

<b>ABRITES USA PRICE LIST</b>		
<b>#</b>	<b>Product Description</b>	<b>Price \$</b>
<b>I18</b>	<b>AVDI Basic Diagnostic Package</b>	<b>\$1,000.00</b>
	The set consist of “AVDI diagnostic interface”, PC-Windows based software with general diagnostic functions such as displaying/clearing DTCs, measured values (live data) display, actuator tests and basic coding/configuration functions. Covered vehicle brands are Audi, Volkswagen, Seat, Skoda, Bentley, BMW, Mini, Porsche, Opel, Vauxhall, Toyota, Lexus, Scion, Mercedes, Smart, Maybach, Renault, Mitsubishi, Hyundai, Kia, Fiat, Alfa, Lancia, Peugeot, Citroen, Chrysler, Jeep, Dodge, Ford, Mazda, Volvo, Daihatsu, Subaru. Set includes PassThru (SAE J2534) compatible driver will allow usage of 3-rd party Hyundai/Kia GDS, GDS2 and Tech2Win – GM/OPEL, Jaguar, Land Rover, Mercedes DAS, BMW, Mini, Volvo, SkiDoo, SeaDoo, CanAm, Fiat Examiner, Toyota, Honda, VW/Audi/Seat/Skoda/Bentley/Lamborghini ODIS ....). Additionally you will receive VCI emulator which can allow AVDI to emulate different interface units (like K-line interface, ELM327 interface, ..). Emulation allowing you usage of many additional 3-rd party software’s – Webasto TT, Evinrude Diagnostics, Suzuki/Yamaha Marine Diagnostics and many other. Initial purchase of AVDI interface includes one year software update of the basic diagnostic suite, tools and our online services and one year free support plan.	
<b>AMS</b>	<b>Annual Maintenance Subscription</b>	<b>\$250</b>
	12 month subscription to access the latest software releases and online services	
	Your initial purchase of the AVDI interface includes a one year access to the latest software updates of the basic diagnostic suite, tools, and our online services. To keep your software applications up to date and to maintain usage of our online services we recommend the Annual Maintenance Subscription. Annual Maintenance Subscription is a renewable one year subscription. Annual Maintenance Subscription does not provide any support coverage - this is provided separately by the Support Plan.	
	An active AMS is required to purchase additional special functions	
<b>ZN002</b>	<b>PROTAG Programmer</b>	<b>\$499.00</b>
	The PROTAG programmer is the latest generation tool intended for operation with keys and transponders used in the latest authentication systems and immobilizers. TA31 Abrites extractor is included in the box.	
<b>ZN030</b>	<b>ABPROG Programmer</b>	<b>\$399.00</b>
	The following ICs are supported M35080xx, D080D0WQ, D160D0WQ, SPI 95xxx, I2C 24XXX, Microwire 93XXX, mcu in BCM2 of Audi A4/A5/Q5/A6/A7/A8/ VW Touareg, mcu in BCM of Renault Megane III, Scenic III, Fluence. ABPROG programmer (ZN030) including the ZN031, ZN033 and ZN046 adapters. The ABPROG programmer works with the AVDI interface only.	
	This package also includes key renewal functionality. Please click here to view a full list of the supported key types.	
<b>ZN051</b>	<b>ABRITES Distribution Box</b>	<b>\$240.00</b>
	The Distribution box consists of the following hardware: box with PCB and various sockets, set of cables with pins and fuses, HD15 Direct connection cable, crocodile pins, needle pins and DB25 AVDI connection cable.	
<b>VINR</b>	<b>VIN Reader</b>	<b>\$115.00</b>
	The VIN Reader is a bluetooth-enabled device that allows the user to read the VIN (Vehicle Identification Number) from all modules that contain one in the vehicle. The reported VINs are also compared to all entries in a stolen-vehicle database after the scan.	
<b>VAG Diagnostics</b>		
<b>VN002</b>	<b>VAG Parts Adaptation Special Function</b>	<b>\$2,960.00</b>
	Special function for adapting electronic modules for VAG vehicles	
	For owners of functions AN043, AN045, AN046, AN048, AN049, AN052, AN053, AN055, AN056, AN057 please see below.	
	If you own one or more functions from the bundle AN043, AN045, AN046, AN048, AN049, AN052, AN053, AN055, AN056, AN057 your price for VN002 will be the difference between the total price \$2960, (2500 €) and the sum of the prices of the functions you own, calculated on the following single prices:	
	<b>AN043</b>	<b>\$120</b>
	<b>AN045</b>	<b>\$180</b>
	<b>AN046</b>	<b>\$120</b>
	<b>AN048</b>	<b>\$295</b>
	<b>AN049</b>	<b>\$470</b>

	<b>AN052</b>	<b>\$710</b>
	<b>AN053</b>	<b>\$295</b>
	<b>AN055</b>	<b>\$120</b>
	<b>AN056</b>	<b>\$530</b>
	<b>AN057</b>	<b>\$120</b>
	Extracting and displaying immobilizer related data by diagnostic. Ability for alignment of immobilizer related data - cluster/ecu. Displaying immobilizer related data from dump of flash and eeprom of micronas mcu in IPC.	
	Read/Program memory of instrument cluster immobilizer	
	Read/Update immobilizer related data	
	Read/Update immobilizer data in VDO dashboards with NEC microcontroller (2009+) by OBDII	
	Extracting and displaying PIN code, control module configuration memory content, component security data from engine control units EDC16, MED9.x, Simos PPD 1.1/1.5, Magneti Marelli 4HV,7GV. Emergency start for engine control units EDC16. The whole EEPROM could be read for EDC15/ME7/EDC16. For MED9 and Simos engine control units only the PIN/CS/MAC is displayed.	
	Advanced Diagnostic Functionality - Ability to manage stored crash data and configuration memory of electronic control unit. Read/Update Config Data of airbag control units Siemens (CAN bus - ISO15765). Audi A6/Q7/Allroad, VW Golf5..., Skoda Octavia II ..., Seat Altea ... With this special function, you can Read/Update ConfData memory of the airbag module. Clear the crash data of the airbag module.	
	Covered units for Read/Update ConfData:	
	1. All Siemens CAN Airbags 2003-2008 like 4F0959655B (Audi A6/Q7/Allroad 2003-2008), 1K0909605AB, 1K0909605C, 1K0909605AD, etc...	
	2. K-Line Airbags (Siemens and Bosch) - 1C0 909 605 C, 8L0 959 655 A, 1J0 909 609, 6Q0 909 605 C,6Q0 909 605 A, 6Q0 909 605 B, 3B0 959 655 B, 1C0 909 605 F, 1C0 909 605 H, 1J0 909 607, 1J0 909 603, 4B0 959 655 C, 4B0 959 655 J, 4D0 959 655 C, 8L0 959 655 F,8A0 959 655 C, 8A0 959 655 K, 8A0 959 655 K, 4D0 959 655 H, 8D0 959 655 C, 8D0 959 655 L	
	Preparation of a key ready for adaptation by diagnostic to the vehicles with BCM2 - Audi A4, S4, RS4, A5, S5, RS5, A6, A7, A8, Q5 / VW Touareg	
	+ ILM Front passenger ((ILM Beifahrer) - Audi A8 2003-2010	
	Component protection generation 2	
	EZS-Kessy Audi A6/Q7 2004-2009 by OBDII	
	Comfort module Audi A6/Q7 2004-2009 by OBDII	
	Climantronic Audi A6/Q7 2004-2009 by OBDII	
	Airbag Audi A6/Q7 2004-2009 by OBDII	
	Airbag Audi A4/A5/Q5 2008+ from Bosch by OBDII	
	Instrument cluster Audi A6/Q7 2004-2009 by OBDII	
	Instrument Cluster Audi A4/A5/Q5 2008+ by OBDII	
	Infotainment electr. Audi A4/A5/Q5 2008+ by OBDII	
	- All other modules (e.g. DSP) with component protection generation 2	
	for A6/Q7 2004-2009 and A4/A5/A5 possible only if you have dump from gateway from where module was originally build	
	+ Adaptation of engine control units to the vehicle - EDC16,EDC17, MED17, MED9, Simos PPD, ME7.5.20, ME7.5.30	
	Kessy Audi A8/VW Touareg/Phaeton	
	Comfort module VW Passat B6/CC	
	Transmission gearbox Audi A6/Q7/Allroad/A8	
	EZS-Kessy Audi A6/Q7/Allroad	
	BCM2 immobilizer - Audi A4, S4, RS4, A5,S5, RS5, A6, A7, A8, Q5 / VW Touareg	
	read the PIN and CS of the EDC17/MED17 engine control units. With this function is possible to read even engine control units 2012+ which are with	
	updated software and is not possible to read normally by OBDII.With this special function the EDC17/MED17 is not read through OBDII - you should have direct connection to the engine	
	control unit. It is possible to make this on the table, you need to connect only 12V, GND, Ignition, CAN-H and CAN-L. It is possible to read the ECU also in the car, but you need to find	
	somewhere the CAN-H (orange-black) and CAN-L (orange-brown) wires. So connect them to the AVDI and you will be able to read the engine control units.	
	adapt the transmission control unit (TCU) to the immobilizer (BCM2). For that purpose is necessary first to read the TCU. The TCU is not possible to be read by OBDII,	
	but is possible to read it when you connect the TCU on the table, or when you connect the AVDI to the internal CAN-Bus of the car.	

	To read from the internal CAN-Bus, find the orange/black and orange/brown CAN wires and make the following connection of the AVDI:	
	- orange/black <-> CAN-H (PIN6 of the OBDII)	
	- orange/brown <-> CAN-L (PIN14 of the OBDII)	
	- Ground <-> GND (PIN4 of the OBDII)	
	- 12V <-> 12V (PIN16 of the OBDII)	
	+reading the PIN/CS/MAC of the Simos PCR 2.1 engine control unit.	
	NOTE: This function requires internet access	
	New AVDI Interface or active AMS is required to purchase this special function.	
<b>VN003</b>	<b>VAG Key Learning Special Function</b>	<b>\$3,715.00</b>
	Special function for learning keys to VAG vehicles	
	For owners of functions AN043, AN044, AN045, AN049, AN050, AN059 please see below.	
	If you own one or more functions from the bundle AN043, AN044, AN045, AN049, AN050, AN059 your price for VN003 will be the difference between the total price \$3715, (3150 €) and the sum of the prices of the functions you own, calculated on the following single prices:	
	<b>AN043</b>	<b>\$120</b>
	<b>AN044</b>	<b>\$825</b>
	<b>AN045</b>	<b>\$180</b>
	<b>AN049</b>	<b>\$470</b>
	<b>AN050</b>	<b>\$1,060</b>
	<b>AN059</b>	<b>\$1,060</b>
	+Extracting and displaying immobilizer related data by diagnostic. Ability for alignment of immobilizer related data cluster/ecu. Displaying immobilizer related data from dump of flash and eeprom of micronas mcu in IPC	
	Read/Program memory of instrument cluster immobilizer	
	Read/Update immobilizer related data	
	Read/Update immobilizer data in VDO dashboards with NEC microcontroller (2009+) by OBDII	
	+ Extracting and displaying PIN code, control module configuration memory content, component security data from engine control units EDC16, MED9.x, Simos PPD 1.1/1.5, Magneti Marelli 4HV,7GV. Emergency start for engine control units EDC16. The whole EEPROM could be read for EDC15/ME7/EDC16. For MED9 and Simos engine control units only the PIN/CS/MAC is displayed.	
	+ This function will allow the preparation of a key ready for adaptation by diagnostic to the vehicles with BCM2 - Audi A4, S4, RS4, A5,S5, RS5, A6, A7, A8, Q5 / VW Touareg	
	+ Guided key adaptation functions, preparation keys suitable for the vehicle (dealer's keys). Included are also Audi A6, Audi Q7, Audi Allroad, VW Crafter(with EDC16 ECU), VW Passat, (BCM2 based vehicles are supported only with the help of ABProg*)	
	Key programming/adaptation	
	Reading security code (PIN) and component protection by OBDII - VW CRAFTER	
	EZS - Kessy (Q7/A6/Allroad) - With this function you can prepare dealer key/learn dealer key- Read/Update ConfData from EZS - Kessy (Q7/A6/Allroad)	
	Programming keys by OBDII (VAG with 16 bytes Component Security) - VW Crafter, Audi R8, VW Golf 6, VW Multivan 2009+, VW EOS 2009+, VW Caddy 2009+, VW Scirocco, VW Polo 2009+, VW Bora 2010+, VW Jetta 2010+, Skoda Octavia II 2009+, Skoda Superb 2009+, Skoda Fabia 2009+, Skoda Yeti 2009+, Seat Leon 2009+, Seat Altea 2009+, Seat Exeo 2009+, Seat Ibiza 2009+, ...	
	Extracting of the 7th byte Component Security from a working key of the car (Megamos, Hitag2)	
	LAMBORGHINI GALLARDO	
	Key learning for Audi A6/A7/A8 with ALL KEYS LOST.	
	New AVDI Interface or active AMS is required to purchase this special function.	
<b>VN005</b>	<b>VN005 - Immo III/IV emulation</b>	<b>\$880.00</b>
	The function allows to replace immo-related parts in another vehicle, even when the brand is different or the power class is different.	
	The function works for the transmissions of Audi A6 2003-2010, Audi Q7 2005-2015, Audi A8 2003-2010,	
	and for all Immo III/IV engine control units where writing is not permitted. (EDC16/EDC17/ME7/MED9/MED17/Simos benzin/Simos PPD/Simos PCR/Magneti Marelli/Delphi). The function requires internet connection and a complete VN002.	
	<b>ATTENTION:</b>	
	The VN005 special function requires VN002 as well as an additional cable set (ZN052) that allows you to start and complete the operation. Each module that is adapted (TCU or ECU) will require an EM003 emulator to be built inside the car.	
<b>VN006</b>	<b>Immo III/IV Megamos 48 Key Programming</b>	<b>\$660.00</b>

	The function allows the programming of keys to ALL VEHICLES with Immo III/IV immobiliser systems and Megamos 48 transponders.	
	The function works both when there is a working key and in ALL KEYS LOST situations.	
	A ZN053 AVDI extractor cable IS REQUIRED when purchasing the special function.	
	The procedure also requires a ZN051 Distribution Box and an internet connection.	
<b>VN007</b>	<b>Mileage Recalibration for MQB Vehicles</b>	<b>\$715.00</b>
	Mileage recalibration for vehicles based on the MQB platform from 2014 onwards. For a full list of supported models please click here	
	Active AMS and internet connection are required.	
<b>VN009</b>	<b>Key Programming for MQB Vehicles</b>	<b>\$1,170.00</b>
	Key programming for vehicles based on the MQB platform. This includes all models starting from 2012 onwards.	
	PROTAG programmer, active AMS and internet connection are required.	
<b>VN012</b>	<b>Security data extraction for VAG vehicles with Magneti Marelli 9GV ECU</b>	<b>\$230.00</b>
	Reading the PIN and Component Security of the Magneti Marelli 9GV ECU. Procedure is done by OBDII with a working key or on the bench (using the ZN051 Distribution Box without opening the ECU) when all keys are lost.	
<b>VN013</b>	<b>ECU authorization for all Immo 3 and Immo 4 vehicles</b>	<b>\$175.00</b>
	Performing authorization (using the ZN051 Distribution Box) of the vehicle ECU in order to update the engine software or to start the vehicle for ALL IMMO 3/IMMO 4 ECUs (Bosch, Siemens/Continental and Magneti Marelli). Allows entering into reflashing mode to update with a SGO/FRF file or to perform an emergency start to the vehicle.	
<b>VN015</b>	<b>Odometer recalibration for VAG vehicles</b>	<b>\$1,145.00</b>
	<p>Mileage recalibration for Audi A6/A7 (4G) and A8 (D4) and VW Touareg 7P produced from 2010 until 2017 BY OBDII.</p> <p>The function works with UDS dashboards.</p> <p>-Reading and updating internal control module configuration memory by diagnostics.</p> <p>Extracting and recalibration security access codes, PIN, component security bytes, current unit mileage values by K-line, CAN bus and UDS.</p> <p>-Cluster CAN - With this function you can establish a diagnostic session with the instrument cluster using KWP2000 over TP2.0 or UDS.</p> <p>You can Read/Update the odometer values. Supported types are: - VDO/MM/Visteon -2007 (CAN TP2.0)- VDO with NEC µC 2009+ (CAN UDS)- JCI with NEC µC and 95320 EEPROM (CAN UDS)- Magneti Marelli with 9S12 µC (CAN UDS)- A8(4H)/A7(4G)/A6(4G)/Touareg(7P) with 95320 EEPROM (CAN UDS)</p> <p>-Cluster K-Line - With this function you can establish a diagnostic session with the Instrument cluster via K-Line (KWP1281 or KWP2000); You can Read/update the odometer value; Read PIN code; Read/Update ConfData; Read ROM/Flash from the Instrument cluster;</p> <p>Automatic removing of "DEF error" for Audi A4 instrument cluster BOSCH RB8. Supported types are:- VDO66/86, Motometer- External Immobilizer - LT, VW GOL, VW O GOL( Kostal ), Siemens 6 PIN HC05 Immo/TMS- Audi A4 B5 with/without board computer -1997- Audi A6 -1997- Audi A8 -1999- Magneti Marelli - Shadow 1/2/3/Direct- VW Sharan/Galaxy -2000- Audi A4 Bosch RBx/RB4/RB4 Crypto/RB8 Crypto 2004+- Golf 4 Bosch RBx- VW Phaeton/Touareg, Bentley Continental, Porsche Cayenne- Seat Exeo Bosch RB8 Crypto 2008+- Lamborghini Gallardo -2005/2005+</p> <p>-Read/Update ConfData (VAG-EDC15x, VAG-ME7.1.1, VAG-ME7.1, VAG-ME7.5, VAG-Cartronic ME7.8.)</p> <p>-Extracting Security access code / PIN (EDC15, ME7.x, VAG-Cartronic ME7.8) - Extracting Component security bytes (EDC15, ME7.x, VAG-Cartronic ME7.8)- Mileage Calibration (EDC15, EDC16)</p>	
<b>VAG Km</b>	<b>Special Functions set for VAG Mileage Recalibration VN007, VN015</b>	<b>\$1,810.00</b>
	Full set of mileage recalibration special functions for VAG.	
<b>VAG Key</b>	<b>Special Functions Set for VAG Key Programming VN003, VN006, VN009</b>	<b>\$5,475.00</b>
	Full set of key - programming special functions for VAG. The following hardware IS REQUIRED in order to obtain full functionality:	
	ZN002 PROTAG Programmer	
	ZN051 Distribution Box	
	ZN053 AVDI Extractor Cable	
<b>VAG FULL</b>	<b>Full VAG Special Functions set VN002, VN003, VN005, VN006, VN007, VN009, VN012. VN013, VN015</b>	<b>\$9,895.00</b>

	Full set of special functions for VAG. The following hardware IS REQUIRED in order to obtain full functionality:	
	ZN002 PROTAG Programmer	
	ZN051 Distribution Box	
	ZN052 Abrites cable set for adapting IMMO parts used together with VN005	
	ZN053 AVDI Extractor Cable	
<b>VAG Force Tool Adapter</b>	<b>VAG Force Tool Adapter</b>	<b>\$75.00</b>
<b>VW NEC Set</b>	<b>VW NEC Cluster Set</b>	<b>\$95.00</b>
<b>VW NEC Retro Kit</b>	<b>VW NEC Cluster Cable Retro Kit</b>	<b>\$10.00</b>
<b>Mercedes, Smart, Maybach Diagnostics</b>		
<b>MN026</b>	<b>Key Programming, EIS/ESL/DAS Manager/7-Gear ETC/ISM/Infra Red and password reader/Personalization/Activation/Coding</b>	<b>\$2,490.00</b>
	Generating of key dumps for vehicles with DAS-2, DAS-2A, DAS-2B, DAS-3. Smart key programming. Read partially data of the EIS. Read/update configuration data of the ESL. Virgin ESL. Resetting ETC (722.9) and ISM by diagnostic to the factory state without losing of SCN coding. Infra Red and password reader, Personalization, Activation, Coding.	
	<b>ZN036 IS REQUIRED when purchasing the special function.</b>	<b>We include ZN036</b>
<b>MN027</b>	<b>FBS4 Manager</b>	<b>\$575.00</b>
	This special function is dedicated to the latest generation Mercedes-Benz FBS4 (DAS) related modules. It allows the following for modules installed in Mercedes vehicles equipped with the FBS4 generation of DAS: - Renewal of FBS4 control modules including 7G Tronic units 722.9. ALL BY OBD or internal CANBUS. - Renewal of FBS4 CRD 3.X Engine Control Units. ALL BY OBD or internal CANBUS. Both functions are performed using the new online Mercedes software.	
<b>MN028</b>	<b>Instrument Cluster Data Manager, TV, ECU, Airbag Manager</b>	<b>\$690.00</b>
	Updating data memory instrument clusters W221, W216, W219, X164, W164, W203, W251, W463, R171, W209, W220, W215, W169, W245, Smart (2007+), W204, X204, W212, W197, W207, W218, W168, W202, W140, W210, W211, W461, W208, W163, W230, Sprinter, Vito, Viano - Modifying ASSYST and ASSYST PLUS service history records - Updating data memory in Battery Control Module, Tyre Pressure Monitor, Electric Seat Adjustment Driver and Electric Seat Adjustment Passenger, Rear Signal Acquisition and Actuation Module 1, Electronic Stability Program (ESP), Airbag, Electronic Parking Brake, Vehicle Power Supply Control Module - Reading and updating flash and configuration memory of ECUs: Siemens SID, EDC15, EDC16 - Service list update - TV, AUX on/off configuration - Managing stored crash data and configuration memory of electronic control unit - Speed warning for Gulf States, reverse warning	
<b>MN00F</b>	<b>Full Mercedes-Benz Special Functions set MN026, MN027, MN028</b>	<b>\$3,280.00</b>
<b>BMW, Mini Diagnostics</b>		
<b>BN010</b>	<b>Car Access System Advanced Coding</b>	<b>\$1,750.00</b>
	Programming keys by diagnostic. Supported type of units are CAS1, CAS2, CAS3, CAS3+	
<b>BN011</b>	<b>Electronic Gearbox System Synchronization</b>	<b>\$1,175.00</b>
	Perform synchronization/recovery between CAS, EGS and ECU (6-speed gearboxes in E-series vehicles) and adaptation of 8-speed gearboxes in F-series vehicles	
<b>BN012</b>	<b>Advanced Coding Functionality</b>	<b>\$590.00</b>
	Reading and programming vehicle order data, reprogramming flash memory of all electronic control units, E-series unit coding	
<b>BN013</b>	<b>Key Preparation by Dump of FEM/CAS4</b>	<b>\$1,750.00</b>
	Preparing keys by dump for BMW models with FEM/BDC and CAS4 immobilizer systems - newest BMW 1, 3, 5 GT, 6, 7, X3 series (body Fxx). Please note this functions also covers mileage reset in FEM/BDC modules in F-series BMW vehicles.	
<b>BN00L</b>	<b>BMW Special Functions Set Lite BN010, BN011, BN012</b>	<b>\$2,950.00</b>
	ZN002 - PROTAG Programmer is required for key programming	
<b>BN00F</b>	<b>Full BMW Special Functions Set BN010, BN011, BN012, BN013</b>	<b>\$4,450.00</b>
	Full set of special functions for BMW. ZN002 - PROTAG Programmer is required for key programming	
<b>Ford, Mazda Diagnostics</b>		

<b>FR005</b>	<b>Instrument Cluster Module Recalibration</b>	<b>\$390.00</b>
	Reading and updating internal control module configuration memory by diagnostic.	
<b>FR008</b>	<b>Key Manager, Advanced Diagnostic Functionality</b>	<b>\$2,350.00</b>
	Key programming functionality , InCode calculator needed for adaptation of new electronic control units (and keys also).	
<b>FR009</b>	<b>Airbag Clear Crash Data and Renew</b>	<b>\$415.00</b>
	This function allows the clearing of the crash data from the RCM module using 4 simple button clicks. Read, clear, write, clear DTCs. The function covers the RCMs using the following processor: XC23xx data flash	
	For FORD/ Mazda/ JLR and Volvo as well as Ford/ JLR RCMs with the following processor: TMS470 + EEPROM 25320/25640	
<b>Porsche Diagnostics</b>		
<b>PO006</b>	<b>Instrument Cluster/Engine Control Module Recalibration</b>	<b>\$650.00</b>
	Reading and updating internal control module configuration memory by diagnostic. Recalibration of control unit working characteristics ( time,mileage).	
<b>PO008</b>	<b>Advanced Diagnostic Functionality</b>	<b>\$820.00</b>
	Coding, configuration, key programming, PIN code calculation.	
<b>PO009</b>	<b>Module Adaptation</b>	<b>\$595.00</b>
	Allows the adaptation of modules both part of the Immobilizer system (Immo V) and those with component protection for Panamera, Cayenne 2011+, 911 991/Boxster 981, Spyder, Macan	
<b>Toyota, Lexus, Scion Diagnostics</b>		
<b>TN007</b>	<b>Advanced Key Programming by Diagnostics and Key Programming</b>	<b>\$1,240.00</b>
	Key programming functionality. Immobilizer/Smart system reset by diagnostic. Master key preparation by dump of smart system. Identification Control Unit reset by LIN bus. Master key emulation for all models with smart keys. Emergency start in all keys lost situations.	
	<b>ZN039-2 IS REQUIRED when purchasing the special function.</b>	<b>We include ZN039-2</b>
<b>Fiat, Alfa, Lancia Diagnostics</b>		
<b>FN013</b>	<b>Instrument Cluster Data Manager</b>	<b>\$595.00</b>
	Update of Instrument Cluster working data.	
<b>FN014</b>	<b>Engine Control Unit Flash Manager</b>	<b>\$250.00</b>
	Reading and Updating ECU's flash memory by diagnostic. ECUs supported: IAW 4AF,4EF,59F,5AF,5AM,5NF, 5SF3; MJD 6JF	
<b>FN015</b>	<b>Engine Control Unit Configuration Manager</b>	<b>\$685.00</b>
	Reading and Updating ECU's configuration memory by diagnostic. Reset to factory new state option. ECUs supported: EDC15C5, EDC15C7, MJD 6JF/8F2; Marelli IAW 4AF, 4EF, 59F, 5AF, 5AM, 5NF, 5SF3, 5SF8; BOSCH ME7.3H4 (boot), ME7.3.1 (boot).	
<b>FN017</b>	<b>PIN and Key Manager for FCA Vehicles</b>	<b>\$1,405.00</b>
	Key programming. Transponders/Keys preparation. BCM - Configuration data read and update, PIN, component protection data display. Remote control programming.	
<b>GM (former Opel, Vauxhall) Diagnostics</b>		
<b>ON010</b>	<b>Engine Control Unit Flash Manager</b>	<b>\$260.00</b>
	Reading and Updating ECU's flash by diagnostics (OBDII).	
<b>ON013</b>	<b>PIN and Key Manager</b>	<b>\$1,290.00</b>
	PIN code calculation and key programming functionality, reading and updating of ConfData of ECU, instrument clusters and BCM units.	
<b>ON014</b>	<b>Advanced Configuration</b>	<b>\$545.00</b>
	Calibration of instrument cluster and engine control module data, reset of airbag data (for certain models), extraction of radio PIN code by diagnostics (OBDII).	
<b>Mitsubishi Diagnostics</b>		
<b>MI005</b>	<b>Engine Control Unit Flash Manager</b>	<b>\$210.00</b>
	Reading and Updating ECU's flash and configuration memory by diagnostic.ECU EDC15	
<b>MI007</b>	<b>PIN and Key Manager</b>	<b>\$545.00</b>
	PIN code calculation and key programming functionality.	
<b>Subaru Diagnostics</b>		
<b>SB001</b>	<b>Subaru Key Learning and Smart System Reset</b>	<b>\$825.00</b>
	Key learning for keyless and mechanical key Subaru cars even when all keys are lost. By OBD, no disassembly needed. Smart system reset is also possible.The function allows you to adapt new and used ECU (ECM) and Smart ECM	

<b>Nissan Diagnostics</b>		
<b>NN006</b>	<b>PIN and Key Manager</b>	<b>\$650.00</b>
	Calculation PIN code (including 20-digit PIN Code) and programming keys by diagnostic.	
<b>Hyundai, Kia Diagnostics</b>		
<b>HK007</b>	<b>Instrument Cluster, Engine Control Data Manager</b>	<b>\$360.00</b>
	Update of Instrument Cluster working data, Flash read/update for ECUs EDC15C2, EDC15C2 configuration memory update.	
<b>HK008</b>	<b>PIN and Key Manager</b>	<b>\$765.00</b>
	Key programming for all vehicles with smart keys (2018+). PIN code display for vehicles with mechanical keys-Delphi, KEFICO, EDC15/16, Flash/Read/Update for ECU's EDC16. <b>Reduced price for owners of special function HK006. Please contact sales@abritesusa.com for details.</b>	
<b>Volvo Diagnostics</b>		
<b>VL003</b>	<b>Instrument Cluster Data Manager</b>	<b>\$595.00</b>
	Update of Instrument Cluster working data.	
<b>VL004</b>	<b>HITAG2 Key Learning and Central Car Configuration</b>	<b>\$595.00</b>
	Key learning for HITAG 2 PCF7945/7953 type of keys for 2008+ cars	
<b>Jaguar and Land Rover Diagnostics</b>		
<b>JL002</b>	<b>Key Learning</b>	<b>\$180.00</b>
	Key programming functionality.	
<b>JL003</b>	<b>Mileage Recalibration</b>	<b>\$180.00</b>
	Update of Instrument Cluster working data.	
<b>Chrysler, Dodge, Jeep Diagnostics</b>		
<b>CR006</b>	<b>Instrument Cluster Data Advanced Configuration</b>	<b>\$595.00</b>
	Reading and updating configuration memory instrument clusters.	
<b>CR007</b>	<b>Engine Control Unit Flash Manager</b>	<b>\$205.00</b>
	Reading and Updating ECU's flash and configuration memory by diagnostic. ECU EDC15/16	
<b>Tag Key Tool / Software for PROTAG</b>		
<b>KT010</b>	<b>Tag Key Tool</b>	<b>\$0.00</b>
	This software will provide you access to the internal memory and configuration of transponders.Available tool for generation of keys by dump of immobilizer system of the vehicle (more than 1000 models are covered).Provided is the ability for preliminary preparation of transponders to be ready for usage with diagnostic equipment.Available functionality for cloning of Megamos 13, Temic 11, Temic 12, Texas 4C, PIT ID33, Tiris 4D, Tiris 4E, Temic 8C (Mazda, Ford, Proton).	<b>Free for all owners of ZN002</b>
<b>KT011</b>	<b>Key Inspector</b>	<b>\$1,175.00</b>
	Utility for displaying information from different keys (VIN, last drive, mileage,..).	
<b>KT012</b>	<b>Porsche BCM</b>	<b>\$360.00</b>
	Key programming by dump from the Electronics Body Front Section control unit (with Motorola MCU inside - 9S12XDP512, XEP100)	
<b>ABRITES ECU Programming Tool</b>		
<b>EP001</b>	<b>Bosch EDC17/ MED17, Delphi and SIMxx Boot Mode Manager</b>	<b>\$575.00</b>
	Programming tool dedicated to reading/writing/updating of the Configuration Data (EEPROM), Internal and External Flash of Bosch EDC17/MED17, Delphi and SIMxx by boot mode.	
<b>Bikes, Snowmobiles &amp; Water Scooter Diagnostics</b>		
<b>BK002</b>	<b>Advanced Bike Diagnostics, BMW Bikes Key Programming</b>	<b>\$485.00</b>
<b>Emulators</b>		
<b>EM001</b>	<b>ABRITES ESL Emulator for Mercedes</b>	<b>\$60.00</b>
	By using the switches on the emulator, you can benefit from a 3-in-1 solution that supports the following models: W203, W204, W207, W208, W209, W210, W211, W212, W169, W245, Vito, Viano and Sprinter. This is a plug and play solution for most models. You can use the ABRITES Software for Mercedes to personalize the emulator (FREE OF CHARGE, NO TOKENS - available for all AVDI owners with valid AMS and special function MN026) or you can personalize the emulator with a green key in the same way as an original ESL (necessary ONLY for W204, W207 and W212).	
<b>EM003</b>	<b>Immo Parts Emulator for VAG</b>	<b>\$50.00</b>
	Used to emulate any IMMO part while emulating using VN005.	
<b>EM004</b>	<b>ABRITES Video in Motion CAN Filter 125k</b>	<b>\$45.50</b>

	The CAN filter allows the unlocking of video playback in a moving vehicle in cases when this option is not available in the diagnostic coding options of the vehicle. This filter works with W166/W292 vehicles with NTG5s1 multimedia module (Panasonic).	
EM005	<b>ABRITES Video in Motion CAN Filter 500k</b>	<b>\$45.50</b>
	The CAN filter allows the unlocking of video playback in a moving vehicle in cases when this option is not available in the diagnostic coding options of the vehicle. This filter works with W221/W216 vehicles with NTG3.5 multimedia module.	
EM006	<b>Odometer calibration emulator for W204, W212 (FBS3/FBS4)</b>	<b>\$40.00</b>
	The odometer calibration emulator allows mileage calibration for W204 and W212 vehicles (both FBS3 AND FBS4).	
EM007	<b>Odometer calibration emulator with jumper cable for dash for W204, W212 (FBS3/FBS4)</b>	<b>\$40.50</b>
	The odometer calibration emulator allows mileage calibration for W204 and W212 vehicles (both FBS3 AND FBS4) and has jumper cable for the dash for easier installation.	
<b>Keys</b>		
TA10	<b>Abrites Key (BCM2) - 315 Mhz</b>	<b>\$60.00</b>
TA15	<b>Abrites KEY for all types Mercedes with IR. Frequency - 315 Mhz</b>	<b>\$35.00</b>
TA17	<b>Abrites DST+ Electronic key head</b>	<b>\$40.00</b>
TA21	<b>PCB for Mercedes IR key fob with Frequency - 315 Mhz</b>	<b>\$30.00</b>
TA29	<b>Abrites FIAT 500X KEYLESS key</b>	<b>\$60.00</b>
TA30	<b>Abrites DST-AES transponder emulator</b>	<b>\$40.00</b>
TA31	<b>Abrites Extractor</b>	<b>\$30.00</b>
TA36	<b>Abrites DST 40bit/DST+ 80bit Electronic key head</b>	<b>\$35.00</b>
<b>Additional Cables and Adapters</b>		
ZN032	<b>ABPROG NEC Adapter with Socket</b>	<b>\$60.00</b>
	The adapter is intended for ABPROG programmer ZN030 to be used with NEC MCUs from Mercedes IR-keys.	
ZN036	<b>IR AVDI Cable</b>	<b>\$55.00</b>
	Cable for reading data from EIS through Infra Red	
ZN038	<b>Fiat/Chrysler CAN adapter</b>	<b>\$25.00</b>
	Diagnostics adapter for ABS (Anti Lock Brakes), HALF (Haptical Lane Feedback), ESL ( Electronic Steering Lock), ORC (Occupant Restraint), EPS (Electric Power Steering), PAM (Parking Aid Module) present in Fiat 500x and Jeep Renegade	
ZN039-2	<b>Toyota Transponder Emulator</b>	<b>\$65.00</b>
	Transponder emulator required to complete the key learning/emergency start procedures part of the TN006 special function. You NEED to have TN006 active in order to use the emulator.	
ZN040	<b>A6/A7/A8 CAN Adapter</b>	<b>\$65.00</b>
	The Abrites A6/A7/A8 CAN Adapter is used in order to make the ALL KEYS LOST procedure for Audi A6/A7/A8 easier providing all necessary connections.	
ZN046	<b>ABRITES Key Renewal Adapter</b>	<b>\$15.00</b>
	The Abrites key renewal adapter is a new product which assists when you need to renew a Hitag 2 type of key. It is soldered to the Hitag 2 PCB and it is then attached to the ABPROG programmer in order to renew used HITAG 2 keys.	
ZN048	<b>ABRITES Universal Field Detector</b>	<b>\$18.00</b>
	The Abrites universal field detector has been developed in order to assist when testing to confirm whether or not the electronic ignition switch is functional before starting work. It detects a field of 125KHz and also a field of 20KHz so that it can be used for multiple brands of vehicles Such as Mercedes, Audi, Toyota and other brands which use these frequencies.	
ZN049	<b>AVDI Adapter for connection with K-Line BMW vehicles (PassThru ONLY)</b>	<b>\$25.00</b>
	Adapter used to connect to K-Line BMW vehicles when using OEM software via the AVDI PassThru driver	
ZN052	<b>ABRITES Cable Set for Adapting IMMO Parts Used together with VN005</b>	<b>\$60.00</b>
ZN053	<b>AVDI Extractor Cable</b>	<b>\$60.00</b>
ZN054	<b>Extension Cable set for Direct CAN Connection for VAG Vehicles</b>	<b>\$25.00</b>
ZN055	<b>EWS3 Adapter for ABPROG</b>	<b>\$50.00</b>
ZN056	<b>Honda K-Line adapter</b>	<b>\$12.00</b>
ZN057	<b>EEPROM wire extender for ABPROG EEPROM/BCM adapter</b>	<b>\$15.00</b>
	Wire extender for the EEPROM/BCM adapter to be used for reading chips without having to take them off the PCB.	
ZN058	<b>V850E2 adapter for ABPROG</b>	<b>\$15.00</b>
ZN059	<b>VAG VDO cluster adapter</b>	<b>\$55.00</b>



ZN060	VAG Micronas (new-style connector) cluster adapter	\$55.00
ZN063	12V/1A DC Power adapter	\$15.00
J1850	SAE J1850 adapter for AVDI	\$50.00
	Adapter will allow diagnostic operation with SAE J1850 based diagnostic protocols used in the past from Chrysler, Dodge, Jeep, Plymouth, Ford.	
CB002	AVDI cable for 20 pins round diagnostic connector for BMW	\$25.00
CB003	AVDI cable for 38 pins round diagnostic connector for MERCEDES	\$25.00
CB004	AVDI cable for 14 pins round diagnostic connector for MERCEDES Sprinter	\$25.00
CB005	AVDI cable for ESL(ELV) for Mercedes	\$25.00
CB006	AVDI cable for instrument cluster Mercedes W203, W209, W211, W219	\$25.00
CB007	AVDI cable for Bombardier diagnostic connector	\$30.00
CB008	AVDI cable for BMW bike diagnostic connector	\$30.00
CB009	AVDI cable for connection with trucks Deutch 6 pin (J1708)	\$30.00
CB100	AVDI OBDII cable (SAE J1962)	\$20.00
CB103	OBDII Y cable M/2xF	\$25.00
CB201	AVDI cable for connection with Suzuki Marine Engines type 1	\$25.00
CB202	AVDI cable for connection with Suzuki Marine Engines type 2 (round)	\$25.00
CB203	AVDI cable for connection with Yamaha Marine Engines	\$30.00
CB204	AVDI cable for connection with Evinrude Marine Engines	\$30.00
CB205	Evinrude Flash Update cable	\$25.00
CB301	AVDI cable for connection with Aprilia Bikes	\$20.00
CB302	AVDI cable for connection with KTM Bikes	\$25.00
CB303	AVDI cable for connection with Benelli Bikes	\$25.00
CB304	AVDI cable for connection with Suzuki Bikes (6 pins)	\$30.00
CB305	AVDI Cable for connection with Harley Davidson bikes (CAN/K-Line)	\$45.00
CB306	AVDI Cable for connectin with Piaggio bikes	\$30.00