

SDD
SilcaDiagnosticDevice

SBB

SW- RENAULT[®] CAN BUS -L1 (SDD/SBB)

CODE: D431390XA - VERS. 4.0



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SW- PRG. RENAULT® CAN BUS -L1 (SDD/SBB)

1

RENAULT® CAN BUS

New generation cars use a new communication technology known as CAN BUS (Controller Area Network). This system is designed to eliminate the problem of overcrowding with electrical wiring in modern vehicles due to an increase in the number of electronically controlled functions. Today on most cars each single wire in the electrical system carries out a single function, i.e. it powers a given component or receives or sends certain information. CAN BUS makes use of a «multiplex» network connection that connects the various central units and transmits data and commands on a single line (also called «data bus»).

OPERATIONAL NOTES

N.B: To use IMMOBILIZER SDD functions on RENAULT CAN BUS models, include the optional CAN BUS SWITCH ADAPTER (CodeD726833ZB) + OBD II Cable (00).

RENAULT				
MODELS	FROM	TO	SILCA REF.	ILCO REF.
Megane CAN	2003		ORIGINAL	ORIGINAL
MODUS CAN	2004		ORIGINAL	ORIGINAL



The functions for these vehicles are:

- Programming of new keys/cards (max. 4);
- Reading of the number of keys/cards memorized;
- Automatic programming of the associated remote control when a key/card is programmed.

In order to use this function on the models listed, the following must be used:

	 <p>Switch Adapter CAN BUS (*Optional) CODE D726833ZB</p>
 <p>CABLE OBD II [00] (STANDARD)</p>	<p>PIN CODE</p> <p>Sequence of 12 alphanumeric characters, provided by the dealer on request</p>
 <p>New and/or old All the keys/cards to be memorized (max. 4)</p>	

* Standard for those in possession of SDD USA CAN BUS.

SBB	CABLE/ADAPTER
	 CABLE OBD II [00] (STANDARD)

WHERE TO FIND THE PLUG DIAGNOSTICS



To programme new keys (cards) the PIN CODE must be known (secret number of 12 alphanumeric characters, according to the model involved).

The code is issued by the RENAULT dealer against communication of the vehicle chassis number. The chassis number is found in the vehicle log book or stamped on a metal plate inside the engine bonnet.

Whenever a key/card is programmed, all the keys/cards to be used on the vehicle must be reprogrammed.

NOTE: A key/card can be programmed for one vehicle only. E.g.: cards already programmed for vehicle B cannot be memorized on vehicle A.

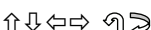
ATTENTION: Introducing the wrong PIN CODE 3 consecutive times causes blockage of the immobilizer central unit.


ATTENTION: Silca S.p.A. is not in possession of the release procedure for the immobilizer central unit, which can be newly enabled only by RENAULT.

1.1 SELECTING THE CAR MODEL

Identify:


- CAR MODEL
- YEAR OF MANUFACTURE

- RENAULT -	
AVANTIME	(02-)
CLIO	(01-)
KANGOO	(01-)
MEGANE	(98-00)
MEGANE	(01-03)
MEGANE CAN	(03)
>	
	

- Press **ESC** to quit;
- Use the  arrow keys to select the make;
- Press **ENTER**.

The display will show:

```
Insert the new key,  
Turn ignition on!
```

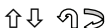


- Press **ESC** to quit;
- Press **ENTER** to continue.

1.2 FUNCTIONS MENU RENAULT® CAN BUS

- If there are problems communicating with the vehicle, an error message will appear (**ERROR 1**) or (**ERROR 2**) or (**ERROR 3**), (see chapter - WARNING/ERROR MESSAGES in the Operating Manual);
- If communication with the vehicle has taken place correctly, the display will show:

```
- RENAULT -  
> PROG. NEW KEYS  
   NUM.OF KEYS IN MEM.
```



- Select and press **ENTER**.

1.2.1 PROGRAMMING NEW KEYS

This function is used to add/delete keys (cards) in the immobilizer.
Keys/cards (already operational) not programmed during this operation will be disabled.

To programme new keys (cards) the PIN CODE must be known (secret number of 12 alphanumerical characters, according to the model involved).


The code is issued by the RENAULT dealer against communication of the vehicle chassis number.

The chassis number is found in the vehicle log book or stamped on a metal plate inside the engine bonnet.

- To activate the function, select "**PROGR. 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
```



- Select **ESC** to return to the main menu;
- Select **ENTER** to continue.

The display will show:

```
- DATES INSERTION -  
  
PIN CODE  
XXXXXXXXXXXX
```



- Enter the **PIN CODE** and press **ENTER**;

- Press **ESC** to quit;
- Press **ENTER** to continue.

Extract the KEY

Press any key...

- Remove the key (card) and press any key;
- At this moment the key programming operation starts.
- If a wrong PIN CODE has been entered, or if communication errors have occurred, the display will show an error message (**ERROR 4**) (see chapter - WARNING/ERROR MESSAGES in the Operating Manual);
 - If the PIN is correct, the display will show:

Insert the new key,
Turn ignition on!

Press any key...

- Insert the key (card) to be programmed;
- Turn ignition on (only for vehicles provided with mechanical key);
- Press any key;
- If errors occur during programming, an error message will appear (**ERROR 5**) (see chapter - WARNING/ERROR MESSAGES in the Operating Manual);
- If the key is memorized successfully, the display will show:

The key have been
stored!
Other key to
memorized?

↑↓ ↻

- Press **ENTER** to continue with the programming of another key (max. 4);
 - All the keys/cards to be used on the vehicle must be programmed;
 - Press **ESC** to end programming and go on to "OPERATION ARCHIVES - USER DATA".
- If 4 keys/cards are programmed, on completion of the fourth key/card the system goes directly onto "OPERATION ARCHIVES - USER DATA".

OPERATIONS ARCHIVES - USERS DATA

When the programming operation has been completed, the following appears:

Do you want to save
the customer data?

NO
>YES

↑↓ ↻

- Select YES/NO and press **ENTER**;
- **No**, return to the **IMMOBILIZER functions menu** screen;

- **Yes**, save the data for the operation that has just been completed;
- Press **ESC** to exit.

SAVING USER DATA

To enter user data, the following is displayed:

```

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

↑↓↔⇒↻

```

- SURNAME (mandatory) (**12 characters**);
- NAME / REG. NO. (optional) (**12 characters**).

The following data will be saved automatically:

- **POS.:** Location where the data will be saved;
- **DATE:** Operation date;
- **MAKE:** Make of the vehicle for which the operation was performed;
- **MODEL:** Model of the vehicle for which the operation was performed;
- **YEAR:** Model year;
- **Keys stored:** Number of keys stored in memory;
- **PIN CODE:** (if storage is confirmed by an operator);
- **IMMO ID:** Immobilizer control unit ID.

To enter data:

- Use the ↑↓ keys to position on the desired item;
- Press ⇒ to enter and select the field where the text is to be typed;
- To confirm, press **ENTER**;
- To exit and save the data, press **ESC**.

```

Is information
inserted correctly?

      NO
    >YES

↑↓↻⇒

```

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

1.2.2 NUMBER OF KEYS STORED

This function is used to display the number of keys stored in the immobilizer's memory.

- Make sure the key in the ignition block is in the **ON** position;
- After selecting it, the following is displayed:

```

- NUM.OF KEYS IN MEM. -

Keys number in
memory:
      XX

Press any key...

```

- Press any key to return to the main menu.



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