

SDD
SilcaDiagnosticDevice

SBB

SW-RENAULT[®] -L0 (SDD/SBB)

CODE: D431353XA - VERS. 3.0



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SW-PRG. RENAULT®-L0 (SDD/SBB)




1



RENAULT®

The functions on these vehicles are:

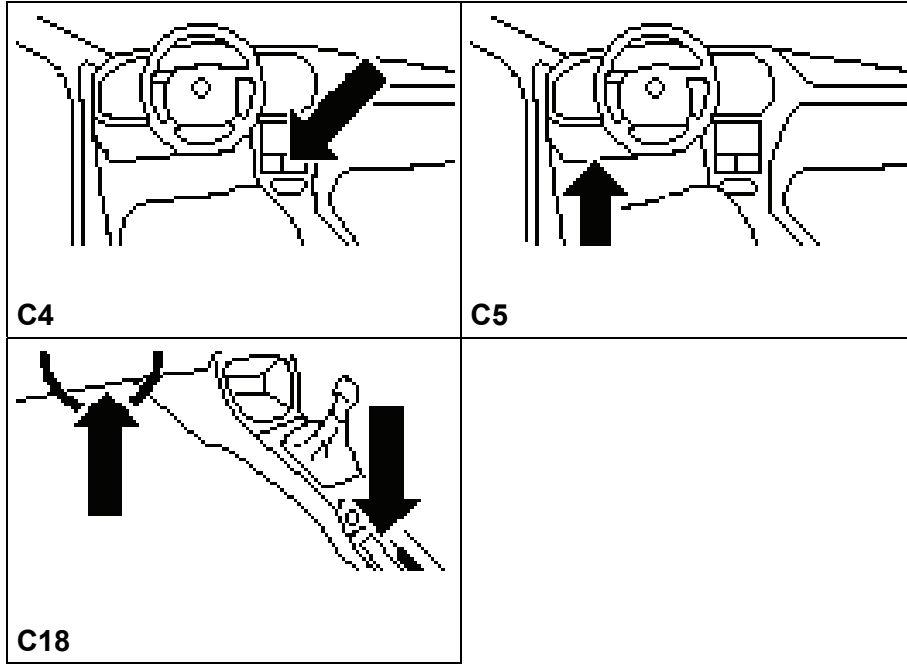
- Programme new keys (Max number of operational keys = 4);
- Program remote controls (Max number = 2);
- Read the number of keys memorized;
- Read the IMMO ID;
- Read the errors present;
- Delete the errors present.

To make use of this function, use:

	 <p style="text-align: center;">SWITCH ADAPTER</p>
 <p style="text-align: center;">CABLE OBD II [00] (STANDARD)</p>	<p style="text-align: center;">PIN CODE</p> <p>Comprising 8-12 alphanumeric characters On the adhesive label on the vehicle maintenance booklet.</p> <p>If mislaid apply to dealer with chassis number</p>
<p style="text-align: center;">All keys to be memorized (Max 4)</p>	

SBB	CABLE/ADAPTOR
	 <p style="text-align: center;">CABLE OBD II [00] (STANDARD)</p>

WHERE TO FIND THE PLUG DIAGNOSTICS



2

FUNCTIONS MENU RENAULT®

SELECTING THE CAR MAKE

In this case SDD/SBB is unable to automatically detect the different centralized units connected. To find out the type of communication procedure to launch, identify:

- VEHICLE MODEL
- YEAR OF MANUFACTURE
- TYPE OF IMMOBILIZER SYSTEM

To identify the TYPE OF IMMOBILIZER use an operative key. **If you do not have an operative key, try with a Crypto transponder system only.** Proceed as follows:

Use RW2 (IDENTIFICATION Function) to check whether or not there is a transponder.

Result:

1) NO TRANSPONDER

In this case open the vehicle door without using the remote control and try ignition:

- If the vehicle will not start it has an INFRARED immobilizer (this system is not available with SDD/SBB).
- If the vehicle starts it does not have an Immobilizer and a mechanical copy of the key will suffice.

2) Fixed code TRANSPONDER (ID 33)

This system is not available with SDD/SBB (a copy can be made using RW2);

3) Cripto code TRANPONDER (ID 4D,46)

(open the vehicle door without using the remote control and try ignition):

- If the vehicle will not start it has a COMBINED transponder (this system is not available with SDD/SBB).
- If the vehicle starts it does not have a "Transponder" Immobilizer. Program the key with SDD/SBB, select the appropriate model and year.

If you do not have an operative key, try with a Crypto transponder system only.

- RENAULT -	
AVANTIME	(02-)
CLIO	(01-)
KANGOO	(01-)
> MEGANE	(01-)
TWINGO	(01-)
(F1)	↑↓↔↻

- use the up/down ↑↓ arrow keys to select the make, then press **ENTER**.
- select **ESC** to quit.

FUNCTIONS MENU

This section allows the functions to be carried out, in particular to:

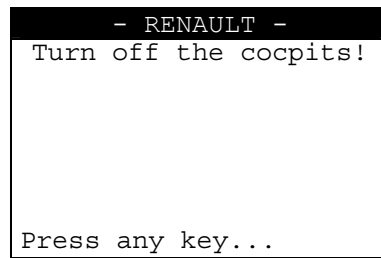
- programme new keys in the immobilizer also when all the original keys are missing;
- delete the code for a missing key from the immobilizer memory;
- delete any errors in the immobilizer memory.

ATTENTION: the programming system for the RENAULT® group is structured so that every time programming takes place all the keys (MAX 4) that will be used on the given car must be memorized again. It is therefore not possible to add/delete a single key individually.

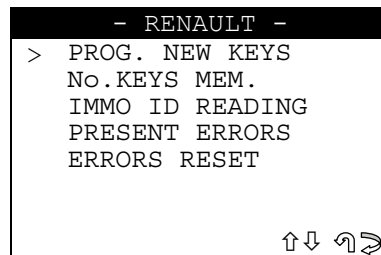
If the wrong PIN CODE is entered 3-10 times consecutively, according to the model, the immobilizer central unit is blocked.

The menu for RENAULT® functions has the following structure:
There is a key already in the ignition unit, turned to the (ON) position.

- The display shows:



- If the message appears, turn the key to the OFF position;
- Press any key to continue.



Select and press **ENTER**.

2.1 PROGRAMMING NEW KEYS

This function is used to add or delete keys in the immobilizer.

To programme new keys the **PIN CODE** (secret number of 8-12 alphanumeric characters according to the model) must be known. The code is supplied on an adhesive label when the vehicle is consigned. Dealers often attach the label to the vehicle maintenance handbook. See figure:



Figure 1

If the pin code is lost or the label is missing, ask the dealer for a replacement, providing the chassis No., which is to be found in the vehicle logbook or stamped on a metal plate located inside the bonnet.

- To activate the function, select "**PROG. NEW KEYS**" and press **ENTER**.

The display will show:

```
PROG. NEW KEYS
If you don't have
  PIN CODE
you don't codify
  any key
↩➤
```

The display will show:

```
- DATES INSERTION -
PIN CODE           :XXX
↩➤
```

- Enter the **PIN CODE** and press **ENTER**;
- Select **ESC** to quit;
- Press **ENTER** to continue.

Programming of the keys in the vehicle now starts.

- If a wrong PIN has been entered or errors have occurred during communication, the display will show an msg [ERROR 1] (see ch. "WARNING/ERROR MESSAGES" of the Operating manual);
- If the PIN is correct, the display will show:

```
Insert keys to be
  programmed in
  sequence and turn
  them ON and OFF for
  5 sec respectively.
Press any key...
```

Programming of the keys in the vehicle now starts.

Fit all the keys to be programmed in sequence, turning them to the ON position for 5 seconds then to the OFF position for 5 seconds.

At the end of the operation press any key to continue.

```
Keys number in
  memory
  X
Press any key...
```

Make sure that the number of keys in the memory corresponds to that actually programmed (if not, repeat programming).

- Press any key to continue.

REPROGRAMMING REMOTE CONTROLS

When the key programming operations are complete, all the remote controls must be programmed (Max 2).

```
PROGRAM TLC
Insert a key.
Turn it "ON".
Push TLC for 10 s.
Remove the key.
Repeat for all the
TLC
Press any key...
```

Carry out in the same order:

- Fit a key (Memorized) into the ignition block and turn to the **ON** position;
 - Hold down the door-unlocking key on the remote control for 10 seconds;
 - Repeat this operation for all the remote controls to be programmed, using different keys;
- Press any key to continue.

```
At the end lock the
car with a TLC and
wait 2 min. before
doing any operation.
Premi un tasto...
```

Carry out in the same order:

- Remove all keys from the car;
- Lock the car using one of the memorized remote controls;
- Wait 2 minutes before carrying out any operation on the car;
- If an error occurs during programming a msg. will appear [ERROR 6] (see ch. "WARNING/ERROR MESSAGES" of the Operating manual).

TESTING THE KEY

ATTENTION: to check that the memorized keys and remote controls work, test that all the remote controls lock and unlock the car and that the memorized keys start the engine (always wait 30-40 sec. Between ignitions), if the test is negative, repeat the operation.

ARCHIVING OPERATIONS - USERS DATA

When the programming operation is complete, the display will show:

```
Do you want to save
the data?

NO
>YES

↑↓ ↻
```

- Select **YES/NO** and press **ENTER**;
- **No**, to return to the **IMMOBILIZER function menu**;
- **Yes**, to memorize the data relating to the operation completed;
- Select **ESC** to quit.

USER DATA ARCHIVE

To enter user data, the display will show:

```
- USER DATA -
POS.: 001
DATE: 19/07/01
> SURNAME: XXXXXXXXXXXX
NAME: XXXXXXXXXXXX
REG.NO: XXXXXXXXXXXX

↑↓↔↵
```

- SURNAME (required) (**12 characters**).
- NAME/NUMBER PLATE (optional) (**12 characters**).

The following data will be saved automatically:

- **POS.:** Position in which the information will be saved;
- **DATE:** Date of the operation;
- **MAKE:** Car make for which the keys have been memorized;
- **MODEL:** Car for which the keys have been memorized;
- **YEAR:** of the model;
- **Keys Mem.:** number of keys memorized;
- **PIN CODE:** (if memorization is confirmed by the operator);
- **IMMO ID:** Central immobilizer unit identification.

To enter the data:

- use the ↑↓ keys to go to the item required;
- press ↔ to enter and select the field in which the text will be entered;
- Press **ENTER** to confirm;
- Select **ESC** to quit and save the data.

```
Are information
inserted correct?

NO
>YES

↑↓↵
```

- Select and press **ENTER**;
- **No**, to return to the data entry screen;
- **Yes**, to save the data entered in the archive;
- Select **ESC** to quit.

2.2 NUMBER OF KEYS MEMORIZED

This function is used to view the number of keys memorized in the immobilizer. After selection the display will show:

```
- KEYS MEM. -

Keys number in
memory:
XX

Press any key...
```

- Press any key to continue.

2.3

READING IMMO ID

This function is used to view the **immobilizer identification (ID IMMO)**, a code comprising 10 alphanumerical characters.

- Select and press **ENTER**, the display will show:

```
- IMMO ID READING -  
  
IMMO ID:  
XXXXXXXXXX  
  
Press ESC to quit
```

- Press **ESC** to quit.

2.4

PRESENT ERRORS

This function is used to check for any anomalies in the immobilizer memory.

- After selection press **ENTER**, the display will show:

```
Please wait:  
Present errors
```

NO ERRORS

If there are no anomalies in the memory, the display will show:

```
- PRESENT ERRORS -  
  
NO ERROR  
DETECTED  
  
Press any key...
```

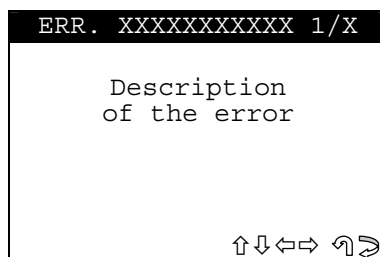
- Press any key

ERRORS FOUND

If there are anomalies in the memory the display will show how many (XX) errors there are in the centralized unit memory:

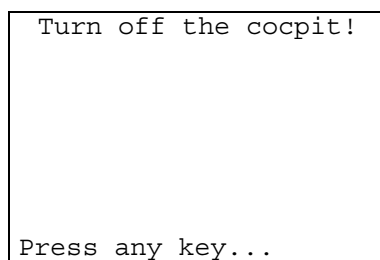
```
- PRESENT ERRORS -  
  
Detected  
XX  
errors  
  
Press any key...
```

Press any key to view a description of the error:



- **ERR: XXXXXXXXXXXX** error code;
- Press $\uparrow\downarrow\leftarrow\rightarrow$ to scroll all the errors found in the memory;
- Press **ESC** to quit.

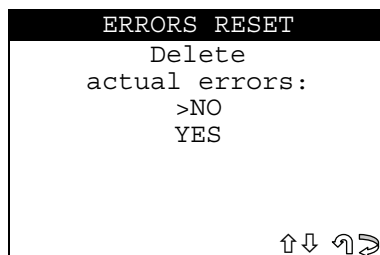
The display will show:



- Turn the key to the **OFF position** and press a key.

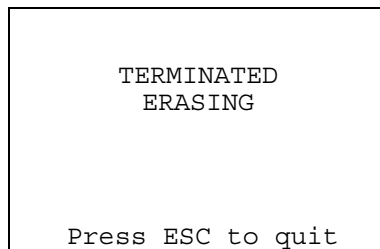
2.5 DELETING ERRORS

First select then press ENTER, the display will show:



- Select and press **ENTER**;
- **No**, returns to the previous menu;
- **Yes**, deletes the errors memorized;
- Select **ESC** to quit.

The display will show:



Select **ESC** to quit.



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