

**SDD**  
SilcaDiagnosticDevice

**SBB**

**SW- PEUGEOT<sup>®</sup> -L0 (SDD/SBB)**

CODE: D431361XA - VERS. 3.0



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# SW- PRG. PEUGEOT®-L0 (SDD/SBB)



## 1 PEUGEOT®

The functions on these vehicles are:

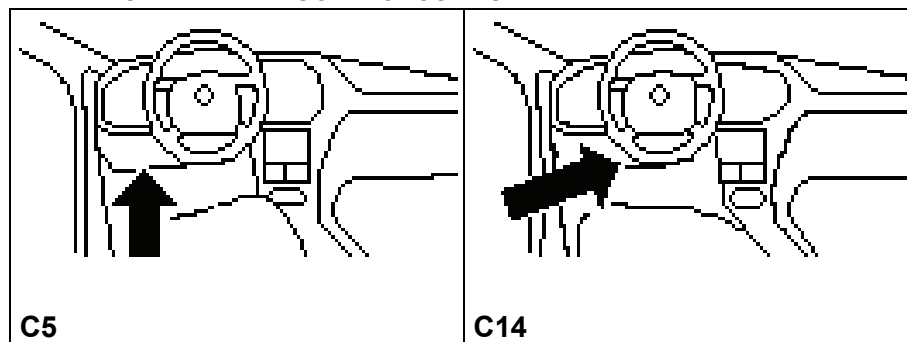
- Programme new keys (Max number of operational keys = 5);
- Add and/or delete remote controls (with PROG. NEW KEYS A-C);
- Read the number of keys memorized;
- Read the IMMO ID;
- Read the errors present;
- Delete the errors present.

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;"><b>PIN CODE</b></p> <p style="text-align: center;">Comprising 4 alphanumeric characters. On the PASS CARD</p>
<p>New and/or Old Keys (Max 5) Keys and TLC (A-C) / only keys (B)</p>	

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

### WHERE TO FIND THE PLUG DIAGNOSTICS



## 2

## FUNCTIONS MENU PEUGEOT®

### SELECTING THE CAR MAKE

In this case SDD/SBB is unable to automatically recognize the various central units connected. To identify the type of communication procedure to launch, identify:

- CAR MODEL
- YEAR OF MANUFACTURE
- VALEO SYSTEM
- CPH SYSTEM
- BSI SYSTEM

With this information the right communication procedure can be selected.

A characteristic of the list of PEUGEOT® models is the column containing a legend [IN SQUARE BRACKETS] that identifies the communication procedure for those models which may require a different procedure:

Procedures	Notes
[SV]	VALEO type immobilizer
[SC]	CPH type immobilizer
[SB]	BSI type immobilizer

If the type of immobilizer used on the car is not known or doubtful, select the right procedure in the following way:

Select MODEL ⇒ YEAR using the first procedure given in the menu (E.g. 406 [SV] (97-99)). If communication does not take place between SDD/SBB and the central unit, a message appears: ERROR 1 or ERROR 2 or ERROR 3 (see ch. "WARNING/ERROR MESSAGES" of the Operating manual). Go on to the next procedure (in this case 406 [SC] (97-99)).

Even when communication takes place between SDD/SBB and the immobilizer (the "FUNCTIONS" menu appears, see ch. of the Operating manual) it is still necessary to check that the chosen procedure is the right one, by taking a reading of the number of keys memorized before continuing.

The number must be between 1 and 5; if so, proceed with memorization of the keys.

If the number of keys memorized is not between 1 and 5, it means that although the connection to the immobilizer has been achieved, the procedure selected is not the right one. If so, select the next combination MODEL ⇒ YEAR ⇒ PROCEDURE (in this case 406 [SB] (97-99)) and check the number of keys in the memory again.

- PEUGEOT -		
	406 [SV]	(97-99)
	406 [SC]	(97-99)
>	406 [SB]	(97-99)
	406	(99-)
	406	(01-)
	806	(98-)

↑↓↔↵↶↷

- Use the ↑↓ arrow keys to select the make, then press **ENTER**.
- Press **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;
- Add and delete remote controls **PROG. NEW KEYS A-C**;
- Check how many keys are stored in the immobilizer memory;
- View the immobilizer ID (ID IMMO);
- Delete any errors in the immobilizer memory.

**ATTENTION:** The programming system for the PEUGEOT® group is so structured as to require remembering of all the keys and remote controls to be used on the vehicle, every time programming is carried out (for PROG.NEW KEYS A-C system only), 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 centralized immobilizer unit is blocked.

Some car models manufactured in the same year use different procedures that the device is unable to recognize automatically. To find the type of procedure to launch, use the table below:

Description	System	Diesel	Petrol
[SV]	VALEO system	X	X
[SC]	CPH system	X	X
[SB]	BSI system	X	X

- VALEO system: to identify this system use the Read number of keys function and check that the figure produced is correct;
- CPH system: to identify this system use the Read number of keys function and check that the figure produced is correct;
- BSI system: to identify this system use the Read number of keys function and check that the figure produced is correct.

The following is the structure of the PEUGEOT® function menu:

- There is already a key in the ON position on the ignition unit.

The display will show:

```
Turn off the cockpit!

Press any key...
```

- Turn the key to the **OFF position**, the display will show:

```
- PEUGEOT -
PROG.NEW KEYS
MEM.KEYS NUMBER
> IMMO ID READING
PRESENT ERRORS
ERRORS RESET

↑↓ ↻
```

- Select and press **ENTER**.

## 2.1 PROGRAMMING NEW KEYS

### 2.1.1 PROGRAMMING NEW KEYS (A)

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

- To activate the function select “**PROG. NEW KEYS**” and press **ENTER**.

The display will show:

```
PROG. NEW KEYS (A)
If you don't have
PIN CODE
you don't codify
any key

↻
```

The **PIN CODE** is required (secret number of 4 alphanumeric numbers).

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

The display will show:

```
- DATES INSERTION -  
PIN CODE           : XXXX  
Keys number       : Y  
  
↩➡
```

- Enter the **PIN CODE** and press **ENTER**;
- Enter the number of keys to be programmed and press **ENTER**.
- Press **ESC** to quit;
- Press **ENTER** to continue.

The display will show:

```
INSERT THE (X)  
KEY TO PROGRAM  
TURN ON THE COCPIT  
  
Press any key...
```

Programming of the keys in the car now begins.

- Enter the key to be programmed and turn to the **ON position**;
- Wait 3-5 sec.;
- Press any key to continue.

If the key has been programmed properly, the display will show:

```
THE KEY (X)  
IS PROGRAMMED  
TURN OFF THE COCPIT  
  
Press any key...
```

- Turn the key to the **OFF position**;
- Wait 3-5 sec.;
- Press any key to continue.

Repeat this operation for all the keys to be programmed.

If an error has occurred during programming, a message will appear ERROR 5 (see ch. "WARNING/ERROR MESSAGES" of the Operating manual).

## REPROGRAMMING REMOTE CONTROLS

When the key programming operations are complete, all the remote controls XXXXXXXXXXXX must be programmed.

```
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.

Press any key ...

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 has occurred during programming, an message 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 leave an interval of 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;
- **DATEA:** 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.:** nuNumber of keys memorized;
- **PIN CODE:** (if memorization is confirmed by the operator);
- **IMMO ID:** Immobilizer identification, V.I.N., mechanical code (only on certain models).

To enter the data:

- Use the  $\uparrow\downarrow$  keys to position the cursor on the item required;
- Press  $\rightarrow$  to enter and select the field in which to digit the text;
- Press  $\Rightarrow$  **ENTER** to confirm;
- Select **ESC** to quit and memorize the data.

```

Are information
inserted correct?

                NO
                >YES

                ↑↓➔
  
```

- Select YES/NO and press **ENTER**;
- **No**, to return the data entry screen;
- **Yes**, to store the data in the archive;
- Select **ESC** to quit.

## 2.1.2 PROGRAMMING NEW KEYS (B)

This function can be used to add keys to the immobilizer or delete them.

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

The display will show:

```

PROG. NEW KEYS (B)
If you don't have
PIN CODE
you don't codify
any key.

                ↶➔
  
```

The **PIN CODE** is required (secret number of 4 alphanumeric characters).

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

The display will show:

```

Turn on the cocpits!

Press any key...
  
```



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

```

- DATES INSERTION -
PIN CODE           : XXXX

Keys number       : Y

                                     ↩➤

```

- Enter the **PIN CODE** and press **ENTER**;
- Enter the **Number of keys** to be stored in the memory and press **ENTER**;
- Press **ESC** to quit;
- Press **ENTER** to continue.

```

Turn off the cocpit!

Press any key...

```

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

```

INSERT THE (X)
KEY TO PROGRAM
TURN ON THE COCPIT

Press any key...

```

Programming of the keys in the car now begins.

- Enter the key to be programmed and turn to the **ON position**;
- Wait 3-5 sec.;
- Press any key to continue;

if the key has been programmed properly, the display will show:

```

THE KEY (X)
IS PROGRAMMED
TURN OFF THE COCPIT

Press any key...

```

- Turn the key to the **OFF position**;
- Wait 3-5 sec.;
- Press any key to continue;

Repeat this operation for all the keys to be programmed.

If an error has occurred during programming, a message will appear ERROR 5 (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 leave an interval of 30-40 sec. between ignitions). If the test is negative, repeat the operation.

## ARCHIVING OPERATIONS - USERS DATA

(The flow chart is the same as that described on page 7).

### 2.1.3 PROGRAMMING NEW KEYS (C)

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

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

The display will show:

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

The **PIN CODE** is required (secret number of 4 alphanumeric characters).

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

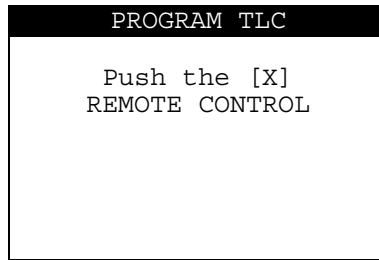
The display will show:

```
Turn on the cocpits!
Press any key...
```

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

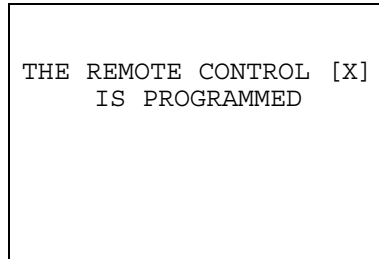
```
- DATES INSERTION -
PIN CODE           : XXXX
N.ro remote        : X
Keys number        : Y
↩➤
```

- Enter the **PIN CODE** and press **ENTER**;
- Enter the number of keys to be programmed and press **ENTER**;
- Enter the Number of remote controls to be programmed and press **ENTER**;
- Press **ESC** to quit;
- Press **ENTER** to continue.



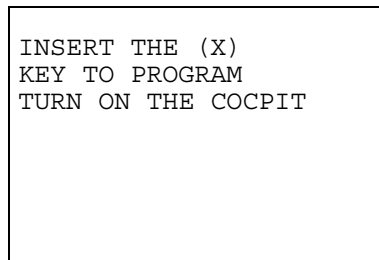
Programming of the remote controls in the car now begins.

- Press the unlock key on the remote control to be programmed;
- If the remote control is recognized the display will automatically show:



Repeat the procedure for all the remote controls to be programmed.

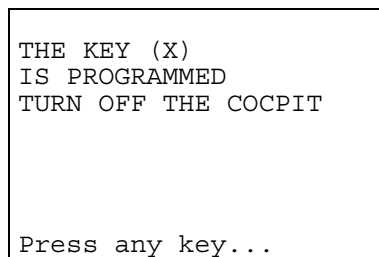
If an error has occurred during programming, an message will appear ERROR 6 (see ch. "WARNING/ ERROR MESSAGES" of the Operating manual).



Programming of the keys in the car now begins.

- Enter the key to be programmed and turn to the **ON position**;
- Wait 3-5 sec.;
- Press any key to continue;

If the key has been programmed properly, automatically the display will show:



- Turn the key to the OFF position;
- Wait 3-5 sec.;
- Press any key to continue.

Repeat this operation for all the keys to be programmed.

If an error has occurred during programming, an message will appear ERROR 5 (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 leave an interval of 30-40 sec. between ignitions). If the test is negative, repeat the operation.

## ARCHIVING OPERATIONS - USERS DATA

(The flow chart is the same as that described on page 7).

## 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 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 ERRORS

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

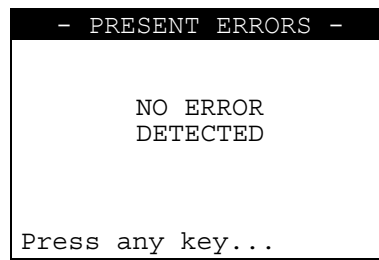
- After selection press **ENTER**.

The display will show:

```
Please wait:
Present errors
```

## NO ERRORS

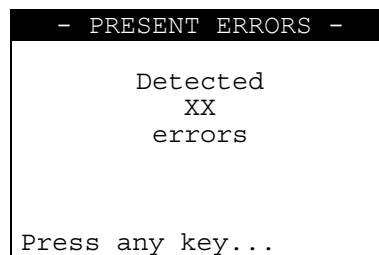
If there are no anomalies in the memory, the display will show:



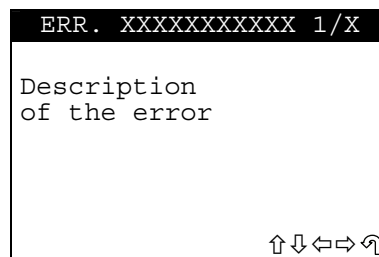
- Premere un tasto.

## ERRORS FOUND

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

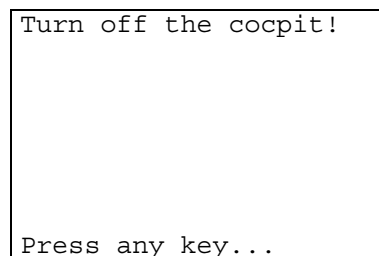


Press any key to view a description of the error:



- **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:

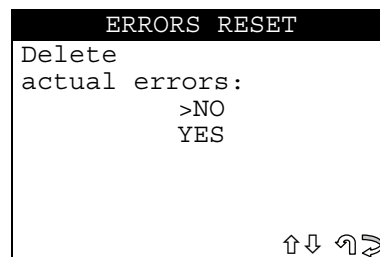


- Turn the key to the **OFF position** and press a key.

## 2.5

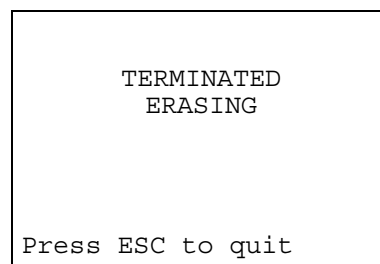
### DELETING ERRORS

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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