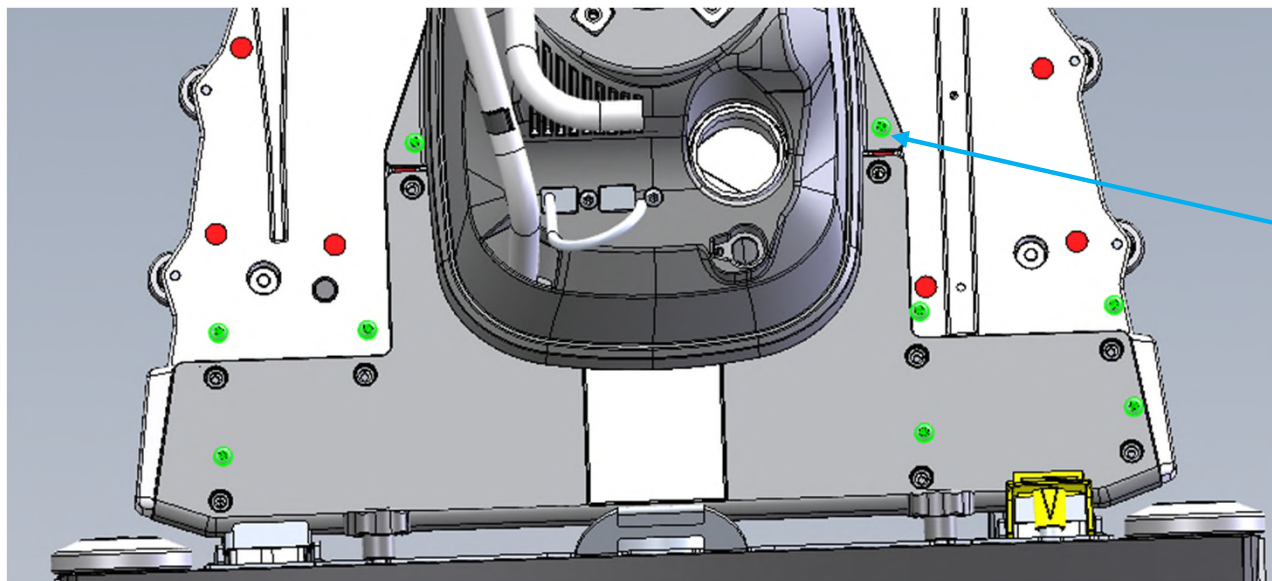
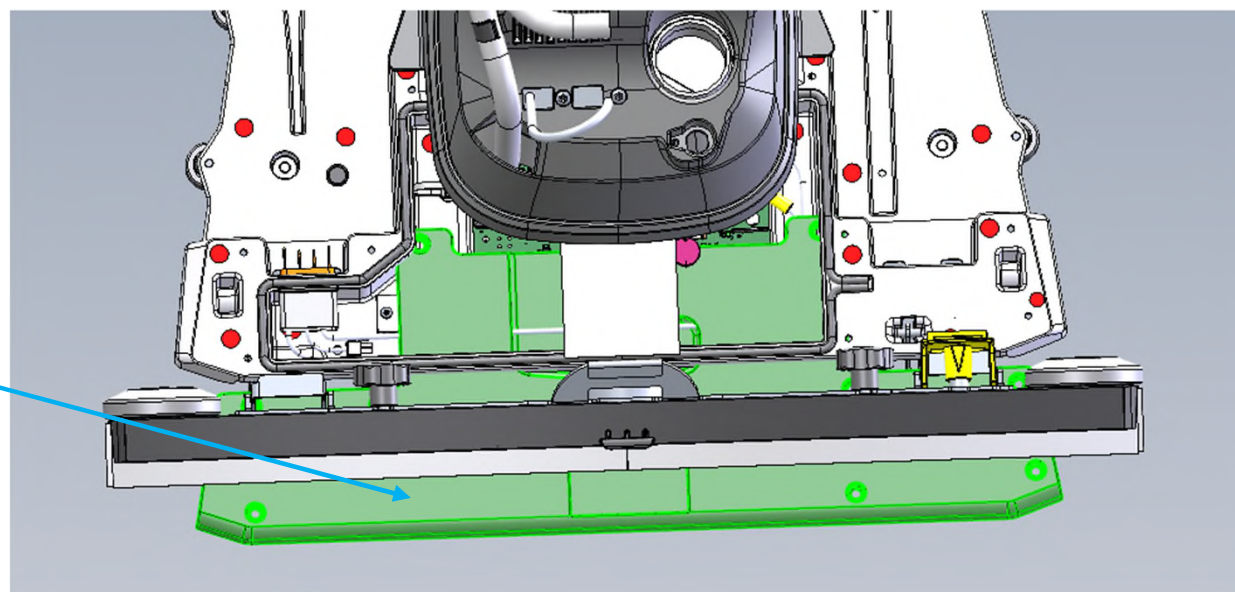


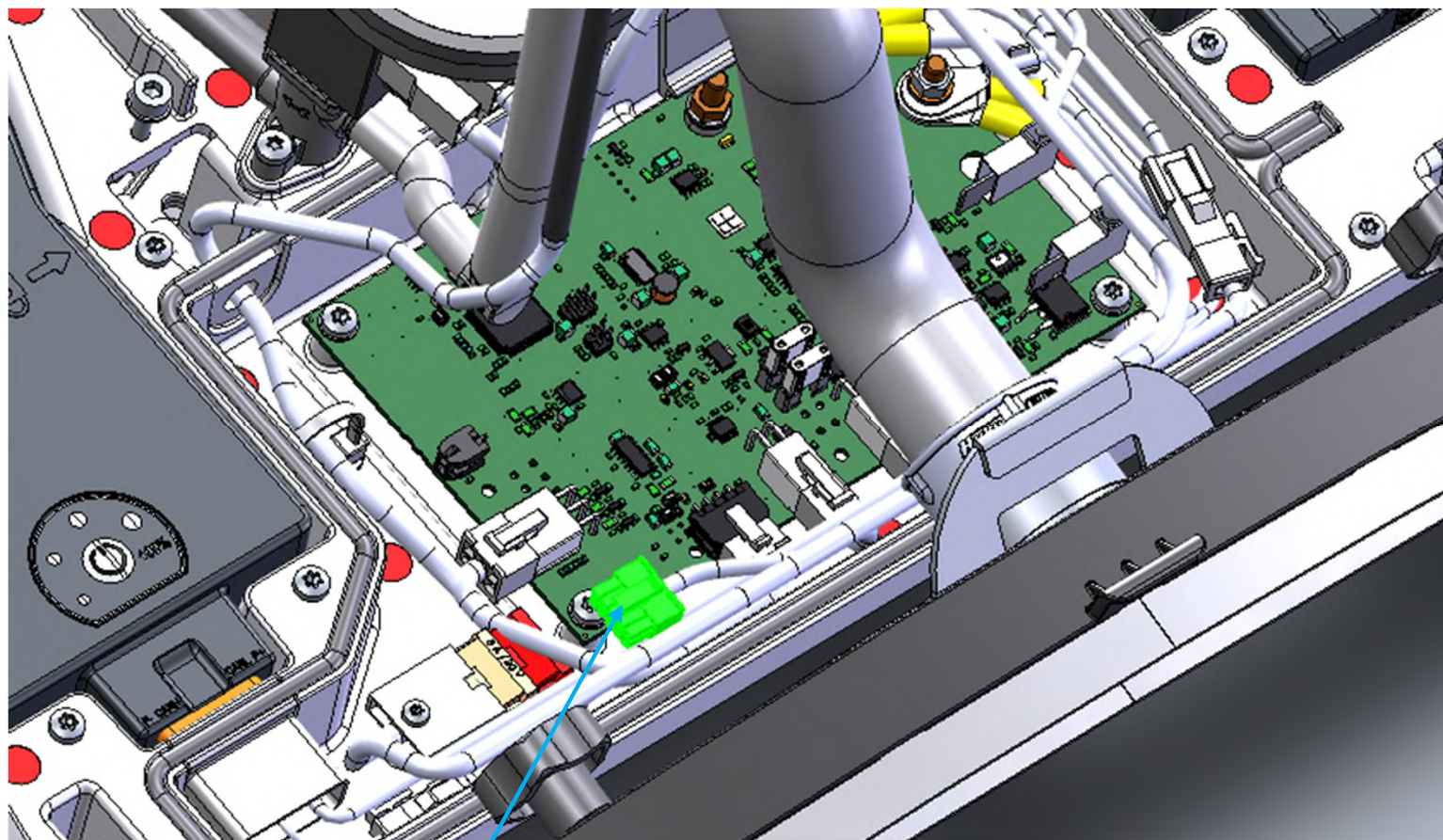
Flashing control board

Access to diagnostic plug in machine till 21.03.2025

Remove 9 screws (green)

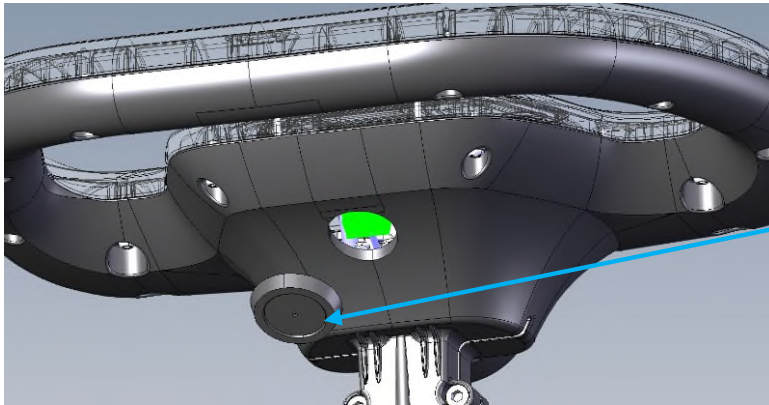
Pull out the electronics
compartment cover





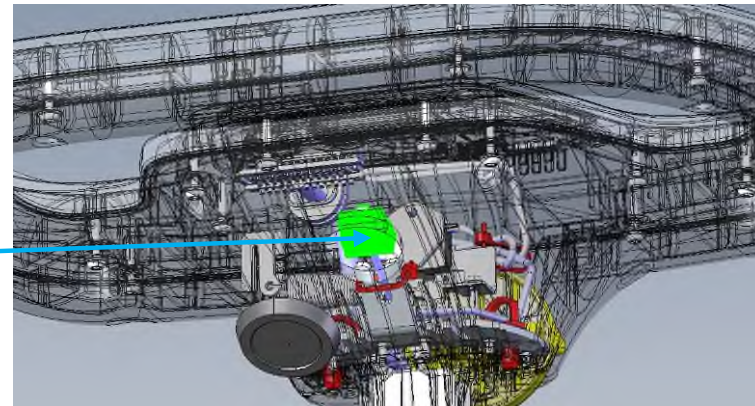
Connect plug A20 (fleet recorder) [is below the cable from X7]
with adapter plug Microfit (to A20) on OBD

Access to diagnostic plug in machine from 21.03.2025

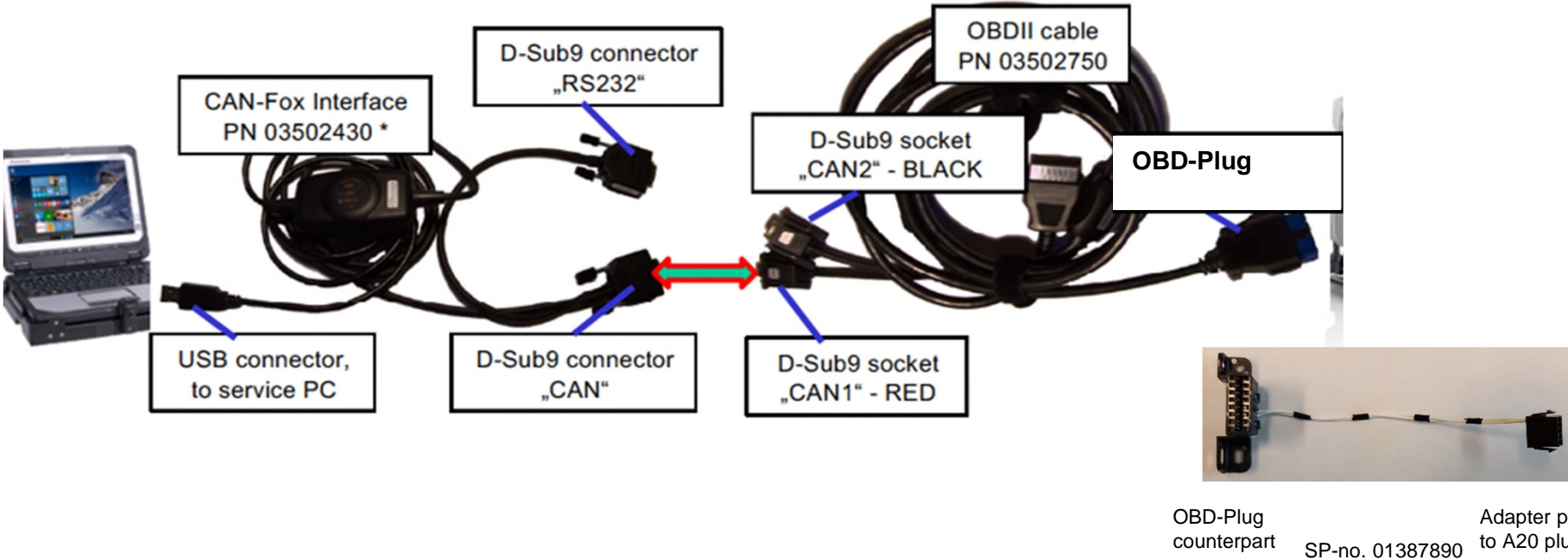


Diagnose plug cap
*press in the middle for secure
fastening*

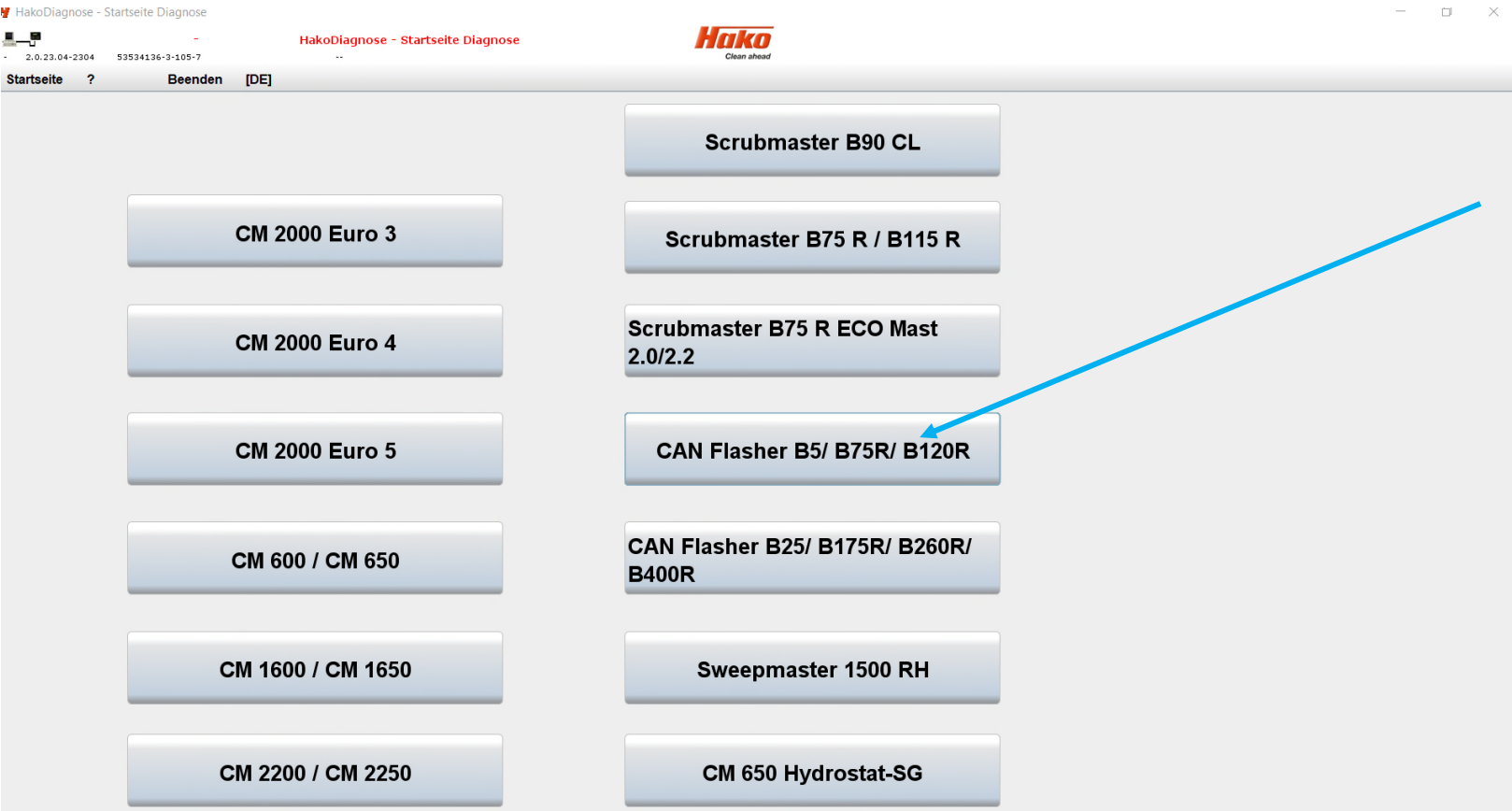
10pin diagnose plug
X26



Diagnostic hardware



Start diagnose tool



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

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

Overview mashine data

HakoDiagnose - Information

12.0.23.04-38053534136-3

Scrubmaster B5/B45HakoDiagnose - Information

HakoClean ahead

InformationSystem?Beenden[DE]

ÜbersichtBetriebsstundenEreignisspeicherDokumente

Maschinendaten

Modell:Scrubmaster B5/B45

Hako Seriennummer:7150102ZKB76

Software Version:7150.00.000.001.002

Hardware Version:97170542

Maschinentyp:Scrubmaster B5

Reinigungsaggregat:Orbital

TSG-Typ (Batterie-Typ):Lilo (BMZ)

Ladegerät (Batterie-Typ):Ladegerät nicht vorhanden

Batteriekennlinie:--

Fleetrecorder:-

Letzter Fehler:siehe Ereignisspeicher

Einstellungen und Optionen

Daten	Inhalt
Basis, 0.0.	0
Basis, 0.1.	1
Basis, 0.2.	7
Basis, 0.3.	11
Basis, 0.4.	0
Basis, 0.5.	0
Basis, 0.6.	0
Basis, 0.7.	0
Basis, 0.8.	0
Basis, 0.9.	0
Basis, 0.A.	0
Basis, 0.B.	0
Basis, 0.C.	0
Basis, 0.D.	0
Basis, 0.E.	0
Basis, 0.F.	0
Optionen, 1.0.	1
Optionen, 1.1.	0
Optionen, 1.2.	0
Optionen, 1.3.	0
Optionen, 1.4.	0
Optionen, 1.5.	0


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

Operating hours of the individual consumers

HakoDiagnose - Information

Scrubmaster B5/B45

HakoDiagnose - Information



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Information

System

?

Beenden

[OE]

Übersicht

Betriebsstunden

Ereignisspeicher

Dokumente

Betriebsstunden

Daten	Inhalt
BSZ Schlüsselschalter	08:30:07, 77
BSZ Grossverbraucher	06:27:00, 57
BSZ Bürsten	06:14:59, 84
BSZ Saugturbine	02:30:51, 55

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

Event messages

HakoDiagnose - Information



Scrubmaster B5/B45

HakoDiagnose - Information



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Information System ? Beenden [DE]

Übersicht

Betriebsstunden

Ereignisspeicher

Dokumente

Aktualisieren

Zeile	Anzeige	BSZ	Datum	Text_1
19	5931	07:33:10	00.00.0000 00:41:10	5931
18	4525	06:21:29	00.00.0000 00:00:00	Bedienfeld nicht erkannt
17	5931	06:21:27	00.00.0000 00:01:03	5931
16	4525	06:20:25	00.00.0000 00:00:00	Bedienfeld nicht erkannt
15	4525	06:15:18	00.00.0000 00:00:00	Bedienfeld nicht erkannt
14	4525	06:14:56	00.00.0000 00:00:00	Bedienfeld nicht erkannt
13	5931	06:14:48	00.00.0000 00:01:15	5931
12	4525	06:14:48	00.00.0000 00:01:15	Bedienfeld nicht erkannt
11	4525	04:26:22	00.00.0000 00:00:34	Bedienfeld nicht erkannt
10	5931	04:26:12	00.00.0000 00:00:05	5931
9	4525	00:26:11	00.00.0000 00:00:27	Bedienfeld nicht erkannt
8	1261	00:25:45	00.00.0000 00:00:07	Blockierschutz Bürste 1 (links)
7	1261	00:25:20	00.00.0000 00:00:14	Blockierschutz Bürste 1 (links)
6	1261	00:09:20	00.00.0000 00:00:13	Blockierschutz Bürste 1 (links)
5	1261	00:08:18	00.00.0000 00:00:07	Blockierschutz Bürste 1 (links)
4	1261	00:03:31	00.00.0000 00:00:40	Blockierschutz Bürste 1 (links)
3	1261	00:02:19	00.00.0000 00:01:00	Blockierschutz Bürste 1 (links)
2	1261	00:01:10	00.00.0000 00:00:07	Blockierschutz Bürste 1 (links)
1	1261	00:00:31	00.00.0000 00:00:26	Blockierschutz Bürste 1 (links)
0	4612	00:00:00	00.00.0000 00:00:00	Interner Leistungsteilfehler
Ende				

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

Flash process

HakoDiagnose - Information

Scrubmaster B5/B45 HakoDiagnose - Information

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Information System ? Beenden [DE]

Übersicht Betriebsstunden Ereignisspeicher Dokumente

Maschinendaten

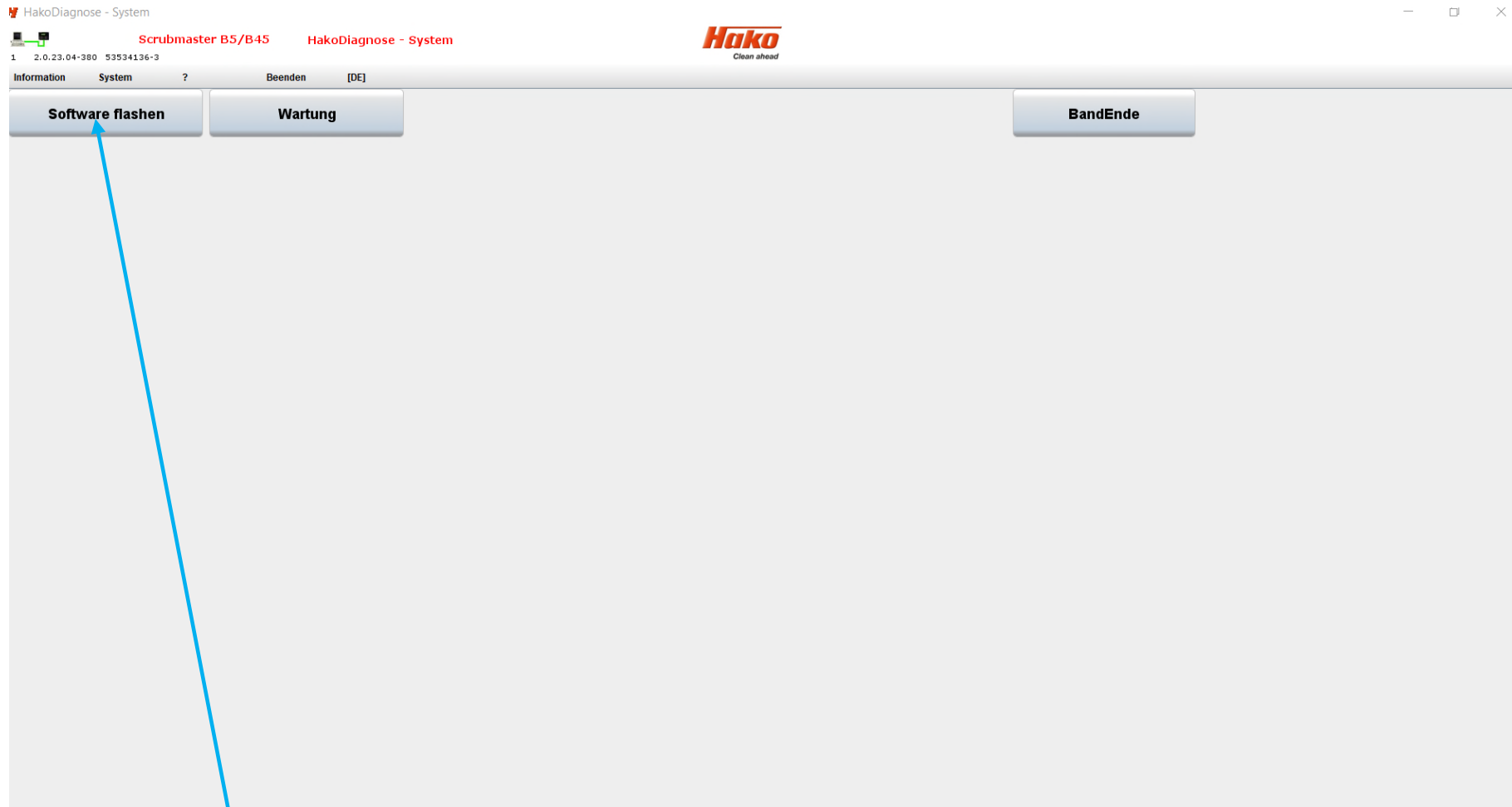
Modell:	Scrubmaster B5/B45
Hako Seriennummer:	7150102ZKB76
Software Version:	7150.00.000.001.002
Hardware Version:	97170542
Maschinentyp:	Scrubmaster B5
Reinigungsaggregat:	Orbital
TSG-Typ (Batterie-Typ):	Lilo (BMZ)
Ladegerät (Batterie-Typ):	Ladegerät nicht vorhanden
Batteriekennlinie:	--
Fleetrecorder:	-
Letzter Fehler:	siehe Ereignisspeicher

Einstellungen und Optionen

Daten	Inhalt
Basis, 0.0.	0
Basis, 0.1.	1
Basis, 0.2.	7
Basis, 0.3.	11
Basis, 0.4.	0
Basis, 0.5.	0
Basis, 0.6.	0
Basis, 0.7.	0
Basis, 0.8.	0
Basis, 0.9.	0
Basis, 0.A.	0
Basis, 0.B.	0
Basis, 0.C.	0
Basis, 0.D.	0
Basis, 0.E.	0
Basis, 0.F.	0
Optionen, 1.0.	1
Optionen, 1.1.	0
Optionen, 1.2.	0
Optionen, 1.3.	0
Optionen, 1.4.	0
Optionen, 1.5.	0

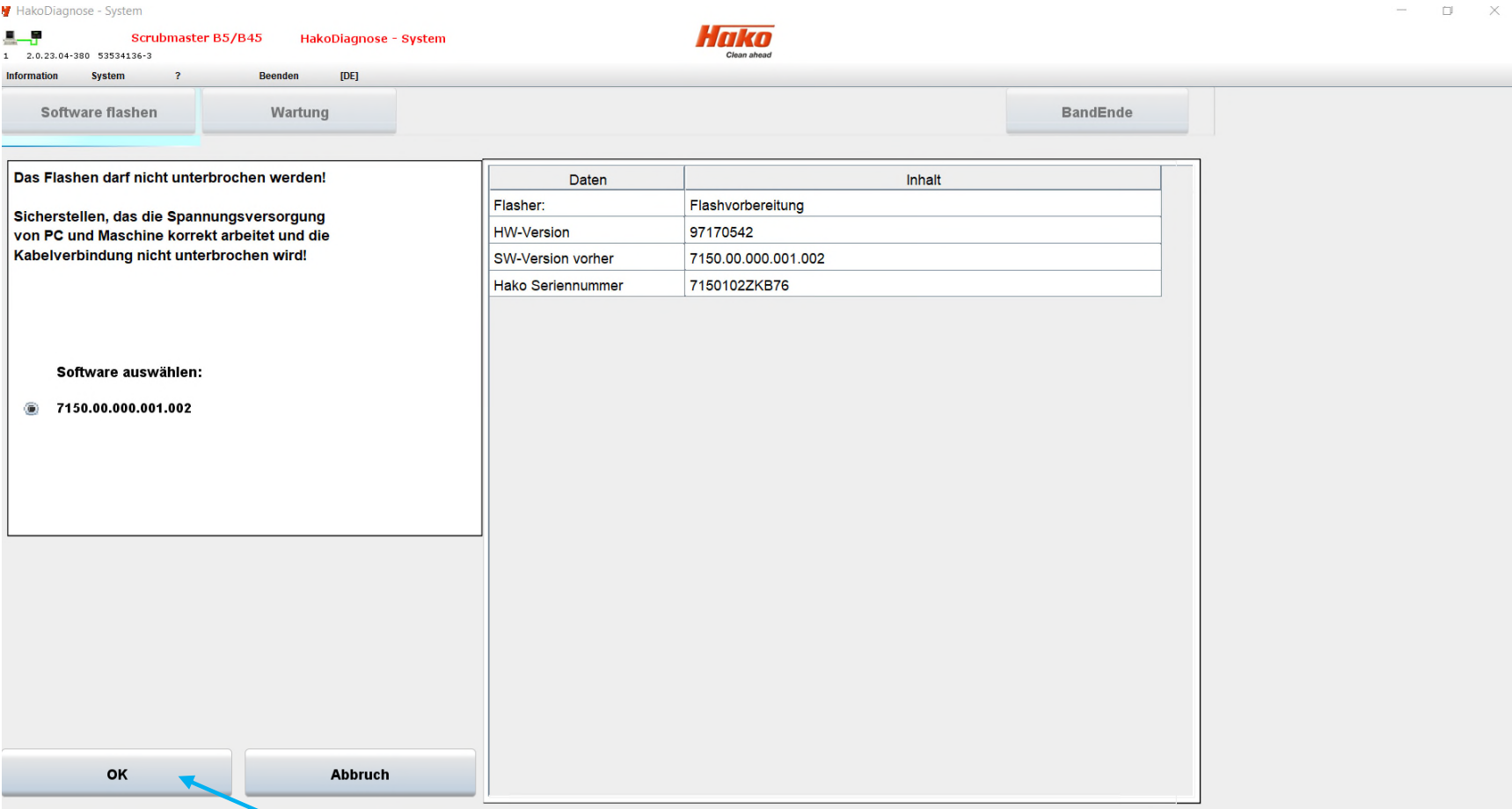
Choose menu "System"

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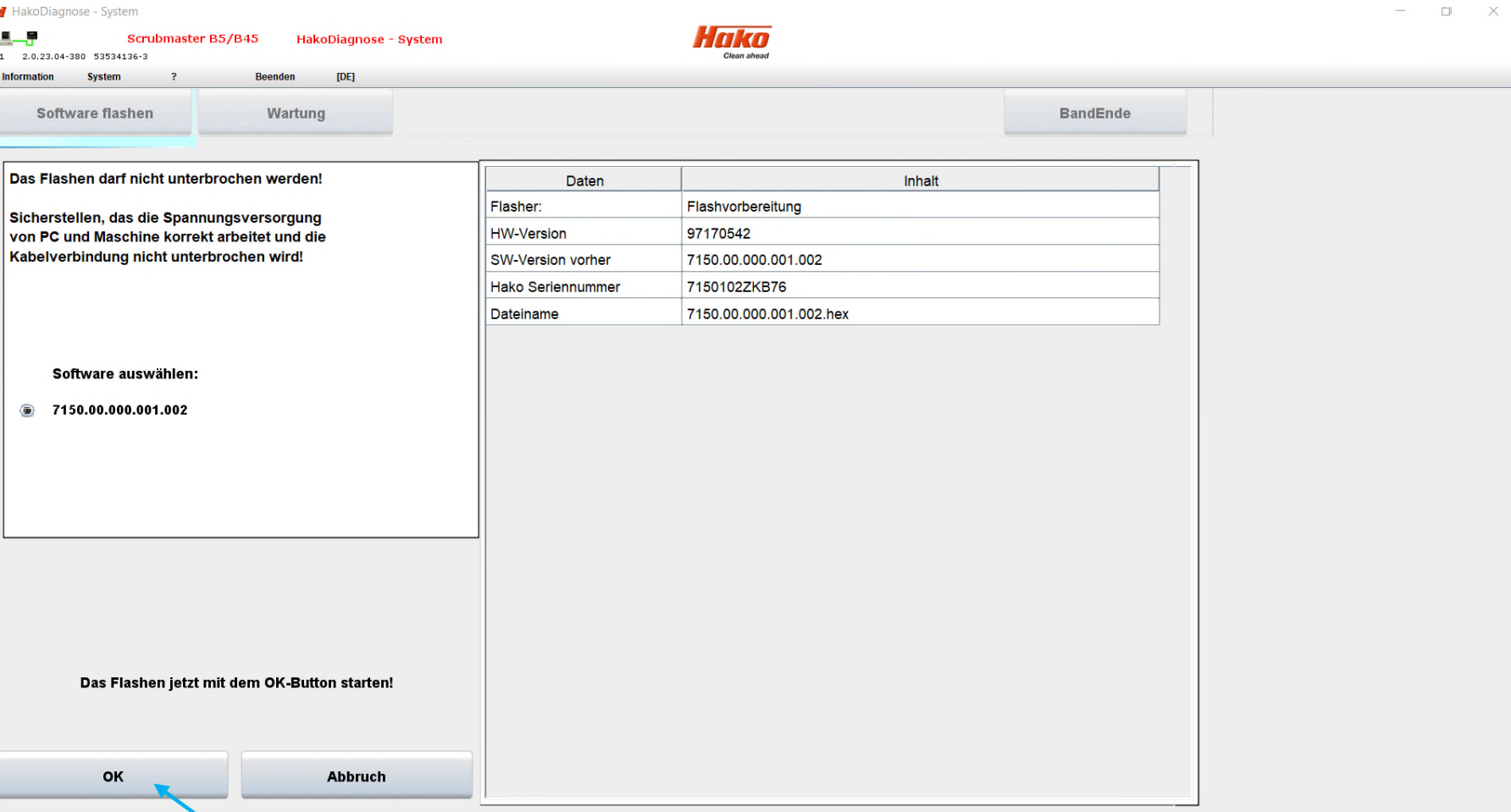
Choose program "Flash software".

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



Start flash process with “OK”.

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



Confirm flashing with "OK".

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

HakoDiagnose - System

Scrubmaster B5/B45

HakoDiagnose - System

2.0.23.04-380

53534136-3

Information

System

?

Beenden

[DE]

Software flashen

Wartung

BandEnde

Das Flashen darf nicht unterbrochen werden!

Sicherstellen, das die Spannungsversorgung von PC und Maschine korrekt arbeitet und die Kabelverbindung nicht unterbrochen wird!

Software auswählen:

7150.00.000.001.002

6 %

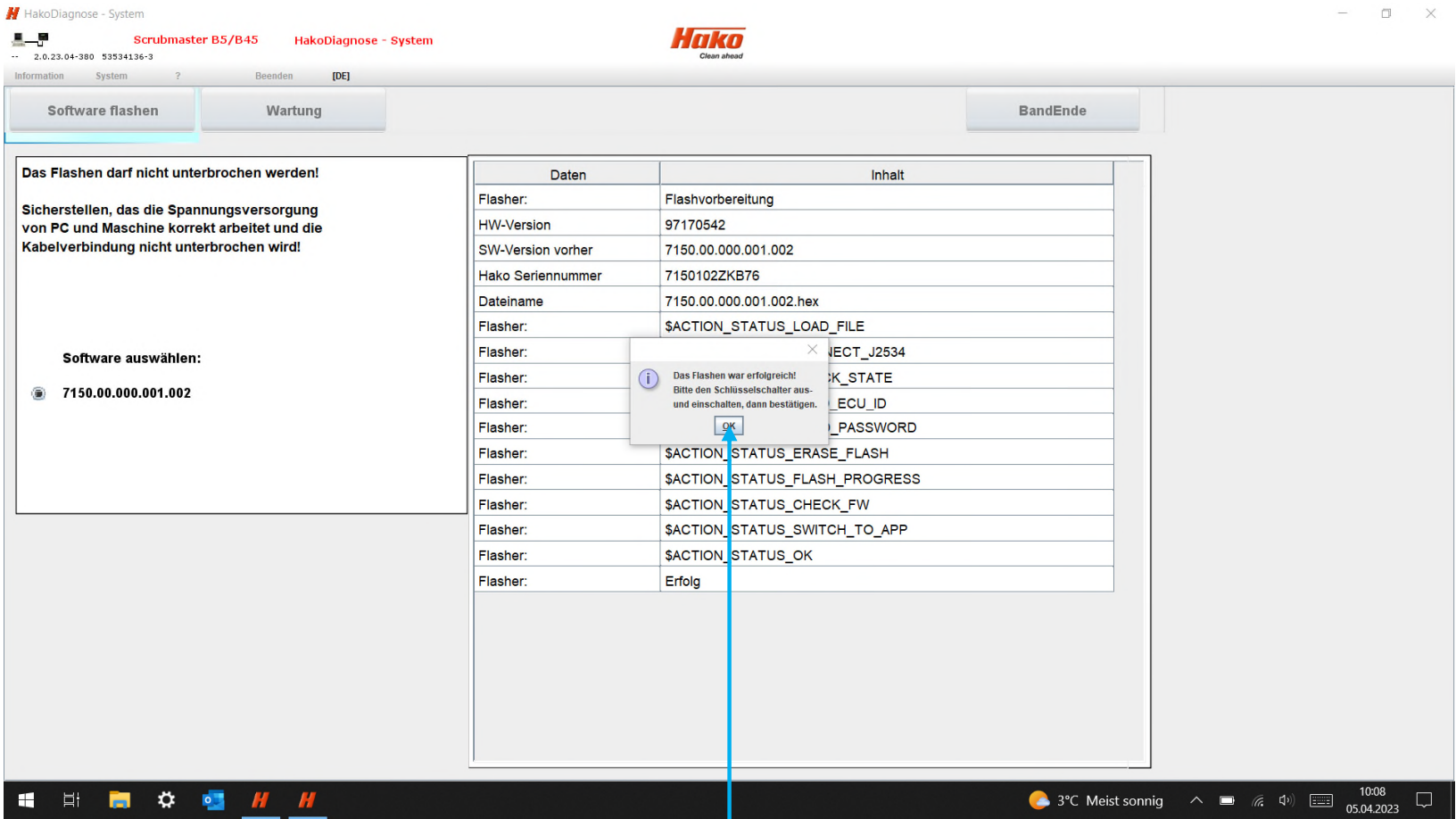
Daten	Inhalt
Flasher:	Flashvorbereitung
HW-Version	97170542
SW-Version vorher	7150.00.000.001.002
Hako Seriennummer	7150102ZKB76
Dateiname	7150.00.000.001.002.hex
Flasher:	\$ACTION_STATUS_LOAD_FILE
Flasher:	\$ACTION_STATUS_CONNECT_J2534
Flasher:	\$ACTION_STATUS_CHECK_STATE
Flasher:	\$ACTION_STATUS_READ_ECU_ID
Flasher:	\$ACTION_STATUS_SEND_PASSWORD
Flasher:	\$ACTION_STATUS_ERASE_FLASH
Flasher:	\$ACTION_STATUS_FLASH_PROGRESS

Display during the flash process

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Flash process is succesfully finished. Switch off the machine, then confirm with "OK".

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