DÜRKOPP ADLER

906

Additional Instructions

Attaching the Bar Code Scanner

IMPORTANT
READ CAREFULLY BEFORE USE
KEEP FOR FUTURE REFERENCE

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1 Scope of delivery

Check whether the scope of delivery of the parts set **0911 597804** is correct prior to the attachment.

Components of the parts set

Part no.	Quantity	Description
0791 906702	1	Additional instructions
0911 494030	1	Holder
0911 494040	1	Holder
9202 002877	1	Cylinder-head bolt M6x10
9203 003737	3	Cylinder-head bolt M4x25
9204 201647	1	Pan-head screw M4x6
9223 000930	2	Cylinder-head bolt M1.6x5
9830 501025	3	Spacer sleeve
9840 121001	10	Cable tie
9850 911004	1	Level converter
9850 911005	1	Circuit board
9850 911006	1	Bar code scanner
9870 906006	1	Cable set

2 Bar code types

The following bar code types can be read by the bar code scanner:

- Code 128
- Code 39

These bar code types can be created with freeware software. Observe that the bar code must consist of 3 to 10 characters (incl. spaces).

However, you can also use the bar codes provided on the last page.

3 Fitting the parts set

DANGER

Danger of electric shock due to live parts!

Serious injuries to life and limb.

The bar code scanner may be attached only by qualified technicians.

Switch off the machine and pull the power plug.

Make sure the power plug cannot be accidentally plugged back in.

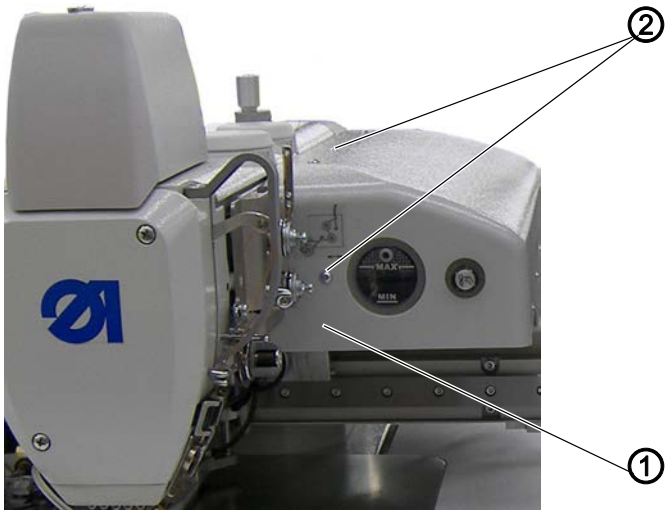
Requirements:

- Switch off the machine.
- Unplug the power plug.

3.1 Removing the covers

1. Loosen the screws (2).

Fig. 1: Right cover, front view

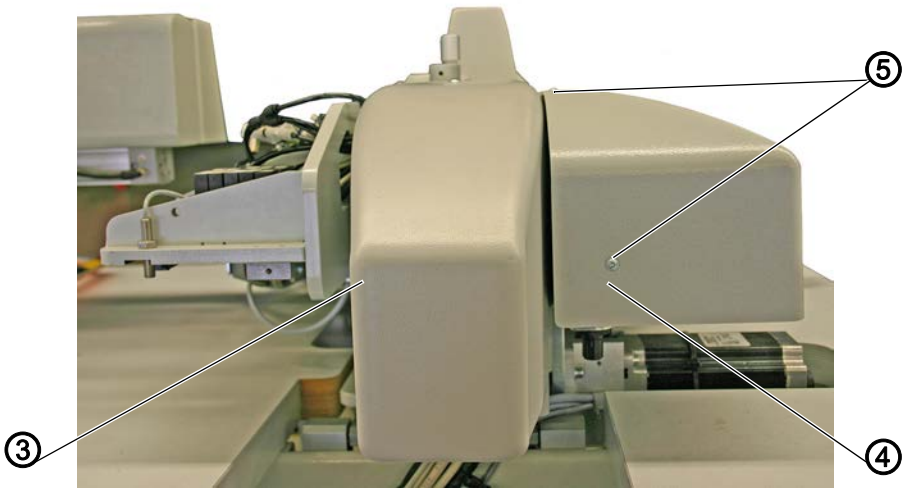


(1) - Right cover *(2) - Screws*

2. Remove the cover (1).

3. Loosen the screws (5).

Fig. 2: Left cover, rear view

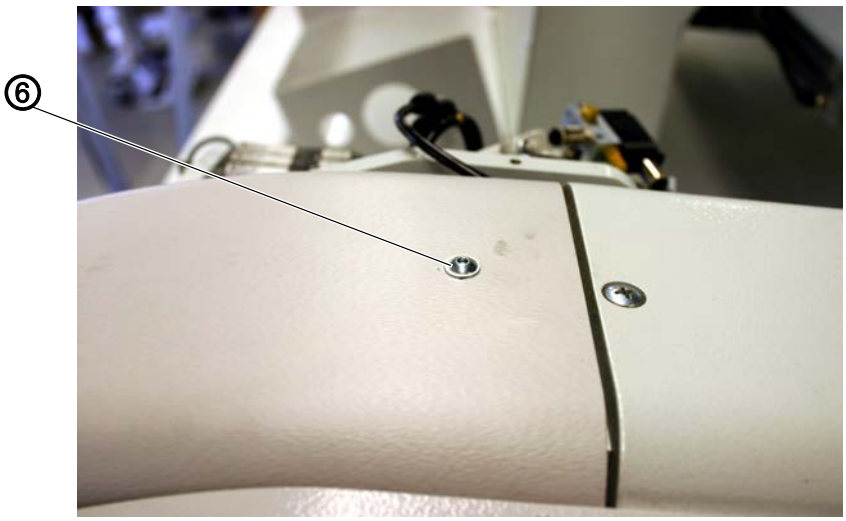


(3) - Rear cover
(4) - Cover
(5) - Screws

4. Remove the cover (4).

5. Loosen the screws (6).

Fig. 3: Rear cover



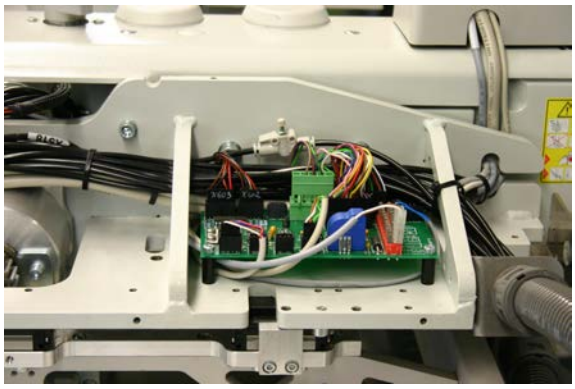
(6) - Screw

6. Remove the rear cover (3).

You can begin with the installation and the connection of the circuit board.

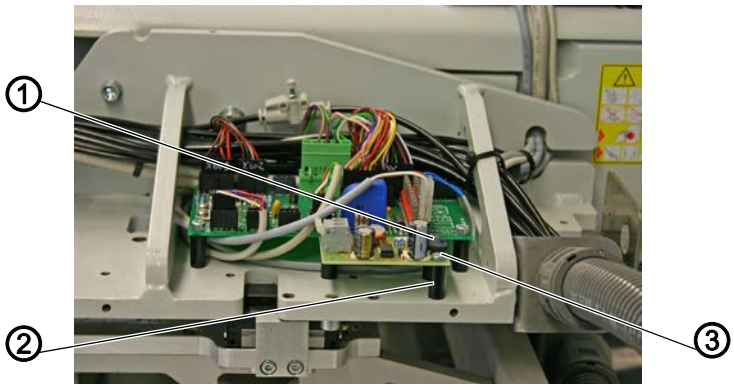
3.2 Fitting and connecting the power supply

Fig. 4: Side without power unit



1. Fit the circuit board with power supply (1) with spacer sleeves (2) and **M4x25** cylinder-head bolts (3).

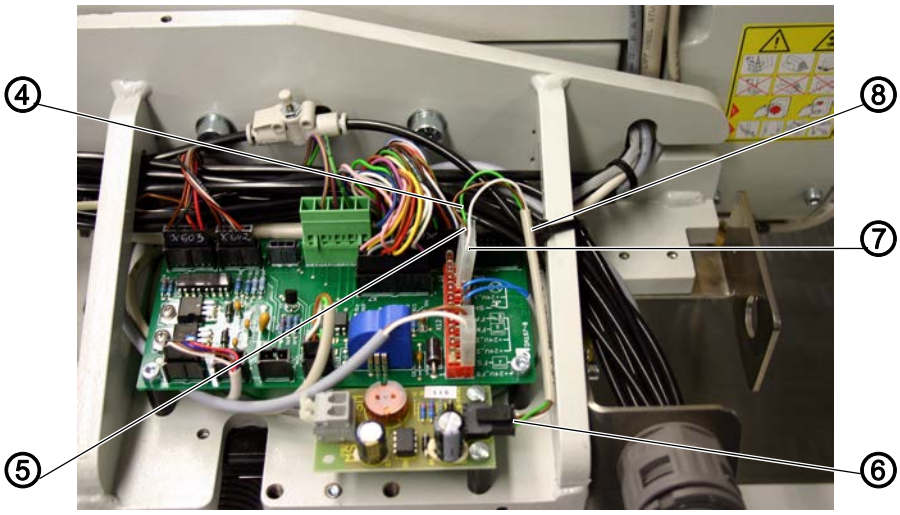
Fig. 5: Side with power supply



(1) - Power pack
(2) - Spacer sleeve
(3) - Cylinder-head bolt

2. Connect the cable (0.2 m) (8) from the cable set with the 3-pin plug connection (6) of the power supply.
3. Connect the cable (8) to the 10-pin flat plug of the circuit board:
   White core (7) to 8 (+24 V^{-1})
   Brown core (5) to 9 (Y9)
   Green core (4) to 10 (GND)

Fig. 6: Connecting the cable

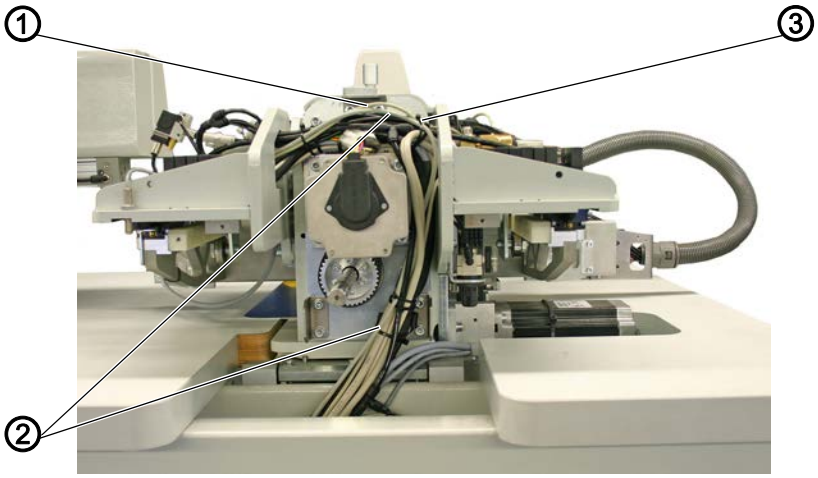


(4) - Green core
(5) - Brown core
(6) - 3-pin plug connection
(7) - White core
(8) - Cable

3.3 Laying and connecting supply lines

1. Lay the supply lines from the cable set on the side cover to the side cover parallel to the cable harness to allow supply line A (1.2 m) (1) to be connected with the white and brown core to the power supply and supply line B (2.2 m) (2) to the controller (page 9.).
2. Fasten the supply lines with cable ties (3) to the cable harness at the rear.

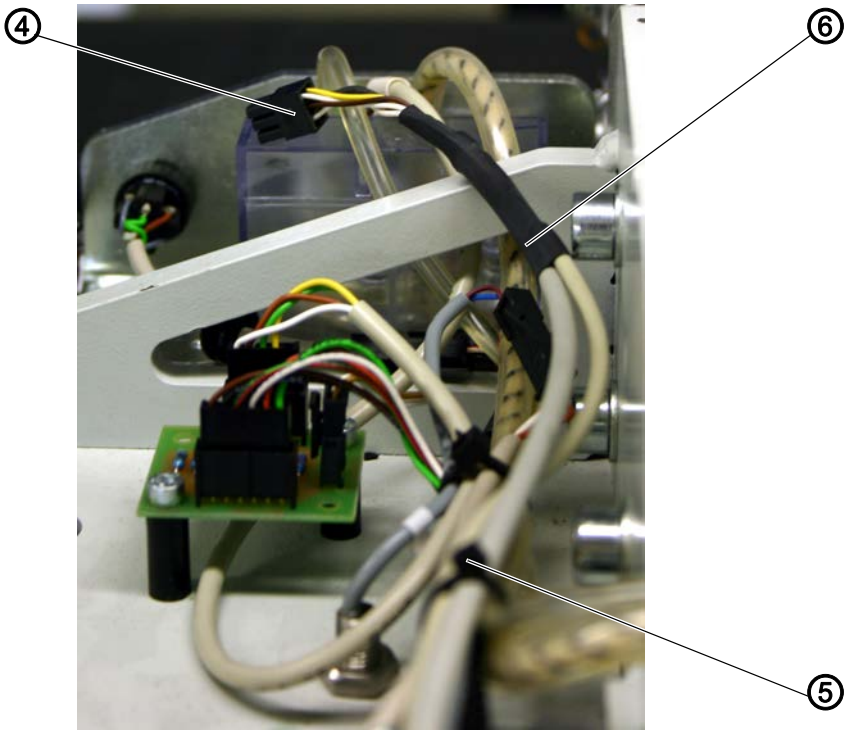
Fig. 7: Laying supply lines, rear view



(1) - Supply line A
(2) - Supply line B
(3) - Cable tie

3. Lay supply lines with a 6-pin pin strip (4) to the point where the bar code scanner is to be fitted.
4. Fasten the supply lines (6) with cable ties (5) to the cable harness on the right.

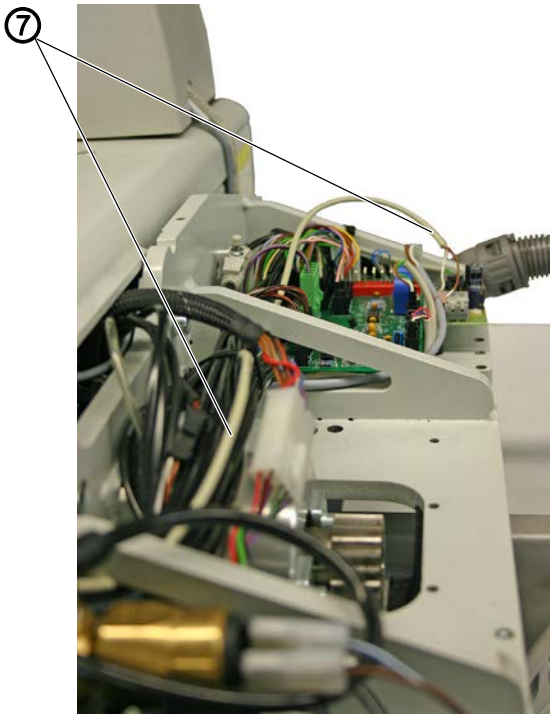
Fig. 8: Laying supply lines to the bar code scanner, rear view



(4) - 6-pin pin strip
(5) - Cable tie
(6) - Supply line

5. Lay supply line A (7) in parallel to the cable harness on the left and fasten it with cable ties.

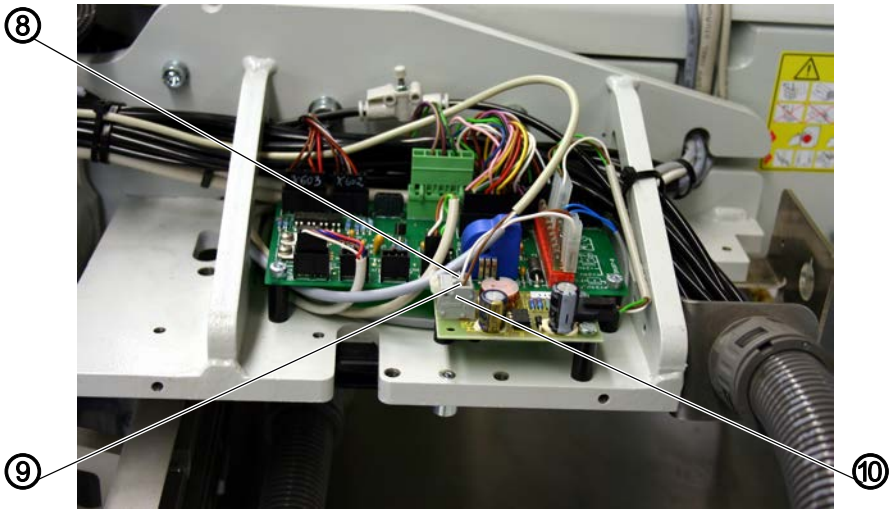
Fig. 9: Laying supply line A, rear view



(7) - Supply line A

6. Connect the white (8) and brown core (9) of supply line A with the spring clips (10) of the power supply:
   White core to WS (+ VCC)
   Brown core to SW (0 V)

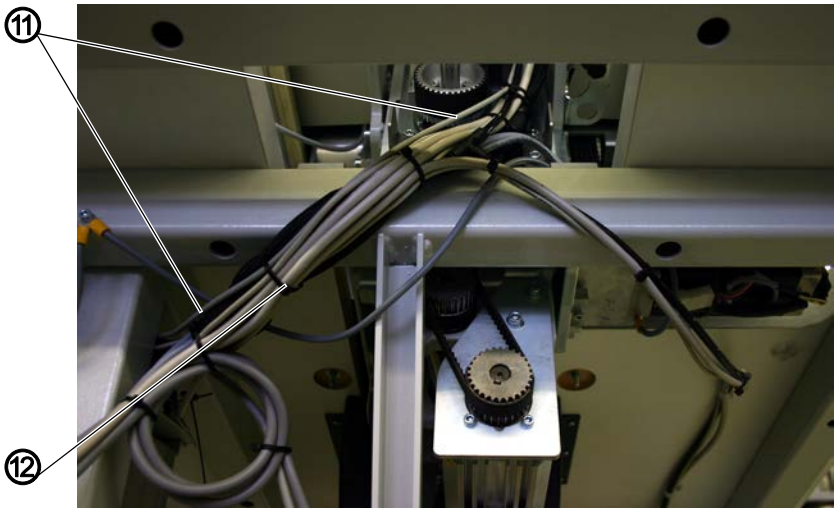
Fig. 10: Connecting supply line A



(8) - White core
(9) - Brown core
(10) - Spring clips

7. Fasten supply line B (11) to the outside of the cable harness with cable ties (12).
8. Lay supply line B to the controller.

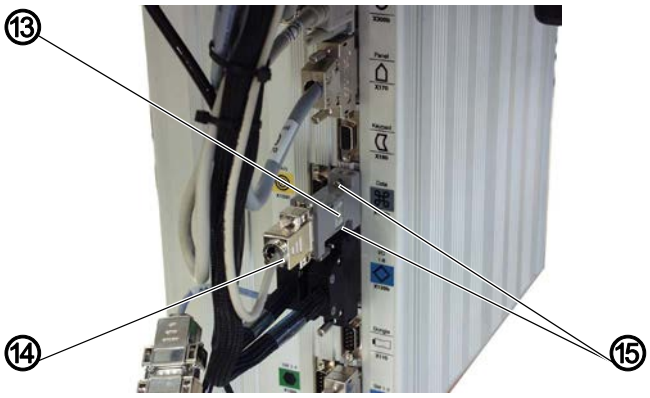
Fig. 11: Laying supply line B



(11) - Supply line B
(12) - Cable tie

9. Screw the level converter (13) with plug (14) tight, insert it in the **X150b** socket on the controller and screw it tight with the screws (15).

Fig. 12: Fitting the level converter



(13) - Level converter
(14) - Plug
(15) - Screws

3.4 Fitting the holder and bar code scanner

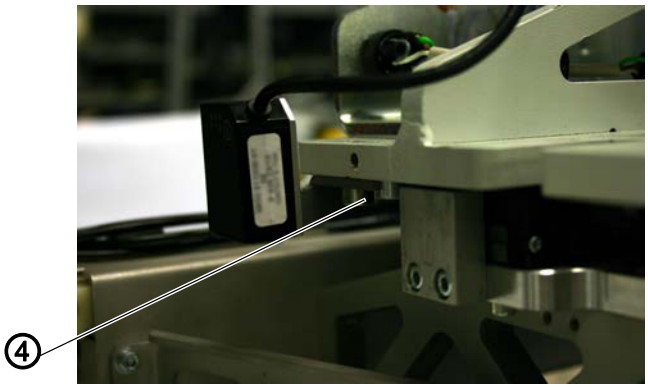
1. Fit the bar code scanner **9850 911006** with **M1.6x5** cylinder-head bolts (covered) to the holder **0911 494030** (1).
2. Fit the holder (1) with pan-head screw (3) on the holder **0911 494040** (2).

Fig. 13: Fitting the bar code scanner

(1) - Holder
(2) - Holder
(3) - Pan-head screw

3. Fit the holder (2) with an **M1.6x5 (**4) cylinder-head bolt onto the transport carriage.

Fig. 14: Fitting the holder on the transport carriage

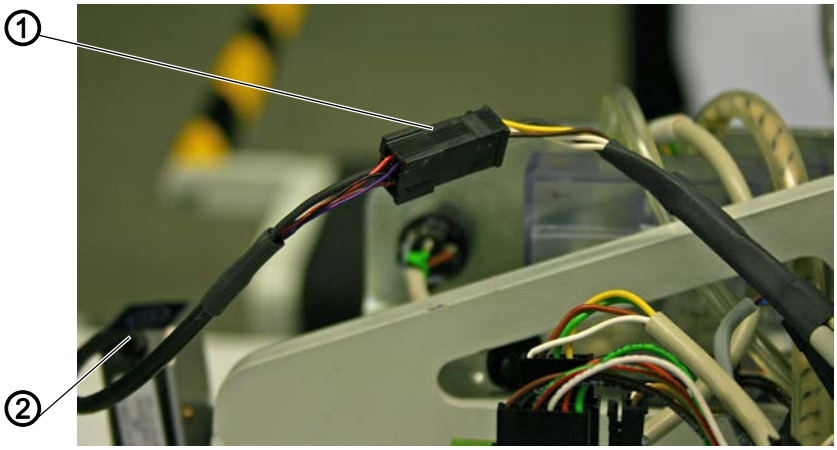


(4) - Cylinder-head bolt

3.5 Connecting the bar code scanner

1. Establish a plug connection (1) with a 6-pin pin strip from the supply lines and a 6-pin socket strip from the bar code scanner (2).

Fig. 15: Connecting the bar code scanner

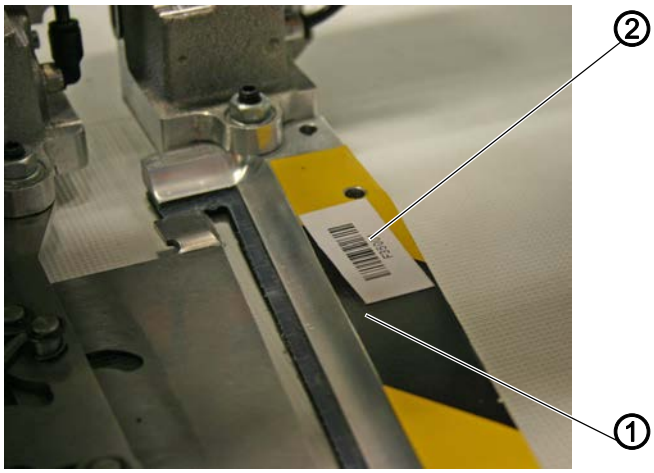


(1) - Plug connection *(2) - Bar code scanner*

3.6 Sticking the bar code

1. Stick the created bar code strip (2) (📖 *2 Bar code types*, p. 4) onto the right outer frame (1).

Fig. 16: Sticking the bar code strip



(1) - Outer frame *(2) - Bar code strip*

You must then activate the bar code scanner by means of the software.

3.7 Activating the bar code scanner

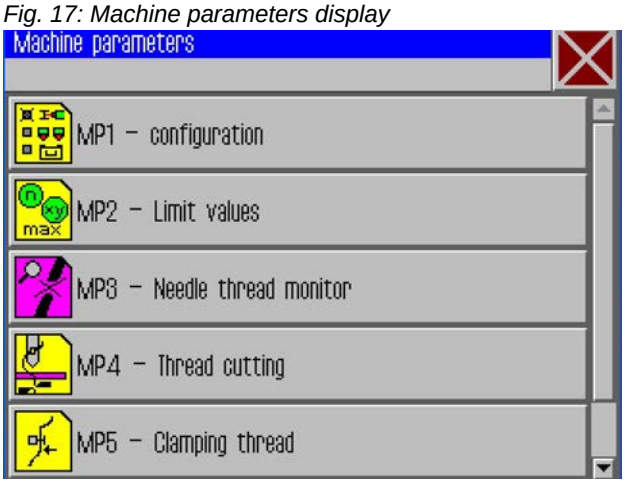
1. Insert the power plug.
2. Switch on the sewing unit.
3. Tap on *Edit -> Machine parameters* on the control panel.

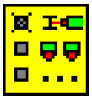
↳ The following appears on the control panel: *Password -> Enter password*.

4. Enter the code.

↳ The following appears on the control panel:

Fig. 17: Machine parameters display



5. Tap on *MP1 - Configuration*.
6. Tap on  *Options*.

7. Activate *Bar code reader*.
8. Confirm the selection with *OK*.
9. Use *X* to exit the machine parameter.

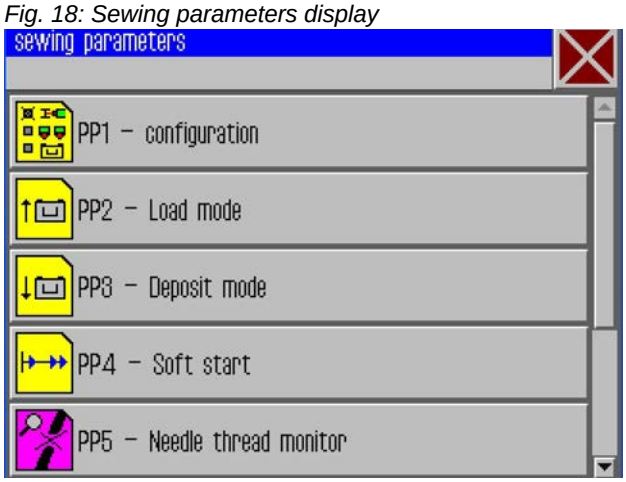
You must then assign the ID you have stuck onto the bar code strip.

3.8 Assigning the ID

1. Tap on *Edit -> Sewing program -> Parameters* on the control panel.

↳ The following appears on the control panel:

Fig. 18: Sewing parameters display



2. Tap on *PP1 - Configuration*.
3. Tap on

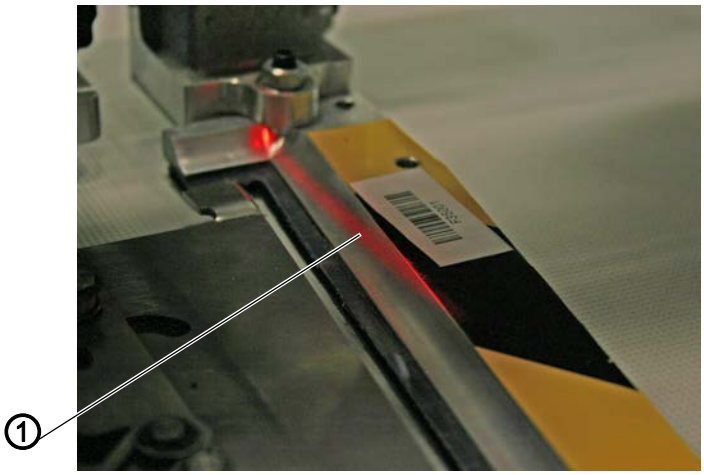
ID.
4. Enter the ID which is on the bar code strip.

You must then align the bar code scanner in order to use it.

3.9 Aligning the bar code scanner

1. Loosen the pan-head screw (📖 *3.4 Fitting the holder and bar code scanner*, p. 11).
2. Set the holder **0911 494030** to allow the light beam (1) of the bar code scanner to be centered to the bar code.

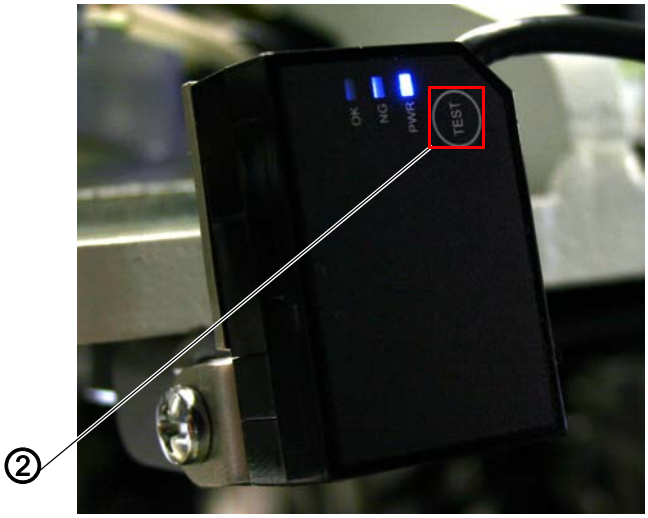
Fig. 19: Aligning the bar code scanner



(1) - Light beam

3. Press the TEST button (2) on the bar code scanner.

Fig. 20: Testing the bar code scanner



(2) - TEST button

↳ A signal sounds, indicating that scanning was successful.

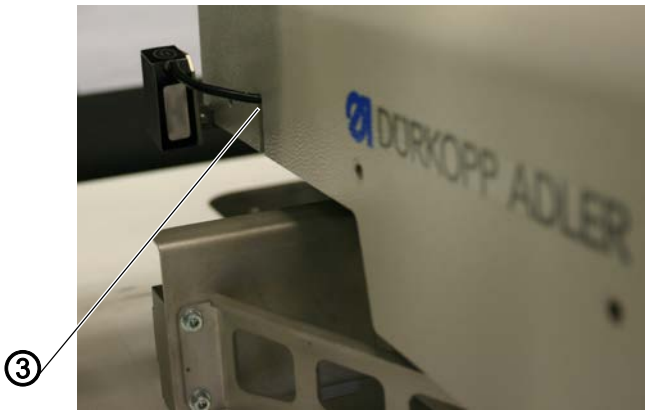
4. Re-tighten the pan-head screw.

Then re-install the covers you previously removed (📖 *3.1 Removing the covers*, p. 5).

Important

Observe that you guide the cable from the bar code scanner through the slot (3) of the cover.

Fig. 21: Cable routing

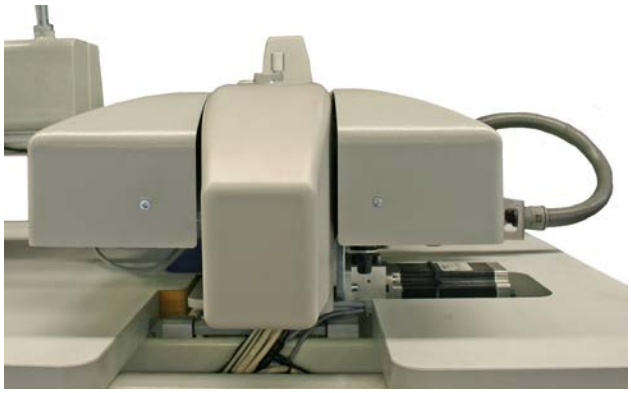


(3) - Slot

3.10 Fitting the covers

1. Re-tighten the covers with the screws to establish the initial state.

Fig. 22: Initial state, rear view



Notes:

4 Bar codes

906_001

906_002

906_003

906_004

906_005

906_006

906_007

906_008

906_009

906_010

906_011

906_012

906_013

906_014

906_015

906_016

906_017

906_018

906_019

906_020

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