



EMIRATES

KEYS & IMMO TOOLS

ABRITES VEHICLE DIAGNOSTIC INTERFACE

Manufacturer	ABRITES
Device Name	AVDI Abrates Device
Product Name	MKON184
Categories	Key Programming / ECU Diagnostics Tools
Condition	New
video link:	Playlist list



Buy Now

Device Specification:

The ABRITES Vehicle Diagnostic Interface - AVDI is the latest generation diagnostic interface produced by ABRITES Ltd. for cars, bikes, trucks, water scooters, ATVs and water scooters. It is the basis upon which the whole ABRITES products ecosystem is founded. AVDI is incredibly versatile, offering support for nearly all vehicle brands on the market.

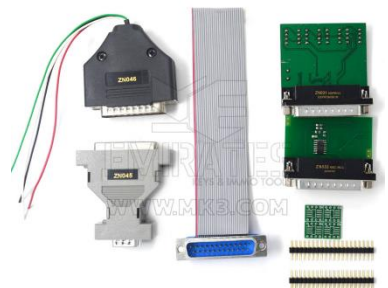
PROTAG PROGRAMMER



DISTRIBUTION BOX



ABPROG PROGRAMMER



ABRITES UPDATE METHOD

AMS



An active AMS is required to purchase additional special functions



AMS renewal date is from 30 days to 6 months after expiration date



AMS renewal date is from 6 months to 18 months after expiration date



AMS renewal date is more than 18 months after expiration date



SUPPORT PLAN SERVICE

SPS



Once the SPS is purchased, an account in the platform is created for each customer where all the problem solving takes place instead of email.



ABRITES ECU PROGRAMMING TOOL



EP001 Bosch edc17/med17, Delphi and Simxx ecu manager



EP002 truck, bike, boat and industrial ecu manager



EP003 Bosch md/mg ecu manager



VIN READER



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



BATTERY SUPPORT UNIT ELECTROMEM FLASH-MEM 100



100 Amp electronic battery charger and power supply for supply, charging, maintenance and reprogramming



ABRITES TAG KEY TOOL - SOFTWARE FOR TAGPROG/PROTAG



KT010 TAG KEY TOOL














































KT011 KEY INSPECTOR



KT012 PORSCHE BCM



AUDI VOLKSWAGEN SEAT SKODA BENTLEY			BMW MINI			CHRYSLER DODGE JEEP			JAGUAR LAND ROVER			MERCEDES SMART MAYBACH		
														
DAF			<div>SOFTWARE</div> 									TESLA		
														
MAZDA 2020+												VOLVO		
														
PORSCHE												SUBARU		
														
MITSUBISHI			PEUGEOT CITROEN			RENAULT DACIA			HYUNDAI KIA			NISSAN INFINITI		
														
BIKES SNOWMOBILES WATER SCOOTERS			FORD MAZDA			GM (FORMER OPEL VAUXHALL)			TOYOTA LEXUS SCION			FIAT ALFA LANCIA		
														

									
ZN031		ZN032		ZN033		ZN034		ZN036	
									
ZN037		ZN038		ZN039-2		ZN040		ZN046	
									
ZN047		ZN048		ZN049		ZN052		ZN053	
									
ZN054		ZN055		ZN056		ZN057		ZN058	
									
ZN059		ZN060		ZN061		ZN062		ZN063	
									
ZN065		ZN066		ZN069		ZN072		ZN073	

									
ZN074		J1850		CB002		CB003		CB004	
									
CB005		CB006		CB007		CB008		CB009	
									
CB010		CB011		CB012		CB013		CB100	
									
CB101		CB102		CB103		CB104		CB201	
									
CB202		CB203		CB204		CB205		CB301	
									
CB302		CB303		CB304		CB305		CB306	

									
ATC01		ATC02		ATC03					



AMS

ANNUAL MAINTENANCE SUBSCRIPTION 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.

SPS

SUPPORT PLAN SERVICE

The Abrites Support Plan Service (SPS) allows the customers to receive support from the Abrites support team. The support team will analyze, detect, determine and provide possible solutions to issues that customers may face while using the Abrites products.

The SPS works in a written form using an Abrites ticketing platform. [Read more here.](#)

Once the SPS is purchased, an account in the platform is created for each customer where all the problem solving takes place instead of email.

If the customer is registered with an Abrites partner, the ticket submission will be done by the partner and an individual account will NOT be created for the customer.

The interval for initial response on behalf of ABRITES is up to 24 hours from case registration during business days.

The SPS can only be used with active Annual Maintenance Subscription (AMS). The duration of the SPS is 12 months from the date of purchase.

ZN002

PROTAG PROGRAMMER

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.

ZN030

ABPROG PROGRAMMER

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.

ZN051

Distribution Box

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.

VINR

VIN READER

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.

BSU02

BATTERY SUPPORT UNIT ELECTROMEM FLASH-MEM 100

100 Amp electronic battery charger and power supply for supply, charging, maintenance and reprogramming

SPECIAL FUNCTIONS / PRODUCT DESCRIPTION

ABRITES DIAGNOSTICS FOR AUDI, VW, SEAT, SKODA, BENTLEY

VN002

ORDER NOW

VAG PARTS ADAPTATION SPECIAL FUNCTION

Special function for adapting electronic modules for VAG vehicles

For owners of functions AN043, AN045, AN046, AN048, AN049, AN052, AN053, AN055, AN056, AN057

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 microns 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.

VN003

ORDER NOW

VAG KEY LEARNING SPECIAL FUNCTION

Special function for learning keys to VAG vehicles

For owners of functions AN043, AN044, AN045, AN049, AN050, AN059

+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 microns 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)

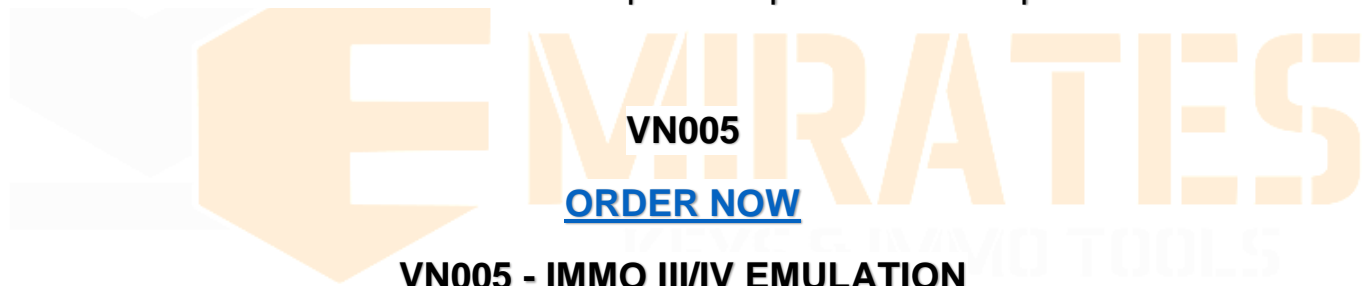
Programming keys by OBDII (VAG with 16 bytes Component Security) - VW Crafter, Audi R8, VW Golf 6, VW Multivan 2009+, VW EOS 2009+, VW Caddy 2009+, VW Scirocco, VW Polo 2009+, VW Bora 2010+, VW Jetta 2010+, Skoda Octavia II 2009+, Skoda Superb 2009+, Skoda Fabia 2009+, Skoda Yeti 2009+, Seat Leon 2009+, 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.



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.

Attention:

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.

VN006

[ORDER NOW](#)

IMMO III/IV MEGAMOS 48 KEY PROGRAMMING

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.

VN007

[ORDER NOW](#)

MILEAGE RECALIBRATION FOR MQB VEHICLES

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.

VN009

[ORDER NOW](#)

KEY PROGRAMMING FOR MQB VEHICLES

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.

VN012

ORDER NOW

SECURITY DATA EXTRACTION FOR VAG VEHICLES WITH MAGNETI MARELLI 9GV ECU

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.

VN013

ORDER NOW

ECU AUTHORIZATION FOR ALL IMMO 3 AND IMMO 4 VEHICLES

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.

VN015

ORDER NOW

ODOMETER RECALIBRATION FOR VAG VEHICLES

-Mileage recalibration for Audi A6/A7 (4G) and A8 (D4) and VW Touareg 7P produced from 2010 until 2017 BY OBDII.

The function works with UDS dashboards.

-Reading and updating internal control module configuration memory by diagnostics.

Extracting and recalibration security access codes, PIN, component security bytes, current unit mileage values by K-line, CAN bus and UDS.

-Cluster CAN - With this function you can establish a diagnostic session with the instrument cluster using KWP2000 over TP2.0 or UDS.

You can Read/Update the odometer values. Supported types are: - VDO/MM/Visteon - 2007 (CAN TP2.0)- VDO with NEC μ C 2009+ (CAN UDS)- JCI with NEC μ C

and 95320 EEPROM (CAN UDS)- Magneti Marelli with 9S12 μ C (CAN UDS)- A8(4H)/A7(4G)/A6(4G)/Touareg(7P) with 95320 EEPROM (CAN UDS)

-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;

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+

-Read/Update ConfData (VAG-EDC15x, VAG-ME7.1.1, VAG-ME7.1, VAG-ME7.5, VAG-Cartronic ME7.8.)

-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)

VAG Km

[ORDER NOW](#)

SPECIAL FUNCTIONS SET FOR VAG MILEAGE RECALIBRATION VN007, VN015

Full set of mileage recalibration special functions for VAG.

VAG Key

[ORDER NOW](#)

SPECIAL FUNCTIONS SET FOR VAG KEY PROGRAMMING VN003, VN006, VN009

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

VAG FULL

[ORDER NOW](#)

FULL VAG SPECIAL FUNCTIONS SET VN002, VN003, VN005, VN006, VN007, VN009, VN012, VN013, VN015

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

ABRITES DIAGNOSTICS FOR MERCEDES, SMART, MAYBACH

MN026

[ORDER NOW](#)

KEY PROGRAMMING, EIS/ESL/DAS MANAGER/7-GEAR ETC/ISM/INFRA RED AND PASSWORD READER/PERSONALIZATION/ACTIVATION/CODING

Reading EZS password with/without working key. Read partially data of the EZS.

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. Personalization, Activation, Coding of all DAS modules. Generating of key dumps for vehicles with DAS-3 immobilizer systems.

ZN036 IS REQUIRED when purchasing the special function.

MN027

[ORDER NOW](#)

FBS4 MANAGER

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.

MN029

[ORDER NOW](#)

ODOMETER CALIBRATION FOR W205/W213/W222

Mileage calibration in the instrument cluster for Mercedes-Benz W205/W213/W222 vehicles up to 2018.

ABRITES DIAGNOSTICS FOR BMW, MINI

BN010

ORDER NOW

CAR ACCESS SYSTEM ADVANCED CODING

Programming keys by diagnostic. Supported type of units are CAS1, CAS2, CAS3, CAS3+. EWS immobilisers for BMW motorbikes are also supported.

BN011

ORDER NOW

ELECTRONIC GEARBOX SYSTEM SYNCHRONIZATION

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

BN012

ORDER NOW

ADVANCED CODING FUNCTIONALITY

Reading and programming vehicle order data, reprogramming flash memory of all electronic control units, E-series unit coding

BN013

ORDER NOW

KEY PREPARATION BY DUMP OF FEM/CAS4

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.

BN00L

[ORDER NOW](#)

BMW SPECIAL FUNCTIONS SET LITE BN010, BN011, BN012

ZN002 - PROTAG Programmer is required for key programming

BN00F

[ORDER NOW](#)

FULL BMW SPECIAL FUNCTIONS SET BN010, BN011, BN012, BN013

Full set of special functions for BMW. ZN002 - PROTAG Programmer is required for key programming

ABRITES DIAGNOSTICS FOR RENAULT

RR011

[ORDER NOW](#)

ENGINE CONTROL UNIT ADVANCED DIAGNOSTIC

Reading and updating flash and configuration memory of the ECUs. Clearing IMMO code data

RR014

[ORDER NOW](#)

AIRBAGS, UCH AND EPS RENEWAL

Allows clearing stored crash data in the unit produced from Temic and Continental (it supports units utilizing the CAN protocol). EPS and UCH renewal is also done using RR014. The function allows you to restore the modules to their factory virgin state and install a used module in a different vehicle.

RR016

[ORDER NOW](#)

INSTRUMENT CLUSTER MODULE RECALIBRATION

Reading and updating internal control module configuration memory by diagnostic

RR018

[ORDER NOW](#)

KEY PROGRAMMING FOR RENAULT TALISMAN/MEGANE IV/SCENIC IV/ESPACE V AND CLIO IV/MEGANE III 2015+

Key programming functionality both for key addition and ALL KEYS LOST situations for Renault Talisman/Megane IV/Scenic IV/Espace V as well as Renault Clio IV/Megane III (MY 2015+).

RR019

[ORDER NOW](#)

ALL KEYS LOST KEY PROGRAMMING FOR TWINGO III/SMART 453

Key programming functionality for ALL KEYS LOST situations for Renault Twingo III and SMART 453

RR020

[ORDER NOW](#)

KEY PROGRAMMING FOR DACIA

Key programming functionality both for key addition and ALL KEYS LOST situations for Dacia with Continental BCM. Renault vehicles produced in Brazil also covered.

RR021

[ORDER NOW](#)

KEY PROGRAMMING FOR RENAULT MASTER III AND KANGOO II

Key programming functionality both for key addition and ALL KEYS LOST situations for Renault Master III and Kangoo II.

Special function RR018 is required for the purchase of special function RR021.

RR022

[ORDER NOW](#)

KEY PROGRAMMING FOR RENAULT CLIO V AND CAPTUR II

Key programming functionality for Renault Clio V and Renault Captur II (working key required)

Special function RR018 is required for the purchase of special function RR022.

RR023

[ORDER NOW](#)

KEY PROGRAMMING FOR DACIA DUSTER III

Key programming functionality for Dacia Duster ph3 (ALL KEYS LOST and spare key).

Special function RR018 is required for the purchase of special function RR023.

RR00K

[ORDER NOW](#)

SPECIAL FUNCTIONS SET FOR RENAULT KEY PROGRAMMING RR018, RR019, RR020, RR021, RR022 AND RR023

Full set of key programming special functions for Renault and Dacia vehicles. ZN002 PROTAG Programmer is required in order to obtain full functionality.

ABRITES DIAGNOSTICS FOR PEUGEOT, CITROEN

PN009

[ORDER NOW](#)

ENGINE CONTROL UNIT ADVANCED DIAGNOSTIC

Reading and updating flash and configuration memory of ECUs: Siemens SID, EDC15, EDC16. Service list update.

PN017

[ORDER NOW](#)

BSI, INSTRUMENT CLUSTER DATA MANAGER

Update of Instrument Cluster and BSI working data including support for Delphi UDS BSI 2016+

PN018

[ORDER NOW](#)

PIN MANAGER

Display PIN code - diagnostic access for all PSA vehicles including those with Delphi UDS BSI 2016+

PN019

[ORDER NOW](#)

ADVANCED CODING CONFIGURATION

Coding parameter changes in the modules of PSA vehicles including 2021 models.

ABRITES DIAGNOSTICS FOR FORD, MAZDA

FR005

ORDER NOW

INSTRUMENT CLUSTER MODULE RECALIBRATION

Reading and updating internal control module configuration memory by diagnostic.

FR008

ORDER NOW

KEY MANAGER, ADVANCED DIAGNOSTIC FUNCTIONALITY

Key programming functionality , InCode calculator needed for adaptation of new electronic control units (and keys also).

FR009

ORDER NOW

AIRBAG CLEAR CRASH DATA AND RENEW

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

FR010

ORDER NOW

PATS INITIALIZATION (2014+)

Initialization of all PATS-related modules in FORD vehicles produced after 2014

Special function FR008 is required for the purchase of this function

FR00P

ORDER NOW

COMPLETE PATS PACKAGE (INCLUDES SPECIAL FUNCTIONS FR008 AND FR010)

Complete package for PATS Initialization and key programming capabilities for ALL Ford vehicles

ABRITES DIAGNOSTICS FOR MAZDA (2020+)

MZ001

ORDER NOW

KEY PROGRAMMING FOR MAZDA CX-30 2020+/MAZDA 3 2020

Key programming functionality for Mazda CX-30 and Mazda 3 vehicles (2020+). Key addition and ALL KEYS LOST supported. Original keys are required.

Special function FR008 is required for the purchase of this function

MZ002

ORDER NOW

PATS INITIALIZATION MAZDA CX-30 2020+/MAZDA 3 2020

PATS Initialization (module adaptation) for Mazda CX-30 and Mazda 3 2020+ vehicles and all other vehicles based on the same platform.

Special function MZ001 is required for the purchase of this function

ABRITES DIAGNOSTICS FOR PORSCHE

PO006

[ORDER NOW](#)

INSTRUMENT CLUSTER/ENGINE CONTROL MODULE RECALIBRATION

Reading and updating internal control module configuration memory by diagnostic.
Recalibration of control unit working characteristics (time,mileage).

PO008

[ORDER NOW](#)

ADVANCED DIAGNOSTIC FUNCTIONALITY

Coding, configuration, key programming, PIN code calculation.

PO009

[ORDER NOW](#)

MODULE ADAPTATION

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

ABRITES DIAGNOSTICS FOR TOYOTA, LEXUS, SCION

TN008

[ORDER NOW](#)

Advanced diagnostic functionality and key programming (incl. mechanical H keys)

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.

ZN039-2 AND ZN069 ARE REQUIRED when purchasing the special function.

TN009

[ORDER NOW](#)

ID CODE BOX RESET

Reset of the ID Code box for ALL Toyota vehicles including the latest generation (2019+) and ID Code Boxes without external EEPROM

TN010

[ORDER NOW](#)

MILEAGE RECALIBRATION

Mileage recalibration for Toyota vehicles with VDO/Continental dashboard with microcontroller 70F35xx

TN011

[ORDER NOW](#)

KEY PROGRAMMING FOR TOYOTA COROLLA/CAMRY 2018+

ALL KEYS LOST and spare key programming for 2018+ Toyota Corolla and Camry vehicles.

CB012 cable and TA30 DST-AES emulator or TA64 HITAG-AES emulator are required in ALL KEYS LOST situations.

TN012

[ORDER NOW](#)

KEY PROGRAMMING FOR 2018+ TOYOTA CH-R/PRIUS/RAV4/AVALON

ALL KEYS LOST and spare key programming for 2018+ Toyota CH-R/Prius/Rav4/Avalon

CB012 cable and TA30 DST-AES emulator or TA64 HITAG-AES emulator are required in ALL KEYS LOST situations.

ABRITES DIAGNOSTICS FOR FIAT, ALFA, LANCIA

FN013

[ORDER NOW](#)

INSTRUMENT CLUSTER DATA MANAGER

Update of Instrument Cluster working data.

FN014

[ORDER NOW](#)

ENGINE CONTROL UNIT FLASH MANAGER

Reading and Updating ECU's flash memory by diagnostic. ECUs supported: IAW 4AF, 4EF, 59F, 5AF, 5AM, 5NF, 5SF3; MJD 6JF

FN015

[ORDER NOW](#)

ENGINE CONTROL UNIT CONFIGURATION MANAGER

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).

FN020

[ORDER NOW](#)

PIN AND KEY MANAGER FOR FCA VEHICLES

Key programming. Transponders/Keys preparation. BCM - Configuration data read and update, PIN, component protection data display. Remote control programming. Includes support for Alfa Romeo Giulia/Stelvio and vehicles with mechanical Megamos AES keys. (FIAT Tipo, Egea, 500X, Toro, Argos, Cronos, Jeep Renegade, Jeep Wrangler) and FIAT vehicles 2020+ with MOPAR BCM

FN021

[ORDER NOW](#)

FCA PROXI ALIGNMENT

Aligns the vehicle configuration from the BCM to all the other related modules.

ABRITES DIAGNOSTICS FOR TESLA

TS001

[ORDER NOW](#)

KEY LEARNING FOR TESLA MODEL S/X

Adding a key by OBD - ZN072 cable set is required.

TS002

[ORDER NOW](#)

TESLA AIRBAG MANAGER

Read/update airbag data in Bosch airbags (Model 3/X/Y), supports airbag exchange, VIN change and clear crash data. Read EEPROM and clear crash data of Delphi Airbags (Model S)

ABRITES DIAGNOSTICS FOR GM (FORMER OPEL, VAUXHALL)

ON010

[ORDER NOW](#)

ENGINE CONTROL UNIT FLASH MANAGER

Reading and Updating ECU's flash by diagnostics (OBDII).

ON013

[ORDER NOW](#)

PIN AND KEY MANAGER

PIN code calculation and key programming functionality, reading and updating of ConfData of ECU, instrument clusters and BCM units.

ON014

[ORDER NOW](#)

ADVANCED CONFIGURATION

Calibration of instrument cluster and engine control module data, reset of airbag data (for certain models), extraction of radio PIN code by diagnostics (OBDII).

ABRITES DIAGNOSTICS FOR MITSUBISHI

MI007

[ORDER NOW](#)

PIN AND KEY MANAGER

PIN code calculation and key programming functionality.

ABRITES DIAGNOSTICS FOR SUBARU

SB001

[ORDER NOW](#)

SUBARU KEY LEARNING AND SMART SYSTEM RESET

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

ABRITES DIAGNOSTICS FOR NISSAN

NN007

[ORDER NOW](#)

PIN AND KEY MANAGER

Key programming by diagnostics including Nissan Micra K14 and Nissan Kicks (using 22 digit PrePIN to 20 digit PIN calculation)

ABRITES DIAGNOSTICS FOR HYUNDAI, KIA

HK007

[ORDER NOW](#)

INSTRUMENT CLUSTER, ENGINE CONTROL DATA MANAGER

Update of Instrument Cluster working data, Flash read/update for ECUs EDC15C2, EDC15C2 configuration memory update.

HK008

[ORDER NOW](#)

PIN AND KEY MANAGER

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 ECUs EDC16.

HK010

[ORDER NOW](#)

ADVANCED MODULE NEUTRALISATION

Neutralisation of ECUs on bench without the need of donor vehicle. Neutralisation of smart system, ECU, ESCL and PDM for vehicles with smart keys and immobiliser and SMARTRA module for vehicles with mechanical keys when donor vehicle is present.

ABRITES DIAGNOSTICS FOR VOLVO

VL003

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INSTRUMENT CLUSTER DATA MANAGER

Update of Instrument Cluster working data.

VL004

[ORDER NOW](#)

HITAG 2 KEY LEARNING AND CENTRAL CAR CONFIGURATION

Key learning for HITAG 2 PCF7945/7953 type of keys for 2008+ cars

KP001

[ORDER NOW](#)

VOLVO KEY PROGRAMMER

Standalone key programming device

ABRITES DIAGNOSTICS FOR JAGUAR AND LAND ROVER

JL003

[ORDER NOW](#)

MILEAGE RECALIBRATION

Update of Instrument Cluster working data.

JL004

[ORDER NOW](#)

KEY LEARNING

Key programming functionality for JLR vehicles produced until 2018.

JL005

[ORDER NOW](#)

KEY LEARNING (2018+)

Key programming functionality for JLR vehicles produced after 2018.

JL006

[ORDER NOW](#)

KEY PROGRAMMING FOR 2020+ JLR VEHICLES

Key programming functionality for JLR vehicles MY20 JLR vehicles such as the Land Rover Defender 2020+, Range Rover Evoque 2020+, Jaguar E-Pace 2020+ and all others based on the same platform.

ABRITES DIAGNOSTICS FOR CHRYSLER, DODGE, JEEP

CR006

[ORDER NOW](#)

INSTRUMENT CLUSTER DATA ADVANCED CONFIGURATION

Reading and updating configuration memory instrument clusters.

CR007

[ORDER NOW](#)

ENGINE CONTROL UNIT FLASH MANAGER

Reading and Updating ECU's flash and configuration memory by diagnostic. ECU EDC15/16

ABRITES TAG KEY TOOL - SOFTWARE FOR TAGPROG/PROTAG

KT010

[ORDER NOW](#)

TAG KEY TOOL

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).

KT011

[**ORDER NOW**](#)

KEY INSPECTOR

Utility for displaying information from different keys (VIN, last drive, mileage,...).

KT012

[**ORDER NOW**](#)

PORSCHE BCM

Key programming by dump from the Electronics Body Front Section control unit (with Motorola MCU inside - 9S12XDP512, XEP100)

ABRITES ECU PROGRAMMING TOOL

EP001

[**ORDER NOW**](#)

BOSCH EDC17/MED17, DELPHI AND SIMXX ECU MANAGER

Reading/writing/updating of the Configuration Data (EEPROM), MAP Files, Internal and External Flash of Bosch EDC17/MED17, Delphi and Simxx by diagnostics (OBDII), on bench (direct connection to ECU) or boot mode.

EP002

[**ORDER NOW**](#)

TRUCK, BIKE, BOAT AND INDUSTRIAL ECU MANAGER

Reading of ECUs mounted in trucks, motorbikes, boats and industrial vehicles (tractors, agricultural machines) by diagnostics (OBDII).

EP001 required for the activation of EP002.

EP003

[ORDER NOW](#)

BOSCH MD/MG ECU MANAGER

Allows reading of the latest generation Bosch MD/MG ECUs on bench.

EP001 required for the activation of EP003.

ABRITES DIAGNOSTICS FOR BIKES, SNOWMOBILES, WATER SCOOTERS

BK002

[ORDER NOW](#)

ADVANCED BIKE DIAGNOSTICS, BMW BIKES KEYPROGRAMMING

ABRITES DIAGNOSTICS FOR DAF

DF002

[ORDER NOW](#)

KEY PROGRAMMING

Key programming functionality.

ADDITIONAL CABLES AND ADAPTERS

ZN031

ABPROG EEPROM/BCM ADAPTER

Adapter for ABPROG programmer. It allows programming of EEPROMs – M35xxx/I2C/SPI/Microwire. This adapter is a part from ABPROG programmer (ZN030).

ZN032

ABPROG NEC ADAPTER WITH SOCKET

The adapter is intended for ABPROG programmer ZN030 to be used with NEC MCUs from Mercedes IR-keys.

ZN033

ABPROG NEC ADAPTER

The adapter is intended to be used with the ABPROG Programmer ZN030 for reading NEC MCUs from Mercedes IR-Keys by soldering the MCU to the adapter.

ZN034

ABPROG FLAT CABLE

The adapter is intended to be used with the ABPROG Programmer ZN030 to read CPUs and MCUs.

ZN036

IR AVDI CABLE

Cable for reading data from EIS through Infra Red

ZN037

RENAULT CAN ADAPTER

Adapter for diagnostics of all multimedia modules present in the car (Radio, Navigation, Bluetooth, Telephone, e.t.c)

ZN038

FIAT/CHRYSLER CAN ADAPTER

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

TOYOTA TRANSPONDER EMULATOR

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

A6/A7/A8 CAN ADAPTER

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

ABRITES KEY RENEWAL ADAPTER

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.

ZN047

ABRITES RENAULT KEY CARD TYPE FIELD DETECTOR

The Abrites Renault key card type 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. This field detector provides the customer with a reassurance before starting to work on a certain car. The ZN047 is activated at 125KHz to confirm the operation of the unit. It indicates that a field is detected by a green light from the LED inside and it is shaped as a Renault key card in order to fit in the key-card slot of modern Renault vehicles.

ZN048

ABRITES UNIVERSAL FIELD DETECTOR

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

AVDI ADAPTER FOR CONNECTION WITH K-LINE BMW VEHICLES (PASSTHRU ONLY)

Adapter used to connect to K-Line BMW vehicles when using OEM software via the AVDI Pass Thru driver

ZN052

ABRITES CABLE SET FOR ADAPTING IMMO PARTS USED TOGETHER WITH VN005

ZN053

AVDI EXTRACTOR CABLE

ZN054

EXTENSION CABLE SET FOR DIRECT CAN CONNECTION FOR VAG VEHICLES

ZN055

ZN055 - EWS Adapter for ABPROG

ZN062 - 12V/0.5A DC Power adapter IS REQUIRED and is not included in the package

ZN056

HONDA K-LINE ADAPTER

ZN057

EEPROM WIRE EXTENDER FOR ABPROG EEPROM/BCM ADAPTER

Wire extender for the EEPROM/BCM adapter to be used for reading chips without having to take them off the PCB.

ZN058

V850E2 ADAPTER FOR ABPROG

Adapter used to read the V850E2 single-chip microcontroller using the ABPROG programmer.

ZN059

VAG VDO Cluster Adapter

Adapter used to enter service mode for VAG VDO dashboards. ZN063 - 12V/1A DC Power adapter IS REQUIRED and is not included in the package

ZN060

VAG Micronas (new style connector) Cluster Adapter

Adapter used to enter service mode for VAG Micronas dashboards with the new style connector. ZN063 - 12V/1A DC Power adapter IS REQUIRED and is not included in the package

ZN061

VAG Micronas (old style connector) Cluster Adapter

Adapter used to enter service mode for VAG Micronas dashboards with the old style connector. ZN063 - 12V/1A DC Power adapter IS REQUIRED and is not included in the package

ZN062

12V/0.5A DC POWER ADAPTER

12V/0.5A DC Power adapter used to give power supply to the ZN055 - EWS3 Adapter for ABPROG

ZN063

12V/1A DC POWER ADAPTER

12V/1A DC Power adapter used to give power supply to the following products:

ZN059 - VAG VDO Cluster Adapter

ZN060 - VAG Micronas (new style connector) Cluster Adapter

ZN065

PWM VOLTAGE CONVERTER

The PWM voltage converter is to be used only in cases when reading an ECU on bench requires the PWMs to be powered with 5V, instead of the usual 3.3V. The PWM voltage converter is compatible ONLY with DSBox v. 2.3.

ZN066

SUBARU TRANSPONDER EMULATOR

Transponder emulator used to emulate the master key in Subaru vehicles. Can be used in ALL Keys Lost situations to program a key or perform an emergency start.

ZN069

TOYOTA MECHANICAL KEY (H-TYPE) ADAPTER SET

Set of adapters that is required for the key programming of H-type mechanical keys (DST-AES). Contains ZN067 adapter and ZN068 emulator.

ZN072

ABRITES CABLE SET FOR TESLA MODEL S/X AND MODEL 3

Set of adapters that is required for the diagnostics of Tesla vehicles (Model S/X and Model 3). The set consists of a CB014 cable and ZN071 adapter.

ZN073

ABRITES BDM PROGRAMMER

ABRITES programmer that allows the reading of MPC555, 565, 563, 5XX External flash (Micron, Numony, Spansion, ST, etc.), 5XX external eeprom for EDC16 ECUs

ZN074

ECU READING SET

Set of external power supply, a needle complete with a stand and a pin clip for MCU pins

J1850

SAE J1850 ADAPTER FOR AVDI

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

CB003

AVDI CABLE FOR 38 PINS ROUND DIAGNOSTIC CONNECTOR FOR MERCEDES

CB004

AVDI CABLE FOR 14 PINS ROUND DIAGNOSTIC CONNECTOR FOR MERCEDES SPRINTER

CB005

AVDI CABLE FOR ESL(ELV) FOR MERCEDES

CB006

AVDI CABLE FOR INSTRUMENT CLUSTER MERCEDES W203, W209, W211, W219

CB007

AVDI CABLE FOR BOMBARDIER DIAGNOSTIC CONNECTOR

CB008

AVDI CABLE FOR BMW BIKE DIAGNOSTIC CONNECTOR

CB009

AVDI CABLE FOR CONNECTION WITH TRUCKS DEUTCSH 6 PIN (J1708)

CB010

ABRITES STAR CONNECTOR CABLE FOR FCA

CB011

ABRITES MERCEDES-BENZ CABLE FOR EZS, 7G TRONIC AND ISM/DSM

CB012

ABRITES CABLE SET FOR DIRECT CAN-BUS CONNECTION

CB013

ABRITES MSD/MSV BENCH CONNECTION CABLE SET

CB100

AVDI OBDII CABLE (SAE J1962)

CB101

AVDI EXTENSION CABLE FOR PROTAG

This cable is a part of PROTAG and ABPROG programmers (ZN002, ZN030)

CB102

EXT CABLE FOR 25 PIN F/M

CB103

OBDII Y CABLE M/2XF

CB104

USB A-B CABLE

Cable used to connect the AVDI and PROTAG programmer to the computer

CB201

AVDI CABLE FOR CONNECTION WITH SUZUKI MARINE ENGINES TYPE 1

CB202

AVDI CABLE FOR CONNECTION WITH SUZUKI MARINE ENGINES TYPE 2
(ROUND)

CB203

AVDI CABLE FOR CONNECTION WITH YAMAHA MARINE ENGINES

CB204

AVDI CABLE FOR CONNECTION WITH EVINRUDE MARINE ENGINES

CB205

EVINRUDE FLASH UPDATE CABLE

CB301

AVDI CABLE FOR CONNECTION WITH APRILIA BIKES

CB302

AVDI CABLE FOR CONNECTION WITH KTM BIKES

CB303

AVDI CABLE FOR CONNECTION WITH BENELLI BIKES

CB304

AVDI CABLE FOR CONNECTION WITH SUZUKI BIKES (6 PINS)

CB305

AVDI CABLE FOR CONNECTION WITH HARLEY DAVIDSON BIKES (CAN/K-LINE)

CB306

AVDI CABLE FOR CONNECTION WITH PIAGGIO BIKES

ATC01

ABRITES TOUGH CASE - SMALL SIZE

ATC02

ABRITES TOUGH CASE - MEDIUM SIZE

ATC03

ABRITES TOUGH CASE - LARGE SIZE



Audi	868	https://www.mk3.com/abrites-ta44-audi-bcm2-pcb-for-original-key-shell-868-mhz	TA44	ABRITES AUDI BCM2 KEY IN REPLICA SHELL (868 MHZ)
				10 PCS X TA44 - ABRITES AUDI BCM2 KEY IN REPLICA SHELL (868 MHZ)
	433	https://www.mk3.com/abrites-ta46-audi-bcm2-pcb-for-original-key-shell-433-mhz	TA46	ABRITES AUDI BCM2 KEY IN REPLICA SHELL (433 MHZ)
				10 PCS X TA46 - ABRITES AUDI BCM2 KEY IN REPLICA SHELL (433 MHZ)
	315	https://www.mk3.com/abrites-ta47-audi-bcm2-pcb-for-original-key-shell-315-mhz	TA47	ABRITES AUDI BCM2 KEY IN REPLICA SHELL (315 MHZ)
				10 PCS X TA47 - ABRITES AUDI BCM2 KEY IN REPLICA SHELL (315 MHZ)
	868	https://www.mk3.com/abrites-ta48-keyless-key-for-audi-bcm2-vehicles-868-mhz	TA48	ABRITES KEYLESS KEY FOR AUDI BCM2 VEHICLES IN REPLICA SHELL (868 MHZ)
				10 PCS X TA48 - ABRITES KEYLESS KEY FOR AUDI BCM2 VEHICLES IN REPLICA SHELL (868 MHZ)
	433	https://www.mk3.com/abrites-ta49-keyless-key-for-audi-bcm2-vehicles-433-mhz	TA49	ABRITES KEYLESS KEY FOR AUDI BCM2 VEHICLES IN REPLICA SHELL (433 MHZ)
				10 PCS X TA49 - ABRITES KEYLESS KEY FOR AUDI BCM2 VEHICLES IN REPLICA SHELL (433 MHZ)
	315	https://www.mk3.com/abrites-ta50-keyless-key-for-audi-bcm2-vehicles-315-mhz	TA50	ABRITES KEYLESS KEY FOR AUDI BCM2 VEHICLES IN REPLICA SHELL (315 MHZ)
				10 PCS X TA50 - ABRITES KEYLESS KEY FOR AUDI BCM2 VEHICLES IN REPLICA SHELL (315 MHZ)
			TA51	ABRITES MEGAMOS AES EMULATOR
				10 PCS X TA51 - ABRITES MEGAMOS AES EMULATOR
			TA52	UNIVERSAL BGA KEY FOR FBS 3 MERCEDES-BENZ VEHICLES (433/315 MHZ)
MERCEDES				10 PCS X TA52 - UNIVERSAL BGA KEY FOR FBS 3

				MERCEDES-BENZ VEHICLES (433/315 MHZ)
			TA2 1	PCB FOR MERCEDES IR KEY FOB CASE WITH CHROME. FREQUENCY - 315 MHZ
				10 PCS X TA21 - PCB FOR MERCEDES IR KEY FOB CASE WITH CHROME. FREQUENCY - 315 MHZ
			TA1 3	PCB FOR MERCEDES IR KEY FOB CASE SMALL SIZE. FREQUENCY - 433 MHZ
				10 PCS X TA13 - PCB FOR MERCEDES IR KEY FOB CASE SMALL SIZE. FREQUENCY - 433 MHZ
			TA2 2	PCB FOR MERCEDES IR KEY FOB CASE SMALL SIZE. FREQUENCY - 315 MHZ
				10 PCS X TA22 - PCB FOR MERCEDES IR KEY FOB CASE SMALL SIZE. FREQUENCY - 315 MHZ
			TA1 4	ABRITES KEY FOR ALL TYPES MERCEDES WITH IR. FREQUENCY - 433 MHZ
				10 PCS X TA14 - ABRITES KEY FOR ALL TYPES MERCEDES WITH IR. FREQUENCY - 433 MHZ
			TA1 5	ABRITES KEY FOR ALL TYPES MERCEDES WITH IR. FREQUENCY - 315 MHZ
				10 PCS X TA15 - ABRITES KEY FOR ALL TYPES MERCEDES WITH IR. FREQUENCY - 315 MHZ
			TA2 3	ABRITES ELECTRONIC KEY HEAD WITH REMOTE CONTROL (RENAULT/DACIA)
				10 PCS X TA23 - ABRITES ELECTRONIC KEY HEAD WITH REMOTE CONTROL (RENAULT/DACIA)
CHRYSLER/DODGE/JE EP			TA2 4	ABRITES CHRYSLER/DODGE/JEEP 2013+ KEY

				10 PCS X TA24 - ABRITES CHRYSLER/DODGE/JEEP 2013+ KEY
			TA2 7	MEGANE 3/LAGUNA 3 KEY PCB
				10 PCS X TA27 - MEGANE 3/LAGUNA 3 KEY PCB
			TA2 8	CLIO 4/CAPTUR KEYLESS KEY PCB
				10 PCS X TA28 - CLIO 4/CAPTUR KEYLESS KEY PCB
			TA2 9	ABRITES FIAT 500X KEYLESS KEY
				10 PCS X TA29 - ABRITES FIAT 500X KEYLESS KEY
			TA3 0	ABRITES DST-AES TRANSPONDER EMULATOR
				10 PCS X TA30 - ABRITES DST-AES TRANSPONDER EMULATOR
			TA3 1	ABRITES EXTRACTOR
				10 PCS X TA31 - ABRITES EXTRACTOR
			TA3 4	ABRITES RENAULT MEGANE 4/TALISMAN KEYLESS KEY
				10 PCS X TA34 - ABRITES RENAULT MEGANE 4/TALISMAN KEYLESS KEY
			TA3 5	ABRITES RENAULT CLIO 4/CAPTUR KEYLESS KEY
				10 PCS X TA35 - ABRITES RENAULT CLIO 4/CAPTUR KEYLESS KEY
			TA3 6	ABRITES DST 40BIT/DST+ 80BIT ELECTRONIC KEY HEAD
				10 PCS X TA36 - ABRITES DST 40BIT/DST+ 80BIT ELECTRONIC KEY HEAD
			TA3 8	IC REPLACEMENT FOR ALFA ROMEO GIULIA/STELVIO
				10 PCS X TA38 - IC REPLACEMENT FOR ALFA ROMEO GIULIA/STELVIO
			TA3 9	RENAULT MEGANE 4/TALISMAN KEYLESS KEY KEY

				10 PCS X TA39 - RENAULT MEGANE 4/TALISMAN KEYLESS KEY KEY
			TA4 0	ABRITES ALFA ROMEO GIULIA/STELVIO KEY
				10 PCS X TA40 - ABRITES ALFA ROMEO GIULIA/STELVIO KEY
			TA4 1	SUBARU DST-AES EMULATOR
				10 PCS X TA41 - SUBARU DST-AES EMULATOR
			TA5 4	ABRITES KEY FOR JLR (433 MHZ)
				10 PCS X TA54 - ABRITES KEY FOR JLR (433 MHZ)
			TA5 6	ABRITES KEY FOR JLR (315 MHZ)
				10 PCS X TA56 - ABRITES KEY FOR JLR (315 MHZ)
			TA5 7	ABRITES KEY FOR 2018+ JLR VEHICLES (433 MHZ)
				10 PCS X TA57 - ABRITES KEY FOR 2018+ JLR VEHICLES (433 MHZ)
			TA5 8	ABRITES KEY FOR 2018+ JLR VEHICLES (315 MHZ)
				10 PCS X TA58 - ABRITES KEY FOR 2018+ JLR VEHICLES (315 MHZ)
			TA5 9	VOLKSWAGEN TOUAREG KEYLESS KEY (868 MHZ)
				10 PCS X TA59 - VOLKSWAGEN TOUAREG KEYLESS KEY (868 MHZ)
			TA6 0	VOLKSWAGEN TOUAREG KEY (868 MHZ)
				10 PCS X TA62 - ABRITES KEY FOR 2020+ JLR VEHICLES (433 MHZ)
			TA6 2	ABRITES KEY FOR 2020+ JLR VEHICLES (433 MHZ)
				10 PCS X TA62 - ABRITES KEY FOR 2020+ JLR VEHICLES (433 MHZ)
			TA6 3	ABRITES KEY FOR 2020+ JLR VEHICLES (315 MHZ)

				10 PCS X TA63 - ABRITES KEY FOR 2020+ JLR VEHICLES (315 MHZ)
			TA64 4	TA64 - ABRITES HITAG-AES EMULATOR
				10 PCS X TA64 - ABRITES HITAG-AES EMULATOR

