



Achieve the impossible

ABRITES Diagnostics for  
Renault/ Dacia Online **User**  
**Manual**

Version: 31.8

[www.ABRITES.com](http://www.ABRITES.com)

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## I. Abrates diagnostics for Renault/ Dacia Online:

The Abrates diagnostics for Renault/ Dacia online is a Windows based online software developed by Abrates. It requires a minimum of 1024MB RAM, 64GB of free hard drive space and at least Windows 7 64bit Service Pack 1 or later version to operate. It can be used for diagnostics of Renault/ Dacia vehicles using OBD II. The supported vehicles are the ones produced after around the year 1999 up to present day. With its help you can perform basic diagnostics, monitor live data, read diagnostic trouble codes (DTCs), Clear DTCs, etc. With its help you will also be able to perform other tasks in the future you will be able to perform module adaptation and cluster calibration and key programming .

## II. Using the Abrates Diagnostics for Renault/ Dacia

The Abrates diagnostics for Renault/ Dacia is a Windows based online application and as such it requires the computer you have installed it on to be connected to the internet. We can suggest a connection to the internet via 3G/ 4G from a mobile device as well as a WI-FI network. Please ensure to have port 8443 allowed by your internet service provider in order to ensure the correct functionality of your Abrates diagnostics for Renault/ Dacia Online.

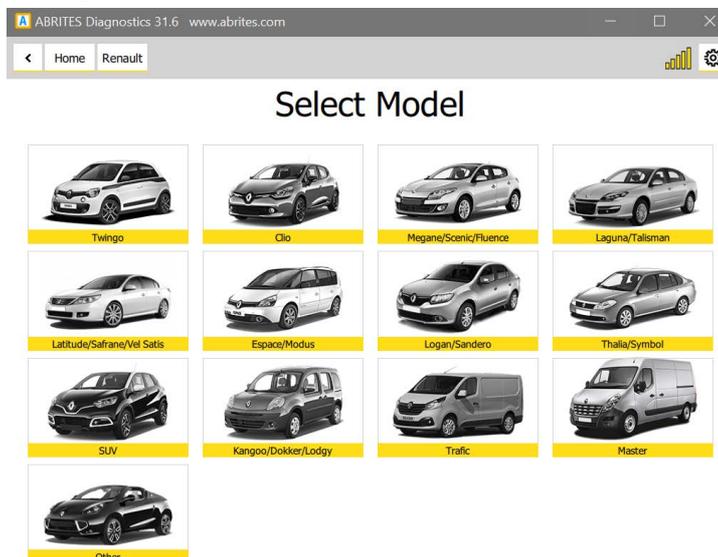
Using the icon in the top right of your software screen you will be able to see the internet connectivity and signal strength and the settings icon (sprocket) will allow you to choose a language in which the software to operate:



When you open the Abrates Quick Start you can select the Abrates diagnostics for Renault/ Dacia Icon:

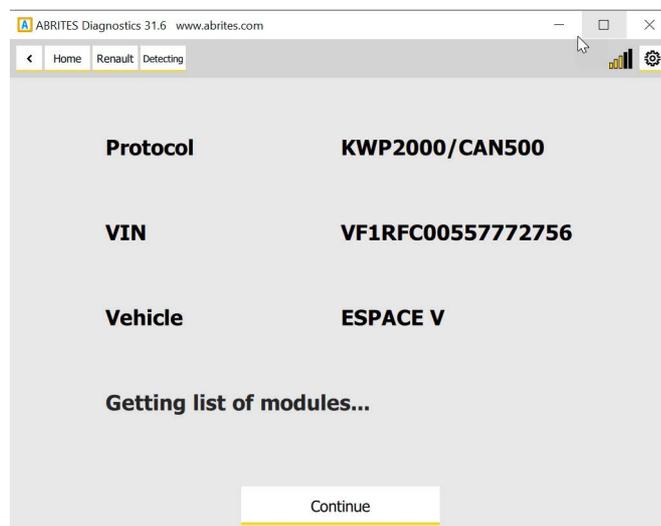


When you start the Abrates diagnostics for Renault/ Dacia Online you will be able to select the category of a vehicle you are working with. After that you can select the model you are working with.



From here you will be able to select the category of a vehicle you are working with.

From here you will see the details of the car - the diagnostic protocols it uses, the VIN of the car, the model, and then the software will automatically go to the list of modules installed in this particular vehicle.



This is what the module list looks like:

Other Filter	Code	Short	Full	Units
Scan				
Clear Faults	[01]	A.B.S.	A.B.S. (Renault: 2)	7 faults
Key Learning	[02]	PS	PILOTTED SUSPENSION (Renault: 9)	4 faults
Mileage	[04]	UP	VARIABLE F.A.S. (Renault: 18)	2 faults
Program Dts				
Reset	[03]	PR	PARKING BRAKE (Renault: 11)	7 faults
Programming	[05]	PRC	PARKING PROX. CAR (Renault: 41)	7 faults
	[06]	UDH	UDH (Renault: 4)	15 faults
	[07]	UPC	UPC (Renault: 30)	5 faults
	[08]	AC	AIR CONDITIONING (Renault: 6)	13 faults
	[09]	AP	ARRAJ / PRETENSIONERS (Renault: 5)	16 faults
	[10]	GSC	GENEROX ELEC CONTROL (Renault: 47)	
	[11]	IP	INSTRUMENT PANEL (Renault: 2)	3 faults
	[12]	TSD	TELEMETRIC CTRL LINE (Renault: 77)	
	[13]	INJECTION	INJECTION (Renault: 1)	13 faults

After you see the list of modules you can enter each of them in order to do diagnostics: Read DTCs, view live data, perform actuator testing and so on. You can monitor live values in a graph form (with live graphics being displayed) or using the table view of the software to monitor as many parameters as you wish simultaneously:

Unit 7A: INJECTION [Family: 1]

Actuators	FACTORY CONTROL PART NUMBER (F187)	237108496R
Live Values	NAME OF THE COMPUTER SUPPLIER (F18A)	ROBERT BOSCH GMBH, VAT ID NO DE811128135, SUPPLIER NO 037
Fault Codes	SOFTWARE NUMBER (F194)	170B
DPF Regeneration	VDIAG NUMBER (F1A0)	81
Injectors Coding	SOFTWARE VERSION (F195)	6500
	VIN (F190)	VF1RFC0055772756
	CONFIGURATION FILE REFERENCE LINK F188	237108496R
	SERIAL NUMBER OF THE ECU (F18C)	22350257010317141458
	CYLINDER 1 INJECTOR CODE	8HZYFD
	CYLINDER 2 INJECTOR CODE	81R3AED

< Home Renault ESPACE V INJECTION Values  

Enter Filter Values

Query	DATASET	<input type="checkbox"/> CLUTCH INFORMATION UNAVAILABLE
Graphics		<input type="checkbox"/> CLUTCH INFORMATION ABSENT
Select All		<input type="checkbox"/> BRAKE INFORMATION UNAVAILABLE
Select None		<input type="checkbox"/> BRAKE INFORMATION ABSENT
		<input type="checkbox"/> DECELERATION WITHOUT BRAKE DEPRESSED
		<input type="checkbox"/> SHARP DECEL. WITHOUT BRAKE DEPRESSED
		<input type="checkbox"/> CC INHIBITED BY INJECTION
		<input type="checkbox"/> SL INHIBITED BY INJECTION
		<input type="checkbox"/> ACTUAL VEHICLE SPEED INFO. UNAVAILABLE
		<input type="checkbox"/> ACTUAL VEHICLE SPEED INFO. ABSENT
		<input type="checkbox"/> DISPLAYED VEHICLE SPEED INFO. ABSENT
		<input type="checkbox"/> CHANGE OF VEHICLE SPEED UNIT
		<input type="checkbox"/> WIRED BRAKE CONTACT
		<input type="checkbox"/> FAST IDLE SPEED FUNCTION
		<input type="checkbox"/> STARTER MOTOR
		<input type="checkbox"/> CLUTCH START OF TRAVEL SWITCH
		<input type="checkbox"/> CLUTCH END OF TRAVEL SWITCH

**ABRITES**

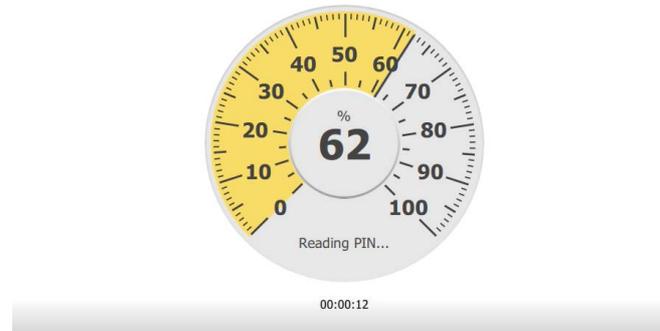
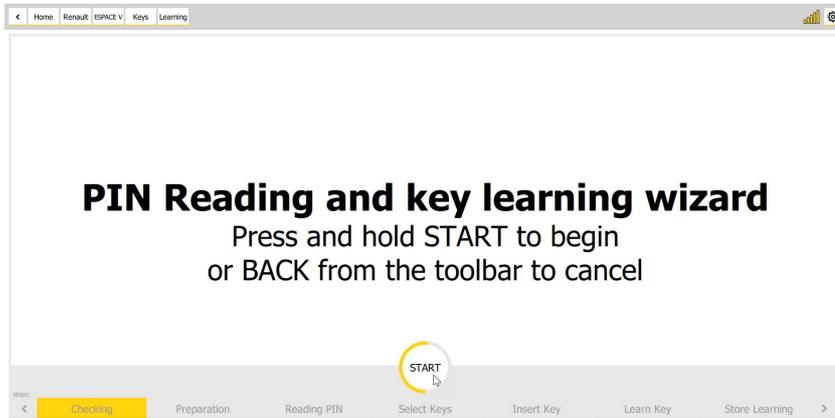
### III. Special Functions available in the Abrates diagnostics for Renault/ Dacia.

With the help of the Abrates diagnostics for Renault/ Dacia you can renew modules, program keys, exchange cluster calibrations and many others. Here is how to do that.

# 1. Key programming

With the help of the Abrates diagnostics for Renault Dacia and the PROTAG programmer key programming is a breeze.

-First make sure to go to the key programming button and read the PIN CODE from the car:



Make sure to save the pin once you read it, this is done using the right click and "COPY" function



## Checking

Please turn ignition ON and press NEXT button when ready  
NOTE: If you intend to learn a new card/key use it now!

Make sure your Protag is connected in order to prepare a new card.

Please put the new key in ProTag antenna

Please put the new key in ProTag antenna



You will be able to detect the car and see the recognition of the transponder or key type in real time.

Touch card 1 logo to the START button

Then press NEXT button to continue

Select number of keys to learn



For vehicles with a card make sure to have the emblem on the key card facing the start/stom button.

Repeat the process for the next card.

## 2. Module replacement

Using Abrates diagnostics for Renault/ Dacia you can replace many modules. ECUs, UCH, ESLs, etc. Here is what you need to do, we will use the **UCH** for an example.

- Make sure you read the **PIN code** from the car and copy it as we have discussed above.

PIN found

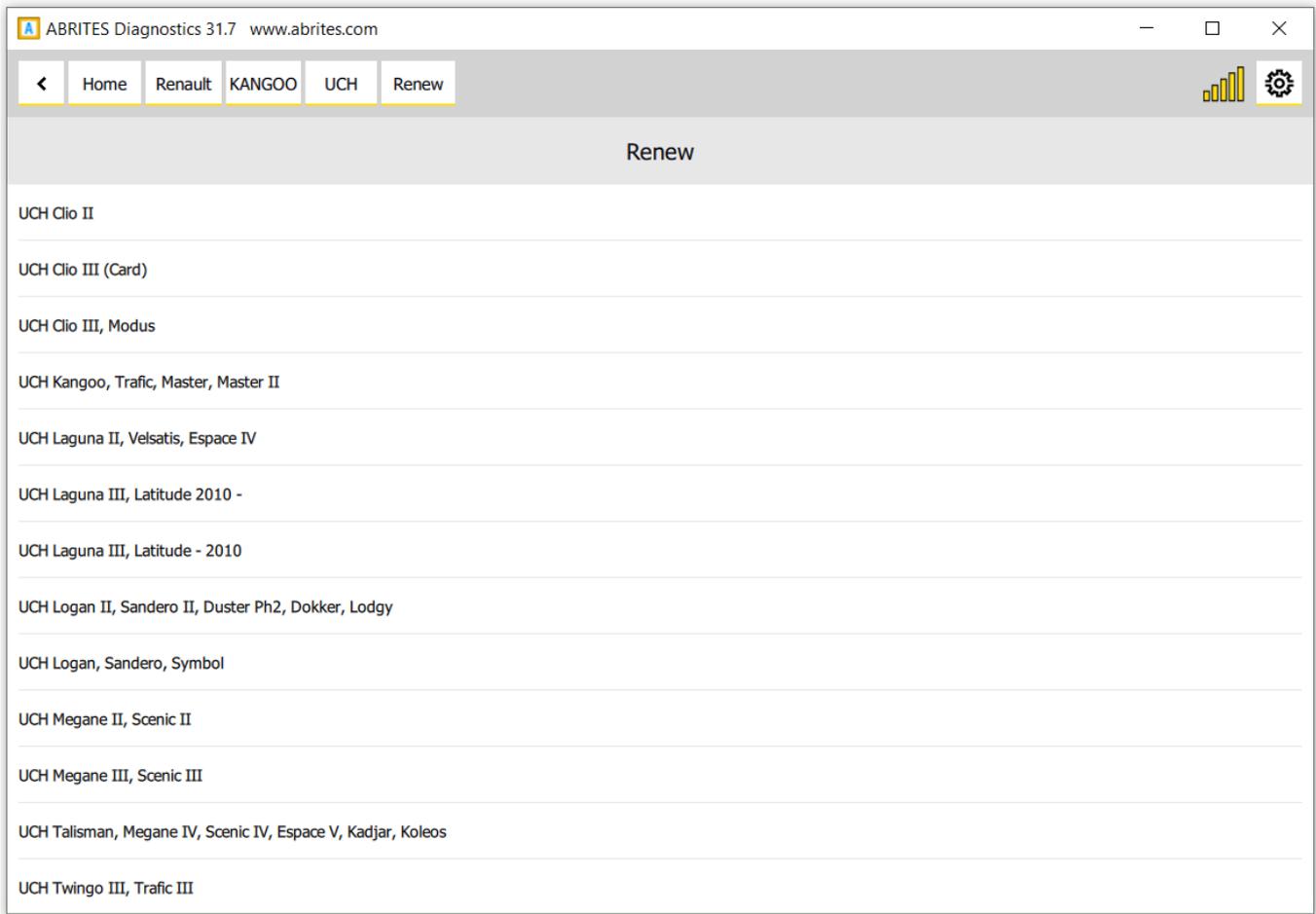
4BFD314E96A020BA53A15E060226C2E3

Go to "Live values and confirm that the module (**in this case UCH**) is virgin or not. If it is virgin - you can adapt it. If it is not virgin you can renew it. Blank body computer says NO, meaning that the UCH needs to be renewed:

Values	
BLANK BODY COMPUTER	NO
BLANK CARD	NO
CARD ALLOCATED TO THE VEHICLE	NO
CENTRAL DOOR LOCKING BUTTON	RELEASED

Renew	
UCH Clio II	
UCH Clio III (Card)	
UCH Clio III, Modus	
UCH Kangoo, Trafic, Master, Master II	
UCH Laguna II, Velsatis, Espace IV	
UCH Laguna III, Latitude 2010 -	
UCH Laguna III, Latitude - 2010	
UCH Logan II, Sandero II, Duster Ph2, Dokker, Lodgy	
UCH Logan, Sandero, Symbol	
UCH Megane II, Scenic II	
UCH Megane III, Scenic III	

From the Renew menu we can select the UCH type and move forward:



Press the Renew button to renew the selected unit

Renew

ATTENTION: After renew the unit might not work correctly until adapted!  
To adapt it you must provide the PIN code. If you do not have the PIN code, please read it first!

Do you really want to continue?

Yes

No

Make sure you have the PIN and VIN

The unit is renewed

Adapt

Switch IGNITION OFF and enter VIN and PIN

VF1RFC00557772756

00112233445566778899AABCCDDEEFF

Confirm

Once you confirm the needed values the UCH is adapted. **The procedure is the same for ECUs.**

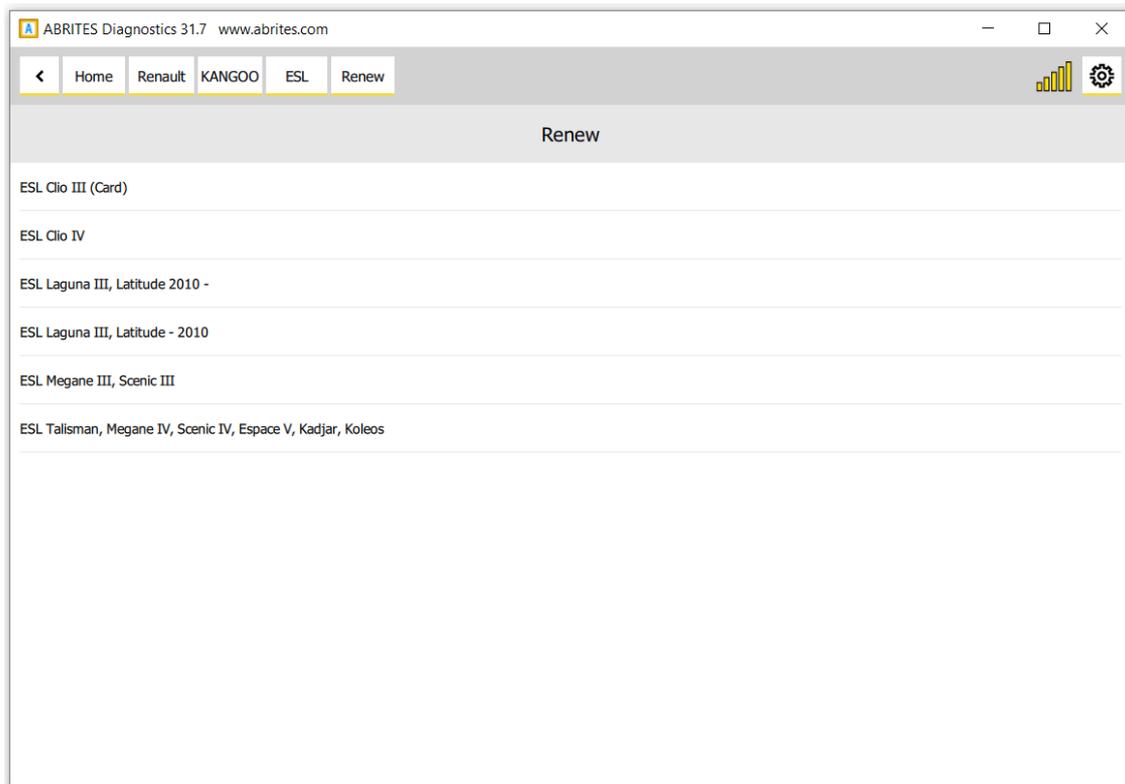
## ESL adaptation

The **ESL adaptation** procedure is done from the "**Renew**" special function.

It is not possible to renew the ESL via OBDII, you have to open it and erase the 24C04 EEPROM and then start the adaptation procedure.

- The models after 2008/2009 require the PIN code for the adaptation. Once the ESL's EEPROM is erased you can select Renew > ESL > model > click "Adapt".

Here is a list of the supported ESLs for adaptation:



You could always use our **EM002 ESL plug&play emulator** for Renault/Nissan instead. It supports **all ESLs** for all **Renault/Nissan** models.



The Abrates **EM002 emulator for Renault/Nissan** supports all ESL types (old 6 pins(Renault) , new 6 pins(Renault), 8 pins(Nissan)).

**OLD type ESL diagram(Renault):**



Connection to old ESL :

- 1 - BLACK (-)
- 2 - RED(+)
- 3 - GREEN (CAN H)
- 4, 5 - NOT USED
- 6 - BLUE (CAN L)

**NEW type ESL diagram(Renault):**



Connection to new ESL :

- 1 - BLACK (-)
- 2 - RED(+)
- 3 - GREEN (CAN H)
- 4 - Connect pin 4 of the ESL to pin 2 of the ESL through 100 Ohm resistor.
- 5 - NOT USED
- 6 - BLUE (CAN L)

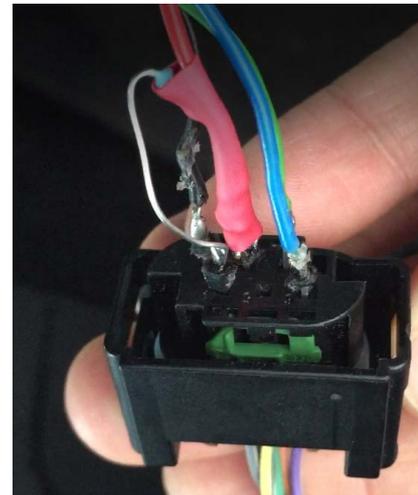
**8 pins ESL diagram(Nissan):**



Connection to new ESL :

- 1 - BLACK (-)
- 2 - RED(+)
- 3 - GREEN (CAN H)
- 4, 5, 7 - NOT USED
- 6 - Connect pin 6 of the ESL to pin 2 of the ESL through 100 Ohm resistor.
- 8 - BLUE (CAN L)

Example new type ESL diagram(Renault):



**Note:**

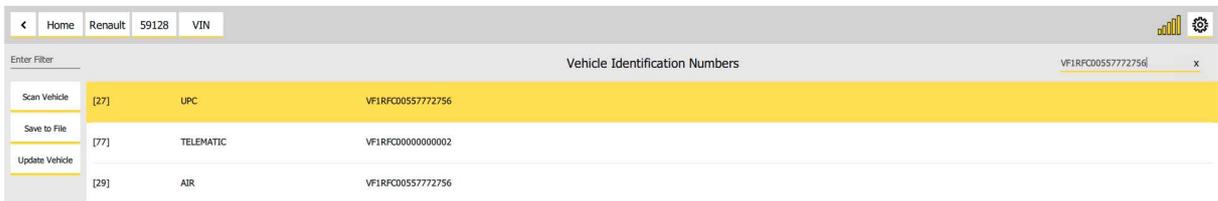
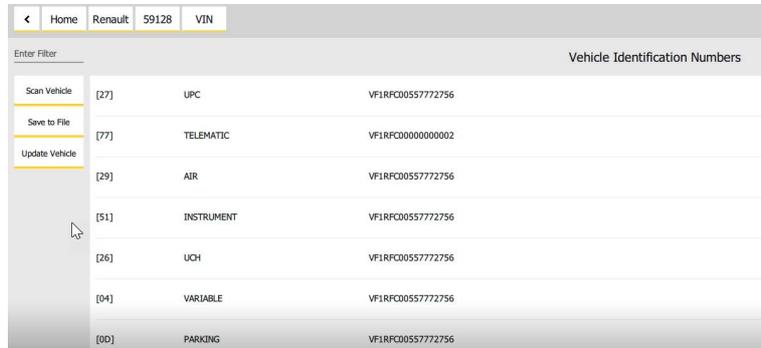


The green square represents the position of the toggle switch

\*The white wire is used to update the emulator but at the moment there are no updates available.

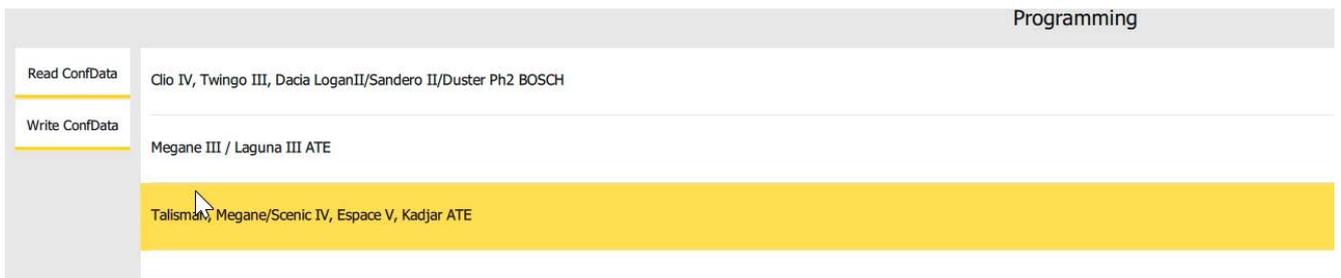
### 3. VIN exchange

In some cases you may need to update the VIN number in some modules. When you open the list of VINs you will be able to select the VIN and enter a new value to match to the car. Then simply save the changes and you are done

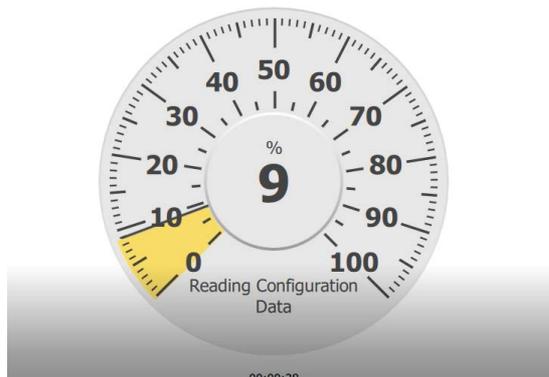


### 4. Other module exchange types. ABS etc.

There is a different adaptation method for these modules. The procedures are mostly intuitive but you need to follow these guidelines:



Select the ABS type, read the Conf Data (EEPROM), save it to a file and replace it to the donor ABS



## 5. Other special functions

With the help of Abrates diagnostics for Renault/ Dacia you can perform many other functions. Here are just some of them:

### - DPF regeneration

Please make sure that the conditions are correct.

### - Injector calibration.

Enter Injectors Values

8HZYFID

81R3AED

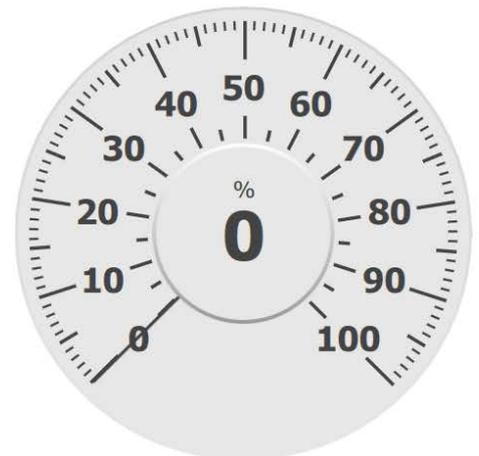
AIAEDEE

B1BUFAD

Update

The procedure can be paused by two short presses of the START-STOP button.  
To stop the procedure, turn IGNITION OFF for at least 1 minute.  
During the procedure do NOT:  
- Stop the ABRITES Diagnostics  
- Drive the vehicle  
- Press the brake pedal  
The operation takes 30 minutes.

Start



## - Airbag clear crash data via OBDII

The procedure is done from the **"Renew"** special function via OBDII followed by the **"Clear crash"** option. Here is a list of all supported units:

