



743-221-01

Additional Instructions

Small hook

IMPORTANT
READ CAREFULLY BEFORE USE
KEEP FOR FUTURE REFERENCE

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1 Components of the parts set

Check whether the scope of delivery for parts set 0743 590604 is correct prior to upgrade.

Components of the parts set

Part no.	Quantity	Description
0271 001991	1	Hook - remaining thread
0271 002003	3	Bobbin - remaining thread
0743 490300	1	Holder
9203 003097	2	Screws M3x16
9203 123687	2	Screws M4x8
9840 121001	2	Cable tie
B2100743.11	1	Reflection light barrier
0791 743700 EN	1	Additional Instructions

2 Removing the old hook

WARNING

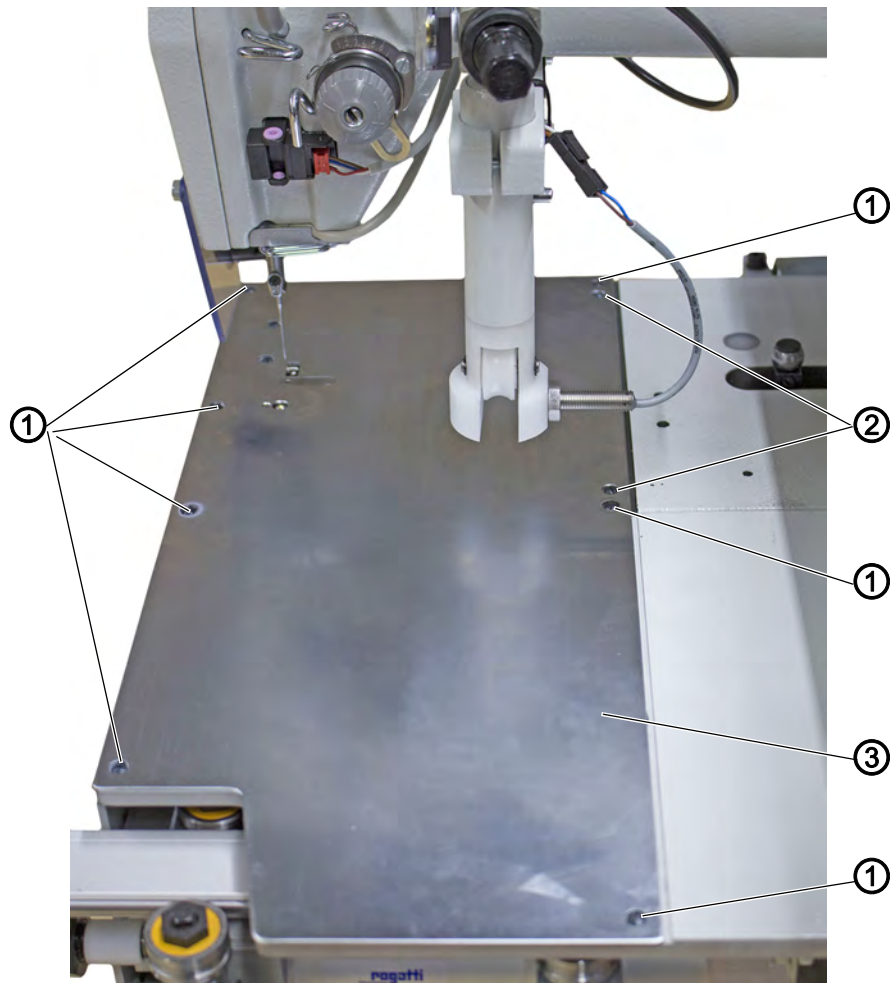


Electric shock from live components!

Severe injury to life and limb can occur.

The hook may only be fitted by qualified specialists. Switch off the machine and pull the power plug. Make sure the power plug cannot be accidentally plugged back in.

Fig. 1: Removing the old hook I



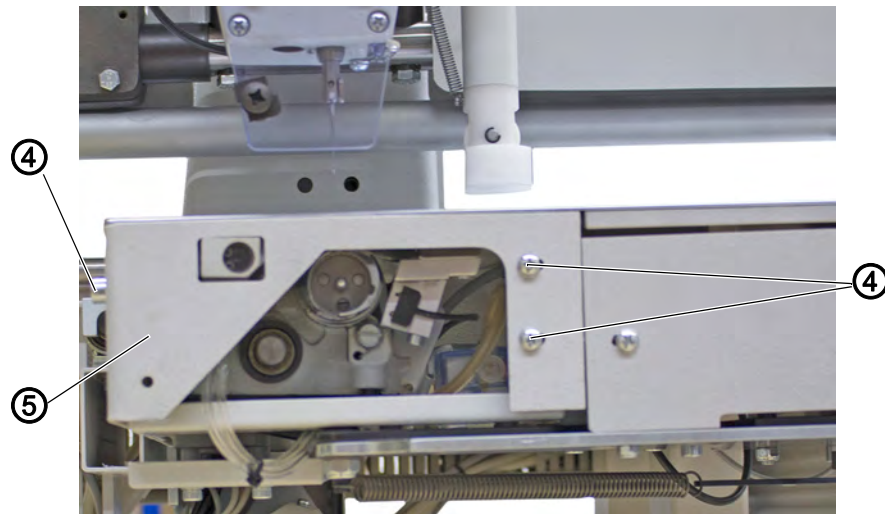
(1) - Screws
(2) - Screws

(3) - Sliding plate



1. Loosen the 7 screws (1) of the sliding plate (3).
CAUTION: Do not loosen the inner screws (2) as you will otherwise have to readjust throat plate and needle penetration.
2. Remove the sliding plate (3).

Fig. 2: Removing the old hook II

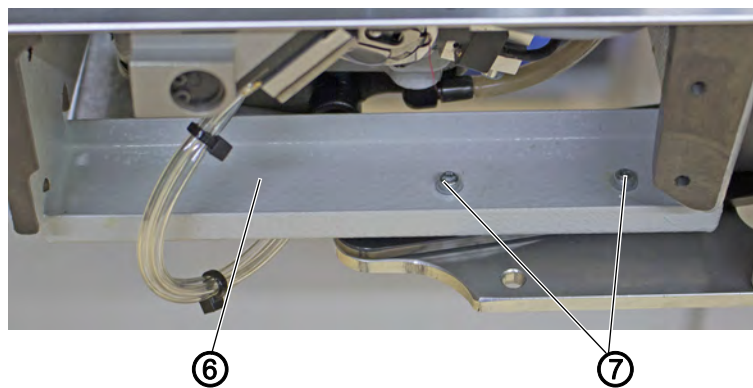


(4) - Screws

(5) - Cover

3. Loosen the 4 screws (4) of the cover (5) and remove the cover (5).

Fig. 3: Removing the old hook III



(6) - Oil sump

(7) - Screws

4. Loosen the 2 screws (7) in the oil sump (6), making sure not to lose the spacer sleeves underneath.
5. Remove the oil sump (6).

Fig. 4: Removing the old hook IV

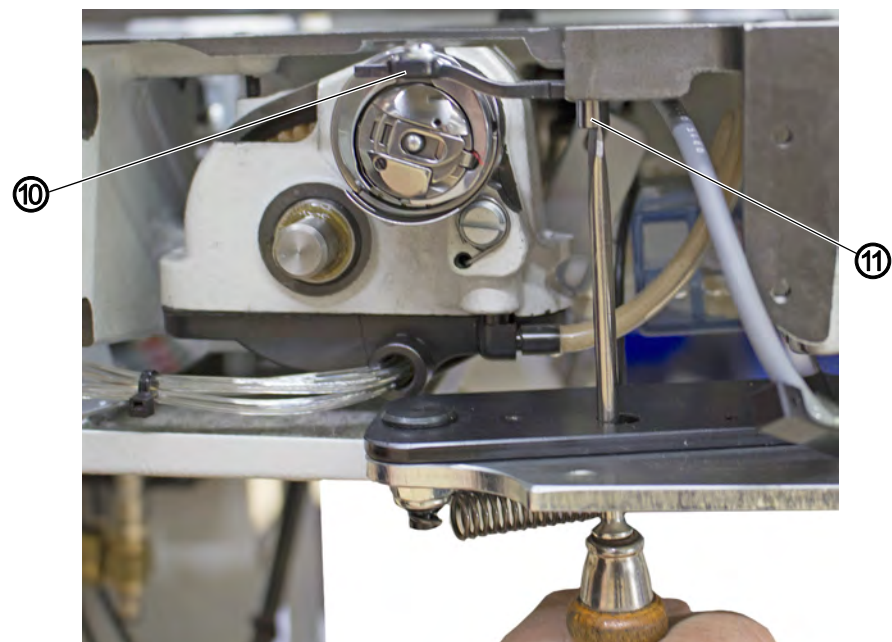


(8) - Holder

(9) - Screw

6. Loosen the screw (9) on the holder (8) of the remaining thread monitor.
7. Take off the holder (8) along with the remaining thread monitor. You can now disconnect the remaining thread monitor as it is no longer needed for the small hook.

Fig. 5: Removing the old hook V



(10) - Bobbin case holder

(11) - Screw

8. Loosen the screw (11) on the bobbin case holder (10).
9. Remove the bobbin case holder (10).

NOTICE

Property damages may occur!

Turning the handwheel too forcefully may cause the needle to break.

Remove the needle or turn the handwheel carefully to prevent the needle from breaking.

Fig. 6: Removing the old hook VI



(12) - Cutout

10. Turn the handwheel until a setscrew becomes visible in the cutout (12).
11. Loosen the setscrew.
12. Turn the handwheel further until the second setscrew becomes visible in the cutout (12).
13. Loosen the second setscrew as well.
14. Pull the old hook forward and off the shaft.

3 Installing the new hook

WARNING



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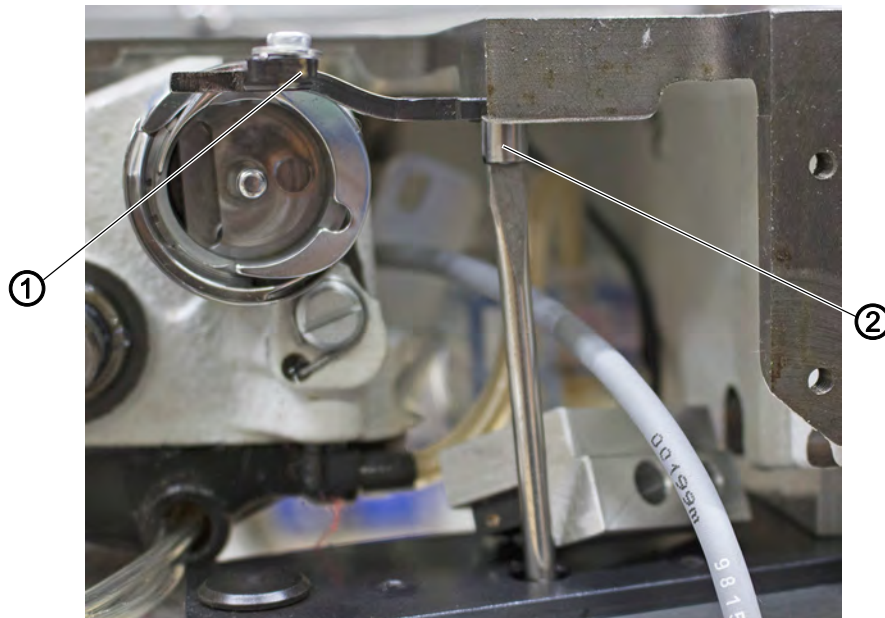
1. Slip the new hook onto the shaft from the front.
2. Fix the hook in place through the cutout by tightening the 2 setscrews one at a time.
3. Adjust the hook,  *Service Instructions 743-221-01*.

Fig. 7: Installing the new hook I

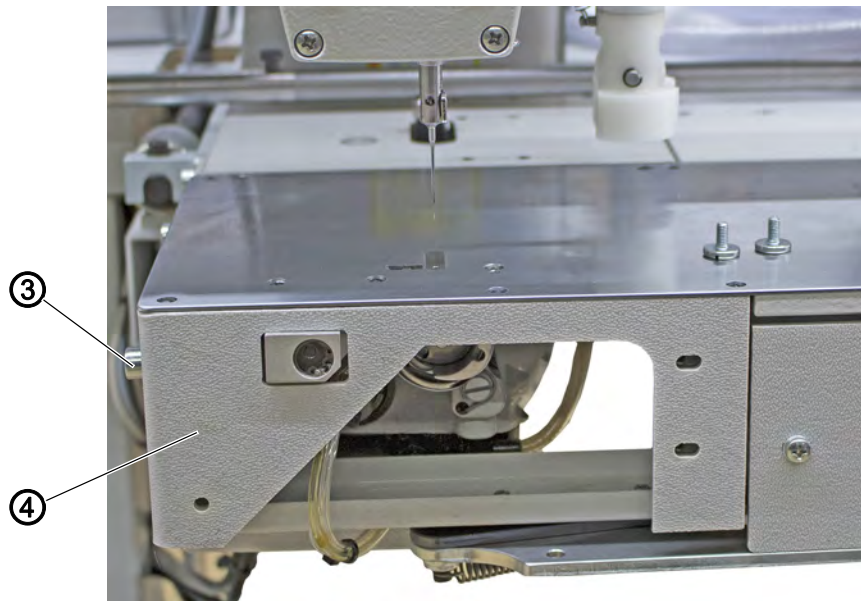


(1) - Bobbin case holder

(2) - Screw

4. Fit the bobbin case holder (1) using the screw (2)
5. Fit the oil sump using the 2 screws, making sure that the spacer sleeves are in place between the oil sump and its contact surface.

Fig. 8: Installing the new hook II

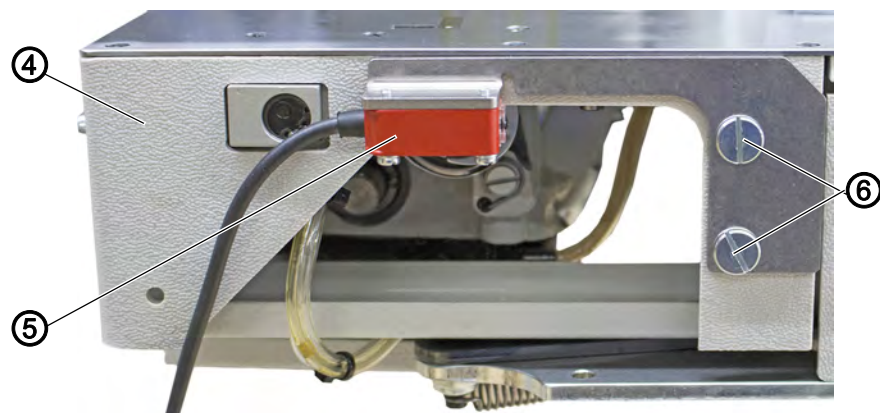


(3) - Screws

(4) - Cover

6. Mount the new remaining thread monitor (5) to the angle using 2 screws.
7. Fit the cover (4) using the two screws (3) on the side of the machine.

Fig. 9: Installing the new hook III



(4) - Cover

(5) - Remaining thread monitor

(6) - Screws

8. Fix the remaining thread monitor (5) and the cover (4) in place on the machine using two new screws (6).

4 Laying the cables of the remaining thread monitor

WARNING

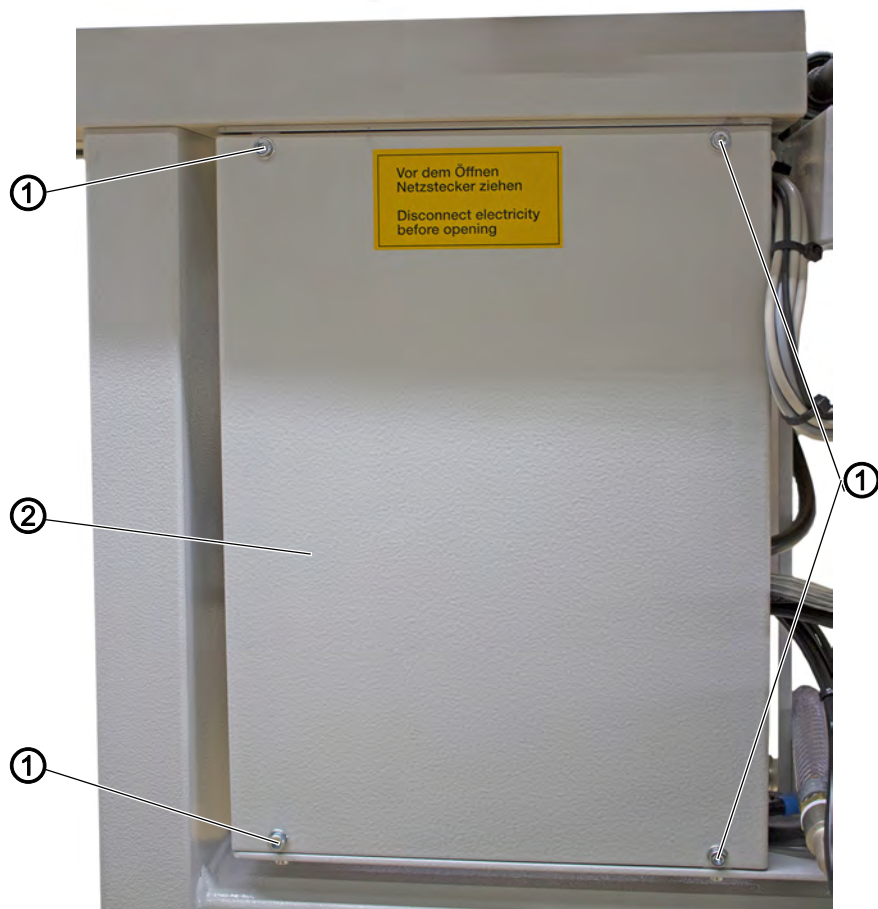


Electric shock from live components!

Severe injury to life and limb can occur.

The hook may only be fitted by qualified specialists.
Switch off the machine and pull the power plug.
Make sure the power plug cannot be accidentally plugged back in.

Fig. 10: Laying the cables of the remaining thread monitor I



(1) - Screws

(2) - Cover



1. Loosen the 4 screws (1) and remove the cover (2).
2. Swivel up the machine.

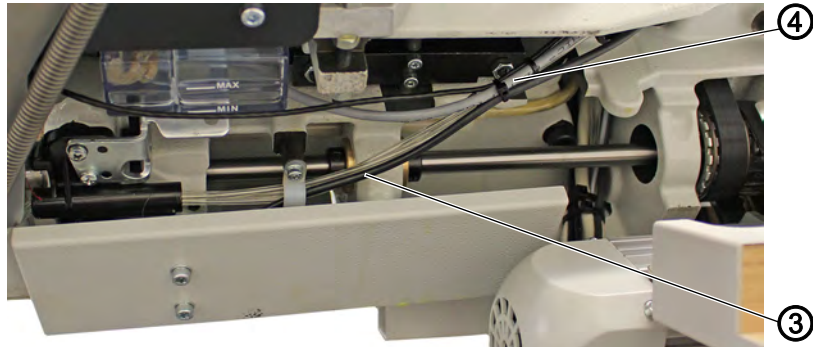
NOTICE

Property damages may occur!

If laid incorrectly, cables may sustain damage and, in consequence, impair the operation of the machine.

Route the cables so that they will not chafe or become pinched.

Fig. 11: Laying the cables of the remaining thread monitor II

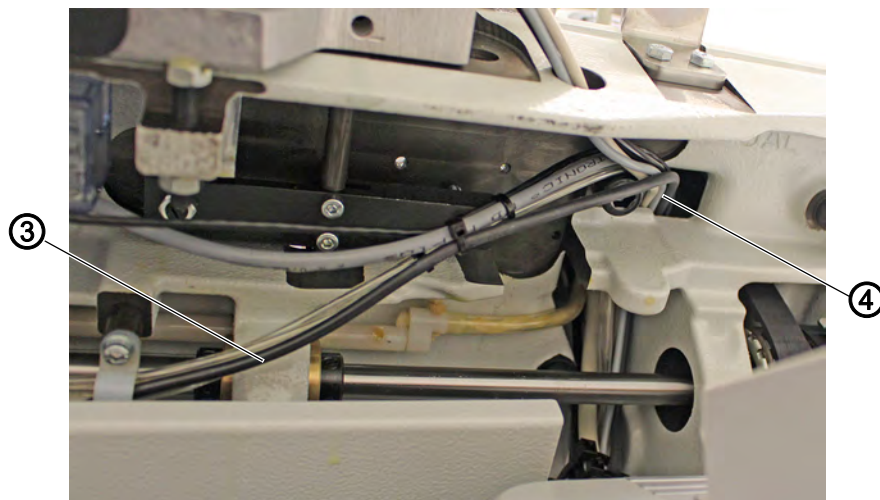


(3) - Cables

(4) - Cable harness

3. Lay (3) the cables of the remaining thread monitor along the existing cable harness (4).

Fig. 12: Laying the cables of the remaining thread monitor III

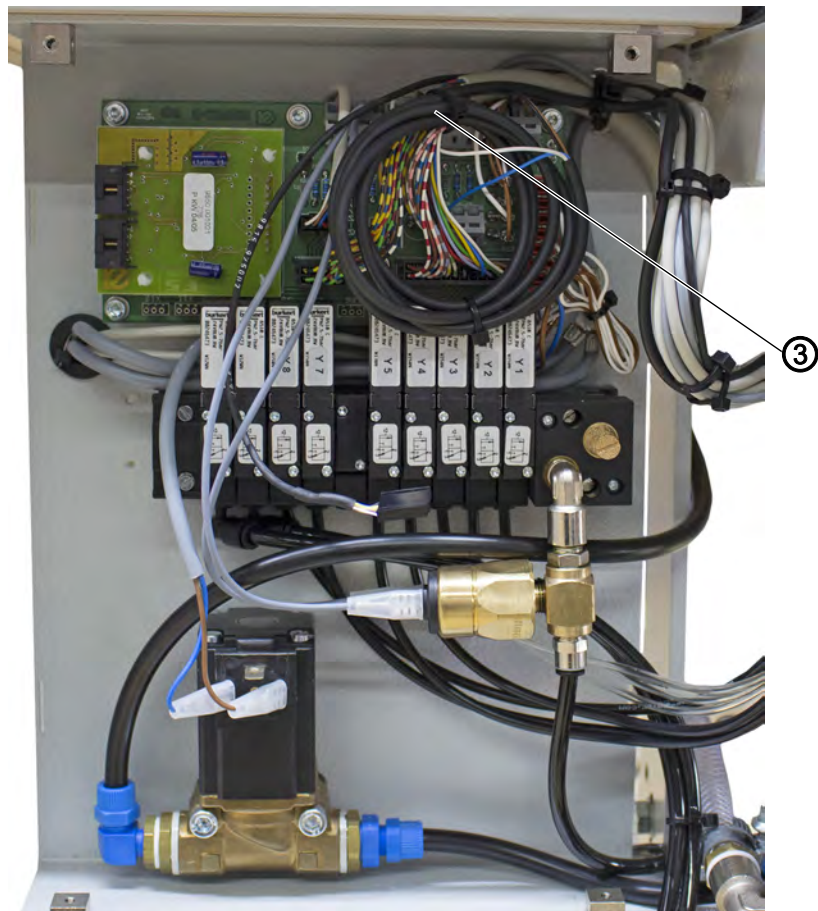


(3) - Cables

(4) - Cable harness

4. Fix cables (3) in place on the existing cable harness (4) using cable ties.
5. Swivel down the machine.

Fig. 13: Laying the cables of the remaining thread monitor IV




(3) - Cables

6. Lay excess lengths of cable (3) in loops and fix them in place using cable ties.
7. Connect the cables (3) of the remaining thread monitor as specified in the interconnection diagram.

Cable color	Connection
brown	PIN1 (X16)
black	PIN2 (X16)
blue	GND (X19)
white	PIN1 (X16)

5 Activating the new hook



1. Switch on the machine.
↳ The display shows error message 4900.
2. Switch to service mode on the control panel,  *Service Instructions 743-221-01*.
3. Activate the small hook by opening the menu *Machine config - Bobbin - Bobbin monitor - Small hook*.
4. Exit service mode.
↳ The machine is ready for use.

6 Appendix

Fig. 14: Interconnection diagram (1)

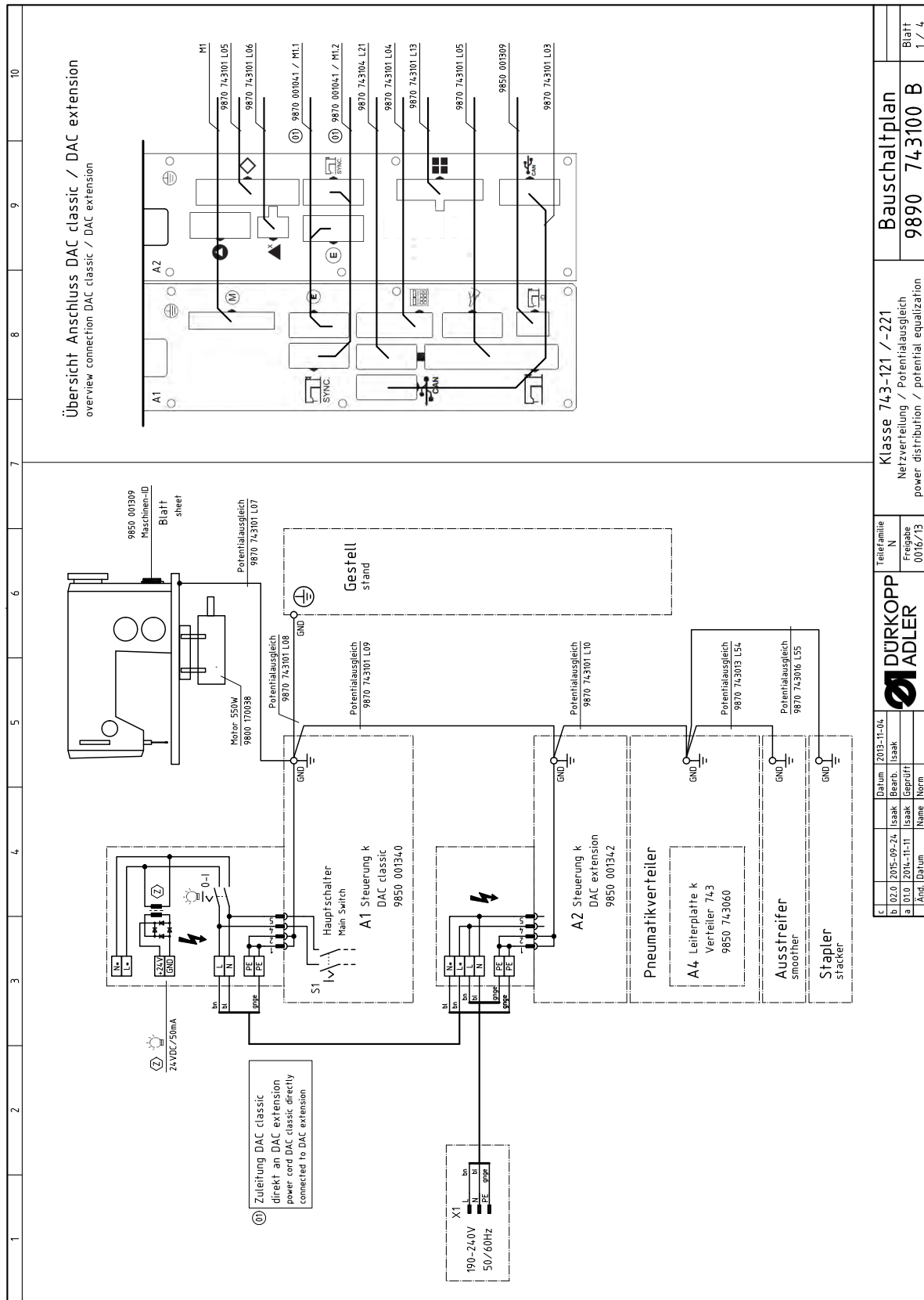
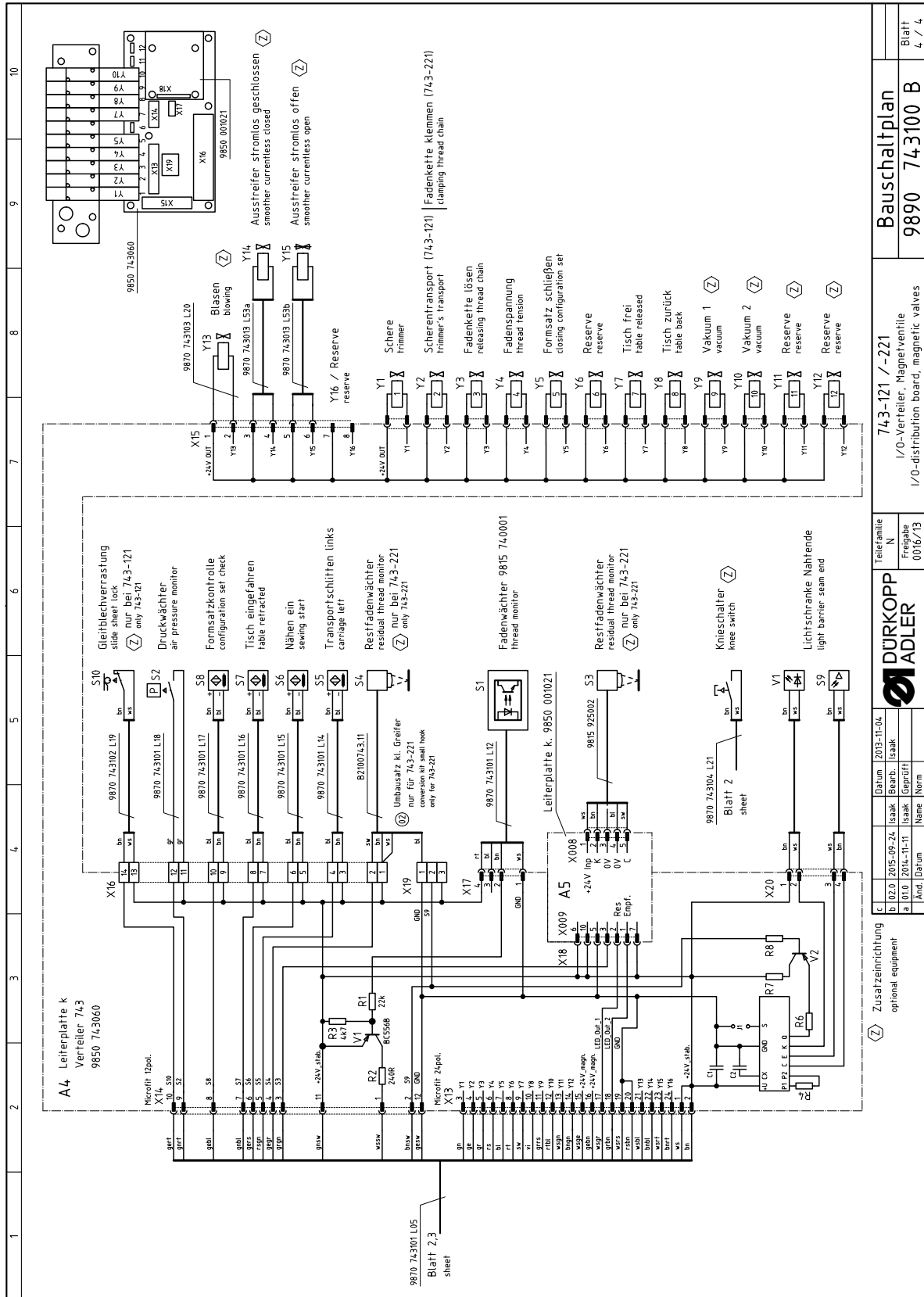


Fig. 17: Interconnection diagram (4)



Blatt 2.3 sheet		Blatt 4 / 4	
Zusatzzeile optional equipment		Bauschaltplan	
Datei: 2013-11-04		9890 743100 B	
Datum: 2013-11-04		743-121 / -221	
Bearb.: Isaak		I/O-Verteiler, Magnventile	
Geprüft: Isaak		I/O-distribution board, magnetic valves	
Name: Norm		Blatt 4 / 4	
Norm: Norm		Blatt 4 / 4	
Anz. Datum:		Blatt 4 / 4	
Anz. Datum:		Blatt 4 / 4	



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