand	PAD II	ET6200	TechPRO	maxME	3893 Encore	Wireless Professional Kit for VCDS and VCDS-Mobile	Ethos Pro	TXTs with IDC4E Car/SuperCar
Vehicle Coverage																		
Enhanced European Coverage Cont.																		
Maybach		●	●					●										●
Mercedes		●	●	●	●		●	●	●		●	●		● - with subscription	●		●	●
Mini Cooper		●	●	●	●			●			●	●		● - with subscription	●		●	●
Opel		●	Some	●				●			●			● - with subscription				
Peugeot		●		●	Limited to UK customers			●			●			● - with subscription				
Porsche		●	●	●				●	●		●			● - with subscription			●	●
Renault		●		●	Limited to UK customers			●			●			● - with subscription				
Saab		●		●			●	●	●		●	●		● - with subscription				
Volkswagen		●	●	●	●		●	●	●		●	●		● - with subscription	●	●	●	●
Volvo		●		●	●		●	●	●		●	●		● - with subscription	●		●	●
Other		Abarth, Fiat, Jaguar, Lamborghini, Land Rover, Rolls Royce, Smart and Sprinter	Smart, Vauxhall	●	Jaguar and Land Rover				Fiat, Mini, Smart and Sprinter		●	Jaguar and Land Rover			Fiat, Jaguar, Land Rover and Smart	Lamborghini	Fiat, Jaguar, Land Rover and Smart	Aston Martin, Jaguar, Lamborghini, Land Rover, McLaren, Rolls Royce and more
OBD-I Adapters (Pre-1996)																		
Domestic coverage				●			●	●			●	●		MEOBD1 kit available separately			●	
Asian coverage			Some Nissan	●				●			●	●		MEOBD1 kit available separately			●	
European coverage			Some BMW and Mercedes Benz	●	●			●	●		●	●		MEOBD1 kit available separately		●	●	●
Unit Features																		
Unit type		Tablet	PC-based	Handheld	Tablet	PC-based	User's PC-Based / Tablet				Handheld	Tablet		Tablet	Tablet	VCDS: PC-based, VCDS- Mobile: Any computer platform with Wi-Fi and a web browser.	Handheld	PC-based
Requires separate laptop or PC	●	●				●	●		●	●			Optional			●, user provided		●
Operating system	Windows 7	Android	Windows	Proprietary	Customer	Windows XP, 7, 8, 10	Windows Vista, 7, 8, 10	FCAROS	Windows	Windows XP - Windows 10	Android	Android	Windows 7, 8, or 10	Android	Android	Windows, OSX, iOS, Android	SMX	Windows Vista, 7, 8, 8.1, 10
Hard drive size		32 GB SSD	Requires 200 MB		Cloud -based	Requires 3 GB	1 GB		2 GB		32 GB and expandable to an additional 32 GB	8 GB	Based on user's device	32 GB	128 MB for saving vehicle info, record and playback	Based on user's device		
Built-in memory or memory on included SD card		32 GB SSD		4 GB	Cloud -based	Based on user's device	Based on user's PC	8 GB			1 GB	2 GB	Built-in	2 GB built-in		Based on user's device	4 GB	
Multilingual	●	●	English / Spanish		English and German			●	●			●	●	●	●	14 languages		●
Internal battery included		●			●	Based on user's device	Based on user's PC		●	●	●	●	Based on user's device	●	●	Based on user's device	●	
Length of time to fully charge unit		2 hours			3 hours	Based on user's device	Based on user's PC				2 hours	2 hours	Based on user's device	2 hours		Based on user's device		
Length of time unit runs on one charge		3 hours			3.5 hours	Based on user's device	Based on user's PC				6+ hours	4 hours	Based on user's device	6 to 8 hours		Based on user's device	4 hours	
Unit boot-up time		20 seconds		9 seconds	1 minute	Based on user's device	Based on user's PC	5 seconds	30 seconds		4 seconds from Android standby	15 seconds	8-10 seconds	<25 seconds	25 seconds	Based on user's device	10 seconds	Based on user's PC
High-resolution color screen		●		●	●	Based on user's device	Based on user's PC	●			●	●	Based on user's device	●	●	Based on user's device	●	

COMPANY NAME	AE Tools	Autel	AutoEnginuity	Autoland Scientech USA	Autologic	Blue Streak Electronics	EASE Diagnostics	FCAR Tech USA	Hella Gutmann Solutions	Hickok Inc	Launch Tech	Mac Tools	MAHLE	Matco Tools	OTC Tools	Ross-Tech	Snap-on Diagnostics	TEXA USA	
PRODUCT NAME	Chrysler Micro- POD II	MS906TS	Giotto	Vedis II	AssistPlus	Ottotest Diagnostics	X2.2 Pro Scan Tool Suite Software		F3G all-in- one	mega macs PC	NGSPC On Demand	PAD II	ET6200	TechPRO	maxME	3893 Encore	Wireless Professional Kit for VCDS and VCDS-Mobile	Ethos Pro	TXTs with IDC4E Car/SuperCar
Unit Features Cont.																			
Touchscreen interface		●	●		●	Based on user's device	Based on user's PC		●	●		●	●	Based on user's device	●	●		●	
Screen size		8"		5.7"	13.3", 1366 x 768,	Based on user's device	Based on user's PC		8"			10.1"	7"	Based on user's device	8"	7"	Based on user's device	5.6 "	
Printable vehicle diagnostic report capabilities		●	●	●, through the File Manager Print function, desktop only	●	●	●	●	●		●	●	●	●	●	●	●	●	●
USB port		●	Required	●	●	Based on user's device	●	●	●		●	●	●	●	●	●	Based on user's device	●	
VGA port						Based on user's device										●	Based on user's device		
HDMI port						Based on user's device					●			●			based on user's device		
Wireless VCI (unit-to-car capabilities)		●	●			Optional	●		●		●	●	●	●	●	●	●		
Wi-Fi/Internet capable	●	●		●	●	●	●		●		●	●	●	●	●	●	●		
Available Tool Add-Ons																			
5-gas analyzer							●	●											●
TPMS resets	●	●		●	●			●			●	●				●		●	●
TPMS relearns	●	●		●	●			●			●	●				●		●	●
Labscope capability											●								●
J2534 reflash and pass-thru diagnostic capability			●	●	●	●	●							Optional					●
Multimeter											●					●			●
Software, Website, Support & Service Features																			
Manufacturers warranty	1 year	1 year	1 year	1 year	1 year hardware	1 year	1 year	1 year	1 year	1 year	1 year	1 - 2 years (based on distribution)	2 years	2 years	2 years	1 year	1 year	1 year	1 year
Call-in support	Unlimited 1-844-witech1	855-288-3587	480-827-TOOL	●	877-945-6442	877-916-8324	570-587-7082		844-fcar-usa	855-284-2285	216-541-8060	●	●	800-468-2321	877-853-3738	800-533-6127	267-638-2300	800-424-7226	TEXA distributor contact
Field/Rep support			●	●	●	●	Remote		●	●		●	●	●	●	●		●	●
Length of subscription	1 year	1 year	1 year	1 or 2 years	1 year minimum	1 year/monthly			2 years free	1 year	1 week, 1 month, 1 year	1 year	1 year	1 year	30 days renewable	1 year	1 year, no charge for renewal	1 year	1 year
Updatable via the Internet	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●
Frequency of updates, if applicable	Monthly	Weekly	Quarterly	As-needed	Monthly when available	Monthly and as- needed	As-needed		As-needed	2 major updates, many small updates	As-needed	Weekly	Real-time	Monthly	Weekly	4 times per year minimum	As-needed	6 months	As-needed
Cost per update	\$1,445 per year	\$695	\$450 per year	\$500 for 1 year / \$800 for 2 years	Included in subscription	\$99/Month, 6 Months in advance	\$0 - \$495		\$600	\$1,248 per year	\$39.95 - \$495	\$699	\$695.99	\$0	\$0 - included with subscription	\$750	Free	\$299	\$595 per year (Optional)
Optional repair solutions for VIN-specific fixes					●	●			●	●			●	●	●	●			
Optional diagnostic and repair procedure instructions + videos					Technical videos and webinars	●			●	●	●	●, via third- party apps	●	With repair information subscription		●	Free via Ross-Tech Wiki	●	
Includes the following repair information services:	Yes, with Tech authority subscription				Not included but possible with web browser				●				60-day to Identifix	Many possible, with repair information subscription	Identifix	Integrates with Identifix, Mitchell1 and AllData, requires technician subscription	Ross-Tech Forum, Ross- Tech Wiki		
Interfaces with the following shop management systems							iShop					Links for all popular mobile Internet- based services		All					
Most Important Feature	100 percent CAN vehicle coverage for Chrysler, Dodge, Jeep and Fiat	TPMS activation and reset tool built into tablet	Breadth and depth of coverage	Comprehensive diagnostic capability, including coding and J2534 pass- thru.	Only vehicle connected support center platform in the world	Customer service and support	Feature-rich scan tool software with HD graphing		Most car and truck coverage; affordable	Unlimited technical repair assistance from master technicians	PATS Power Balance	Android based fully enhanced bi-directional, all makes	Full bi- directional capability and lifetime warranty	Fastest speed diagnostic tool available, according to the company.	Only scan tool with a patented, pay-as-you- go software subscription	On-tool repair information	Test Readiness monitors without driving vehicle	Automatic diagnostic sequence - boot-up, ID, code scan	Great coverage on European makes and supercars

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COMPANY NAME	Bosch	CanDo Diagnostics	Cojali USA, Inc.	Diagnostic Innovations LLC	FCAR Tech USA	Launch Tech	NEXIQ Technologies	Noregon	Snap-on Diagnostics	TEXA USA
PRODUCT NAME	3824 ESI[truck]	HD Pro II	Jaltest	VDA20P	F3N Truck Pro	HD Truck Box	Pocket iQ	JPRO Professional	Pro-Link Ultra	TXTs with IDC4E TRUCK
Price										
Less than \$500										
\$501-\$2,000							•	JPRO Professional software annual subscription		
\$2,001 to \$4,500		•			•			JPRO Professional software plus adapter and cables	•	•
\$4,501 to \$10,000	•		•	•		•		JPRO Professional software complete Fleet Service Kit (incl. Laptop)	•	
More than \$10,000	•								•	
Enhanced/Proprietary Coverage										
Engine Modules - Heavy Duty										
Caterpillar	•	•	•	•	•	•	Optional	•	•	•
Cummins	•	•	•	•	•	•	Optional	•	•	•
Detroit Diesel	•	•	•	•	•	•	Optional	•	•	•
International/Navistar	•	•	•	•	•	•	Optional	•	•	•
Kenworth/Peterbilt (PACCAR)	•	•	•	•	•	•		•	•	•
Mack/Volvo	•	•	•	•	•	•		•	•	•
Engine Modules - Medium Duty										
Chrysler	•	•	•	•	•	•			•	•
Cummins	•	•	•	•	•	•		•	•	•
Ford	•	•	•	•	•	•		•	•	•
GM	•	•	•	•	•	•		•	•	•
Hino	•	•	•	•	•	•		•	•	•
Isuzu	•	•	•	•	•	•		•	•	•
International/Navistar	•	•	•	•	•	•	Optional	•	•	•
Mitsubishi Fuso Truck of America		•	•		•	•			•	•
Kenworth/Peterbilt (PACCAR)	•	•	•	•	•	•		•	•	•
Brakes										
Bendix		•	•	•	•	•	Optional	•	•	•
HalDEX		•	•	•	•	•	Optional	•	•	•
Wabco		•	•	•	•	•	Optional	•	•	•
Transmission										
Allison	•	•	•	•	•	•		•	•	•
Eaton	•	•	•	•	•	•		•	•	•
Scanning Functions										
Reads trouble codes	•	•	•	•	•	•	•	•	•	•
Displays vehicle information/VIN #	•	•	•	•	•	•	•	•	•	•
Displays heavy duty standard codes	•	•	•	•	•	•	•	•	•	•
Displays heavy duty proprietary codes	•	•	•	•	•	•	•	•	•	•
Enhanced Bi-directional Controls										
Anti-lock brake system (ABS)	•	•	•	•	•	•	•		•	•
Automatic transmissions		•	•	•	•	•			•	•
Injector cutout		•	•	•	•	•	•	•	•	•
Injector programming	•	•	•	•	•	•		•	•	•
Manual/forced regeneration		•	•	•	•	•	•	•	•	•
Replace DPF/ash reset		•	•			•	•	•	•	•
SCR/DEF controls		•	•		•	•		•	•	•
Trailer brakes (ABS/EBS)		•, if connected to ECU of truck	•		•		•		•	•
Calibrations for variable vane turbo (Cummins, Detroit Diesel, International/Navistar, Kenworth/Peterbilt (PACCAR), Mack/Volvo)	•	All listed	•	•	International/Navistar, Mack/Volvo	All listed		Cummins	Cummins, Detroit Diesel, International/Navistar, Mack/Volvo	All listed
Live Data Stream -- Digital										
Data logging	•	•	•	•	•	•	•	•	•	•
Guided diagnostics	•		•	•	•			•	With subscription of Repair Connect	
Graphs live data on screen	•	•	•	•	•	•	•	•	•	•
Graphs multiple values on screen simultaneously	Up to 6	4	4	•	3	8	4	15+	8	8
Auto identification by VIN #	•	•	•	•	•		•	•	•	•
Provides NOX values for diagnosis of emissions related failures?	•		•			•	•		•	•

COMPANY NAME	Bosch	CanDo Diagnostics	Cojali USA, Inc.	Diagnostic Innovations LLC	FCAR Tech USA	Launch Tech	NEXIQ Technologies	Noregon	Snap-on Diagnostics	TEXA USA	
PRODUCT NAME	3824 ES[truck]	HD Pro II	Jaltest	VDA20P	F3N Truck Pro	HD Truck Box	Pocket iQ	JPRO Professional	Pro-Link Ultra	TXTs with IDC4E TRUCK	
Features on Unit											
Unit type	Tablet	Handheld	PC-based	Detachable laptop	Handheld	Tablet add-on module	Handheld	Laptop	Handheld	PC-based	
Operating system	Windows 7 and 8	Proprietary		Windows 7 and 10	FCAROS	Android		Windows 7 Professional, 8.1, 10	Windows Mobile	Windows Vista, 7, 8, 8.1, 10	
Hard drive size		2 GB		256 GB		32 GB	8 GB	320 GB HD	16 GB		
Built-in memory or memory on included SD card		Both, comes with 8 GB SD, expandable to 32 GB		8 GB	8 GB	1 GB	8 GB (built-in)	Up to 8 GB	16 GB		
Multilingual	●	●	●	●	●		English	●		●	
Internal battery included	●	●	●	●		●	●	●	●		
Length of time to fully charge unit		60 minutes		180 minutes		180 minutes	60 minutes	120 minutes	180 minutes		
Length of time unit runs on one charge	3 hours	4 hours		Full Shift with optional 2nd battery		6 hours	4-6 hours	8 hours	4-6 hours		
Unit powers off vehicle	Capable	●					●	●	●		
Unit boot-up time	1 minute	2 seconds			5 seconds	4 second-Android standby	15 seconds	45 seconds	25 seconds	Based on user's PC	
High-resolution color screen	Color, not hi-res	●		WUXGA 1920x1200	●	●	VGA	●	●		
Touch screen interface (size in inches)	10"	8"		10.1"	8"	10.1"	3.5"		8.4"		
Print vehicle diagnostic reports capabilities	●	Optional printer	●	●	●	●	●	●	●		
Requires separate laptop or PC (see "Unit Type")	Optional		●			●, Launch PAD II				●	
USB port	●	●	●	●	●	●	●	4 USB			
VGA port	●							●			
HDMI port				●		●		●			
Wireless VCI (unit-to-car capabilities)	●		●				VCI built-in	●			
Wi-Fi/Internet capable	●		●	●			●	●	●		
Available Tool Add-Ons and Cables											
3-pin Deutsch		●	●			●	●	●	●	●	
6-pin Deutsch	Included	●	●	●	●	●	●	●	●	●	
9-pin Deutsch (J1939 type 2)	Included	●	●	●	●	●	●	●	●	●	
9-pin CAT Deutsch		●	●	●	●	●	●	●	●	●	
8-pin Volvo		●	●			●	●	●		●	
14-pin Volvo		●	●			●	●			●	
Automotive 16-pin J1962	Included	●	●			●	●		●	●	
Mack/Volvo 16-pin J1962	Included	●	●		●	●	●		●	●	
Labscope capability						●				●	
Multimeter						●				●	
OBD-II	Generic coverage	●	●	●	●	●	●	●	●	●	
Software, Website, Support & Service Features											
Manufacturers warranty	1 year	2 years	1 year	3 years	1 year		1 year	1 year	3 years on laptops / 1 year on adapters	1 year	1 year
Call-in support	800-533-6127	909-226-3611	305-960-7651, 1-800-975-1865	248-850-7690	844-fcar-usa		●	800-639-6774	855-889-5776	800-311-5452	TEXA distributor contact
Field/Rep support	●		●	Remote online support	●		●	●	●	●	●
Length of subscription	1 year	2 years	1 year	1 year	2 years free		1 year		1 year	None required	1 year
Updatable via the Internet	No, subscription renewal card / number provided	●	●	●	●		●	●	●	●	●
Frequency of updates, if applicable (monthly, as-needed, other)	3 per year	Monthly	3 per year	Varies	As-needed		Monthly	As-needed	3 to 4 per year	As-needed	As-needed
Cost per update	\$1,500	\$1K per year	\$1,325.00	Varies	\$550		\$699	Varies	Included with subscription	\$300-\$600 average	\$ 795 per year (optional)
Troubleshooting	●		By fault codes and symptoms		●				●	●	●
Optional diagnostic and repair procedure instructions + videos	Has technical data and embedded repair information	●	●	●	●		●, via third-party apps	Videos	●	●	
Includes the following repair information services	Includes embedded troubleshooting and repair information		Jaltest info online						Mitchell 1	Mitchell Repair Connect Subscription	
Most Important Feature	Bi-directional diagnostics	Ag, industrial and commercial coverage all-in-one unit	All makes, all models, one license	Utilizes the rugged Panasonic Toughbook 20 computer that can transform from a laptop to a tablet	Affordable coverage and easy to use		Wireless Bluetooth VCI	Fast, low-cost, reliable preventive maintenance product	Users can view the entire vehicle in one connection, fast	Multiple module connection and vehicle health check	Depth of coverage for all common HD/MD makes

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Diagnostic Innovations LLC

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www.diagnosticinnovations.com



EASE Diagnostics
www.obd2.com



FCAR Tech USA, LLC
www.fcarsusa.com



Hella Gutmann Solutions
usa.hella-gutmann.com



Hickok/Waekon
www.hickok-inc.com



Launch Tech USA
www.launchtechusa.com



Mac Tools
www.mactools.com



Service Solutions
MAHLE Service Solutions
www.servicesolutions.mahle.com



Matco Tools
www.matcotools.com



NEXIQ Technologies
www.nexiq.com



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OTC, Bosch Automotive Service Solutions
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