

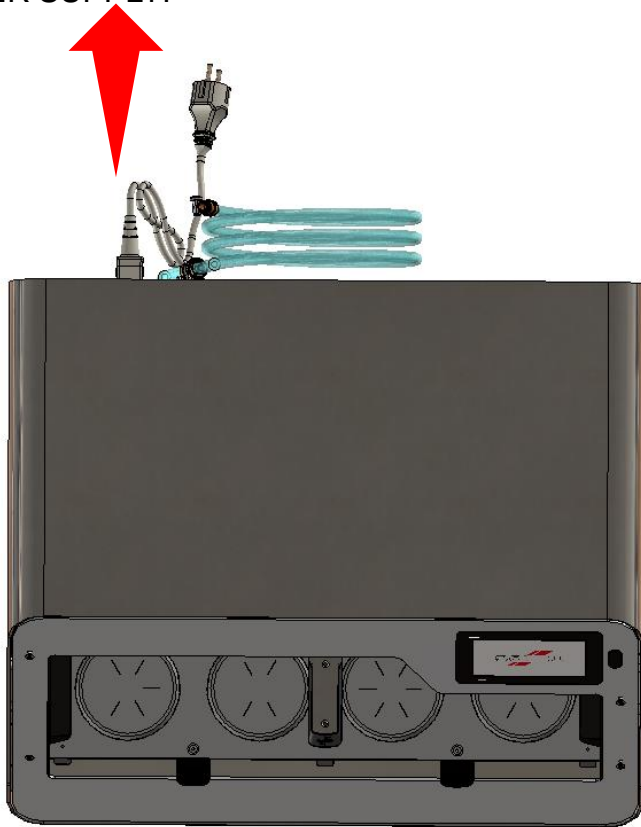


Repair manual BIOSTAR® 4-Aligner

12 Replacement guide plate
3030.113 *up to SN 10135*

Replacement guide plate 3030.113 *up to SN 10135*

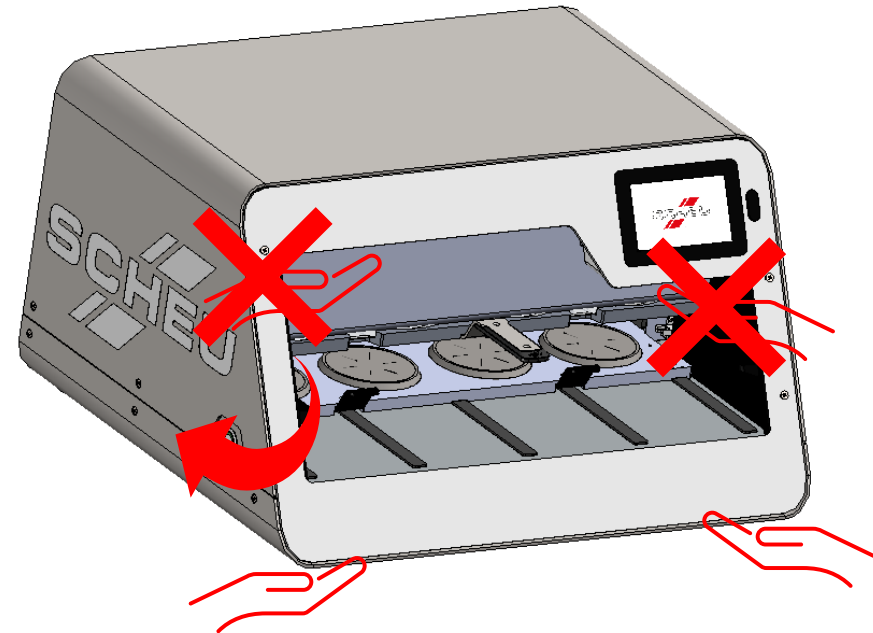
- 1** DISCONNECT THE DEVICE FROM THE MAINS POWER SUPPLY!



- 2** Turn the device over so that the rear of the device is freely accessible.

Please DO NOT lift the device by the FRONT PANEL but instead grasp it from underneath!

Ensure that the latest software version is installed.

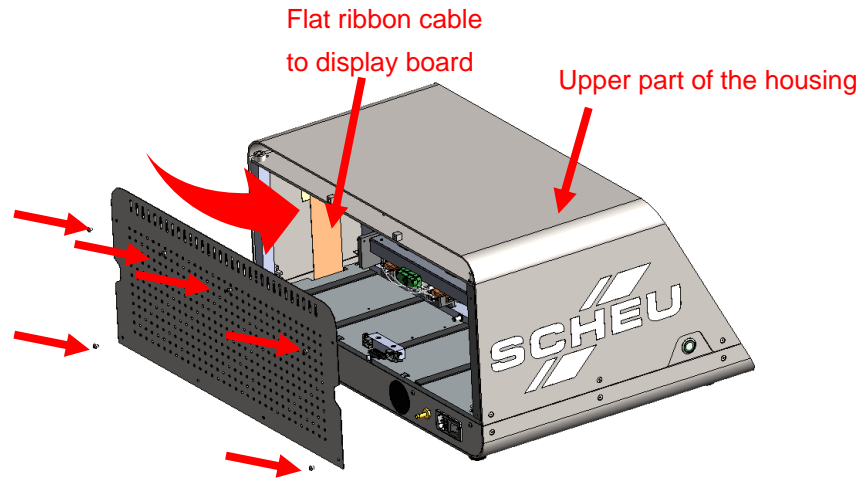


Replacement guide plate 3030.113 *up to SN 10135*

3

Remove the 6 screws from the rear panel.

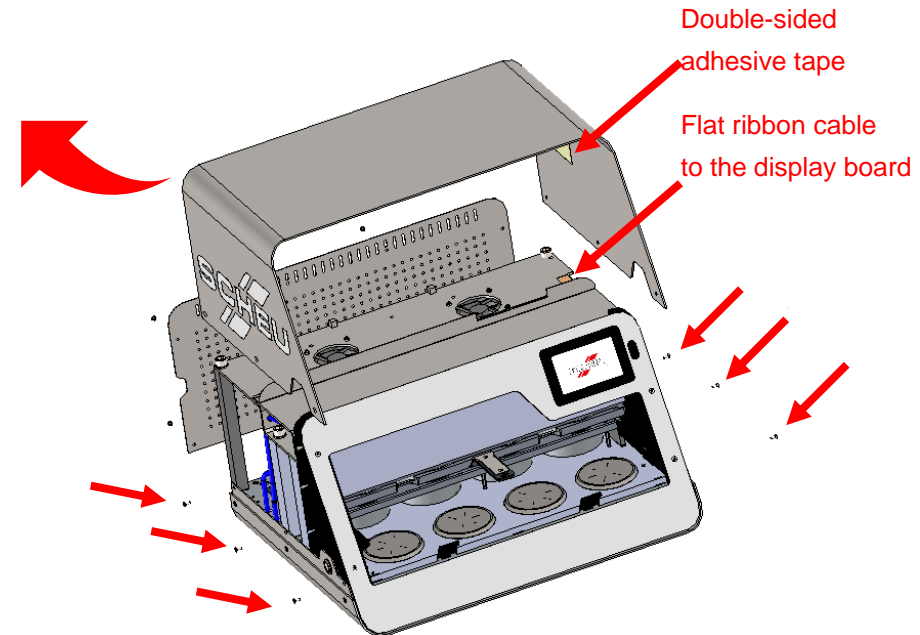
Then press on the sides of the upper part of the housing to carefully detach the ribbon cable from the double-sided adhesive tape on the upper part of the housing.



4

Loosen the 6 screws on the upper part of the housing.

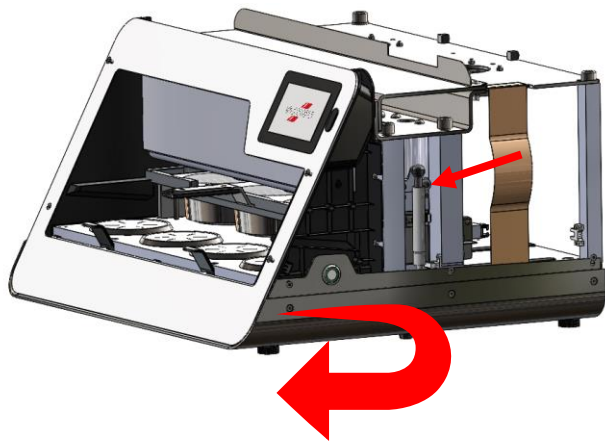
Caution! If necessary, remove the ribbon cable from the adhesive tape again.



Replacement guide plate 3030.113 *up to SN 10135*

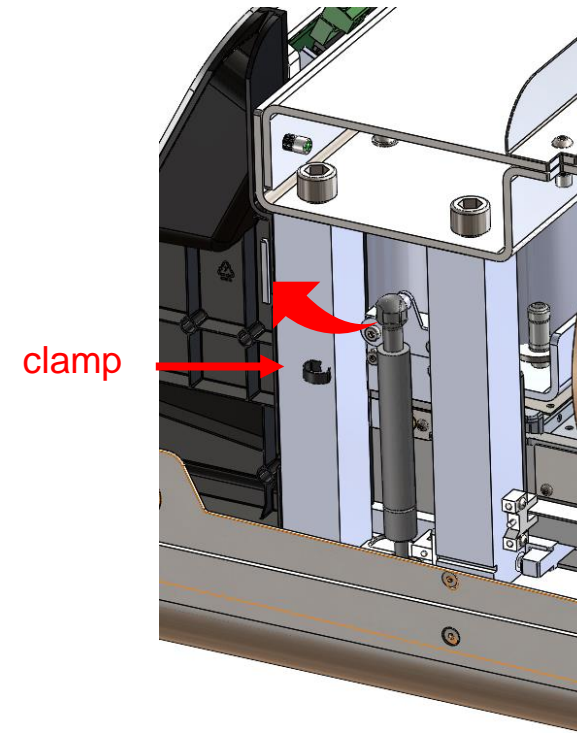
3

Turn the device so that you can access the shock absorbers from the side.



4

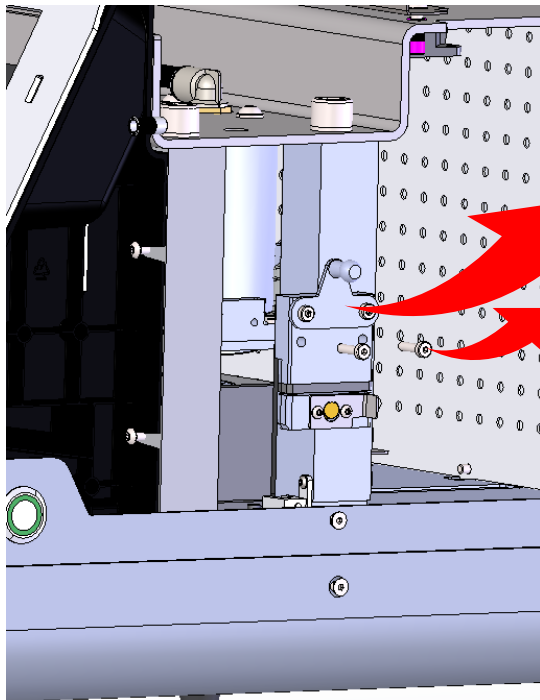
Remove the clamp from the ball head 3030.556. Hold the ball firmly with pliers, as the gas spring is under high pressure. Remove the gas spring from the device and set it aside.



Replacement guide plate 3030.113 *up to SN 10135*

5

Remove the 2 Allen screws and take out the mounting block for the gas spring.

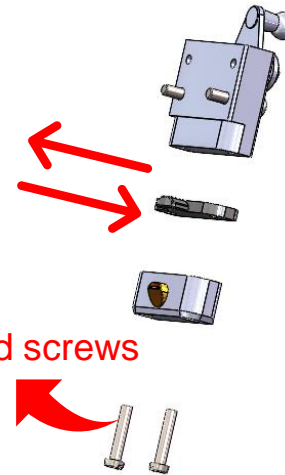


mounting block

2 Allen screws
M4x20

6

Remove the 2 slotted screws from the mounting block. Now replace the broken guide plate with a new one. Make sure that the flat side of the guide plate faces the brass pressure piece. Secure the plate with the slotted screws. Then screw the mounting block to the crossbar with the 2 Allen screws.



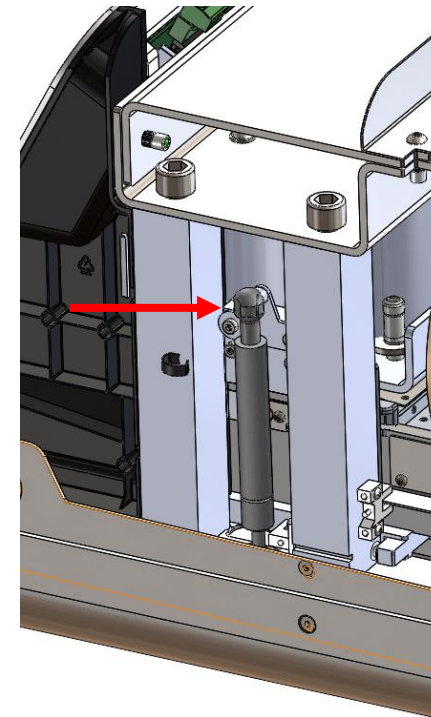
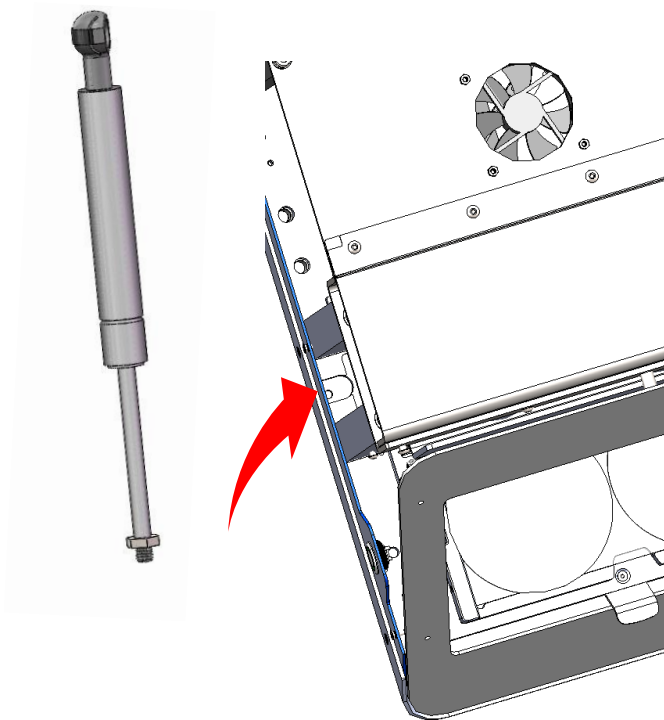
2 Slotted screws
M4x25

FLAT side of the guide plate

Brass pressure piece

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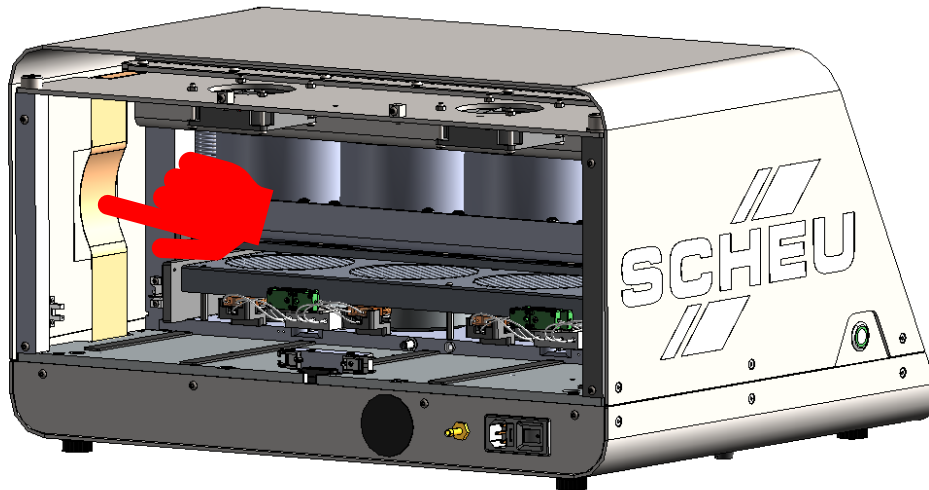
- 7** Insert the threaded end of the shock absorber into the hole in the base plate.
- 8** Preferably use pliers to squeeze the shock absorber together and push the ball piece onto the ball. Finally, attach the clamp.



Replacement guide plate 3030.113 *up to SN 10135*

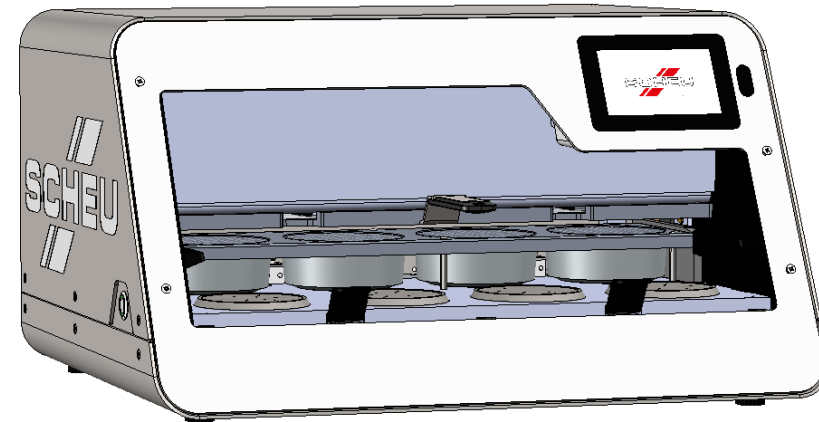
9

Slide the upper part of the housing onto the lower part and secure it with the 6 screws on the side. Then press the ribbon cable onto the double-sided adhesive tape on the upper part of the housing. This prevents the ribbon cable from becoming entangled with the reflector plate and, in the worst case, tearing off.

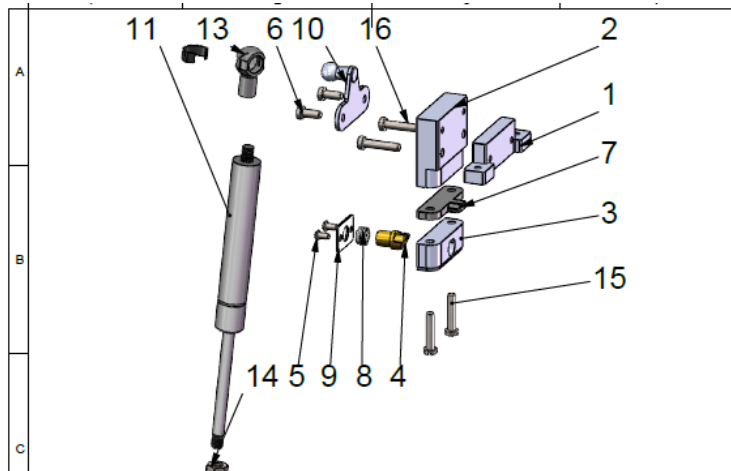


10

Now attach the rear panel with the 6 screws.



Replacement guide plate 3030.113 *up to SN 10135*



POS-NR.	BENENNUNG	BESCHREIBUNG	MENGE
1	3030_111	Montageblock	1
2	3030_112	Distanzblock	1
3	3030_114	Halter Druckstück	1
4	3030_115	Druckstück	1
5	3030_533	Flachkopfschraube M3x6 DIN 7380 vz	2
6	3030_538	Flachkopfschraube DIN 6912 M4x10	2
7	3030_113	Führungsplatte	1
8	3030_508	Feder cs 0,75x9x15mm 1318 lesjofors	1
9	3030_205	Bolzenschlossplatte	1
10	3030_558	Endstück Kugelzapfen	1
11	3030_509	Gasfeder	1
13	3030_556	Kugelkopf für Gasfeder	1
14	3030_510	6kant Mutter M6	1
15	3125_134	Zylinderschraube M4x25 DIN 84 vz	2
16	3030_562	Flachkopfschraube ISO 7380 M4x20 vz	2

Datum: 22.07.25

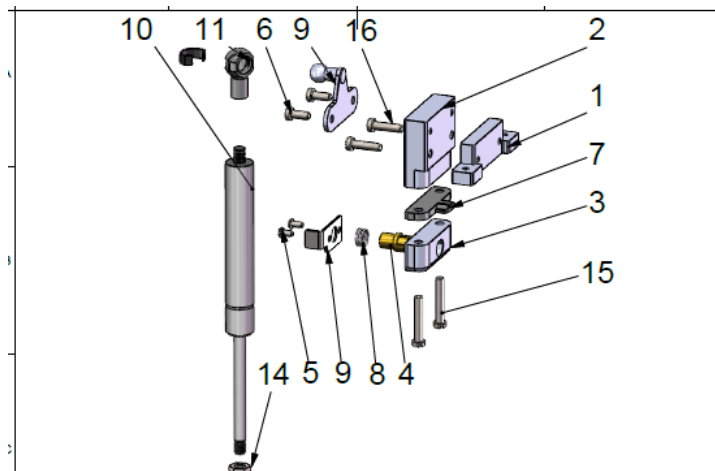
BG Gasfeder Links

BIOSTAR 4-Aligner bis SN 10135

SCHEU 3030_825

Blatt 1 von 1 A4

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POS-NR.	BENENNUNG	BESCHREIBUNG	MENGE
1	3030_111	Montageblock	1
2	3030_112	Distanzblock	1
3	3030_114	Halter Druckstück	1
4	3030_115	Druckstück	1
5	3030_533	Flachkopfschraube M3x6 DIN 7380 vz	2
6	3030_538	Flachkopfschraube DIN 6912 M4x10	2
7	3030_113	Führungsplatte	1
8	3030_508	Feder cs 0,75x9x15mm 1318 lesjofors	1
9	3030_206	Bolzenschlossplatte Sensor	1
10	3030_509	Gasfeder	1
11	3030_558	Endstück Kugelzapfen	1
13	3030_510	6kant Mutter M6	2
14	3030_556	Kugelkopf für Gasfeder	1
15	3125_134	Zylinderschraube mit Schlitz DIN 84 M4x25	2
16	3030_562	Inbusschraube M4x20	2

Datum: 22.07.25

BG Gasfeder Rechts

BIOSTAR 4-Aligner ab SN 10135

SCHEU 3030_826

Blatt 1 von 1 A4

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