SDD

SilcaDiagnosticDevice

SBB

SW- SUZUKI® -L0 (SDD/SBB)

CODE: D431404XA - VERS. 3.0

GB

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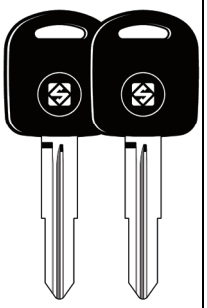
1 SUZUKI® FUNCTIONS MENU

MODEL	From	To	Silca REF	ILCO REF	Transponder	ID	OBP	KEY #	Position OBD	Immobil. Type
SUZUKI										
ALTO	1996		**SZ11RT4**		TEXAS	4C		4	C13	A
ALTO	1996		**SZ12T4**		TEXAS	4C		4	C13	A
BALENO	1996		**SZ11RT4**		TEXAS	4C		4	C13	A
BALENO	1996		**SZ12T4**		TEXAS	4C		4	C13	A
GRAND VITARA	1996	2002	**SZ11RT4**		TEXAS	4C		4	C13	A
GRAND VITARA	1996	2002	**SZ12T4**		TEXAS	4C		4	C13	A
GRAND VITARA	2002				PH / CR	46		4	C13	A
IGNIS	2000				TEX / CR	4D		4	C13	A
IGNIS [D]	2000				TEX / CR	4D		5	C13	B
JIMNY	1999	2002	**SZ11RT4**		TEXAS	4C		4	C13	A
JIMNY	2002				TEX / CR	4D		4	C13	A
LIANA	2001				TEX / CR	4D		4	C13	A
SWIFT	1996	2005	**SZ11RT4**		TEXAS	4C		4	C13	A
SWIFT	1996	2005	**SZ12T4**		TEXAS	4C		4	C13	A
SWIFT	2005				PH / CR	46		4	C13	C
SWIFT [D]	2005				PH / CR	46		4	C13	B
VITARA	1996	2002	**SZ11RT4**		TEXAS	4C		4	C13	A
VITARA	1996	2002	**SZ12T4**		TEXAS	4C		4	C13	A
VITARA	2002				PH / CR	46		4	C13	A
WAGON R	1998	2000	**SZ11RT4**		TEXAS	4C		4	C13	A
WAGON R	2000		**HU87RT17**		PH / CR	40		4	C13	A
WAGON R[D]	1998	2000	**SZ11RT4**		TEXAS	4C		5	C13	B
WAGON R[D]	2000		**HU87RT12**		PH / CR	40		5	C13	B

The functions on these vehicles are:

- Programme new keys (max 4 keys in the memory);
- Read IMMO ID;
- Read the errors present;
- Delete all errors.
- Read the number of keys memorized

To make use of this function, use:

	 SWITCH ADAPTER
 CABLE OBD II [STANDARD]	
 Immobilizer Type A – Type B New/s key/s (Max. 4)  Immobilizer Type C All keys (Max. 4)	

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

WHERE TO FIND THE PLUG DIAGNOSTICS

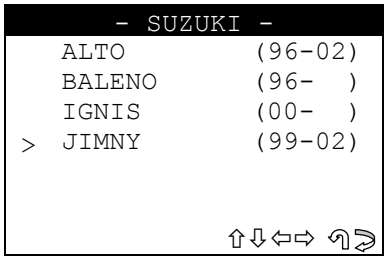
C13

GENERAL INFORMATION: Suzuki immobilizer systems have idle times of approximately 2 minutes between the programming operations or between one ignition and another. The SDD/SBB must therefore be disconnected for 2 minutes between one programming operation and another or between one ignition and another.

SELECTING THE CAR MAKE

In this case SDD/SBB is able to recognize automatically the various central units connected and therefore use the right communication procedure.
Simply identify:

- CAR MODEL
- YEAR OF MANUFACTURE



- Use the arrow keys⇧⇩ to select the make, then press **ENTER**.
- Press **ESC** to quit**.**

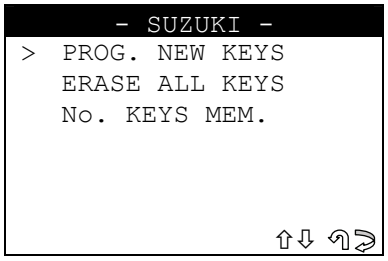
TYPE A IMMOBILIZER FUNCTIONS MENU (56)

This section is used to carry out the functions provided, in particular:

- programme new keys in the immobilizer also when all the original keys are missing;
- erase from the memory the code of one or more missing keys;
- check how many keys have been memorized;

ATTENTION: the programming system for TYPE A SUZUKI is structured so that keys can be added individually in the vehicle.

The SUZUKI® functions menu is structured as follows:



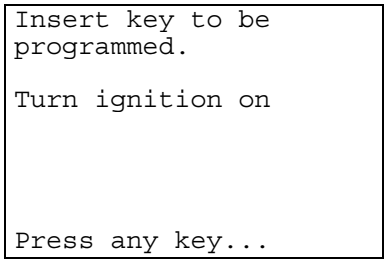
- Select and press **ENTER.**

1.1 PROGRAMMING KEYS A

This function is used to add keys to the immobilizer. The system can store up to a total of 4 keys; if 4 keys are already stored in the memory, new ones cannot be added.

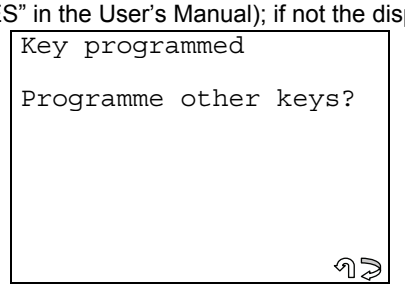
- To activate the function, select "**PROGRAMM.KEYS**" and press **ENTER**:

The display will show:



- Insert the new key to be programmed into the ignition unit
- Turn the key to ON
- Press any key to continue

If errors occur during communication, the display will show msg [ERROR 04 or ERROR 05] (see Ch. ERROR MESSAGES" in the User's Manual); if not the display will show:



The key has been programmed successfully.

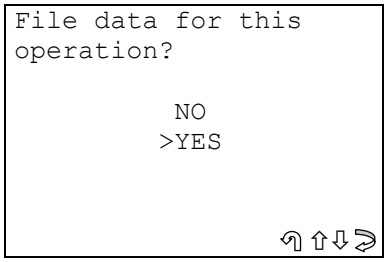
- Press **ENTER** to continue with programming another key (max. 4).
- Press **ESC** to quit.

KEY TESTING

ATTENTION: **to check whether the memorized keys work, do an ignition test on the vehicle; if the result is negative, repeat the operation.**

ARCHIVING OPERATIONS – USER DATA

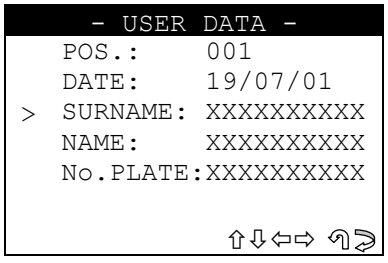
At the end of the programming the display will show:



- Select YES/NO and press **ENTER.**
- **No**, to return to the **IMMOBILIZER functions menu** screen.
- **Yes**, to memorize the data for the operation just completed.
- Select **ESC** to quit.

USER DATA ARCHIVE

To enter the user data the display will show:



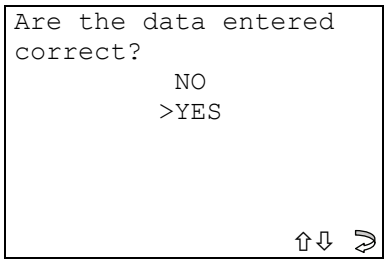
- SURNAME (required) (**12 characters**)
- NAME / NUMBER PLATE (Optional) (**12 characters**)

The following data will be saved automatically:

- **POS.**: Location where the data will be saved
- **DATE**: Date of the operation
- **MAKE**: Make of the vehicle for which the operation was performed
- **MODEL**: Model of the vehicle for which the operation was performed
- **YEAR:** of the model
- **Keys Mem**.: number of keys stored in memory
- **PIN CODE**: (if storage is confirmed by the operator)
- **IMMO ID**: Immobilizer ID, V.I.N., Mechanical code (on certain models only)

To enter data:

- Use the ⇧⇩ keys to position the pointer on the required item;
- Press ⇨ to enter and select the field in which to insert text;
- Press **ENTER** to confirm;
- Select **ESC** to quit and memorize the data.



- Select YES/NO and press **ENTER.**
- **No,** to return to the data entry window.
- **Yes**, to store the data in the file.

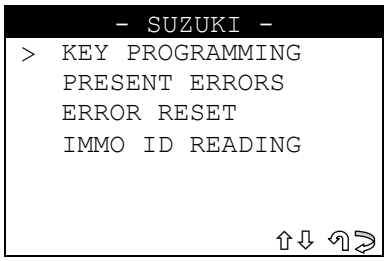
TYPE B IMMOBILIZER FUNCTIONS MENU (47)

This section is used to carry out the functions provided, in particular to:

- programme new keys in the immobilizer also when all the original keys are missing;
- erase from the memory the code for one or more missing keys;
- check how many keys are in the memory;
- view immobilizer identification (IMMO ID), V.I.N. and mechanical code (only on certain models);
- erase any anomalies found in the immobilizer memory.

ATTENTION: **the structure of the programming system for SUZUKI TYPE B® allows keys to be added individually in the vehicle.**

The structure of the SUZUKI TYPE B® functions menu is as follows:

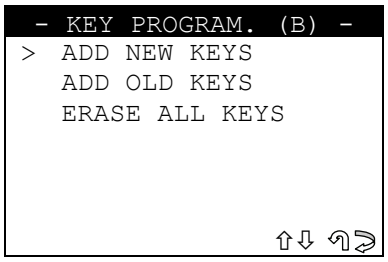


- Select and press **ENTER.**

1.2 PROGRAMMING KEYS B

This function is used to add keys to the immobilizer.
Is not possible to erase keys individually on the vehicle.

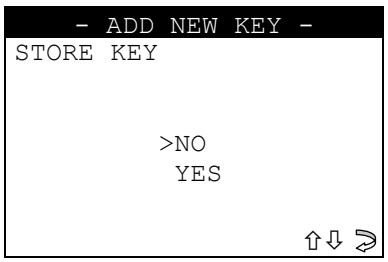
- To activate the function, select **"PROGRAMM.KEYS"** and press **ENTER**:



1.2.1 ADDING NEW KEYS

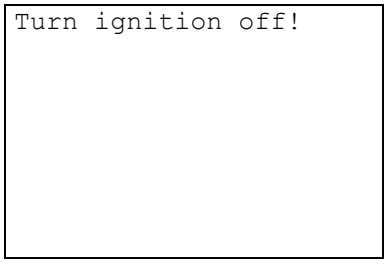
This function is used to add a **key that has never been programmed** in the immobilizer.

- Select **"ADD NEW KEYS"** and press **ENTER**; the display will show:



- Select YES/NO and press **ENTER.**
- **No**, to return to the previous menu;
- **Yes,** to programme the new key.

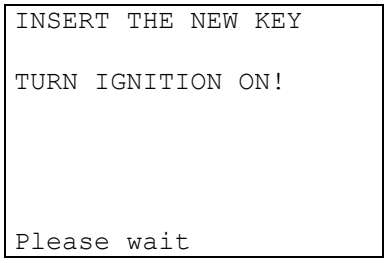
The display will show:



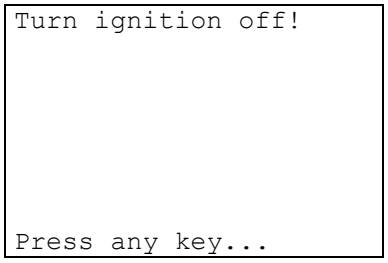
Turn the key to the **OFF position.**

PROGRAMMING THE KEY

The display will show:

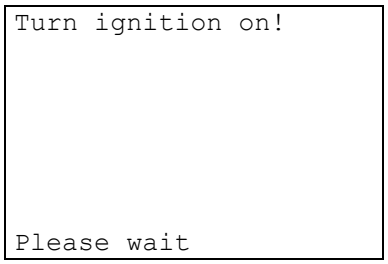


- Enter the **new key** to be programmed and turn it to the **ON position;** after a few seconds the display will show:



- Turn the NEW key to the **OFF position.**
- Press any key to continue.

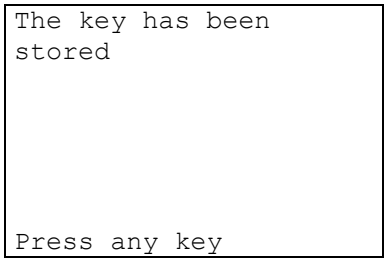
The display will show:



- Turn the NEW key to the **ON position.**

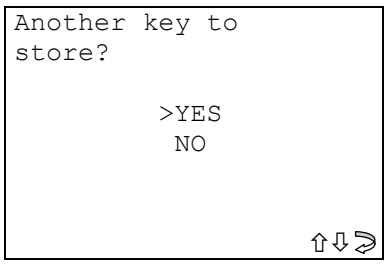
Programming of the key on the vehicle then starts.

- After a few seconds the display will show:



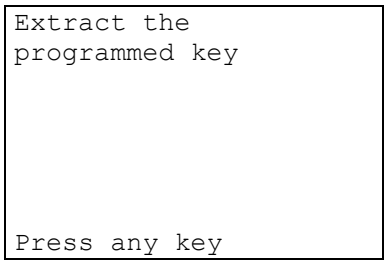
- Press a key

The display will show:



- Select YES/NO, then press **ENTER**.
- **No**, to store the user data in the archive.
- **Yes**, to programme a new key.

At the end of the operation the display will show:



- Press a key to store the user data in the archive.
-

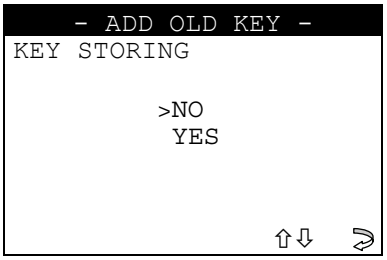
TESTING KEYS

ATTENTION: to check that the programmed keys work properly, carry out an ignition test on the car. If necessary repeat the operation.

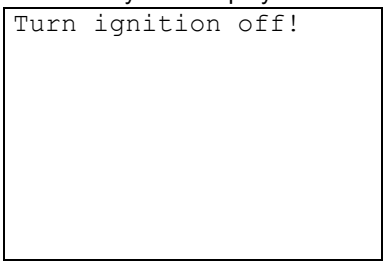
1.2.2 ADDING OLD KEYS

This function is used to add a **key that was previously erased** in the immobilizer.

- Select **"ADD OLD KEY"** and press **ENTER**; the display will show:



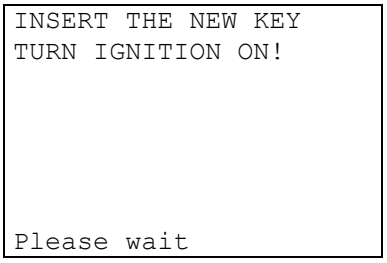
- Select YES/NO and press **ENTER**.
- **No**, to return to the previous menu;
- **Yes**, to programme the new key. The display will show:



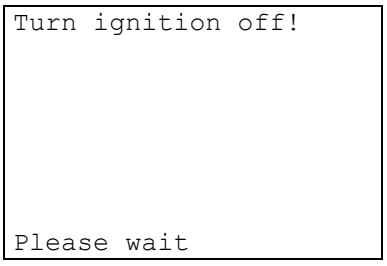
- Turn the key to the **OFF position**; the display will show:

PROGRAMMING A KEY

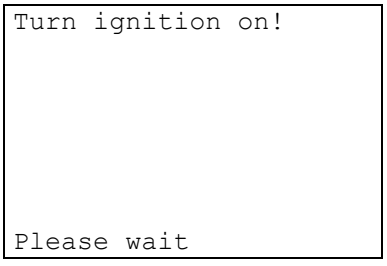
The display will show:



- Enter the "**OLD" key** to be programmed and turn to the **ON position;** the display will show:

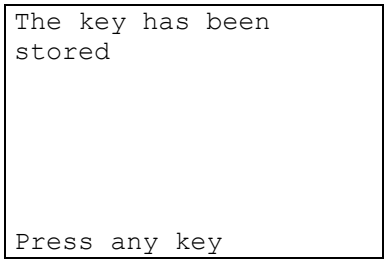


- Turn the "OLD" key to the **OFF position;** the display will show:



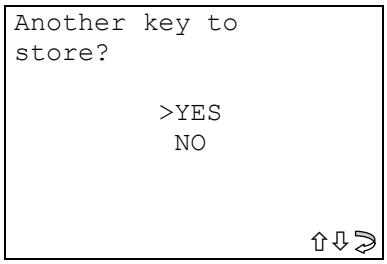
- Turn the **"OLD"** key to the **ON position.**

The key is then programmed in the vehicle.
After a few seconds the display will show:



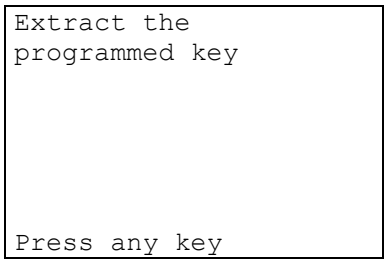
- Press a key.

The display will show:



- Select YES/NO, then press **ENTER.**
- **No,** to store the user data in the archive
- **Yes**, to store the "OLD" key in the memory again.

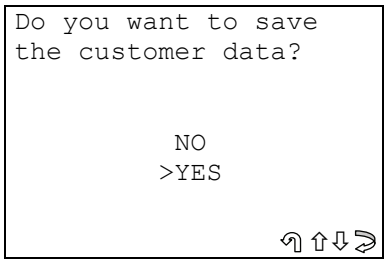
At the end of the operation the display will show:



- Press a key to store the user data in the archive.

ARCHIVING OPERATIONS - USER DATA

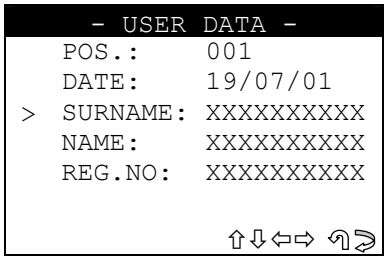
At the end of the memorizing operations the following message will appear:



- 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 the user data the display will show:



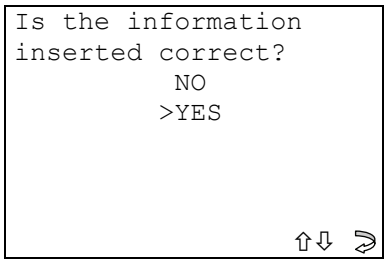
- SURNAME (required) (**12 characters**).
- NAME / NUMBER PLATE (optional) (**12 characters**).

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 Mem**.: Number of keys stored in memory
- **PIN CODE**: (if storage is confirmed by an operator)
- **IMMO ID**: Immobilizer control unit ID

To enter the data:

- Use the ⇧⇩ keys to position on the desired item.
- Press ⇨ to enter and select the field where the text is to be typed.
- Press **ENTER** to confirm.
- To quit and memorize the data, press **ESC.**



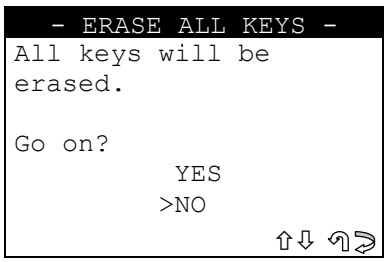
- Select YES/NO and press ENTER.
- No, to return to the data entry window.
- Yes, to store the data in the file.

1.2.3 ERASING ALL KEYS

This function is used to erase all the keys stored in the immobilizer memory; to continue enter the **PIN CODE.**

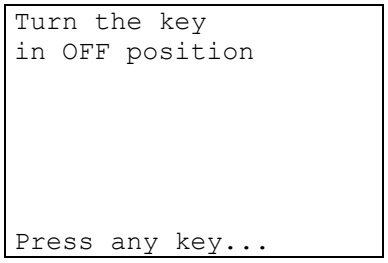
- "ERASE ALL KEYS" from the "**PROGRAMM. KEYS**" menu and press **ENTER**.

The display will show:



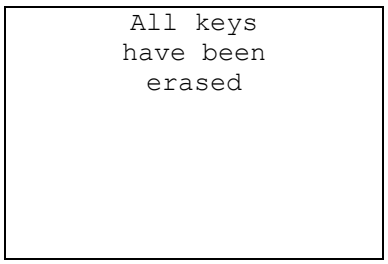
- Select and press **ENTER.**
- **No**, to return to the previous menu.
- **Yes**, to erase all the keys stored in the immobilizer memory.
- Select **ESC** to quit.

The display will show:



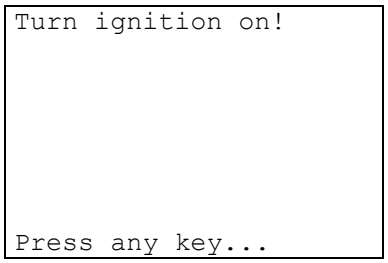
- Turn the key to the **OFF position** and press any key.

Deletion of all the keys then takes place.
After a few seconds (10"-40") the display will show:



- Deletion terminated.

After a few seconds the display will show:



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

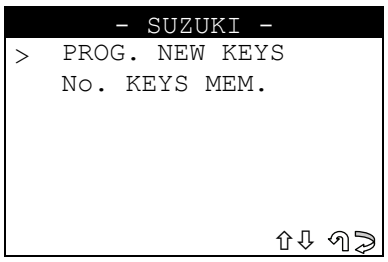
TYPE C IMMOBILIZER FUNCTIONS MENU (60)

In this section you can carry out the functions provided, particularly:

- programme new keys in the immobilizer even if all the original keys are missing;
- check how many keys are in the memory;

ATTENZIONE: **the programming system for SUZUKI® TYPE C, is structured so that keys CANNOT be added individually. At each programming session all the keys that are to be used on the vehicle must be re-programmed.**

The functions menu for SUZUKI® is structured as follows:



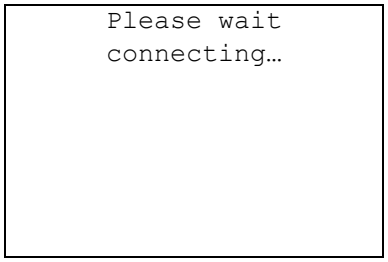
Select and press ENTER.

1.3 PROGRAMMING C KEYS

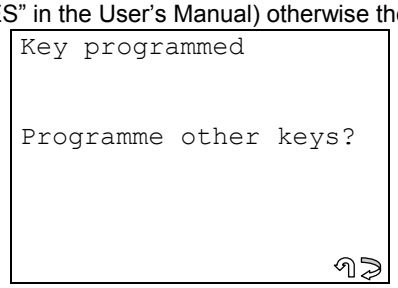
This function is used to add keys to the immobilizer. The system can memorize up to a total of 4 keys. If the system has already memorized 4 keys, new ones cannot be added.

- To activate the function, select "**PROGRAMME KEYS**" and press **ENTER**:

The display will show:



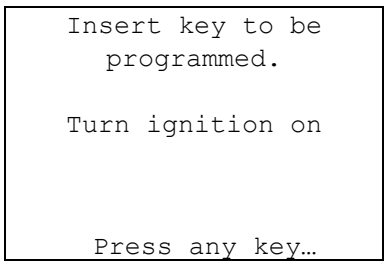
If errors occur during communication, the display will show msg [ERROR 04 or ERROR 05] (see Ch. ERROR MESSAGES" in the User's Manual) otherwise the display will show:



The key has been programmed successfully.

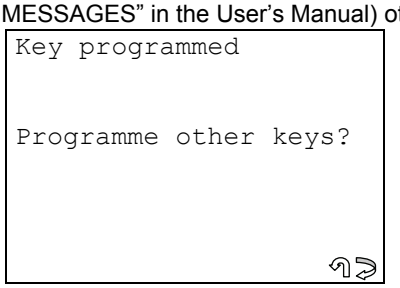
Press ENTER to programme another key (max. 4).

- Press **ESC** to quit.



- Insert a new key to be programmed.
- Turn the key to the ON position.
- Press any key.

If errors occur during communication, the display will show msg [ERROR 04 or ERROR 05] (see Ch. WARNING/ERROR MESSAGES" in the User's Manual) otherwise the display will show:



The key has been programmed successfully.

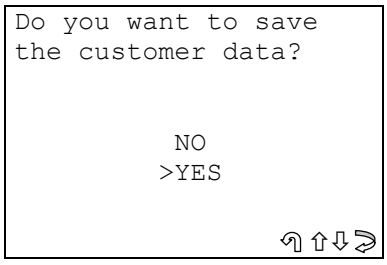
- Press **ENTER** to programme another key (max. 4).
- Press **ESC** to quit.

KEY TEST

ATTENTION: **to check that the memorized keys work properly, disconnect SDD/SBB and turn the ignition for the vehicle with all the programmed keys. Wait 30 seconds between keys and if one or more of the keys does not start the vehicle, repeat the operation for programming new keys.**

ARCHIVING OPERATIONS - USER DATA

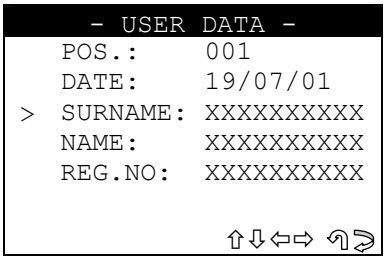
At the end of the memorizing operations the following message will appear:



- 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 the user data the display will show:



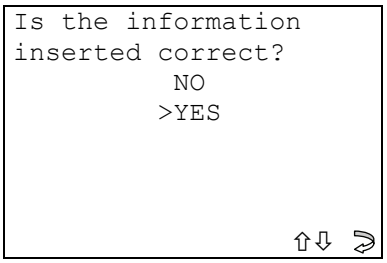
- SURNAME (required) (**12 characters**).
- NAME / NUMBER PLATE (optional) (**12 characters**).

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 Mem**.: Number of keys stored in memory
- **PIN CODE**: (if storage is confirmed by an operator)
- **IMMO ID**: Immobilizer control unit ID

To enter the data:

- Use the ⇧⇩ keys to position on the desired item.
- Press ⇨ to enter and select the field where the text is to be typed.
- Press **ENTER** to confirm.
- To quit and memorize the data, press **ESC.**

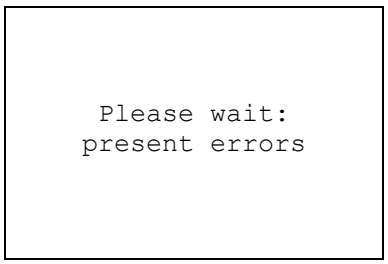


- Select YES/NO and press **ENTER**.
- **No**, to return to the data entry window.
- **Yes**, to store the data in the file.

1.4 READ ERRORS

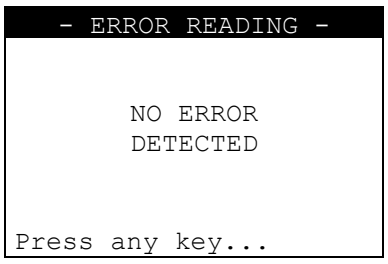
This function is used to check for any anomalies memorized in the immobilizer.

- Select the item **"READ ERRORS"** and press **ENTER;** the display will show:



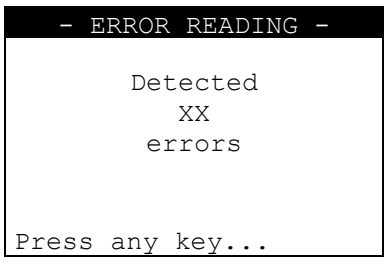
NO ERRORS

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



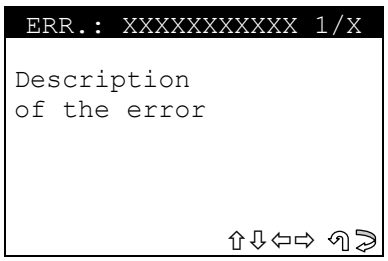
ERRORS FOUND

If there are anomalies in the memory, the display will show:



The display will show how many errors (XX) there are in the immobilizer memory:

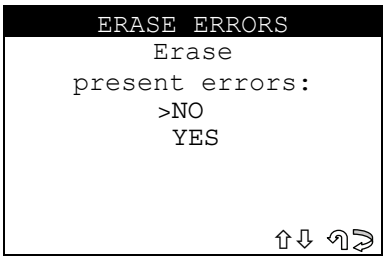
- Press any key to see:



- **ERR: XXXXXXXXXXX** code for error found,
- Press ⇧⇩⇦⇨ to scroll all the errors found in sequence.
- Press **ESC** to return to the previous menu.

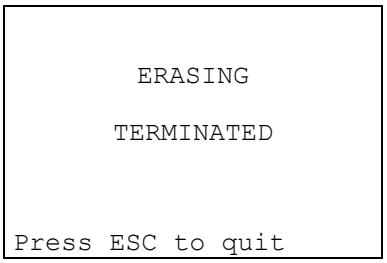
1.5 ERASE ERRORS

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



- Select and press **ENTER.**
- **No**, to return to the previous menu.
- **Yes**, to erase the errors in the memory.
- Select **ESC** to quit.

The display will show the message:

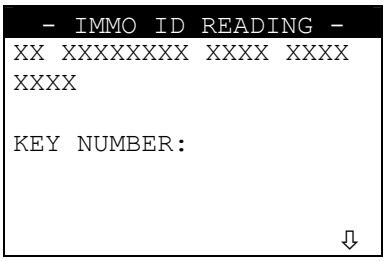


- Select **ESC** to return to the main menu.

1.6 IMMO ID READING

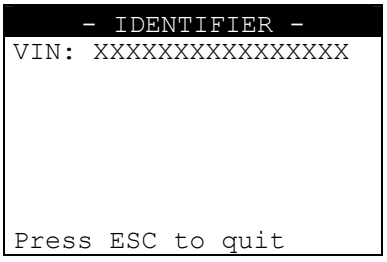
This function is used to view **immobilizer identification (ID IMMO**.), a code comprising alphanumerical characters.

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



The immobilizer identification (**IMMO ID)** is shown

- **KEY NUMBER**: mechanical key code (info. available only on certain models).
- Press ⇩ to continue**.**



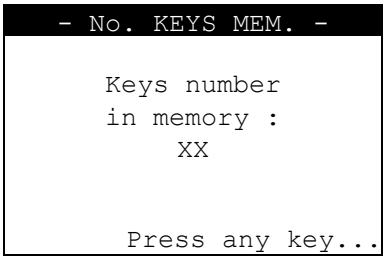
The following data are shown on this screen:

- **VIN:** Vehicle Identification Number.
- Press **ESC** to quit.

1.7 READING NUMBER OF MEMORIZED KEYS

This function is used to view the number of keys memorized in the vehicle.

- In the menu select the function “No. KEYS MEM” and press ENTER, the display will show:



Press any key.

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