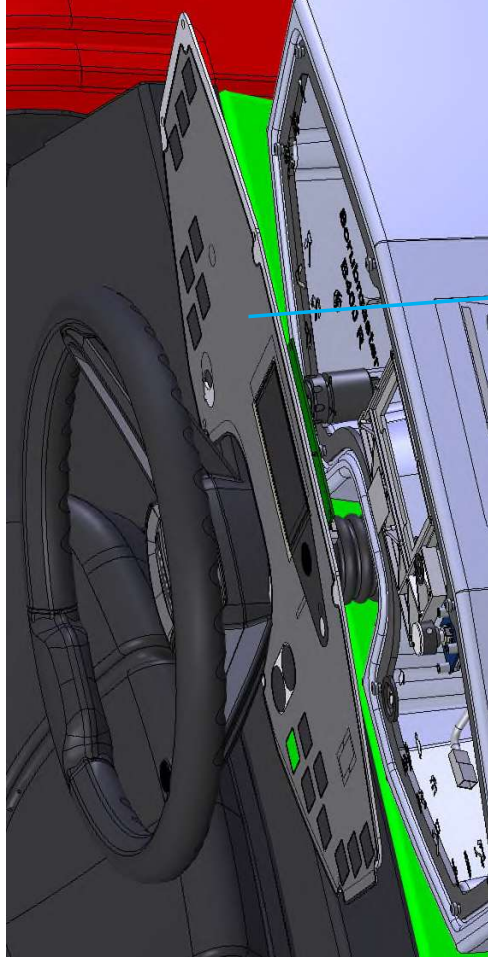


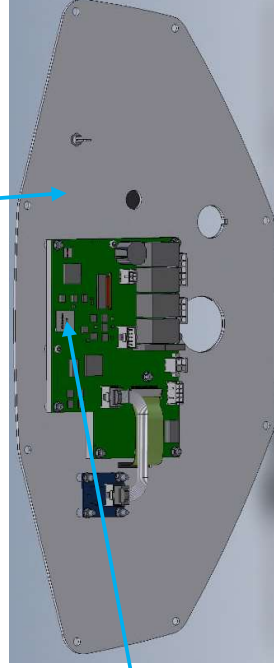
11.1.2 Software-Update

B175R
B260R
B400R/RM/RH

1) Flash SD-Card



The SD cardslot is on the rear side of the display board A2. For flashing, the SD card has to be extracted from the slot. To do this dismount the dashboard (8 screws). Then you could take out the card.



SD card slot

Rear side of dash board

SD-Card into computer SD-Slot

Only one SD drive may be connected, otherwise an error message will appear.

The Hako Diagnosis must be connected to an interface. A connection to the machine is not necessary.

*Depending on whether not connected or connected follow the steps
Interface is not connected to the machine or
Interface is connected to machine*

SCM B175R/B260R/B400R



HakoDiagnose - Startseite Diagnose
http://2.0.21.05-2105:63744254-3-21-1
Startseite ? Beenden [DE]

HakoDiagnose - Startseite Diagnose

CM 2000 Euro 3

CM 2000 Euro 4

CM 2000 Euro 5

CM 600 / CM 650

CM 1600 / CM 1650

CM 2200

Scrubmaster B90 CL

Scrubmaster B75 R / B115 R

CAN Flasher B75 R / B120 R

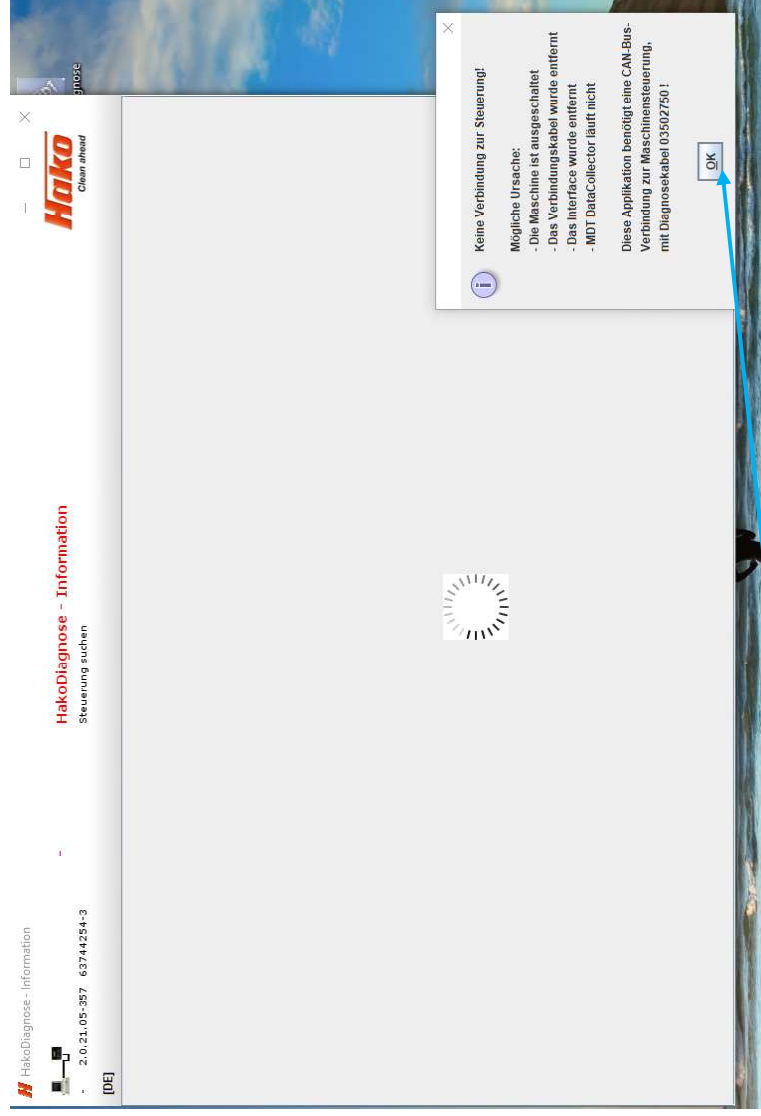
CAN Flasher B175 R / B260 R / B400 R

Sweepmaster 1500 RH

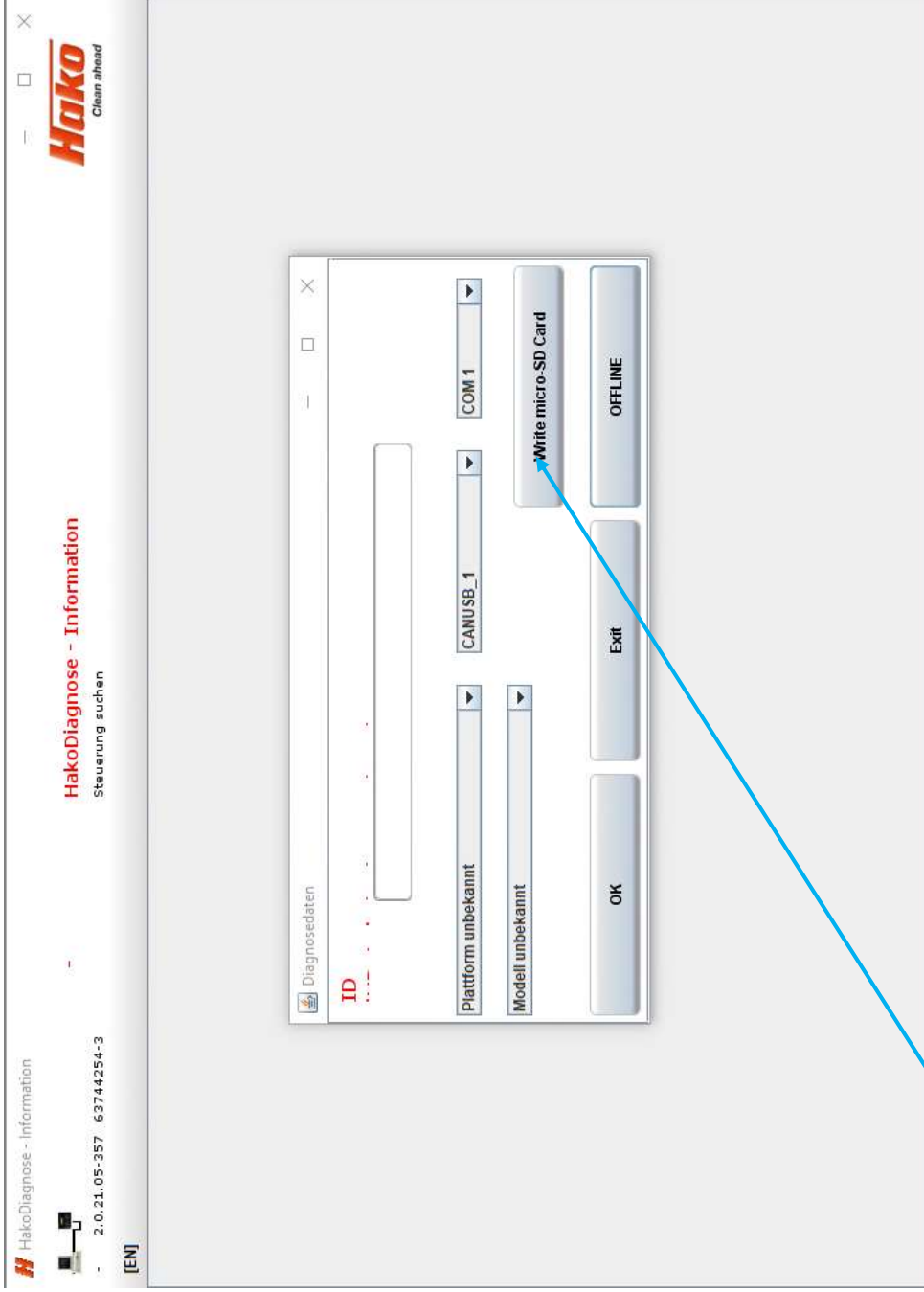
CM 650 Hydrostat-SG

Choose "CAN Flasher B175R / B260R / B400R" program in Hako Diagnosis.

a) Interface is not connected to machine

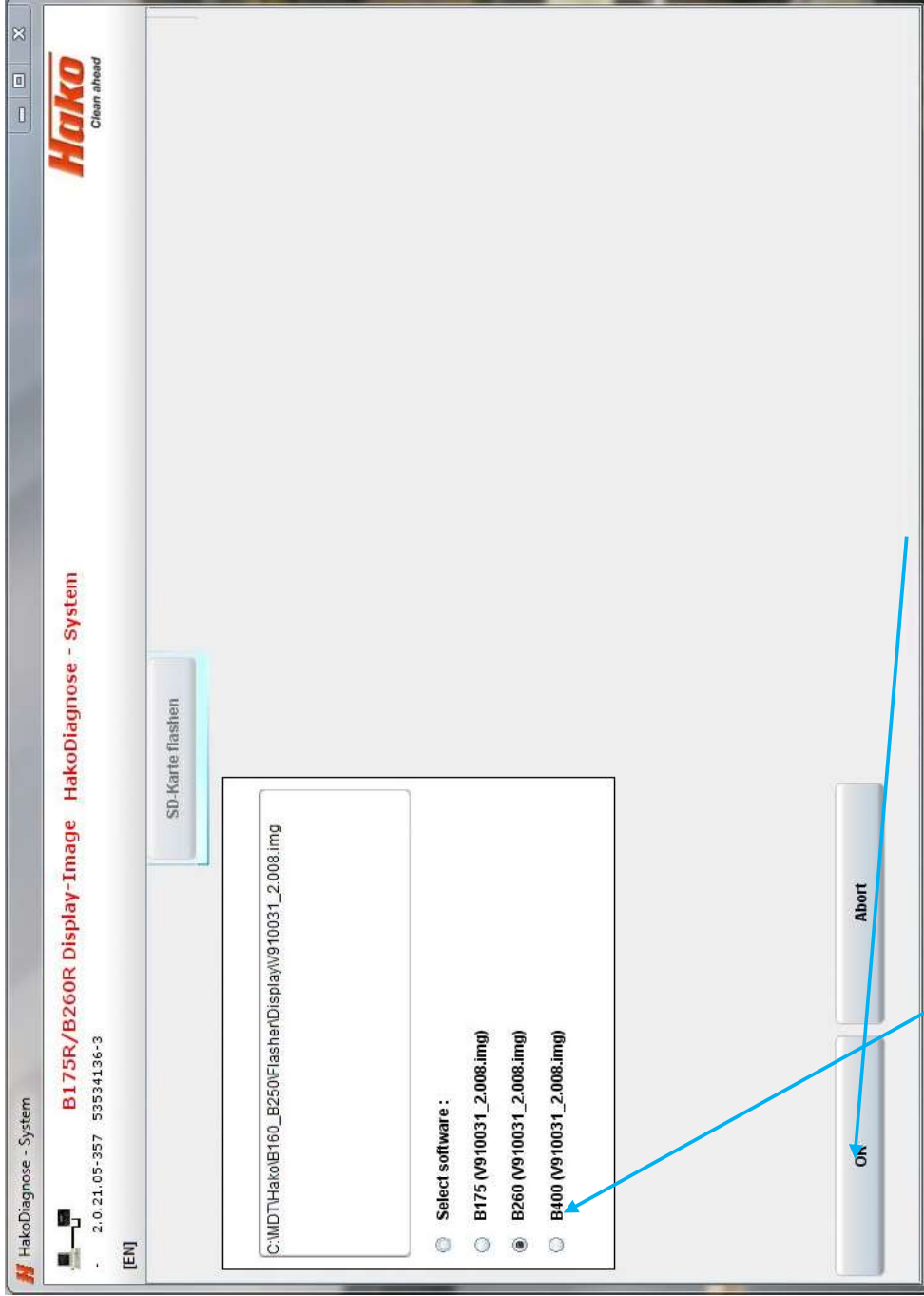


By choosing "OK" the search process is canceled.



Choose "Write micro SD Card" program.

SCM B175R/B260R/B400R



Choose corresponding machine and start flashing with "OK".

** The software versions shown here may differ, as the document is only a snapshot*

b) Interface is connected to machine (sample B260R, equal for all types)

The screenshot shows the HakoDiagnose - Information software interface. The title bar includes the Hako logo and the text 'Clean ahead'. The main window is titled 'HakoDiagnose - Information' and contains a menu bar with 'Information', 'System', '?', 'Exit', and '[EN]'. Below the menu bar are four buttons: 'Overview', 'Operating hours', 'Event memory', and 'Documents'. The 'Overview' button is highlighted with a blue arrow. The main content area is divided into two sections: 'Machine data' and 'Settings and options'.

Machine data

Hako model:	Scrubmaster B260R
Hako serial number:	71820000361
Software version:	7182.00.001.007
Hardware version:	97155519
Display Version:	V910028_2.004
Machine Type:	B260 R
Brush deck:	Walzenbürste 1080mm
LDS type (Battery type):	PzS oder PzB
Battery charger (Battery type):	kein Onboard-Ladegerät
Charging characteristics:	--
Travel drive:	XAC (Front+Heck)
External Memory	SD-Card
Last error:	3412
Date, Time	12-07-21, 13:38:16
Service/Wecker:	
Abgelaufen in 250 Stunden oder 365 Tagen	

Settings and options

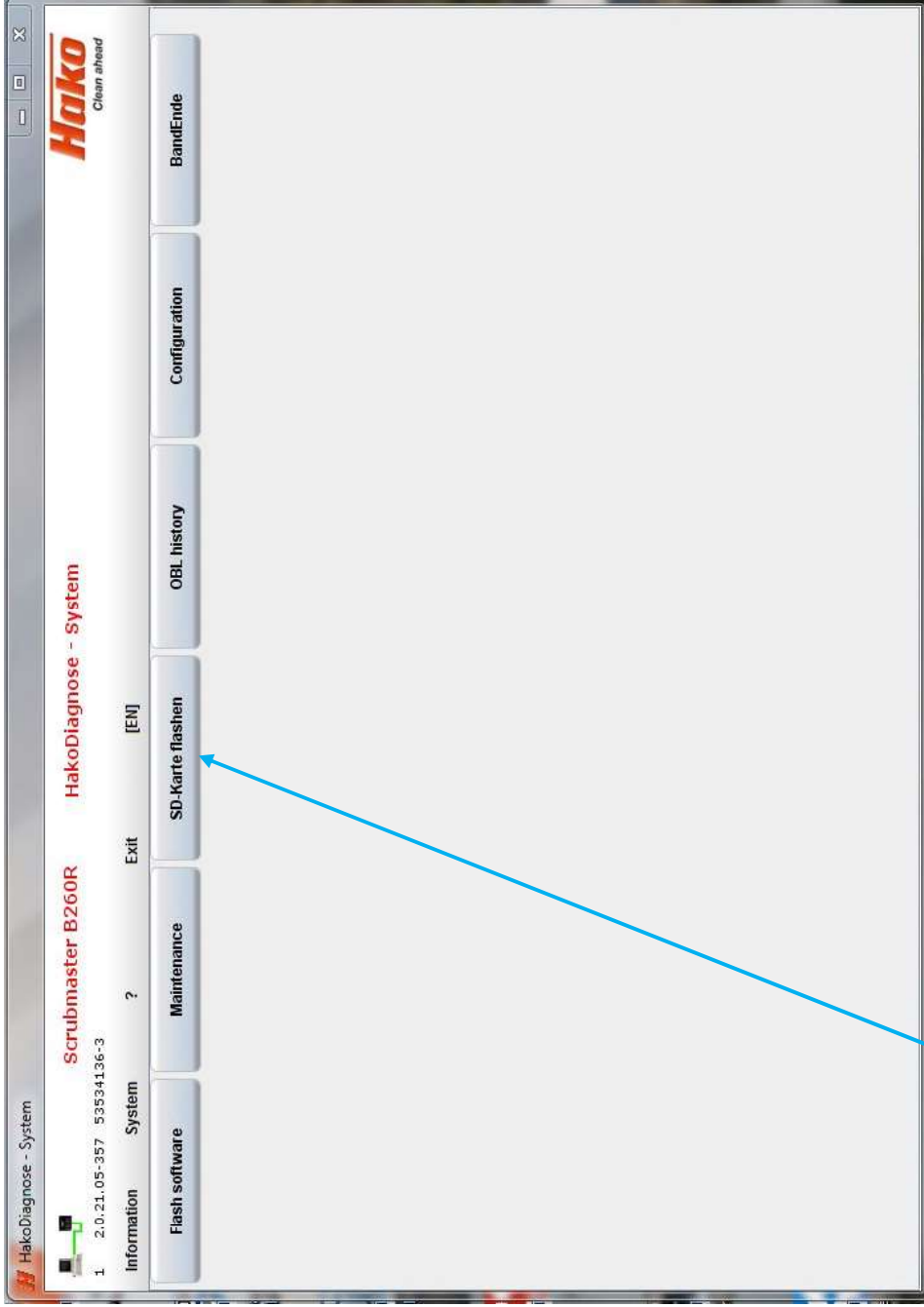
Data	Contents
SOW, 3.2.	U
SOW, 3.3.	0
SOW, 3.4.	0
SOW, 3.5.	1
SOW, 3.6.	1
SOW, 3.7.	0
SOW, 3.8.	1
SOW, 3.9.	0
SOW, 3.A.	0
SOW, 3.B.	0
SOW, 3.C.	0
SOW, 3.D.	0
SOW, 3.E.	0
SOW, 3.F.	0
Param. 4.0.	3
Param. 4.1.	0
Param. 4.2.	1
Param. 4.3.	3
Param. 4.4.	1
Param. 4.5.	0
Param. 4.6.	3
Param. 4.7.	0
Param. 4.8.	0

At the bottom right of the 'Settings and options' section, there is a 'Backup Batterie' button with a green battery icon.

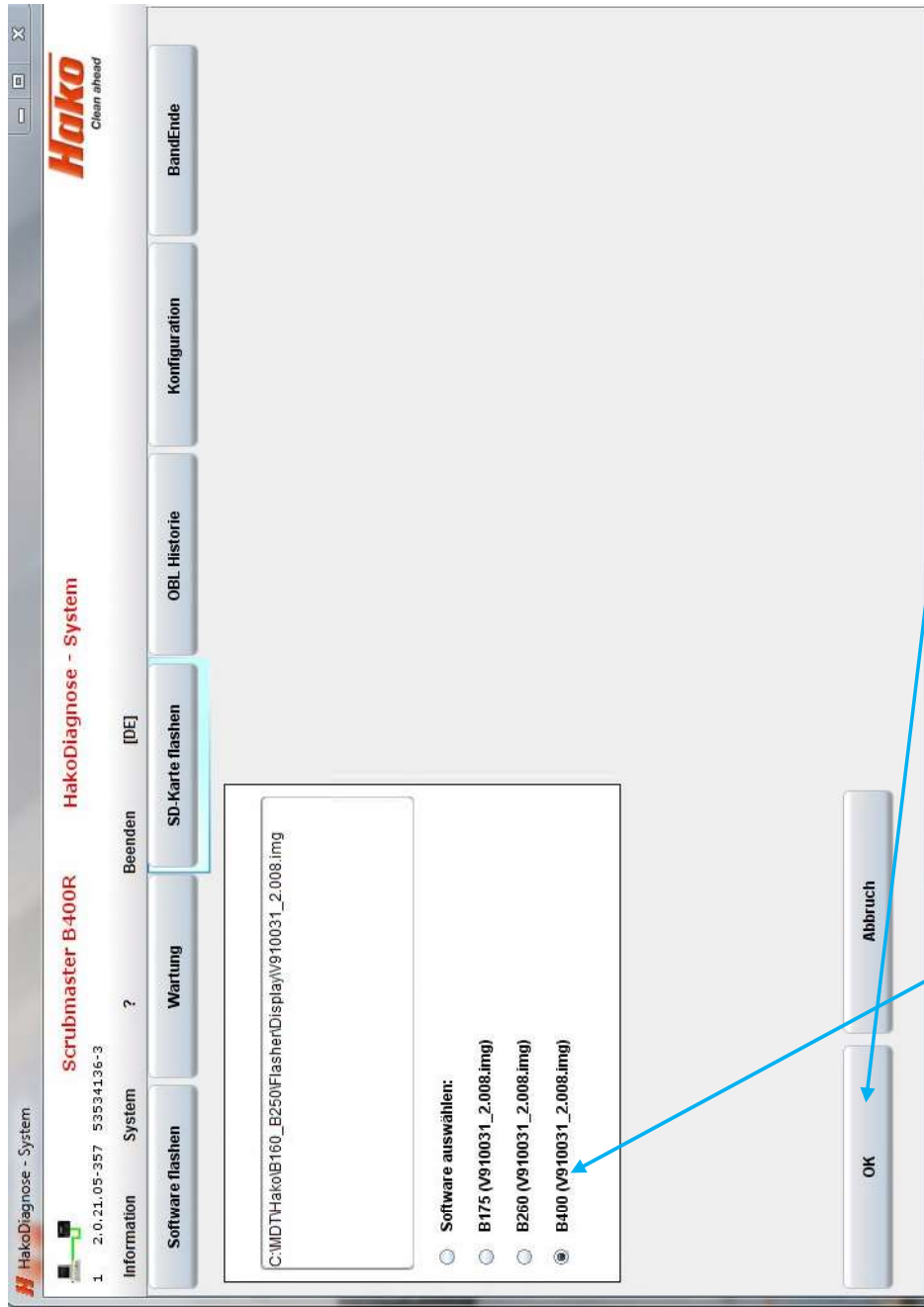
Choose menu "System"

* The software versions shown here may differ, as the document is only a snapshot

SCM B175R/B260R/B400R



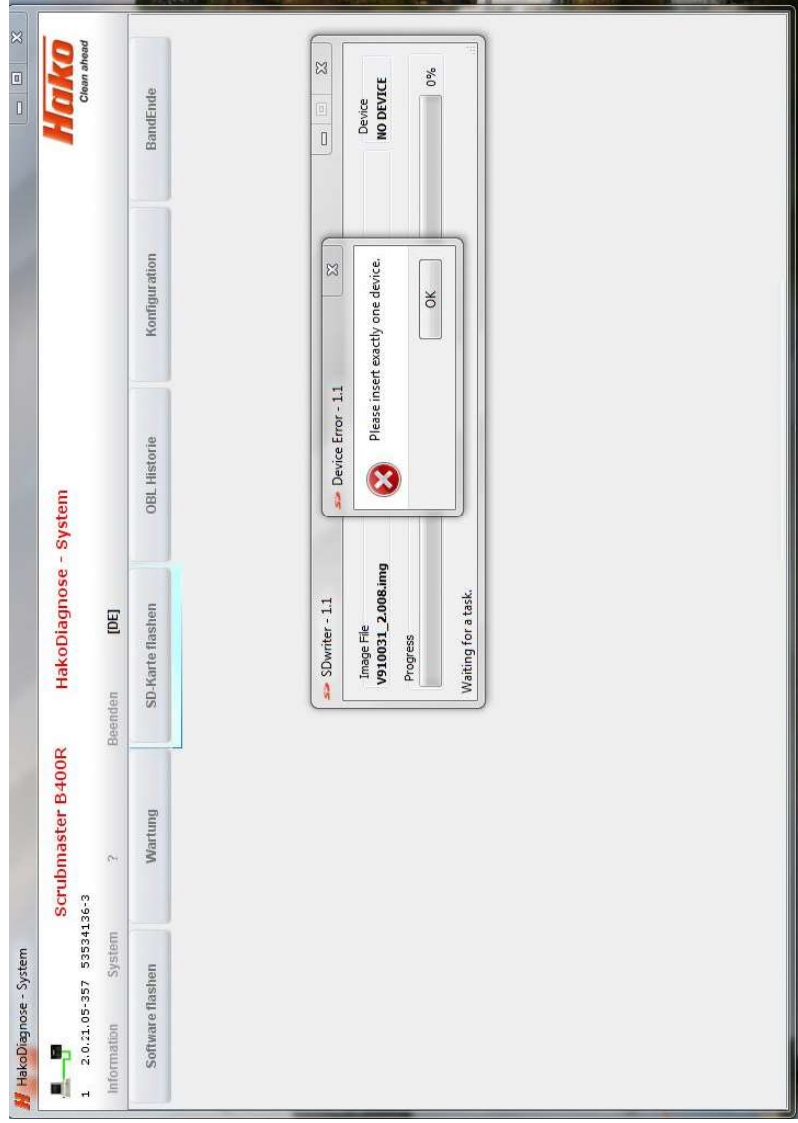
Choose the program "SD-Karte flashen" .



Choose corresponding machine and start flashing with "OK".

* The software versions shown here may differ, as the document is only a snapshot

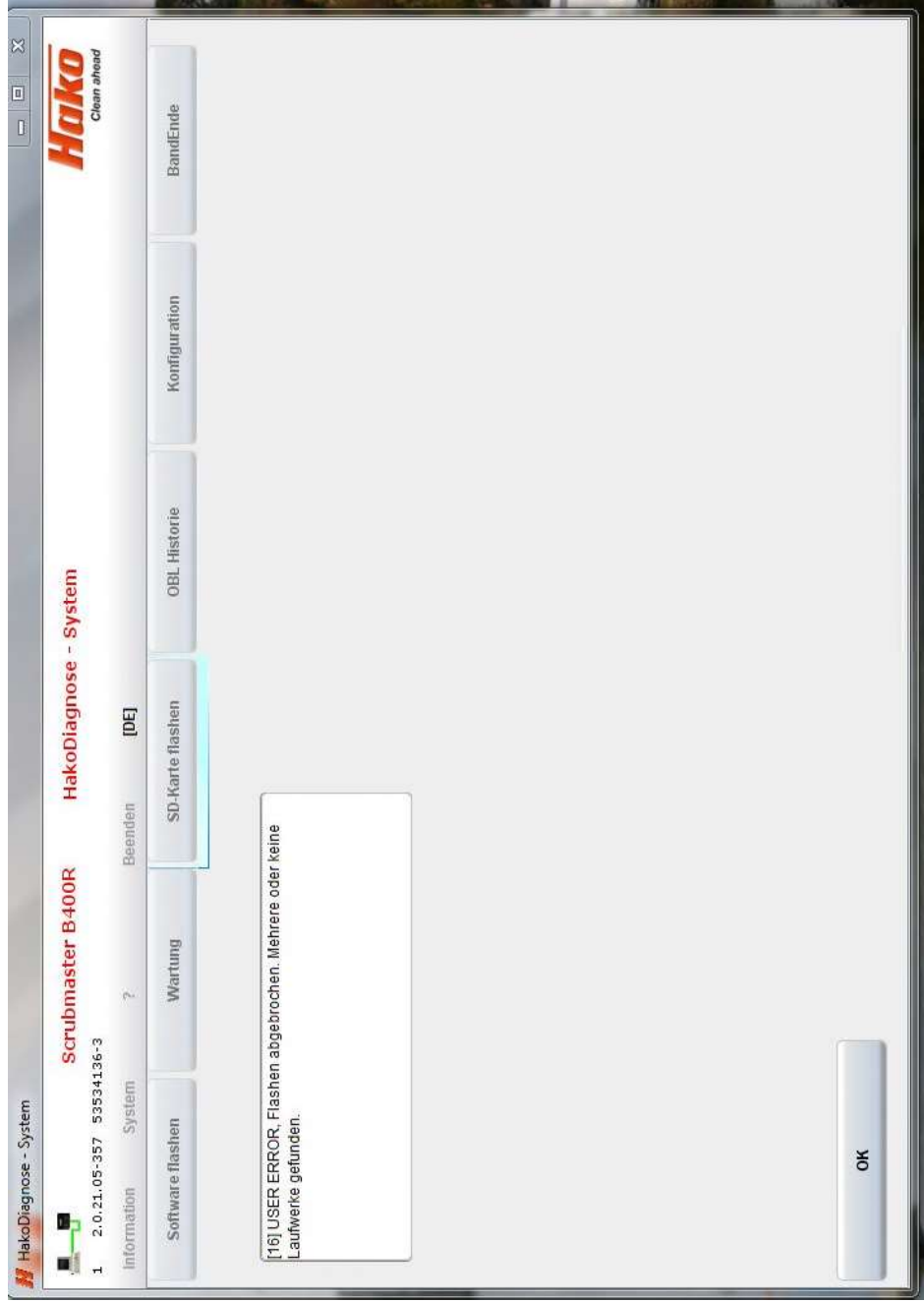
Possible error message with both variants



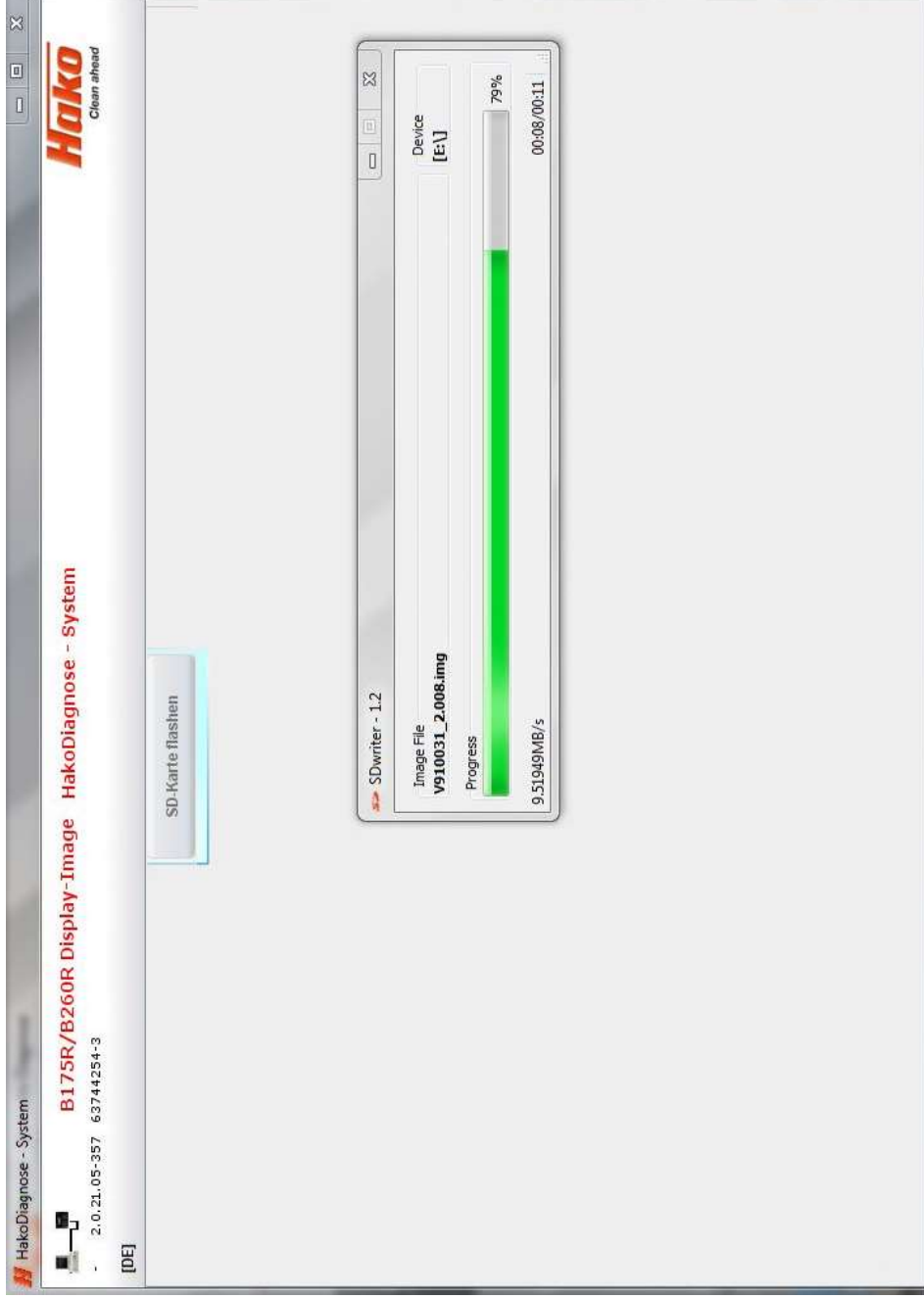
Message if there are problems with the SD card or the drive. The following errors are possible:

- SD card is defective
- SD drive is defective
- More than 1 SD drive is recognized
- Drive does not meet the specifications of the SD-Writer

SCM B175R/B260R/B400R

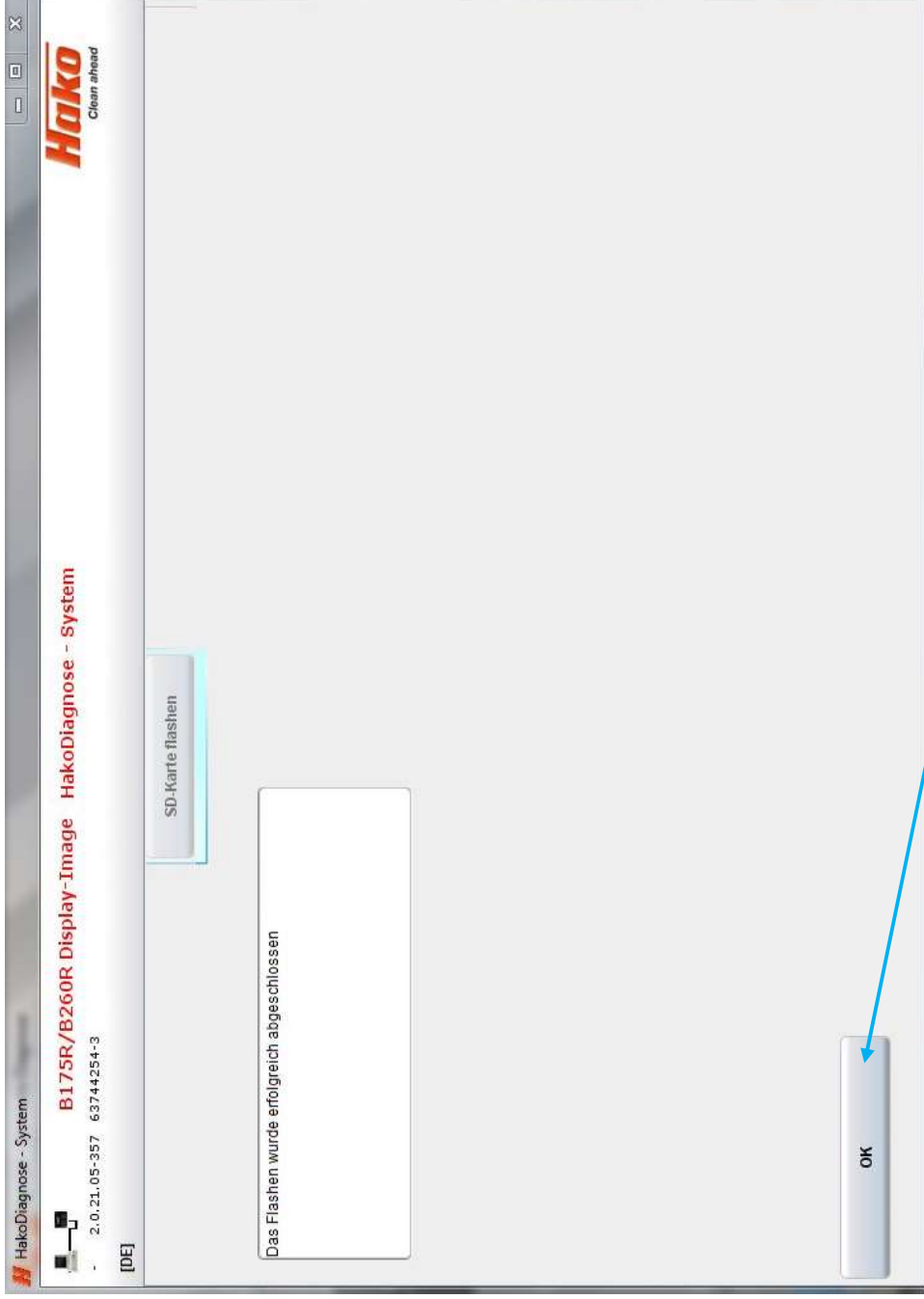


Display if the message "Please insert exactly one device" was confirmed with OK.



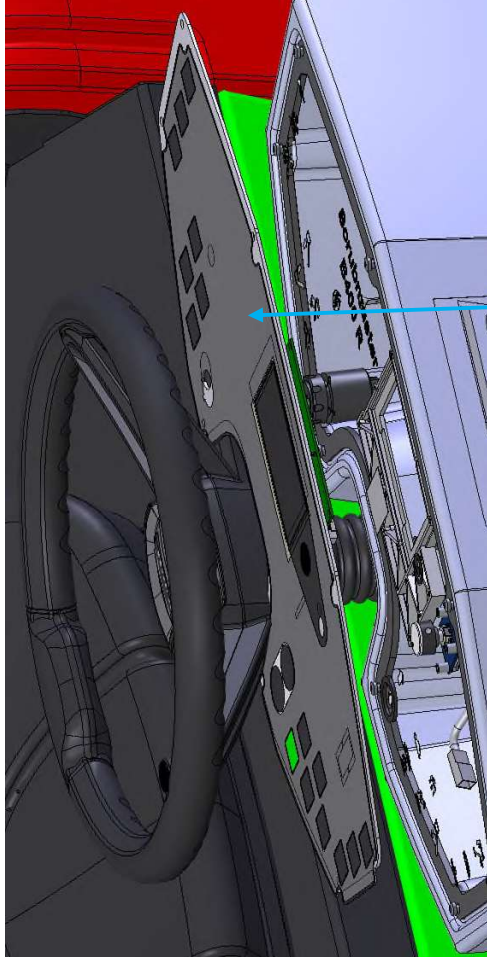
Display when the flash process has started normally

SCM B175R/B260R/B400R

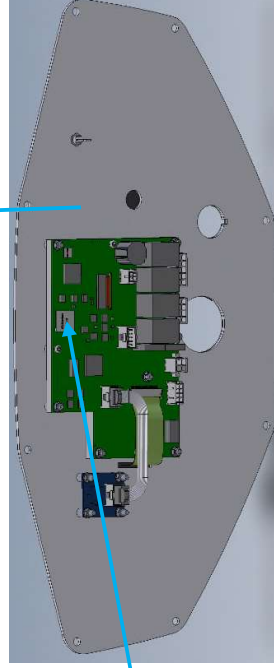


Flash process is successfully finished. Confirm with "OK"

SD card back into SD-Slot of display



After the flash process is done, put the SD card back (from the computer to the display).



SD card slot

Rear side of dashboard

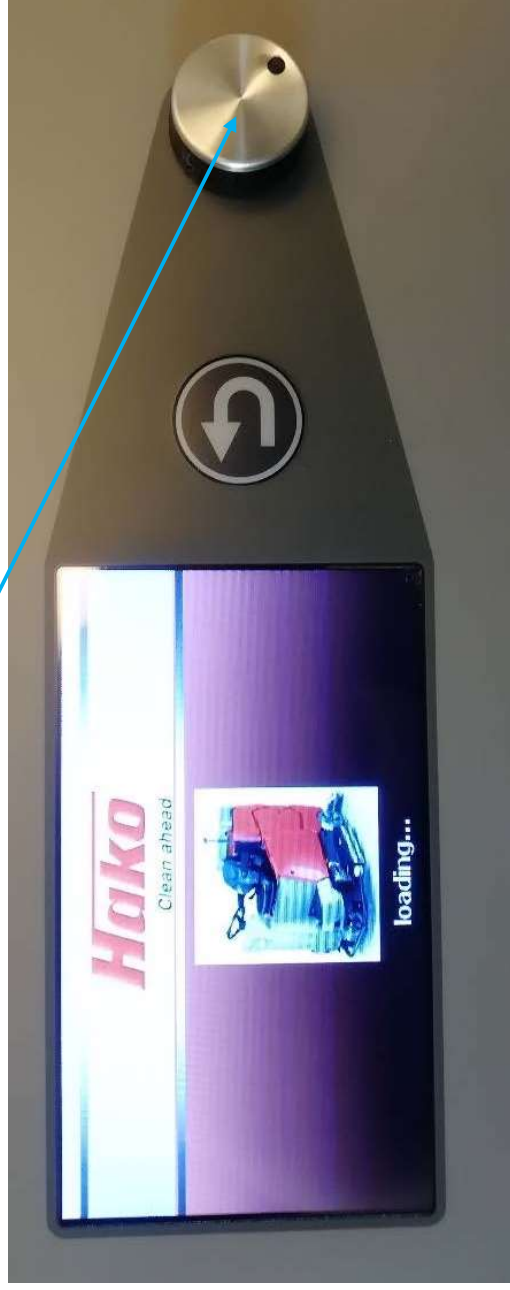
SCM B175R/B260R/B400R



After the key switch is ON, the message of a new variant appears on the screen,



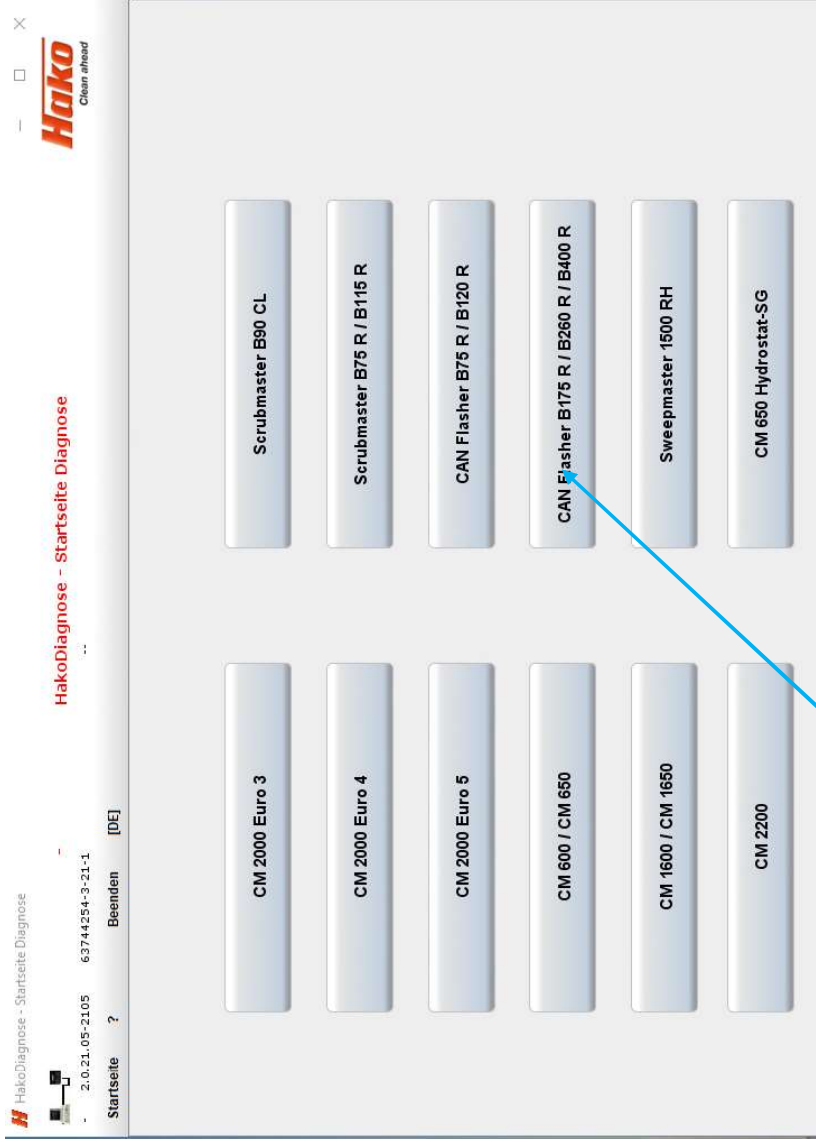
with the request "Update". To do this, just press the rotary push button. **Turning it leads to termination**



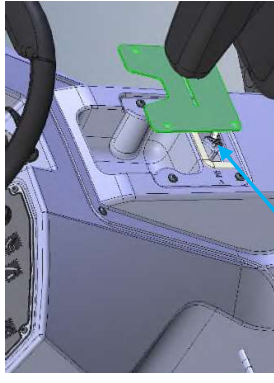
SCM B175R/B260R/B400R



2) Flash software A1



The Hako diagnosis must be connected to an interface. A connection to the machine (OBD plug) is essential.



OBD plug

Choose "CAN Flasher B175R / B260R / B400R" program in Hako Diagnosis.

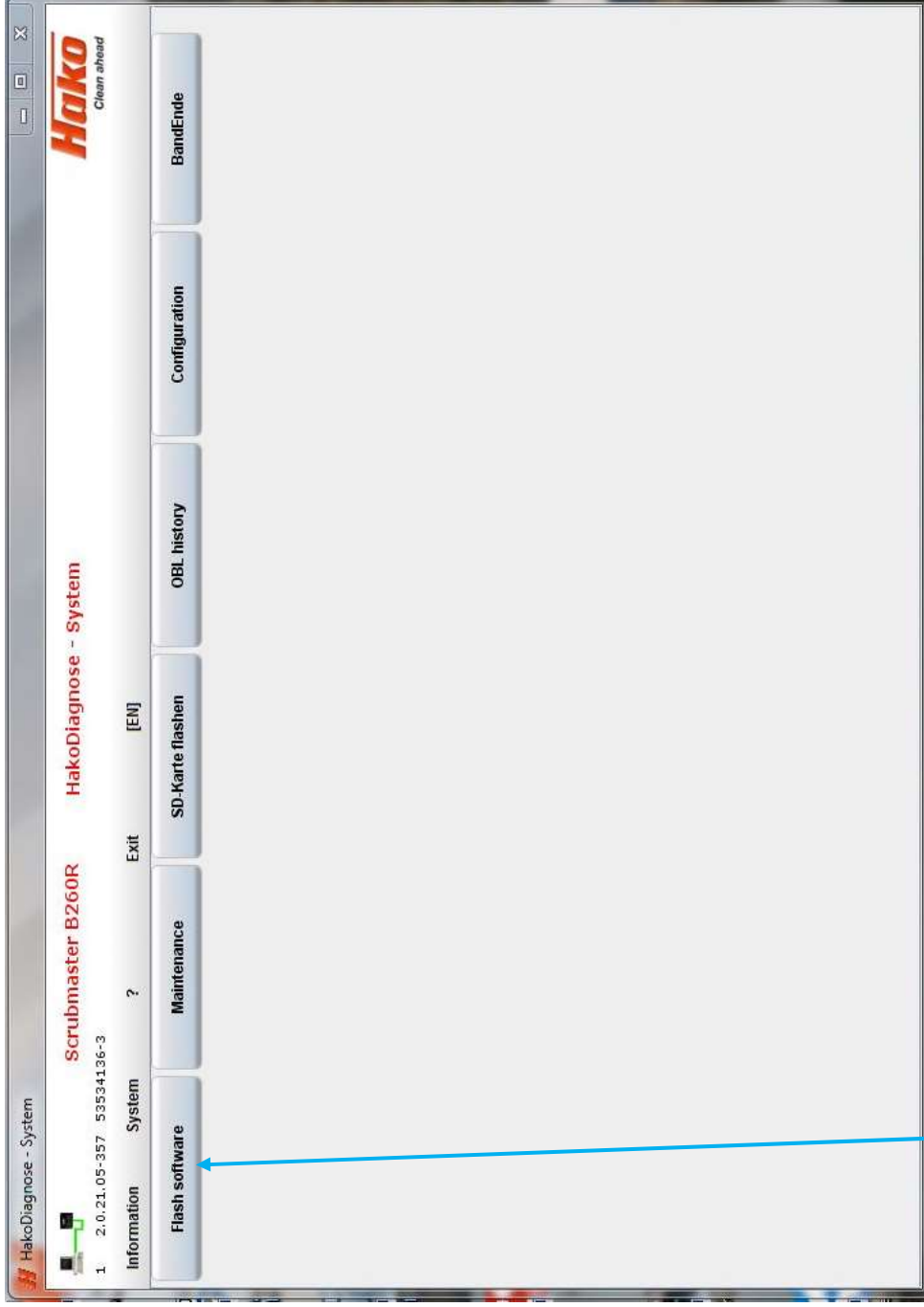
The screenshot shows the 'HakoDiagnose - Information' software interface. The main window displays 'Machine data' for a 'Scrubmaster B260R'. A blue arrow points from the 'System' menu item in the top navigation bar to the 'Backup Batterie' status indicator in the machine data table.

Machine data		Settings and options	
Hako model:	Scrubmaster B260R	SOW, 3.Z:	0
Hako serial number:	718200000361	SOW, 3.3:	0
Software version:	7182.00.001.007	SOW, 3.4:	0
Hardware version:	97155519	SOW, 3.5:	1
Display Version:	V910028_2.004	SOW, 3.6:	1
Machine Type:	B260 R	SOW, 3.7:	0
Brush deck:	Walzenbürste 1080mm	SOW, 3.8:	1
LDS type (Battery type):	PzS oder PzB	SOW, 3.9:	0
Battery charger (Battery type):	kein Onboard-Ladegerät	SOW, 3.A:	0
Charging characteristics:	--	SOW, 3.B:	0
Travel drive:	XAC (Front+Heck)	SOW, 3.C:	0
External Memory:	SD-Card	SOW, 3.D:	0
		SOW, 3.E:	0
		SOW, 3.F:	0
		Param. 4.0:	3
Last error:	3412	Param. 4.1:	0
Date, Time:	12-07-21, 13:39:16	Param. 4.2:	1
ServiceWecker:		Param. 4.3:	3
Abgelaufen in 250 Stunden oder 365 Tagen:		Param. 4.4:	1
		Param. 4.5:	0
		Param. 4.6:	3
		Param. 4.7:	0
		Param. 4.8:	0
		Param. 4.9:	0

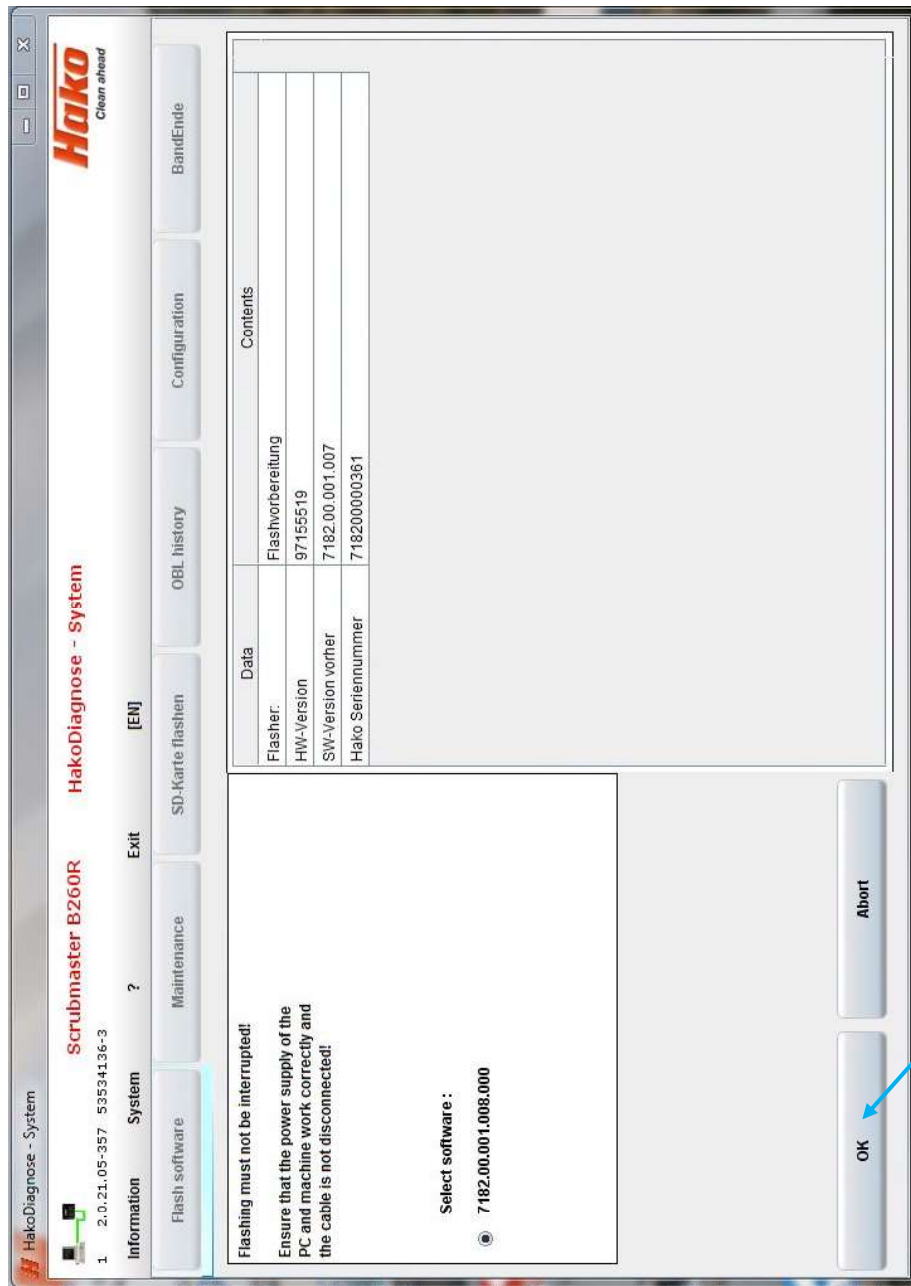
Choose menu "System" (sample B260R, equal for all types).

* The software versions shown here may differ, as the document is only a snapshot

SCM B175R/B260R/B400R



Choose program "Flash software".



Start flash process with "OK".

* The software versions shown here may differ, as the document is only a snapshot

Information System 2.0.21.05-357 53534136-3

Software flashen ?

Software auswählen:
7182.00.001.008.000

Das Flashen darf nicht unterbrochen werden!
Sicherheit, das die Spannungsversorgung von PC und Maschine korrekt arbeitet und die Kabelverbindung nicht unterbrochen wird!

Daten	Inhalt
Flasher:	Flashvorbereitung
HW-Version	97155519
SW-Version vorher	7182.00.001.007
Hako Seriennummer	71820000361
	008.000.hex
	FATUS_LOAD_FILE
	FATUS_CONNECT_J2534
	FATUS_CHECK_STATE
	FATUS_READ_ECU_ID
	FATUS_SEND_PASSWORD
	FATUS_ERASE_FLASH
Flasher:	\$ACTION_STATUS_FLASH_PROGRESS
Flasher:	\$ACTION_STATUS_CHECK_FW
Flasher:	\$ACTION_STATUS_SWITCH_TO_APP
Flasher:	\$ACTION_STATUS_OK
	Erfolg

Das Flashen war erfolgreich!
Bitte den Schliessschalter aus- und einschalten, dann bestätigen.

OK

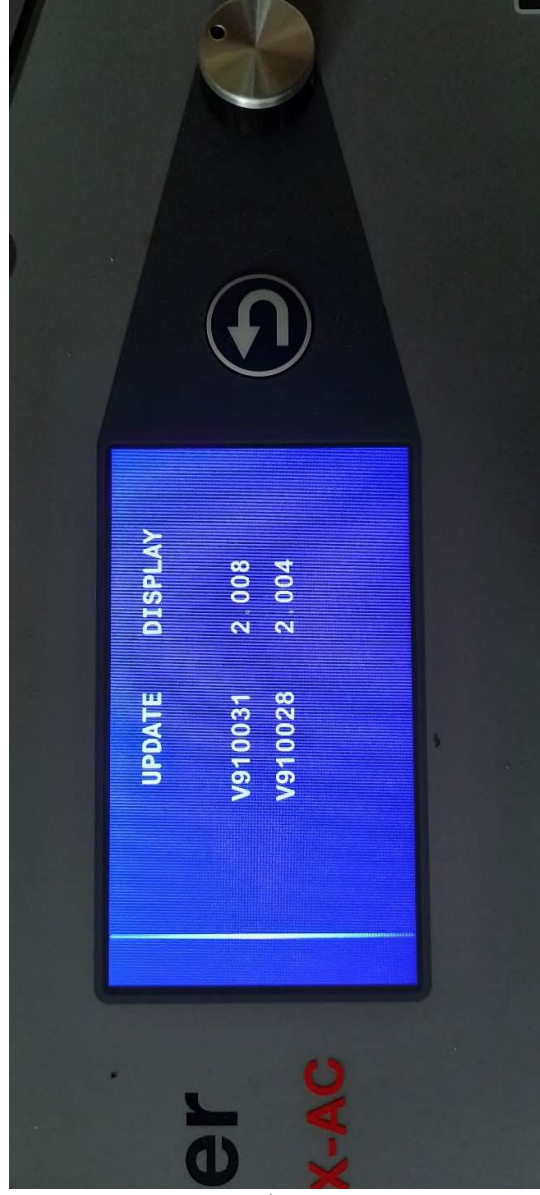
Flash process is successfully finished. Confirm with "OK"

SCM B175R/B260R/B400R



If only update software A1 is carried out. The following display appear after the key switch is ON.
This means that newer display software is required

needed display
software
existing display
software

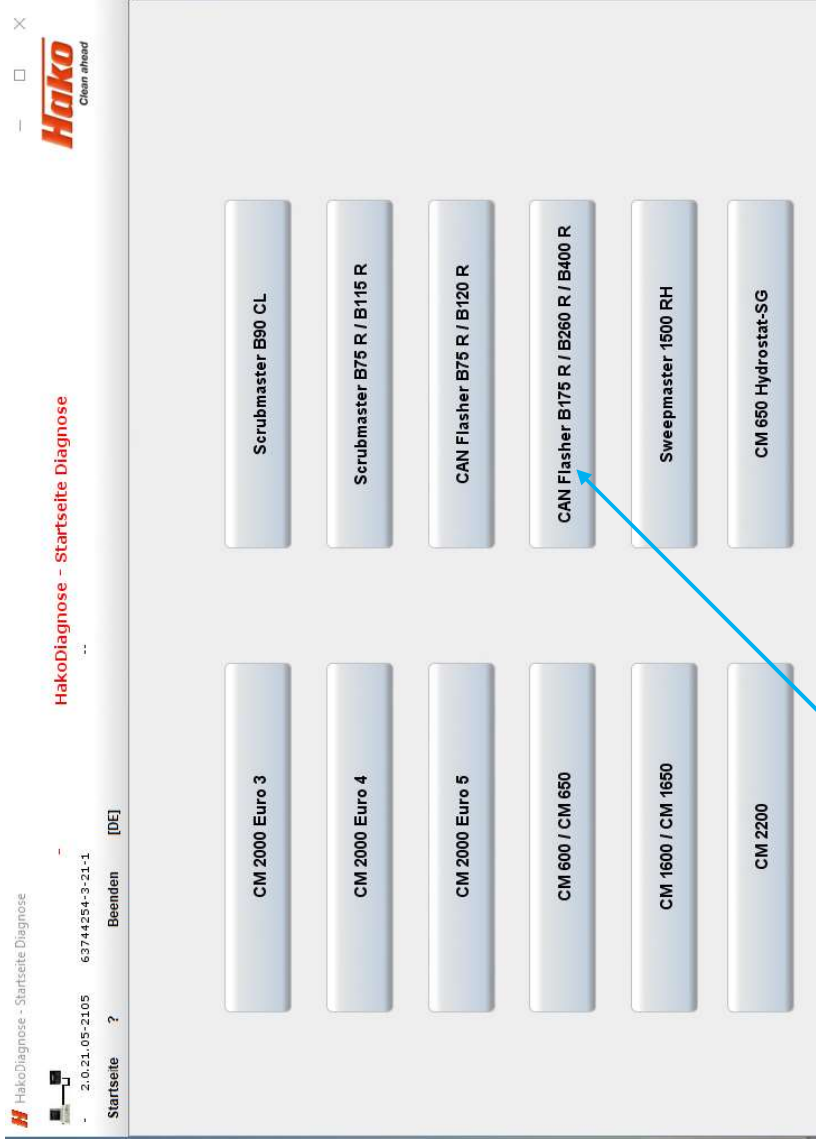


* The software versions shown here may differ, as the document is only a snapshot

SCM B175R/B260R/B400R



3) Check software versions



Choose "CAN Flasher B175R / B260R / B400R" program in Hako Diagnosis.

Machine data

Hako model:	Scrubmaster B260R
Hako serial number:	718200000361
Software version:	7182.00.001.008.000
Hardware version:	97155519
Display Version:	V910031_2.008
Machine Type:	B260 R
Brush deck:	Waizenbürste 1080mm
LDS type (Battery type):	PzS oder PzB
Battery charger (Battery type):	kein Onboard-Ladegerät
Charging characteristic:	-
Travel drive:	XAC (Front+Heck)
External Memory	SD-Card
Last error:	4535
Date, Time	12-07-21, 14:24:04
ServiceWecker:	Abgelaufen in 250 Stunden oder 365 Tagen
	Backup Batterie

Settings and options

Data	Contents
SOW, 3.2.	U
SOW, 3.3.	0
SOW, 3.4.	0
SOW, 3.5.	1
SOW, 3.6.	1
SOW, 3.7.	0
SOW, 3.8.	1
SOW, 3.9.	0
SOW, 3.A.	0
SOW, 3.B.	0
SOW, 3.C.	0
SOW, 3.D.	0
SOW, 3.E.	0
SOW, 3.F.	0
Param, 4.0.	3
Param, 4.1.	0
Param, 4.2.	1
Param, 4.3.	3
Param, 4.4.	1
Param, 4.5.	0
Param, 4.6.	3
Param, 4.7.	0
Param, 4.8.	0

Compare the version numbers under "" Display Version: and Software Version: "with the specification (sample B260R, equal for all types)

* The software versions shown here may differ, as the document is only a snapshot



Alternative method to check versions (sample B260R, equal for all types)

"Rotate" until green arrow on red background confirm by "Pressing" rotary push button



"Rotate" until the information field is framed in yellow confirm by "Pressing" rotary push button



(sample B260R, equal for all types)

Serial number of the machine

Display version

Front wheel drive control version

Rear wheels drive control version

Main board (A1) version

Bootloader version