



Label Printer

EOS

Made in Germany

for the following products

Description	Type
Label Printer	EOS1 / 200
	EOS1 / 300
	EOS1 / 200 C
	EOS1 / 300 C
	EOS4 / 200
	EOS4 / 300
	EOS4 / 200 C
	EOS4 / 300 C
	EOS4 / 200 P
	EOS4 / 300 P

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Editor

Regarding questions or comments please contact cab Produkttechnik GmbH & Co. KG.

Topicality

Due to the constant further development of our products discrepancies between documentation and product can occur. Please check www.cab.de for the latest update.

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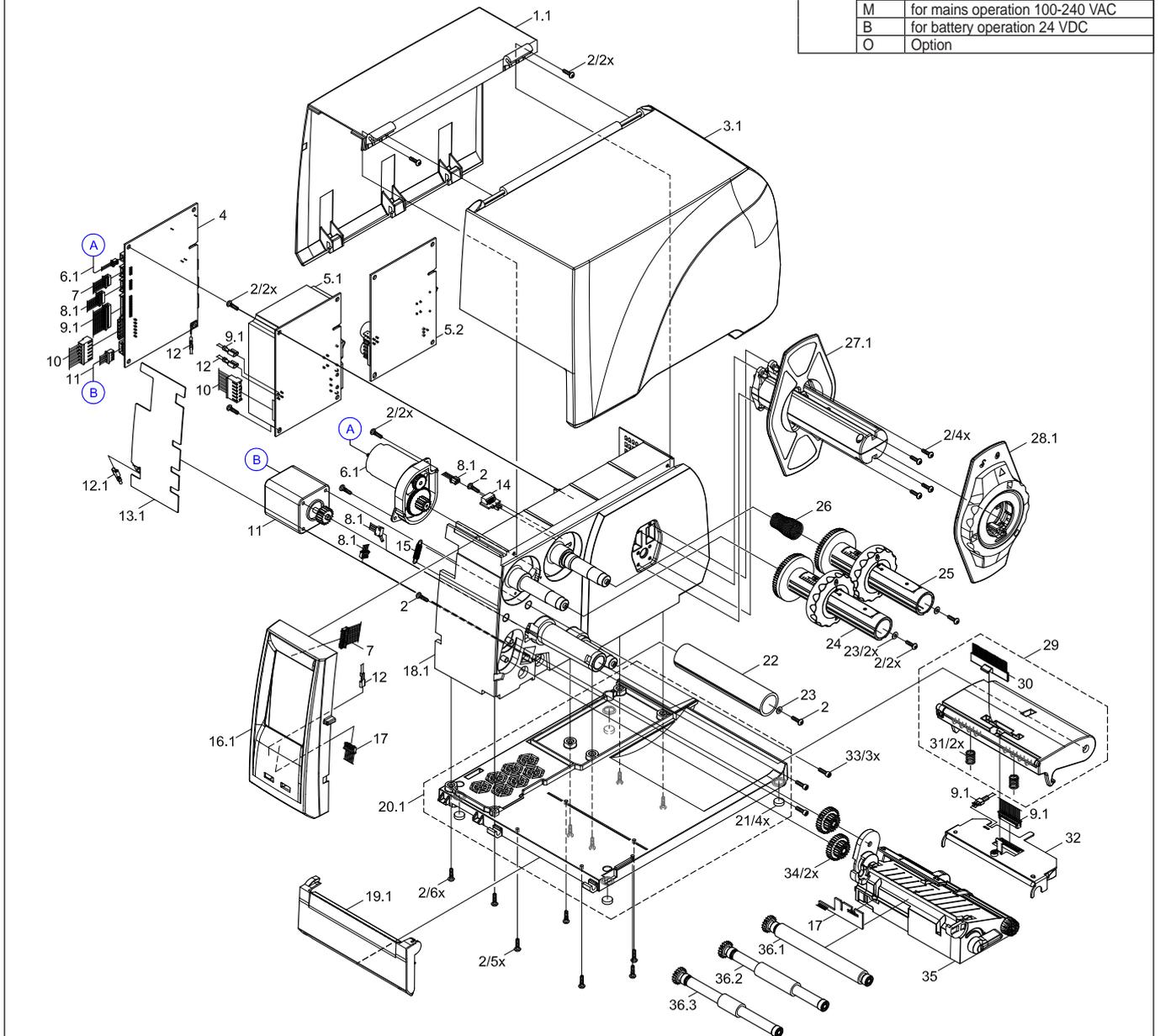
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info.cn@cab.de

Representatives in other countries on request

No.	Part No.	Description	PU	Notes	Serial No.	
					from	to
1.1	5965403.001	Cover Plate	1			
2	5902414.001	Screw EJET-PT-K30x12	10			
3.1	5965484.001	Cover	1			
4	5550176.001	CPU X3	1			
5.1	5551126.001	Power Supply	1	N		
5.2	5966366.001	DC/DC Converter	1	A		
6.1	5965498.001	Gear Motor	1			
7	5965471.001	Cable Control Panel	1			
8.1	5965474.001	Cable Sensors	1			
9.1	5965473.001	Cable Printhead	1			
10	5965530.001	Cable Power Supply	1			
11	5965465.001	Stepper Motor	1			
12.1	5965534.001	Cable Ground Connection	1		8963	
12.3	5965384.001	Cable Ground Connection	1		8964	
13.1	5965566.001	Shielding Plate	1		8963	
14	5965359.001	Sensor	1			
15	5966209.001	Spring	1			
16.1	5965510.001	Control Panel	1			
17	5965378.001	Cable Cutter Connection	1			
18.1	5953902.001	Chassis	1			
19.1	5965445.001	Tear-off Plate	1			
20.1	5966207.001	Baseplate	1			

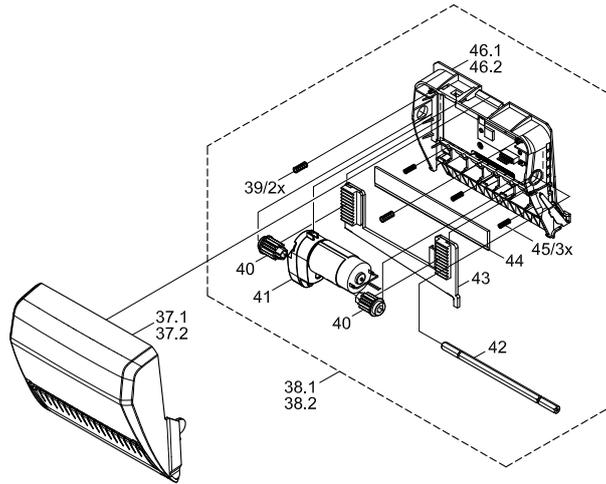
No.	Part No.	Description	PU	Notes	Serial No.	
					from	to
21	5540617.001	Foot	5			
22	5965477.001	Belt Roller	1			
23	5903004.001	Washer DIN125-A3.2	10			
24	5966203.001	Ribbon Take-up Hub	1			
25	5966205.001	Ribbon Supply Hub	1			
26	5965427.001	Spring	1			
27.1	5965455.001	Media Hub	1			
28.1	5965460.001	Margin Stop	1			
29	5966354.001	Printhead Holder	1			
30	5966323.001	Antistatic Brush	1			
31	5906104.001	Spring	10			
32.1	5966096.001	Printhead 200	1	200		
32.2	5965580.001	Printhead 300	1	300		
33	5902867.001	Screw DIN7984-M3x8	10			
34	5965536.001	Gear Wheel Z31/19	1			
35	5965415.001	Transport Module	1			
36.1	5965488.001	Print Roller DR4	1			
36.2	5966219.001	Print Roller DR4-50	1	O		
36.3	5966218.001	Print Roller DR4-25	1	O		
-	9109295.001	Packaging	1			

Notes	200	EOS1 / 200, EOS1 / 200 C
	300	EOS1 / 300, EOS1 / 300 C
	M	for mains operation 100-240 VAC
	B	for battery operation 24 VDC
	O	Option



No.	Part No.	Description	PU	Notes	Serial No. Cutter	
					from	to
37.1	5965987.001	Cover	1			917
37.2	5966331.001	Cover	1		918	
38.1	5965529.001	Cutter Module	1			917
38.2	5966350.001	Cutter Module	1		918	
39	5540637.001	Spring	1			
40	5965501.001	Gear Wheel Z12	1			
41	5541379.001	Gear Motor	1			

No.	Part No.	Description	PU	Notes	Serial No. Cutter	
					from	to
42	5965502.001	Shaft	1			
43	5965524.001	Blade	1			
44	5965528.001	Blade	1			
45	5906221.001	Spring	1			
46.1	5965507.001	Chassis	1			917
46.2	5966912.001	Chassis	1		918	



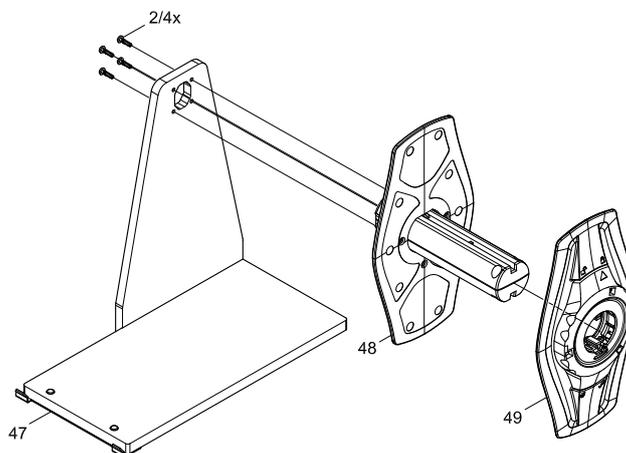
Note!

To upgrade the EOS1 up to SN 14372 with the Cutter EOS1 C to an EOS1 / 200 C or EOS1 / 300 C the Cable Cutter Connection (Art. No.: 5965378.001) must also be ordered .

Spare Parts - External Unwinder EOS1/205

No.	Part No.	Description	PU	Notes	Serial No.	
					from	to
2	5902414.001	Screw EJOT-PT-K30x12	10			
47	5965349.001	Holder	1			

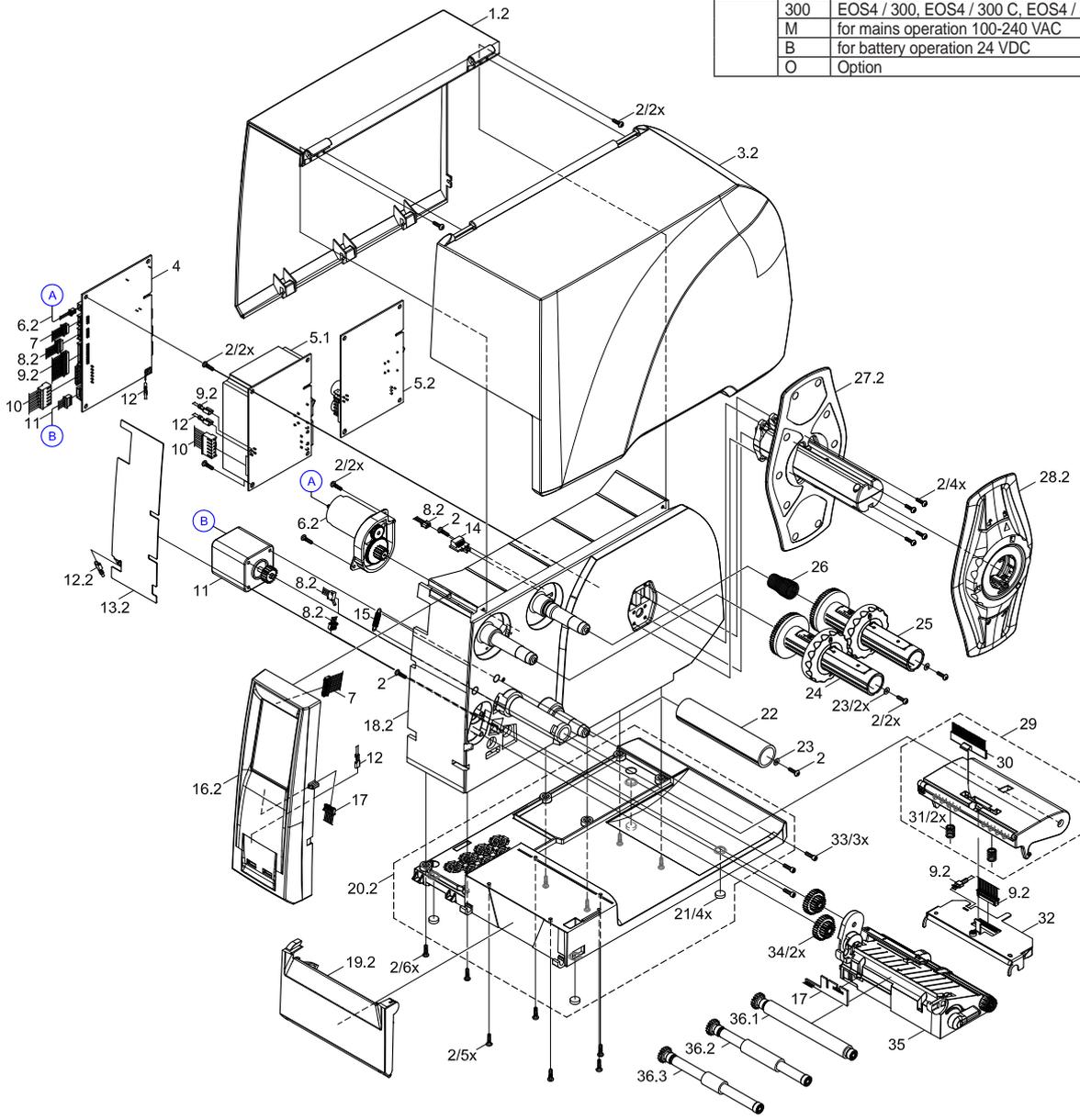
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					from	to
48	5965504.001	Media Hub	1			
49	5959588.001	Margin Stop	1			



No.	Part No.	Description	PU	Notes	Serial No.	
					from	to
1.2	5965872.001	Cover Plate	1			
2	5902414.001	Screw EJOT-PT-K30x12	10			
3.2	5965877.001	Cover	1			
4	5550176.001	CPU X3	1			
5.1	5551126.001	Power Supply	1	N		
5.2	5966366.001	DC/DC Converter	1	A		
6.2	5965887.001	Gear Motor	1			
7	5965471.001	Cable Control Panel	1			
8.2	5965388.001	Cable Sensors	1			
9.2	5965387.001	Cable Printhead	1			
10	5965530.001	Cable Power Supply	1			
11	5965465.001	Stepper Motor	1			
12.2	5965392.001	Cable Ground Connection	1		8963	
12.3	5965384.001	Cable Ground Connection	1		8964	
13.2	5965857.001	Shielding Plate	1		8963	
14	5965359.001	Sensor	1			
15	5966209.001	Spring	1			
16.2	5965880.001	Control Panel	1			
17	5965378.001	Cable Cutter Connection	1			
18.2	5953904.001	Chassis	1			
19.2	5965879.001	Tear-off Plate	1			
20.2	5965882.001	Baseplate	1			

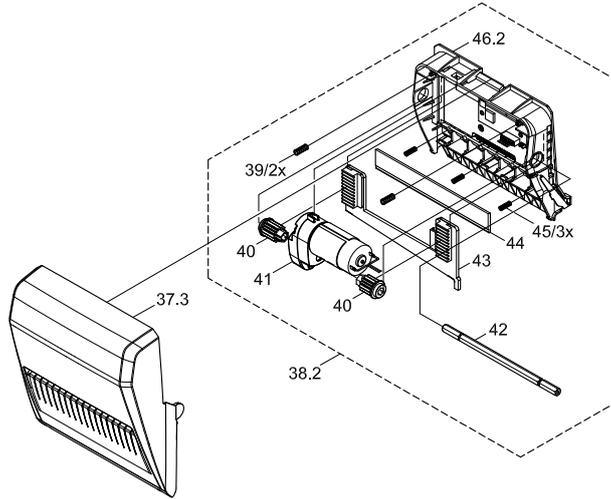
No.	Part No.	Description	PU	Notes	Serial No.	
					from	to
21	5540617.001	Foot	5			
22	5965477.001	Belt Roller	1			
23	5903004.001	Washer DIN125-A3.2	10			
24	5966203.001	Ribbon Take-up Hub	1			
25	5966205.001	Ribbon Supply Hub	1			
26	5965427.001	Spring	1			
27.2	5965886.001	Media Hub	1			
28.2	5965885.001	Margin Stop	1			
29	5966354.001	Printhead Holder	1			
30	5966323.001	Antistatic Brush	1			
31	5906104.001	Spring	10			
32.1	5966096.001	Printhead 200	1	200		
32.2	5965580.001	Printhead 300	1	300		
33	5902867.001	Screw DIN7984-M3x8	10			
34	5965536.001	Gear Wheel Z31/19	1			
35	5965415.001	Transport Module	1			
36.1	5965488.001	Print Roller DR4	1			
36.2	5966219.001	Print Roller DR4-50	1	O		
36.3	5966218.001	Print Roller DR4-25	1	O		
-	9109296.001	Packaging	1			

Notes	200	EOS4 / 200, EOS4 / 200 C, EOS4 / 200 P
	300	EOS4 / 300, EOS4 / 300 C, EOS4 / 300 P
	M	for mains operation 100-240 VAC
	B	for battery operation 24 VDC
	O	Option



No.	Part No.	Description	PU	Notes	Serial No.	
					from	to
37.3	5966341.001	Cover	1			
38.2	5966350.001	Cutter Module	1			
39	5540637.001	Spring	1			
40	5965501.001	Gear Wheel Z12	1			
41	5541379.001	Gear Motor	1			

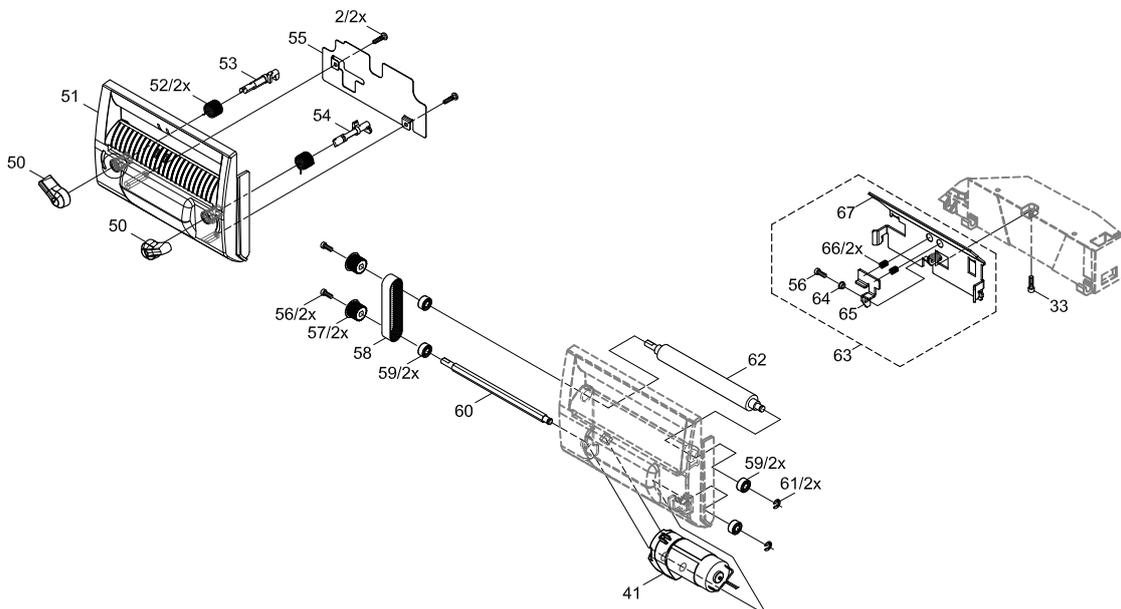
No.	Part No.	Description	PU	Notes	Serial No.	
					from	to
42	5965502.001	Shaft	1			
43	5965524.001	Blade	1			
44	5965528.001	Blade	1			
45	5906221.001	Spring	1			
46.2	5966912.001	Chassis	1			

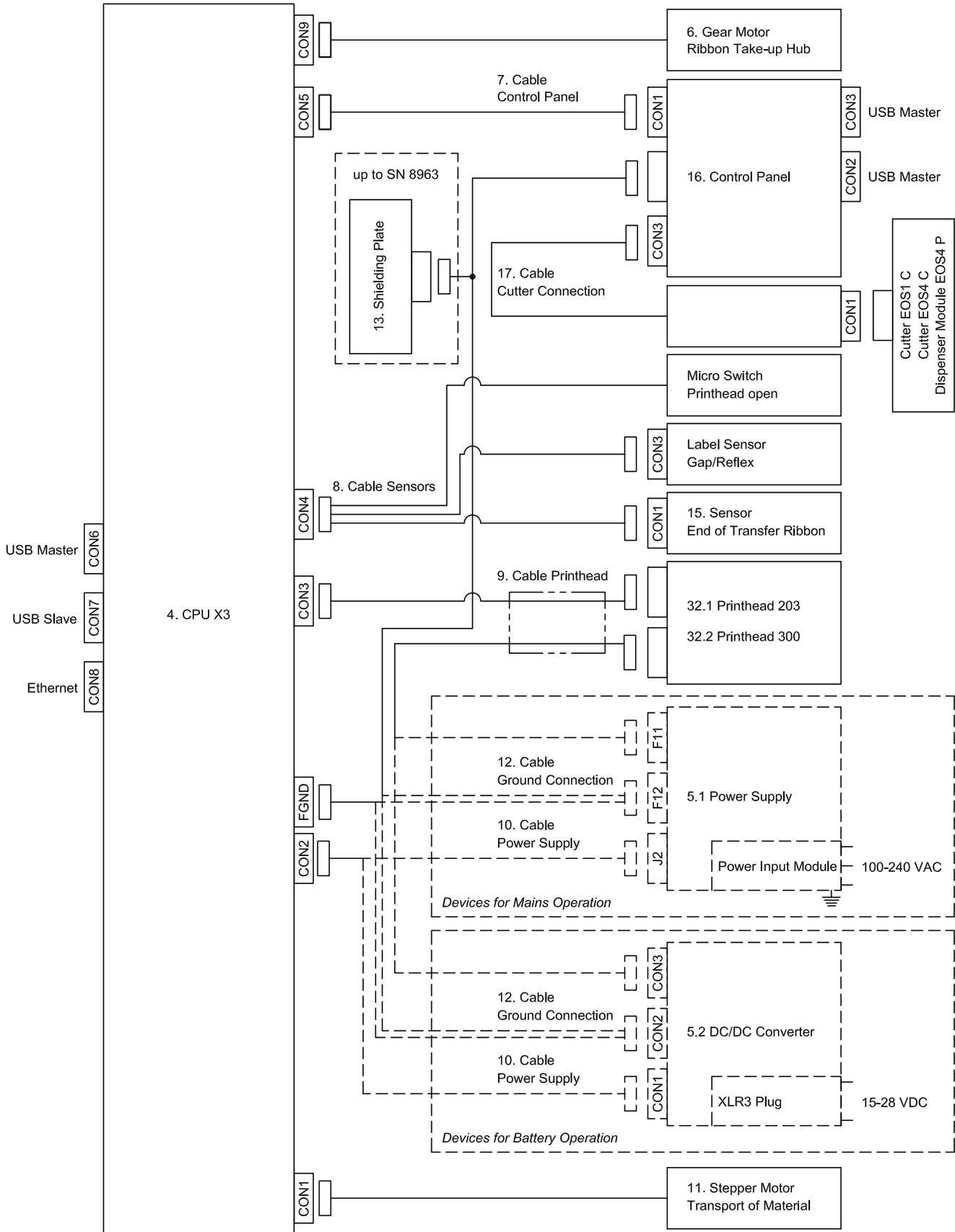


Spare Parts - Dispenser Module EOS4 P

No.	Part No.	Description	PU	Notes	Serial No.	
					from	to
2	5902414.001	Screw EJOT-PT-K30x12	10			
33	5902867.001	Screw DIN7984-M3x8	10			
41	5541379.001	Gear Motor	1			
50	5965273.001	Lever	1			
51	5965285.001	Cover	1			
52	5965261.001	Spring	1			
53	5965262.001	Latch	1			
54	5965263.001	Latch	1			
55	5965274.001	Cover	1			
56	5902838.001	Screw DIN7984-M3x6	10			
57	5965254.001	Gear 21	1			

No.	Part No.	Description	PU	Notes	Serial No.	
					from	to
58	5905567.001	Belt 68MXL 037	1			
59	5901082.001	Ball Bearing DIN625-685-ZZ	1			
60	5965255.001	Shaft	1			
61	5903525.001	E-Ring DIN6799-4	10			
62	5965252.001	Roller	1			
63	5965260.001	Dispense Plate	1			
64	5965259.001	Bushing	1			
65	5965258.001	Plate	1			
66	5905013.001	Spring	10			
67	5965257.001	Dispense Plate	1			
-	9109252.001	Packaging	1			





No.	Part. No.	Description	PU	Serial-No.	
				from	to
1	9009113.001	Operator's Manual EOS1 de/en	1		
2	9009118.001	DVD EOS	1		

Further technical documents are available on the internet at www.cab.de in the menu "Support & Downloads".

Tools

No.	Description	Type	Notes / Application	Figure
3	Torx screwdriver	TX10	replace printhead, adjust feed path of transfer ribbon	
4	Adjusting pliers flat-nosed, form A straight	135	dismount / mount of ground connections and springs	

Table 1 Tools

Test Equipment

No.	Description	Type	Notes / Application	Figure
5	Cylindrical dynamometer (spring scale) cab Part No. 5966017 to use with cylinder test collar Pos. 6	0-5 N	adjusting the winding torques transfer ribbon supply hub 1,6 - 2 N	
6	Cylinder Test Collar cab Part No. 5966016 approx. 1 m string with 30 N traction and not elastic) cab specific tools / test equipment		adjusting the winding torques transfer ribbon supply hub	

Table 2 Test Equipment

Auxiliary Materials

No.	Description	Type	Notes / Application	Figure
7	Grease (for plastic materials), cab Part No. 5966279		grease plastic materials	

Table 3 Auxiliary Materials

During printing operation the spring on the transfer ribbon supply hub functions as a brake. The braking force on the supply hub influences the transport of the transfer ribbon.

The braking force on the transfer ribbon supply hub is measured with a test collar.

The set values for the braking force at the test collar are:

Spring on	Direction of rotation	Braking Force
Transfer Ribbon Supply Hub	any direction	1,6 - 2,0 N

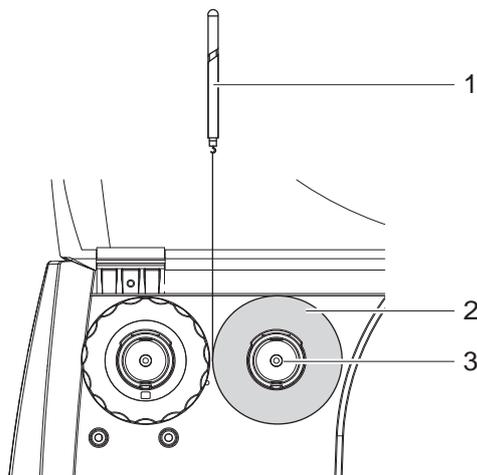


Fig. 1 Measure braking force on supply hub - outside wound transfer ribbon

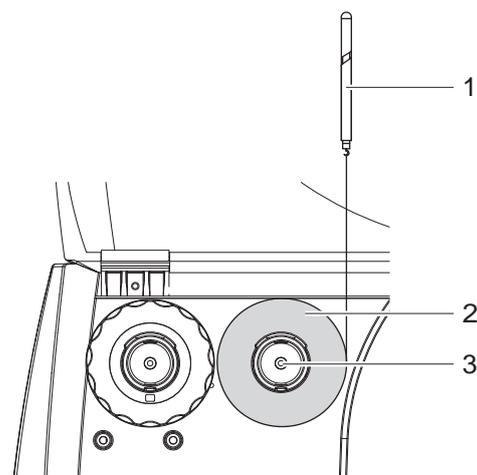


Fig. 2 Measure braking force on supply hub - inside wound transfer ribbon

1. Remove transfer ribbon from the printer.
2. Put test collar (2) on the supply hub (3).
3. Wind the cord around the test collar several times.
4. Secure spring scale (1) at the end of the cord.
5. Pull at the spring scale until the supply hub begins turning.
6. Allow the cord to unwind from the test collar at least one full turn and read the pulling force on the spring scale at the same time.
7. Compare the braking force with the set values.

Adjustments

The following adjustments are described in the Operator's Manual:

- Setting the feed path of the transfer ribbon

**Danger!**

Risk of death via electric shock!

- ▶ Before opening the rear cover, disconnect the device from the mains supply and wait at least one minute until the power supply unit has discharged.

Tear-off Plate / Cutter / Printhead / Print Roller

Replacement and mounting of these units are described in the ▷ Operator's Manual EOS.

Casing

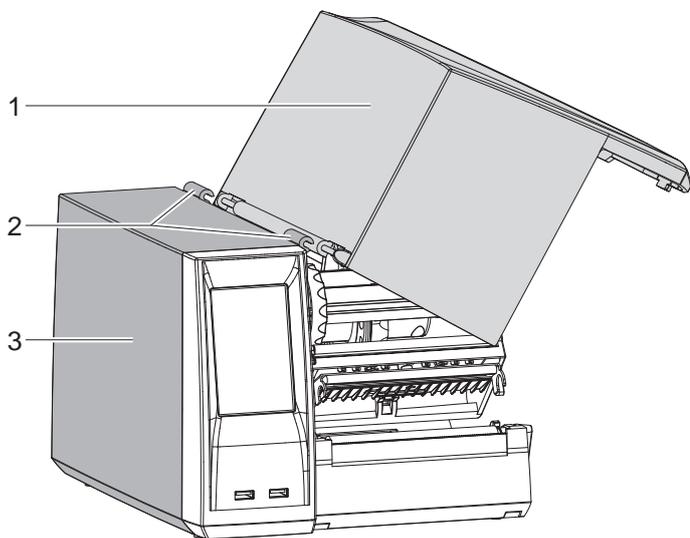


Fig. 3 Removing the cover

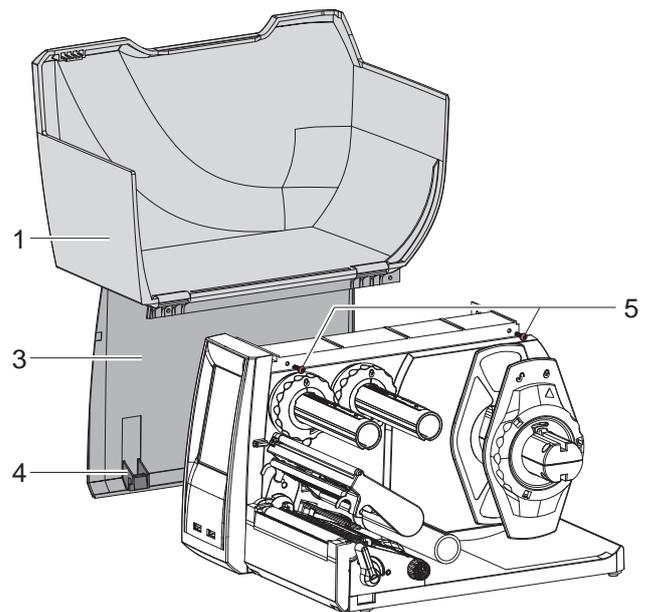


Fig. 4 Removing / mounting the casing

Removing the cover

- ▶ Lift the cover (1) by turning by 60°.
- ▶ Push the cover out of the hinges (2) of the cover plate (3) diagonally to the ground.

**Notice!**

For service work it is recommended to remove the casing consisting of cover (1) and cover plate (3) connectedly. It is not necessary to separate the cover from the cover plate.

Removing the casing

- ▶ Open the cover (1).
- ▶ Loosen 2 screws (5).
- ▶ Push the cover plate (3) with the cover (1) to the connector side.
- ▶ Lift the cover plate (3) with the cover (1) from the printer.

Mounting the casing

- ▶ Insert the hooks (4) into the slot of the bottom and push the casing to the control panel side.
- ▶ Fix the cover plate with 2 screws (5).

Control Panel

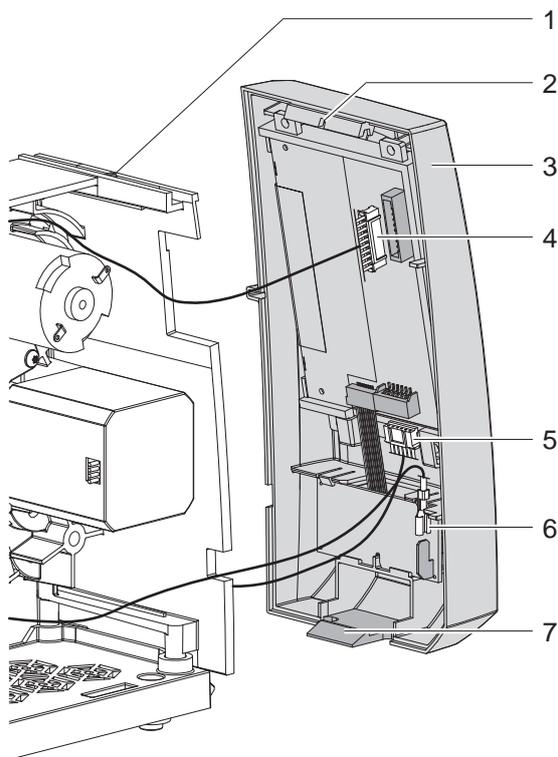


Fig. 5 Removing / mounting the control panel

Removing

- ▶ Remove the casing.
- ▶ Unlock the control panel (3) at the latch (7) swing it away from the printer and remove it by lifting.
- ▶ Unplug the connectors of the display cable (4), the cutter connection cable (5) and the ground connection cable (6).

Mounting

- ▶ Re-connect the cables (4 to 6).
- ▶ Hook the slot (2) of the cover into the guide (1) and press the control panel against the printer until the latch (7) clicks into place.
- ▶ Mount the casing.

Transport Module

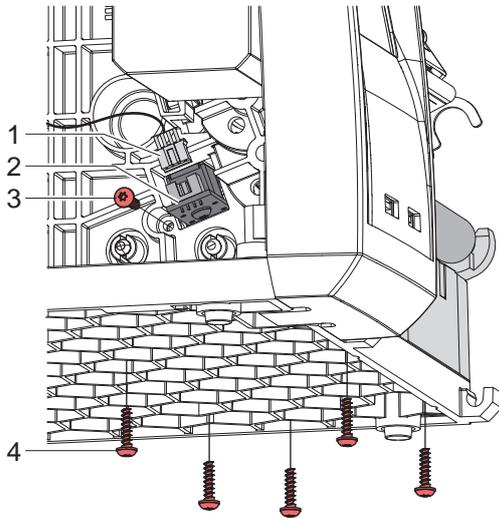


Fig. 6 Removing / mounting transport module 1

Removing

- ▶ Remove the tear-off plate/cutter.
- ▶ Remove the casing.
- ▶ Unplug the connector (1) of the label sensor (2).
- ▶ Move the label sensor as far as possible to the operator's side ▷ Operator's Manual.
- ▶ Remove screw (3) and 5 screws (4).

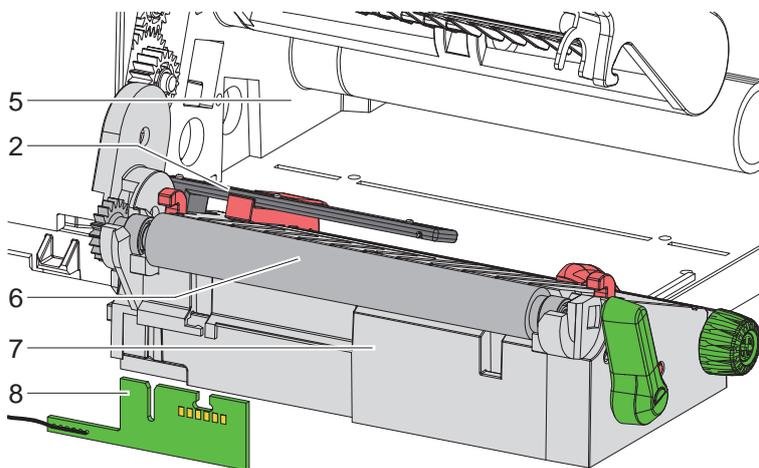


Fig. 7 Removing / mounting transport module 2

- ▶ If the printer is equipped with a cutter connection cable :
 - Remove control panel.
 - Unplug connector (5 / fig. 5) from the control panel.
- ▶ Remove the transport module (7) with the printing roller (6) by tilting from the chassis (5).
- ▶ Pull the cutter connection cable (8) downward out of the transport module (7).

Mounting

- ▶ Mount the assembly units in reverse order.

Stepper Motor

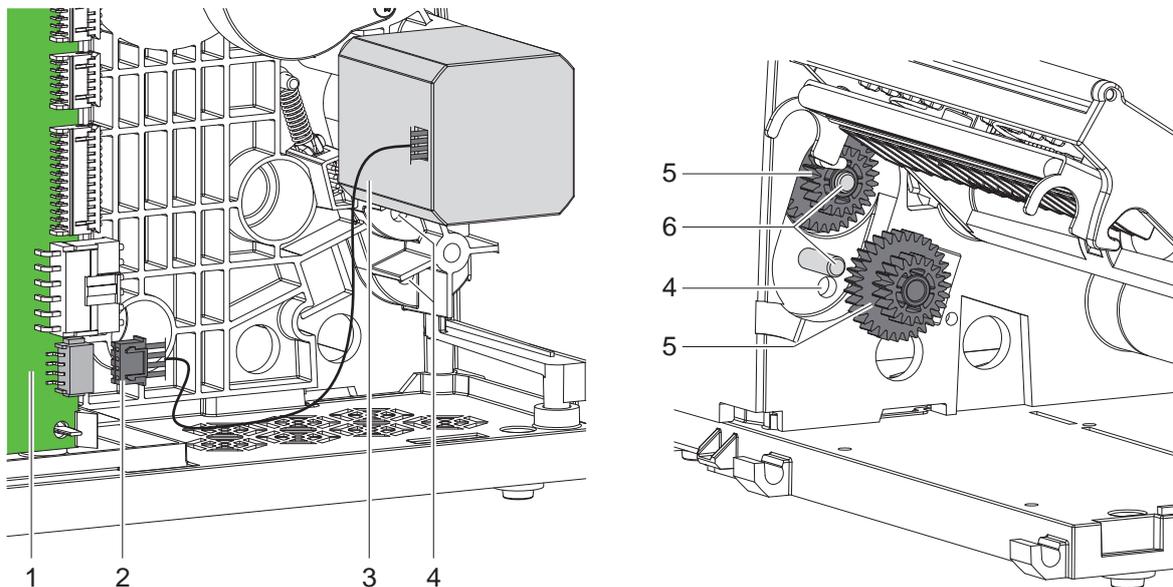


Fig. 8 Removing / mounting stepper motor 1

Removing

- ▶ Remove the casing
- ▶ Remove the transport module.
- ▶ Unplug the connector (2) of the stepper motor (3) from the CPU (1).
- ▶ Remove the gearwheels (5) from the axles (6).



Notice!

The gearwheels (5) are reachable from the inner side of the chassis through the holes (4) with a pointed tool and can be pushed that way from the axles.

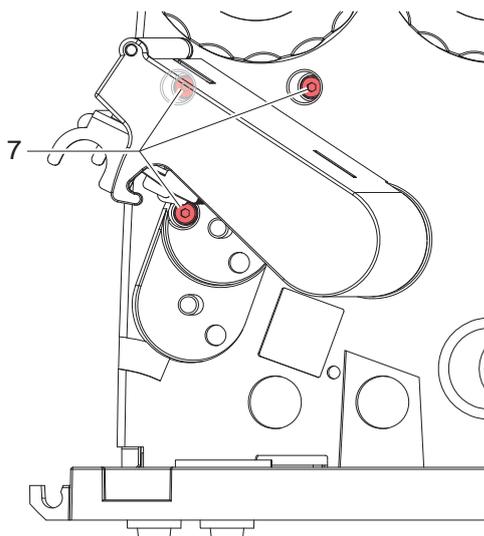


Fig. 9 Removing / mounting stepper motor 2

- ▶ Loosen 3 screws (7) and remove the stepper motor (3).

Mounting

- ▶ Mount the assembly units in reverse order.

Printhead Holder

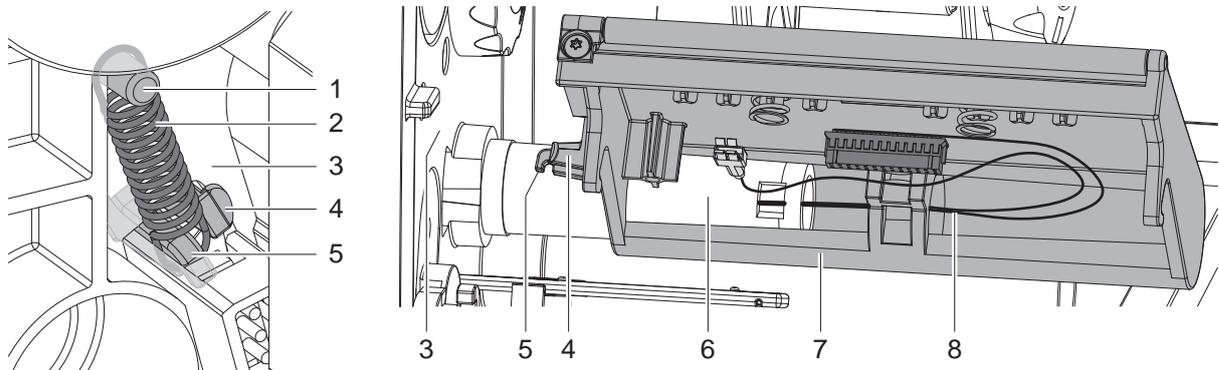


Fig. 10 Removing / mounting printhead holder

Removing

- ▶ Remove the casing.
- ▶ Remove the printhead.
- ▶ Remove the spring (2) from the spring bolt (1).
- ▶ Lift the printhead holder (7), unlock the latch (4) and push the printhead holder with the spring (2) to the operator's side out of the chassis (3).
- ▶ Remove the printhead holder (7) with the spring (2) completely from the retainer (6). In doing so remove the printhead cable (8) from the printhead holder.
- ▶ Keep the spring (2).

Mounting

- ▶ Push the printhead holder (7) onto the retainer (6). In doing so insert the printhead cable (8) into the printhead holder.
- ▶ Push latch (4) and spring hook (5) of the printhead holder through the gap of the chassis (3).



Notice!

For the following mounting of the spring (2) it is recommended to push the printhead holder in a position, where the latch (4) is clamped by the chassis but not completely locked yet.

- ▶ Mount the spring (2) onto the spring hook (5).
- ▶ Push the printhead holder (7) further until the latch (4) clicks into place.
- ▶ Mount the spring (2) onto spring bolt (1).
- ▶ Mount the printhead.
- ▶ Mount the casing.