

SDD
SilcaDiagnosticDevice

SBB

SW- MITSUBISHI[®] -L0 (SDD/SBB)

CODE: D431363XA - VERS. 3.0

GB

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SW- PRG. MITSUBISHI®-L0 (SDD/SBB)





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MITSUBISHI®



The functions on these vehicles are:

- Programme new keys (Max number of operational keys = 4);
- Reading of the number of keys memorized;
- Read the errors present;
- Delete all errors.

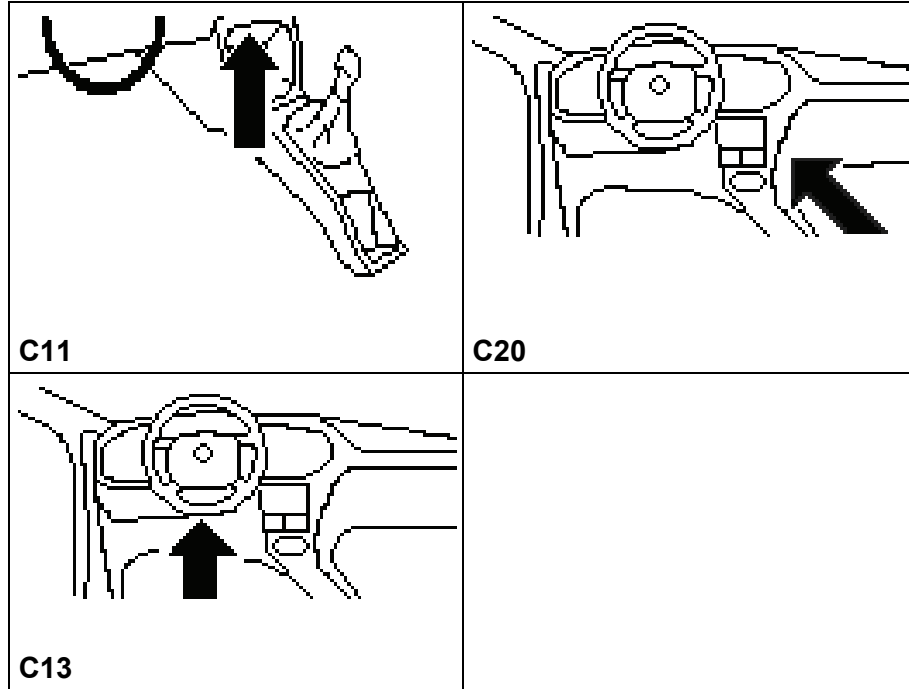
To make use of this function, use:

	 <p style="text-align: center;">SWITCH ADAPTER</p>
 <p style="text-align: center;">CABLE OBD II [00] (STANDARD)</p>	 <p style="text-align: center;">(OPTIONAL *) ADAPTER MITSUBISHI (08)</p>
<p style="text-align: center;">New and/or Old Keys All keys to be memorized (Max 8)</p>	<p style="text-align: center;">PIN CODE</p> <p style="text-align: center;">Proposed automatically by SDD according to the car model</p>

OPTIONAL * = Standard for SDD USA CAN BUS

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

WHERE TO FIND THE PLUG DIAGNOSTICS



2

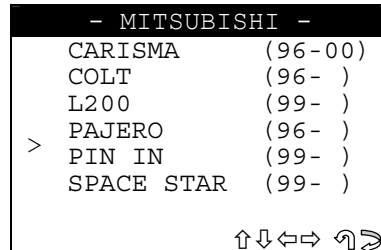
MITSUBISHI® - MITSUBISHI USA® - MITSUBISHI AUSTRALIA®

SELECTING THE CAR MAKE

In this case SDD/SBB is able to automatically recognize the various central units connected and therefore uses 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.

FUNCTION MENU

To use all the MITSUBISHI® functions it's necessary the MITSUBISHI® -08 adapter.

NOTE: during dialogue with the centralized unit (on certain models, e.g. L200), a relay commutates, continuously and noisily, causing the ABS warning light to flash. On other models (e.g. Pajero) the relay causes some of the warning lights on the dashboard to flash; however, such flashing is not to be considered irregular.

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

Entering the wrong PIN CODE 5 times consecutively or turning on the vehicle with a non-programmed key 3 times consecutively will cause the immobilizer centralized unit to sieze up.

2.1

RELEASE OF CENTRALIZED UNIT

To release the immobilizer centralized unit, proceed as follows:

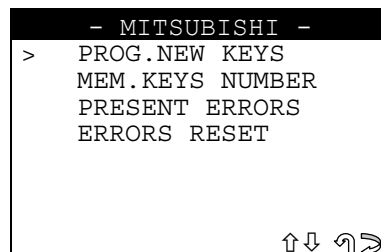
- Insert a key and turn to the (ON) position for 20 minutes;
- Turn the key to the (OFF) position for 30 seconds;
- Turn the key to the (ON) position again.

The centralized unit is then released.

The menu for MITSUBISHI® functions has the following structure:

- There is a key already in the ignition unit, turned to the (ON) position.

The display shows:



- Select and press **ENTER**.

2.2 PROGRAMMING NEW KEYS

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

To programme new keys the **PIN CODE** (number comprising 4 digits) must be known.

Normally MITSUBISHI® sets the same **PIN CODE** for all cars of the same model (e.g.: all SPACE GEAR cars use the PIN 4838).

On the basis of the model selected, the SDD/SBB will propose the standard PIN CODE.

ATTENTION: it is possible (for MITSUBISHI® AUTHORIZED DEALER) to change the standard PIN CODE with any new one. In this case the vehicle owner should communicate the new PIN to be used. If the owner forgets the PIN CODE the ECU centralized unit and immobilizer will need to be replaced.

The display will show:

```
- DATES INSERTION -  
  
PIN CODE           : XXXX  
  
↩➡
```

According to the selected car model, the SDD/SBB will propose the standard **PIN CODE**.

- Confirm or enter the new **PIN CODE** and press **ENTER**;
- Press **ENTER** to continue;
- Press **ESC** to quit.

Programming of the key in the car now starts.

If a wrong PIN has been entered, the display will show **error message** No. 4 (see chapter WARNING/ERROR MESSAGES). Check that the right model has been selected or that the user has not changed the PIN CODE.

If the PIN is correct the display will show:

```
The key have been  
stored  
  
Other key to  
stored?  
  
↩➡
```

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

```
Turn off the cocpit!  
  
INSERT THE (X)  
KEY TO PROGRAM  
  
Turn on the cocpit!  
  
Press any key...
```

Press a key to continue.

KEY TESTING

ATTENTION: to check operation of memorized keys, try starting the car (always wait 30-40 sec. between ignitions). If the car does not start, repeat the operation.

ARCHIVING OPERATIONS - USER DATA

To enter user data the display will show:

```
Do you want to save
the data?

NO
>YES

↑↓ ↶
```

- Select **YES/NO** and press **ENTER**;
- **No**, to return to the screen showing **IMMOBILIZER** functions menu;
- **Yes**, proceeds with memorizing the data for the operation just concluded;
- **ESC** to quit.

ARCHIVING OPERATIONS - USERS DATA

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 data will be saved;
- **DATE:** Date of the operation;
- **MAKE:** Vehicle make for which memorization has taken place;
- **MODEL:** Vehicle for which memorization has taken place;
- **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 **YES/NO** and press **ENTER**;
- **No**, to return to the data entry screen;
- **Yes**, to save the data entered in the archive;
- Select **ESC** to quit.

2.3 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.

2.4 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:

```
- PRESENT ERRORS -

NO ERROR
DETECTED

Press any key ...
```

- Press any key.

ERRORS FOUND

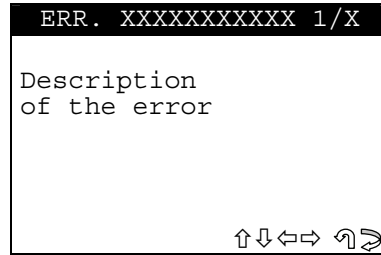
If there are anomalies in the memory the display will show how many (XX) errors there are in the centralized unit memory:

```
- PRESENT ERRORS -

Detected
  XX
errors

Press any key ...
```

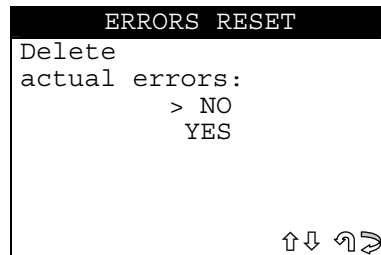
- Press any key to view a description of the error:



- **ERR: XXXXXXXXXXXX** error code;
- Press **↑↓↔** to scroll all the errors found in the memory;
- Press **ESC** to quit.

2.5 DELETING ERRORS

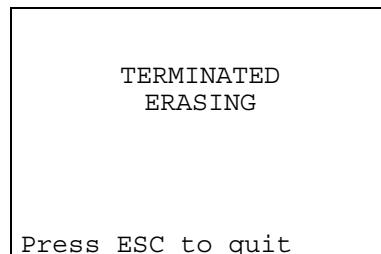
First select then press **ENTER**, the display will show:



Select **YES/NO** 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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