

SDD
SilcaDiagnosticDevice

SBB

**SW- SPECIAL FUNCTION FNT-04 - L0
(SDD/SBB)**

CODE: D431429XA - VERS. 2.0



INDEX

1	IMMOBILIZER FUNCTIONS MENU CHRYSLER® - DODGE® - JEEP®	
	CAN BUS (WITH SPECIAL FUNCTION FNT-04 ACTIVATED)	3
	IMMOBILIZER FUNCTIONS MENU	4
1.1	READ IMMO ID	4
1.2	READ ERRORS	5
1.3	DELETE ERRORS	5
1.4	PROGRAMME NEW KEYS.....	6
1.4.1	NUMBER OF KEYS MEMORIZED	6
1.4.2	ADD NEW KEY	7
1.4.3	ADD OLD KEY	9
1.4.4	PROGRAMME RKE	11
1.4.5	ERASE ALL KEYS.....	11

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

1

IMMOBILIZER FUNCTIONS MENU CHRYSLER® - DODGE® - JEEP® CAN BUS (WITH SPECIAL FUNCTION FNT-04 ACTIVATED)






Through the enabling of the special function FNT-04 (Bypass PIN CODE CHRYSLER) SDD/SBB will be able to Program/Erase keys and remote controls without the use of the PIN CODE and of the SECURITY CODE (see operating manual CHRYSLER CAN) for the following car models:



MODEL	FROM	TO	SILCAREF	ILCO REF	KEY #	CABLE	POSITION OBD
CHRYSLER							
300 [CAN]	2004		ORIGINAL	ORIGINAL	8	00	
DODGE							
DAKOTA [CAN]	2004	2005	ORIGINAL	ORIGINAL	8	00	
DURANGO [CAN]	2004		ORIGINAL	ORIGINAL	8	00	
MAGNUM [CAN]	2004		ORIGINAL	ORIGINAL	8	00	
JEEP							
G.CHEROKEE [CAN]	2005		ORIGINAL	ORIGINAL	8	00	

The functions on these vehicles are:

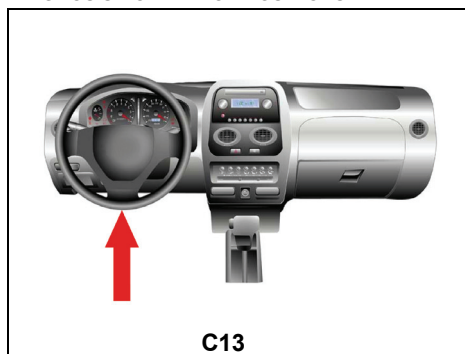
- addition of new keys (never programmed on the vehicle)
- addition of old keys (programmed and erased on the vehicle)
- erasure of all keys
- addition of remote controls
- reading of immobilizer ID code
- reading of errors
- deletion of errors

The following are needed to use this function:

	 <p>SWITCH ADAPTER CAN BUS <u>CODE D726833ZB</u></p>
 <p>OBD II [00] CABLE</p>	<p>PIN CODE</p>
 <p>Keys to program previously programmed and erased. To program an "old" key</p>	<p>SECURITY CODE</p>
 <p>Keys to program never programmed before. To program a "new" key</p>	<p>SECURITY CODE</p>

SBB	CABLE/ADAPTER
	 <p data-bbox="906 472 1278 499">CABLE OBD II [00] (STANDARD)</p>

DIAGNOSIS CONNECTOR POSITIONS



IMMOBILIZER FUNCTIONS MENU

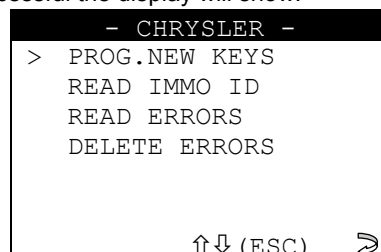
From the main menu select: IMMOBILIZER->(CHRYSLER-DODGE-JEEP)->MODEL.

The **CHRYSLER CAN** functions menu is structured as follows:

There is already a key inserted in the ignition block and turned to (**ON**).

If there have been errors during communication, the display will show an error message [**ERROR 1**] (see chapter "WARNING /ERROR MESSAGES" in the Operating Manual).

If communication is successful the display will show:



- Select and press **ENTER**.
- **ESC** to return to previous menu.

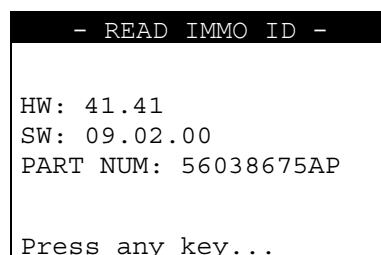
1.1

READ IMMO ID

This function is used to view the immobilizer ID (IMMO ID).

- To activate the function, select "**READ IMMO ID**" and press **ENTER**.

The display will show:



Press any key to return to previous menu.

1.2

READ ERRORS

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

- To activate the function, select “**READ ERRORS**” and press **ENTER**.

The display will show:

NO ERRORS FOUND

If there are no anomalies memorized, after a few seconds the display will show:

```
NO ERROR
DETECTED

Press any key...
```

Press any key to return to the previous menu.

ERRORS FOUND

If there are anomalies memorized, the display will show the number of errors (XX) memorized in the central control unit:

```
Detected
  XX
errors

Press any key...
```

Press any key to see a description of the error:

```
ERR. XXXXXXXXXXXX 1/X

Description
of the error

↑↓↔(ESC)
```

- **ERR: XXXXXXXXXXXX** error code.
- Press ↔ to scroll all the errors found.
- Select **ESC** to quit.

1.3

DELETE ERRORS

This function is used to **DELETE** any anomalies memorized in the immobilizer.

- To activate the function, select “**DELETE ERRORS**” and press **ENTER**.

The display will show:

```
Erase
actual errors:
> NO
  YES

↑↓↔ (ESC)
```

Select and press **ENTER**.

- **No**, to return to previous menu.
- **Yes**, to delete the memorized errors.
- **ESC** to quit.

The display will show:

```
TERMINATED
ERASING

Press ESC to quit
```

- Select **ESC** to quit.

1.4 PROGRAMME NEW KEYS

This function is used to add / erase keys and remote controls.

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

The display will show:

```
- PROG.NEW KEYS -
> MEM. KEYS NUMBER
  NEW KEY ADDING
  OLD KEY ADDING
  PROGRAMME RKE
  ERASE ALL KEYS

↑↓ (ESC) ➤
```

- Select and press **ENTER**.
- **ESC** to return to the previous menu.

1.4.1 NUMBER OF KEYS MEMORIZED

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

- To activate the function, select "**No. KEYS IN MEM.**" and press **ENTER**.

The display will show:

```
Keys number in
memory:
  XX

Press any key...
```

- Press any key to return to previous menu.

1.4.2

ADD NEW KEY

This function is used to add to a vehicle keys that have never been programmed on that vehicle.

- To activate the function, select “**ADD NEW KEY**” and press **ENTER**.

The display will show:

```
- DATES INSERTION -  
KEYS NUMBER      : X  
  
↶
```

- Enter the **NUMBER OF KEYS** to be programmed and press **ENTER**;
- Select **ESC** to quit;
- Press **ENTER** to continue.

Programming of the keys in the vehicle starts now.

```
Turn ignition OFF!  
  
Insert the key X  
to be programmed  
  
Turn ignition ON!  
  
Press any key...
```

- Turn the key to the (**OFF**) position;
- Insert the key to be programmed and turn to the (**ON**) position;
- Press any key to continue.

The display will show:

```
Please wait  
connecting...
```

If the key has been properly programmed, the system returns to the beginning of the programming cycle for the next key.

When the last key in the series has been programmed, the system returns to the user data archive.

Press any key to continue.

KEY TEST

ATTENTION: To check that the memorized keys and remote controls work, test opening and closing the vehicle doors with all the remote controls and test ignition with all the memorized keys (wait 30-40 sec. between each ignition test). Repeat the operation for any keys/remote controls that fail the test.

ARCHIVING OPERATIONS - USER DATA

At the end of the programming operation the display will show:

```
Do you want to save
customer data?

      NO
    >YES

      ↑↓ ↻
```

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

USER DATA ARCHIVE

To enter user data the display will show:

```
- DATES INSERTION -
POS.: 001
DATE: 19/07/01
> SURNAME: XXXXXXXXXXXX
NAME: XXXXXXXXXXXX
REG.MO:
XXXXXXXXXX

      ↑↓⇒ ↻
```

- 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.
- Select **ESC** to quit and save the customer data.

```
Is the information
inserted correct?

      NO
    >YES

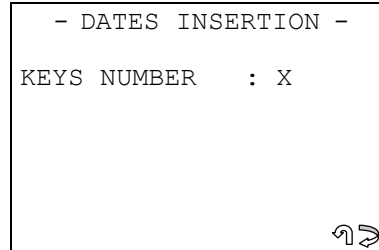
      ↑↓ ↻
```

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

1.4.3 ADD OLD KEY

This function is used to add keys that have already been programmed in the immobilizer but have been erased.

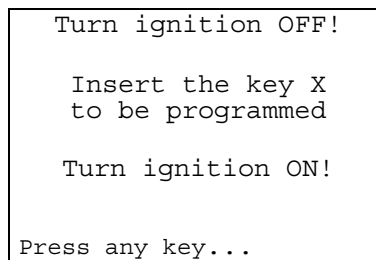
- To activate the function, select “**ADD OLD KEY**” and press **ENTER**.
- The display will show:



- Enter the **NUMBER OF KEYS** to be programmed and press **ENTER**;
- Select **ESC** to quit;
- Press **ENTER** to continue.

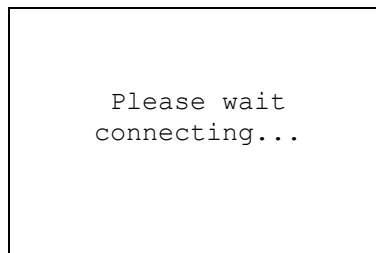
Programming of the keys in the vehicle starts now.

The display will show:



- Turn the key to the **(OFF)** position;
- Insert the key to be programmed and turn to the **(ON)** position;
- Press any key to continue.

The display will show:



If the key has been properly programmed, the system returns to the beginning of the programming cycle for the next key.

When the last key in the series has been programmed, the system returns to the user data archive.

Press any key to continue.

KEY TEST

ATTENTION: To check that the memorized keys and remote controls work, test opening and closing the vehicle doors with all the remote controls and test ignition with all the memorized keys (wait 30-40 sec. between each ignition test). Repeat the operation for any keys/remote controls that fail the test.

ARCHIVING OPERATIONS - USER DATA

At the end of the programming operation the display will show:

```
Do you want to save
customer data?

      NO
    >YES

      ↑↓ ↻⇒
```

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

      ↑↓⇒ ↻⇒
```

- **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.
- Select **ESC** to quit and save the customer data.

```
Is the information
inserted correct?

      NO
    >YES

      ↑↓ ↻⇒
```

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

1.4.4 PROGRAMME RKE

This function is used to add remote controls.

- To activate the function, select "**PROGRAMME RKE**" and press **ENTER**.

The display will show:

Press LOCK and UNLOCK
for 5 sec.
When the buzzer sounds
RKE has been programm.
and the next one can be
programmed,
Press any key...

- Use the remote control to be programmed and press the **LOCK** and **UNLOCK** buttons simultaneously, holding them down for at least 5 seconds.
- A buzzer will indicate that the remote control has been programmed and another one can be used for programming.
- Press any key to continue.
- The whole operation will end automatically within 60 seconds.

REMOTE CONTROLS TEST

ATTENTION: To check that the memorized keys and remote controls work, test opening and closing the vehicle doors with all the remote controls and test ignition with all the memorized keys (wait 30-40 sec. between each ignition test). Repeat the operation for any keys/remote controls that fail the test.

1.4.5 ERASE ALL KEYS

This function is used to erase all the keys memorized in the immobilizer.

- To activate the function, select "**ERASE ALL KEYS**" and press **ENTER**.

The display will show:

Please wait
connecting...

- Wait a few second.

All keys
has been erased

- Go to user data archive.

ARCHIVING OPERATIONS - USER DATA

At the end of the programming operation the display will show:

```
Do you want to save
customer data?

      NO
    >YES

      ↑↓ ↻⇒
```

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

      ↑↓⇒ ↻⇒
```

- **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.
- Select **ESC** to quit and save the customer data.

```
Is the information
inserted correct?

      NO
    >YES

      ↑↓ ↻⇒
```

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



SILCA S.p.A.
Via Podgora, 20 (Z.I.)
31029 VITTORIO VENETO (TV)
Tel. 0438 9136 Fax 0438 913800
www.silca.it

In the United Kingdom
SILCA Ltd.
Kimpton Road - Sutton
SURREY SM3 9QP
Tel. 0208 6416515
Fax 0208 6441181
E-mail: sales@silcald.co.uk

In Germany
SILCA GmbH
Siemensstrasse, 33
42551 VELBERT
Tel. 02051 2710
Fax 02051 271172
E-mail: info@silca.de

In France
SILCA S.A.
78440 PORCHEVILLE
Tel. 01 30983500
Fax 01 30983501
E-mail: info@silca.fr

In Spain
SILCA KEY SYSTEMS S.A.
C/Santander 73A
BARCELONA - SPAIN
Tel. 0034 934981400
Fax 0034 932788004
E-mail: silca@silca.es

Members of the Kaba Group

