DÜRKOPP ADLER

911-210-10
911-211-10

Additional Instructions

Barcode scanner

IMPORTANT
READ CAREFULLY BEFORE USE
KEEP FOR FUTURE REFERENCE

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1 General information

These additional instructions describe how to assemble and use the barcode scanner.

1.1 Components of the kit

Check whether the scope of delivery for kit 0911 597574 is correct prior to installation.

Part number	Quantity	Description
9835 400083	1	Scanner, bar code 1D
0911 568000	1	Bracket
0911 568010	1	Bracket
0911 568020	1	Bracket
0911 568030	1	Bracket
9202 001667	2	Screw M3x8
9203 003737	3	Screw M4x25
9231 110035	2	Hexagon nuts
9330 200077	2	Washer A3.2
9840 121002	4	Cable tie
9850 001518	1	Level converter
9204 200747	2	Screw M2, 5x6-H
1001 009243	2	Washer 4.3x10x1.5
9202 002077	2	Screw M4x10
9202 002068	2	Screw M4x8
0791 911718 EN	1	Additional Instructions

1.2 Barcode types

The following types of barcodes can be read using the barcode scanner:

- Code 128
- UCC EAN 128
- Code 39
- Code bar
- Code 93

These barcode types can be created with freeware software.

Important

The barcode must be composed of 3 to 10 bars.

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

2 Assembling the kit

WARNING

Risk of injury!

Crushing or electric shock possible.

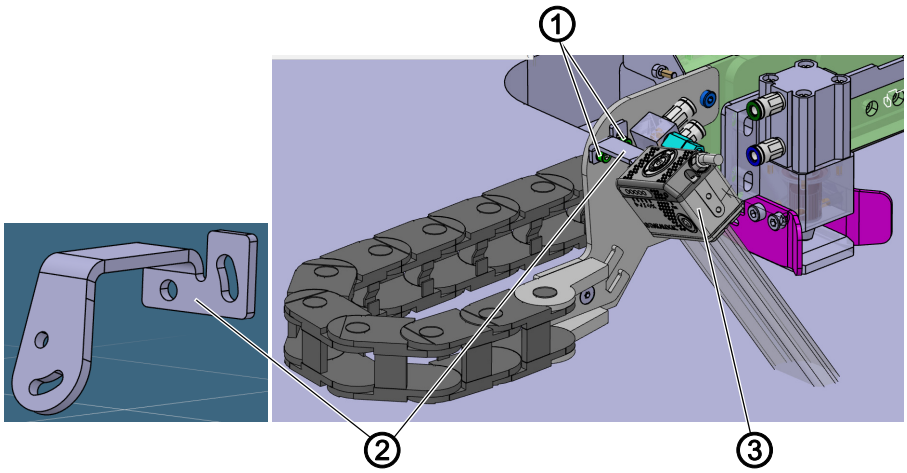
Switch off the machine before assembling the kit.

2.1 Assembling and connecting bracket and scanner

2.1.1 Assembling and connecting bracket and barcode scanner (sewing field size 3020)

Assembling bracket and barcode scanner

Fig. 1: Assembling bracket and barcode scanner



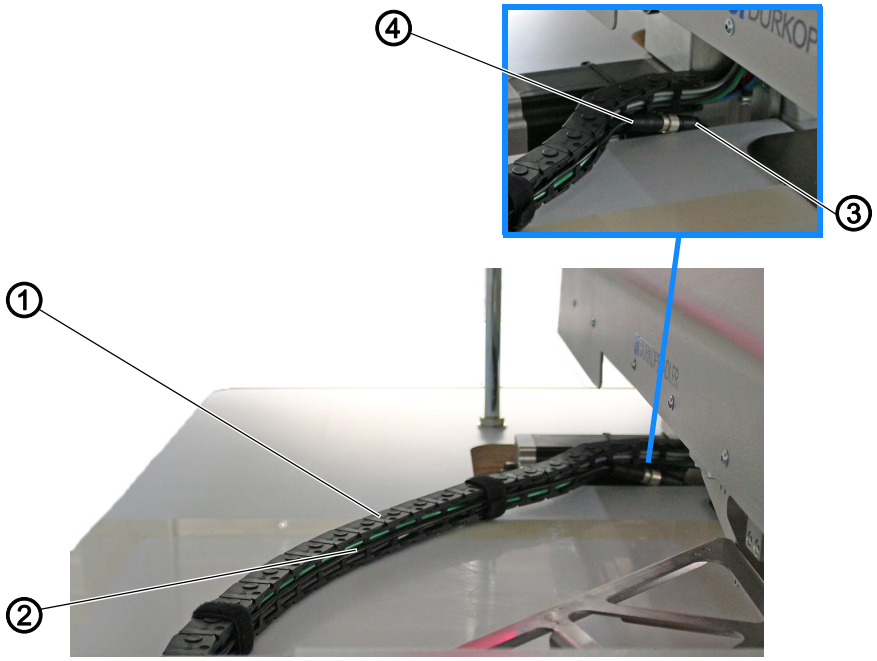
(1) - Screws
(2) - Bracket (part number 0911 568000)
(3) - Barcode scanner

To assemble the bracket for sewing field size 3020:

1. Assemble the barcode scanner (3) to the bracket (2) using 2 screws (M1.5x5).
2. Tighten the bracket (2) to the transport carriage using the screws (1) (M3x5).

Laying and connecting the cable of the barcode scanner

Fig. 2: Laying and connecting the cable of the barcode scanner



(1) - Energy chain
(2) - Cable
(3) - 17-pin plug of the control
(4) - 17-pin plug of the barcode scanner

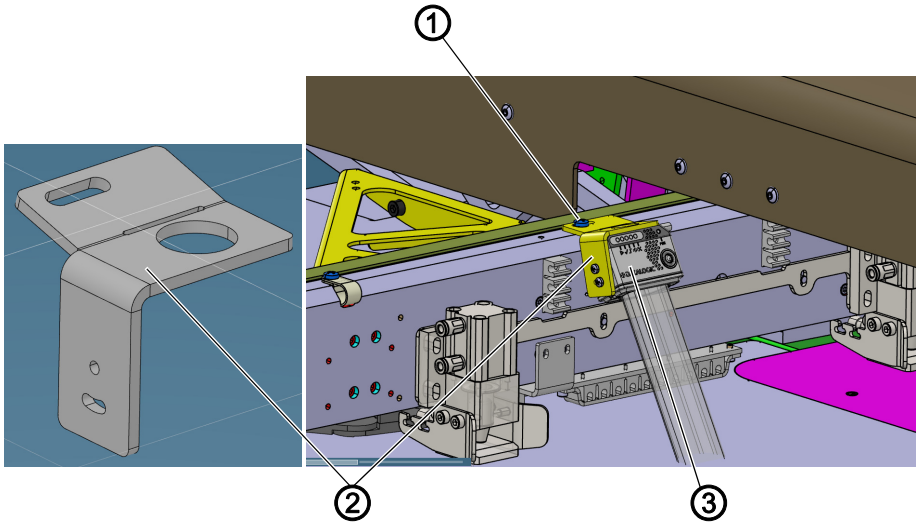
To lay and connect the cable of the barcode scanner:

1. Attach the cable (2) along the energy chain (1).
2. Connect the 17-pin plug of the barcode scanner (4) with the 17-pin plug of the control (3).

2.1.2 Assembling and connecting bracket and barcode scanner (sewing field size 6055/3020/6020/8055)

Assembling bracket and barcode scanner

Fig. 3: Assembling bracket and barcode scanner



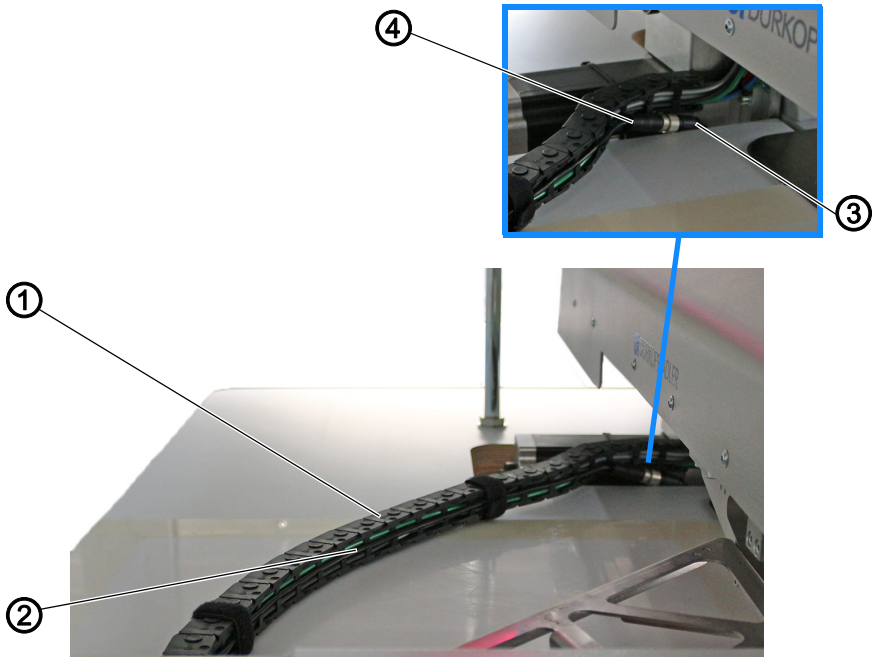
(1) - Screw
(2) - Bracket (part number 0911 568010)
(3) - Barcode scanner

To assemble the bracket for sewing field size 6055/3020/6020/8055:

1. Assemble the barcode scanner (3) to the bracket (2) using 2 screws (M1.5x5).
2. Tighten the bracket (2) to the transport carriage using the screw (1).

Laying and connecting the cable of the barcode scanner

Fig. 4: Laying and connecting the cable of the barcode scanner



(1) - Energy chain
(2) - Cable
(3) - 17-pin plug of the control
(4) - 17-pin plug of the barcode scanner

To lay and connect the cable of the barcode scanner:

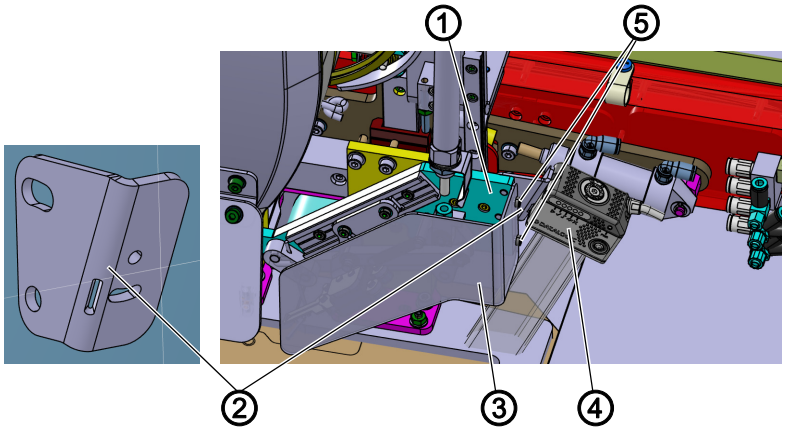
1. Attach the cable (2) along the energy chain (1).
2. Connect the 17-pin plug of the barcode scanner (4) with the 17-pin plug of the control (3).

2.1.3 Assembling and connecting bracket and barcode scanner on machines with a thread burner (911-211 only)

If you have assembled a thread burner, you can assemble a stationary barcode scanner behind the thread burner.

Assembling bracket and barcode scanner

Fig. 5: Assembling bracket and barcode scanner (1)



(1) - Carrier plate
(2) - Bracket (part number 0911 568030)
(3) - Plate
(4) - Barcode scanner
(5) - Screws

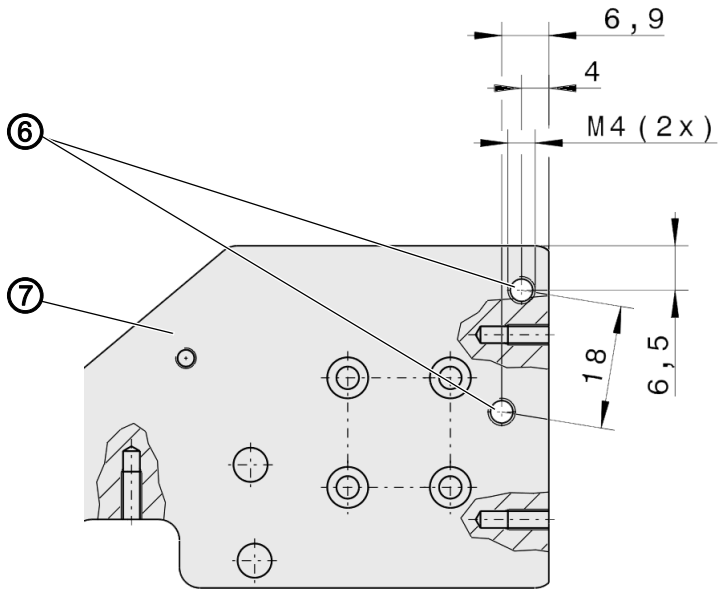
To assemble the bracket to machines with a thread burner:

1. Assemble the barcode scanner (4) to the bracket (2) using 2 screws (M1.5x5).
2. Loosen the screws (5).
3. Remove the plate (3).
4. Assemble the bracket (2) to the carrier plate (1).

Important

If the two threaded holes (6) do not exist in the carrier plate (7), they need to be made as shown in the diagram below.

Fig. 6: Assembling bracket and barcode scanner (2)

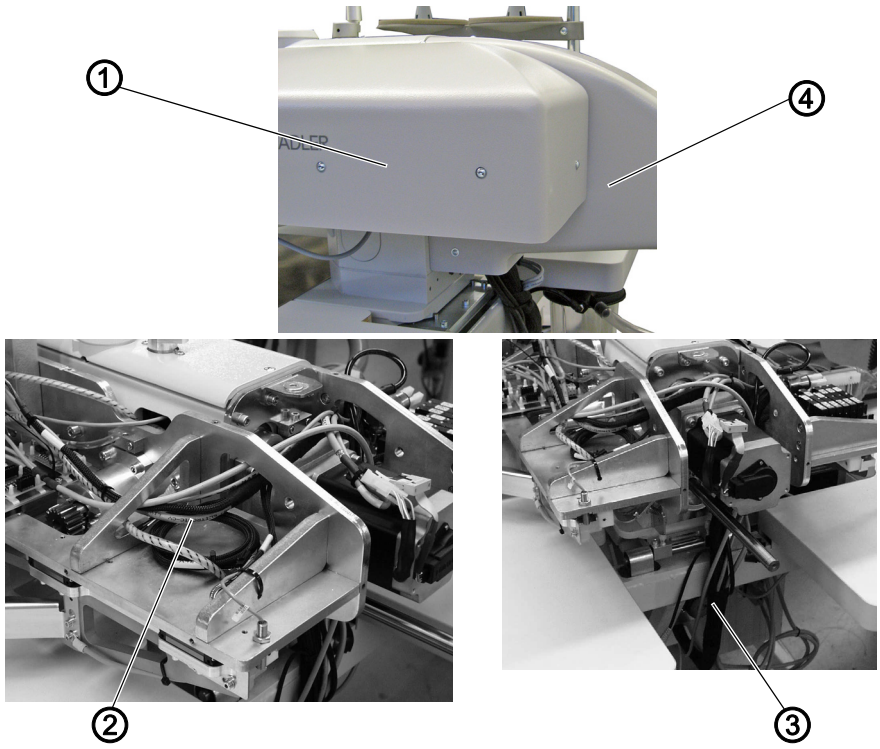


(6) - Threaded holes

(7) - Carrier plate

Laying and connecting the cable of the barcode scanner

Fig. 7: Laying and connecting the cable of the barcode scanner



(1) - Cover

(2) - Cables

(3) - Cover

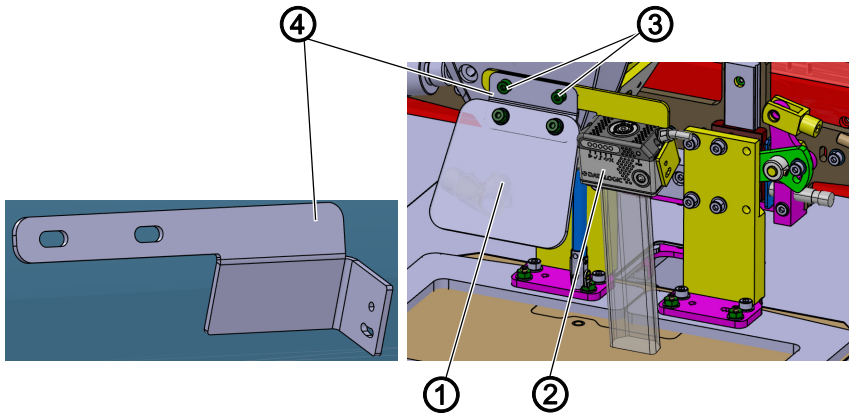
To lay and connect the cable of the barcode scanner:

1. Disassemble covers (1) and (4).
2. Lay the cable through the machine head and under the tabletop so that it runs parallel to the other cables (2).
3. Attach the cable to the wiring harness (3) using cable ties.
4. Connect the 17-pin plug of the barcode scanner with the 17-pin plug of the control.
5. Assemble covers (1) and (4).

2.1.4 Assembling and connecting bracket and barcode scanner on the machine head (911-211 only)

If you did not assemble a thread burner, you can assemble a stationary barcode scanner to the machine head.

Fig. 8: Assembling bracket and barcode scanner to the machine head



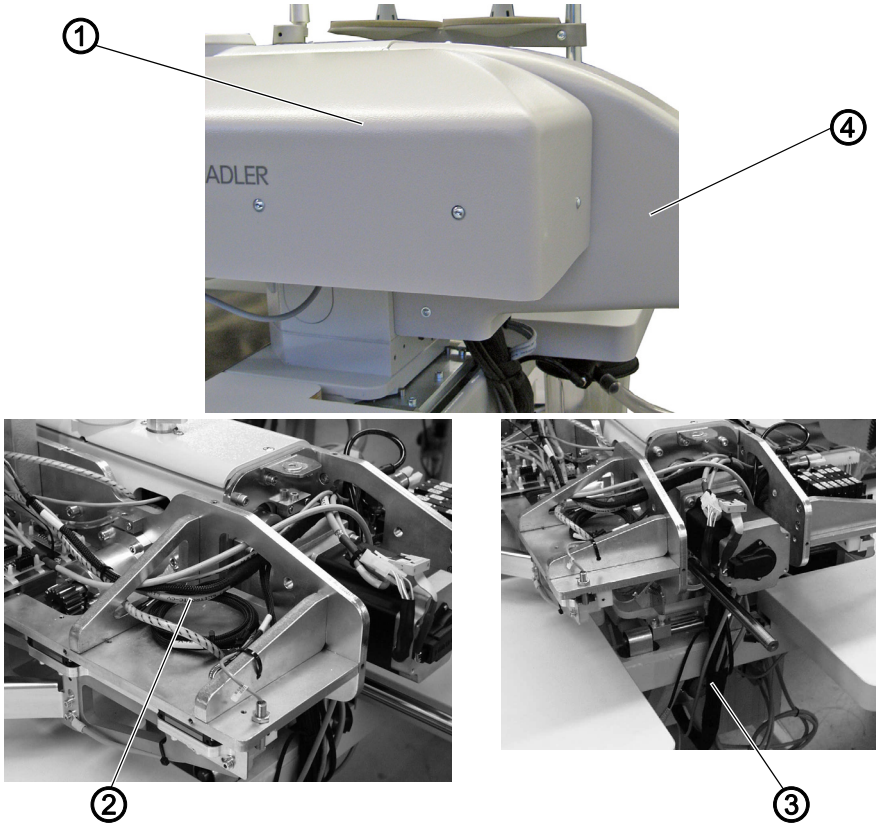
(1) - Eye protection
(2) - Barcode scanner
(3) - Bracket (part number 911 568020)
(4) - Screws

To assemble the bracket to the machine head:

1. Assemble the barcode scanner (2) to the bracket (4) using 2 screws (M1.5x5).
2. Tighten the bracket (4) to the machine head using the screws (3). If necessary, adjust the alignment of the barcode scanner (2) by bending the bracket (4).

Laying and connecting the cable of the barcode scanner

Fig. 9: Laying and connecting the cable of the barcode scanner



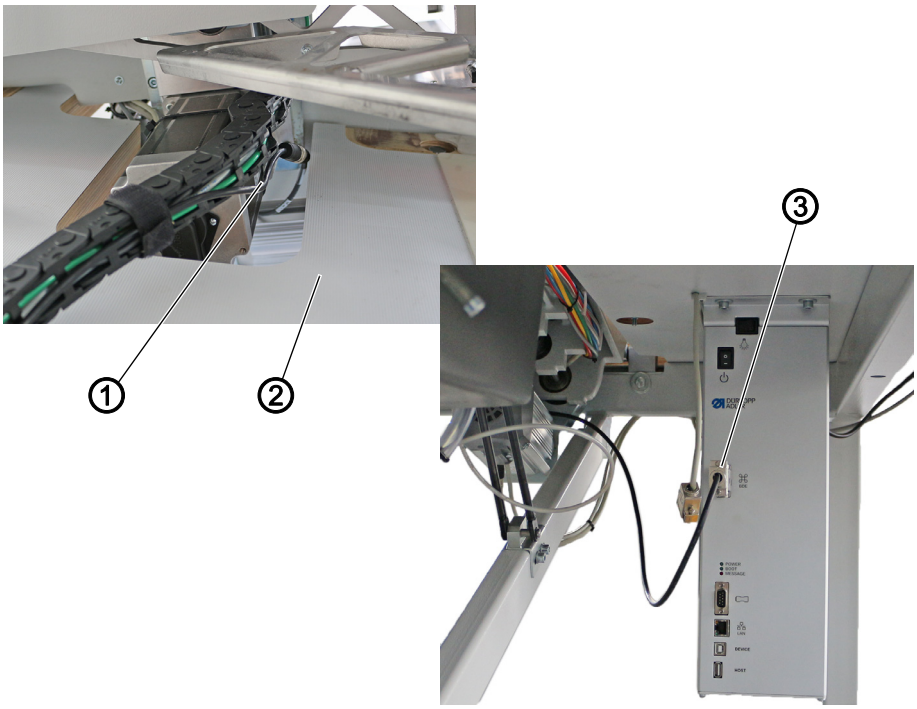
(1) - Cover
(2) - Cables
(3) - Cable harness
(4) - Cover

To lay and connect the cable of the barcode scanner:

1. Disassemble covers (1) and (4).
2. Lay the cable through the machine head and under the tabletop so that it runs parallel to the other cables (2).
3. Attach the cable to the wiring harness (3) using cable ties.
4. Connect the 17-pin plug of the barcode scanner with the 17-pin plug of the control.
5. Assemble covers (1) and (4).

2.2 Laying and connecting the cable to the control

Fig. 10: Laying and connecting the cable to the control



(1) - Scanner cable
(2) - Tabletop
(3) - Plug

To lay and connect the cable to the control:

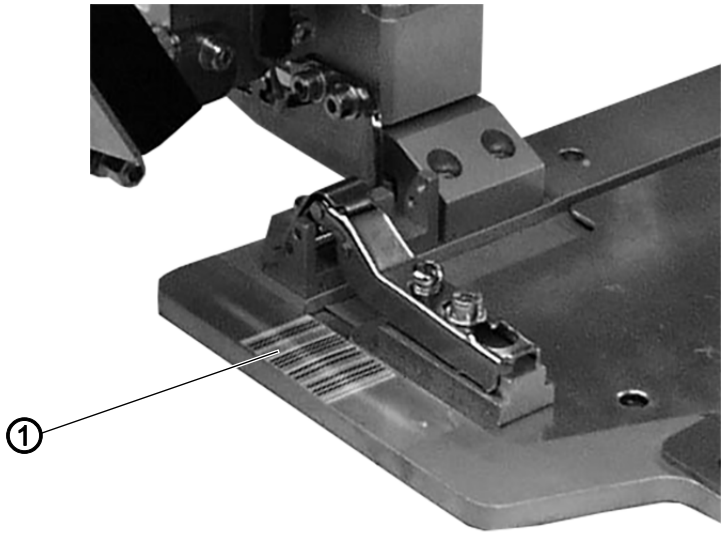
1. Feed the scanner cable (1) through the tabletop (2).
2. Insert the plug (3) with the level converter into slot **X23 (BDE)** on the control and secure it using the screws.

2.3 Aligning the barcode scanner and applying the barcode

To align the barcode scanner:

1. Loosen the screws of the bracket.
2. Set the bracket so that the light beam of the barcode scanner hits the frame of the transfer plate.
3. Tighten the screws of the bracket.

Fig. 11: Applying the barcode



(1) - Barcode

To apply the barcode:

1. Apply the generated barcode (1) to the transfer plate in such a way that the light beam of the barcode scanner fully captures the code.

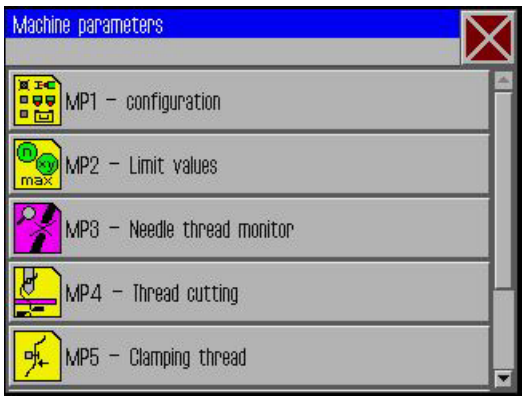
2.4 Activating the barcode scanner

To activate the barcode scanner:

1. Switch on the machine.
2. Press the menu items *Edit* > *Machine parameters*.
3. Enter the code: 25483.

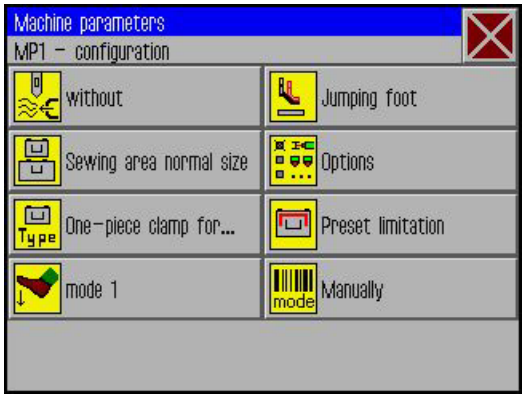
↳ The window for selecting the machine parameter group appears.

Fig. 12: Activating the barcode scanner (1)



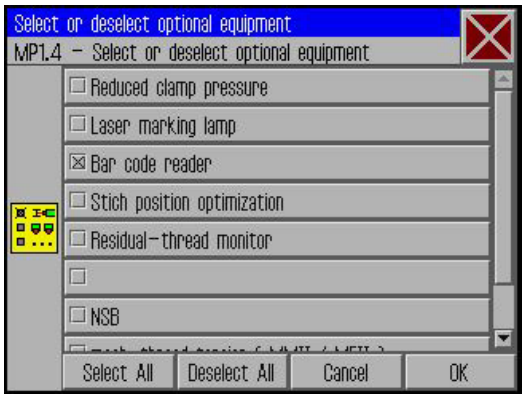
4. Press the parameter group *Configuration* .

Fig. 13: Activating the barcode scanner (2)



5. Press *Options* .

Fig. 14: Activating the barcode scanner (3)



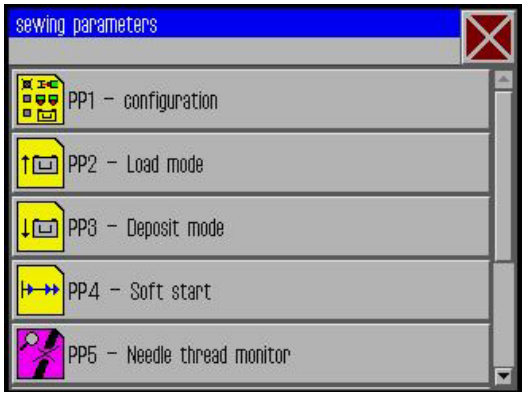
6. Press *Barcode reader* to switch on the barcode scanner.

2.5 Linking the barcode to a seam program

2.5.1 Entering the barcode manually

Assigning a barcode ID

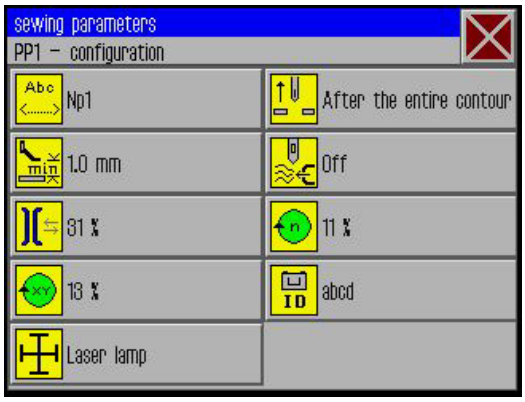
Fig. 15: Assigning a barcode ID (1)



To assign a barcode ID:

1. Press the menu items *Edit* > *Seam program* > *Sewing parameters*.
2. Press the parameter group *Configuration* .

Fig. 16: Assigning a barcode ID (2)



3. Press *ID* .

Fig. 17: Assigning a barcode ID (3)

4. Enter the ID code (no more than 10 characters).
   The ID must match the barcode.

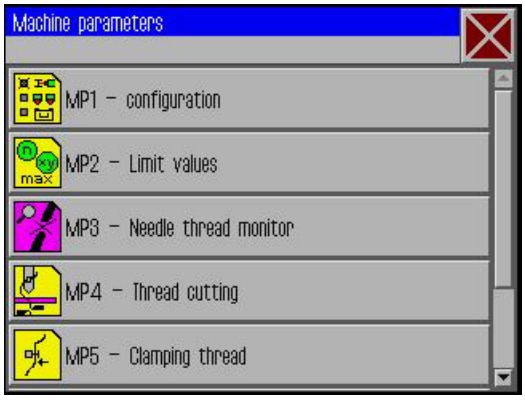
Selecting barcode mode

To select barcode mode:

1. Press the menu items *Edit* > *Machine parameters*.

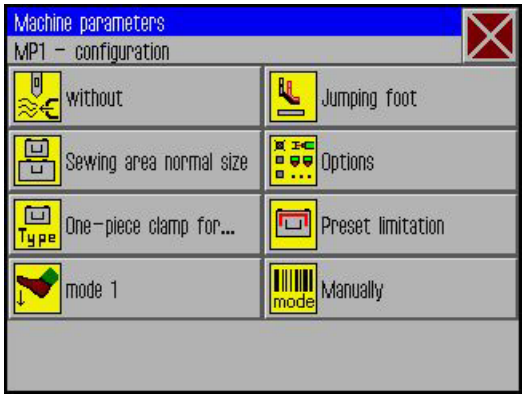
↳ The window for selecting the machine parameter group appears.

Fig. 18: Selecting barcode mode (1)



2. Press the parameter group *Configuration*.

Fig. 19: Selecting barcode mode (2)

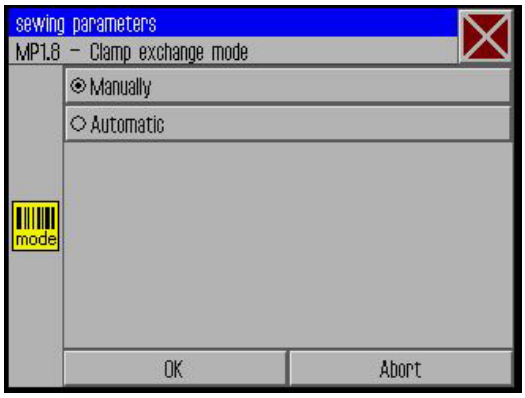


3. Press *Barcode mode*.

↳ The following 2 options are available.

- **Manually**: The machine checks whether the inserted clamp matches the entered seam program. If the clamp is correct, the machine is ready for sewing. If the clamp is incorrect, an error message will be displayed, and the clamp will have to be replaced.
- **Automatic**: The machine looks for the seam program that matches the inserted clamp. The machine is ready for sewing once the seam program has been selected.

Fig. 20: Selecting barcode mode (3)



4. Select the desired mode.

2.5.2 Barcode detection

Information

Setting up barcode detection requires an existing seam program that has not been assigned a barcode ID yet.

To set up barcode detection:

1. Apply a new barcode to the transfer plate.
2. Scan the barcode.

↳ The display switches to `Automatic Clamp Change`.

Fig. 21: Barcode detection (1)

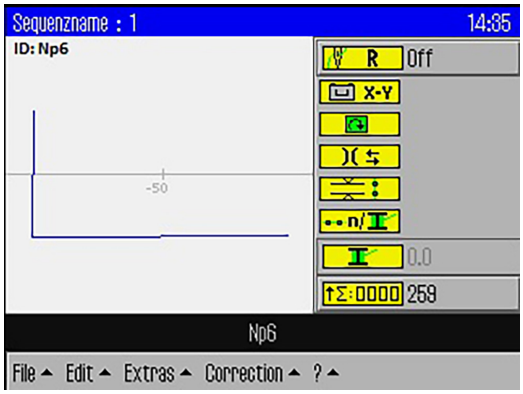
3. Press the desired seam program.

↳ The selected seam program is highlighted with a dark background.

4. Press `Link barcode to seam and start`.

↳ The display switches to the seam program.
The sewing process can be started.

Fig. 22: Barcode detection (2)



↳ From now on, this seam program cannot be launched unless the matching bar code was scanned.

3 Barcodes (Code 128)

911_001

911_002

911_003

911_004

911_005

911_006

911_007

911_008

911_009

911_010

911_011

911_012

911_013

911_014

911_015

911_016

911_017

911_018

911_019

911_020

911_021

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Subject to design changes - Part of the machines shown with additional equipment - Printed in Germany
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