



911

## 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 597554 is correct prior to installation.

Part number	Quantity	Description
9850 911006	1	Scanner, bar code
9202 021648	2	Cylinder-head bolt M3x5
9202 001667	2	Cylinder-head bolt M3x8
9231 110035	2	Hexagon nuts
9330 200077	2	Washers A3.2
9870 911016	1	Cable set complete, scanner
9223 000930	3	Cylinder-head bolts M1.6x5
9850 911004	1	Level converter
9840 121002	4	Cable tie
9850 911005	1	Circuit board complete, power supply
9830 501025	3	Spacer sleeve
9203 003737	3	Cylinder-head bolt M4x25
0911 563240	1	Bracket
0911 563250	1	Bracket
0911 562810	1	Bracket
0911 562820	1	Bracket
0791 911702 EN	1	Additional Instructions

## 1.2 Bar code types

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

- Code 128
- UCC EAN 128
- Code 39

These bar code types can be created with freeware software.



### **Important**

The bar code must be composed of 3 to 10 bars.

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

## 2 Assembling the kit

### WARNING



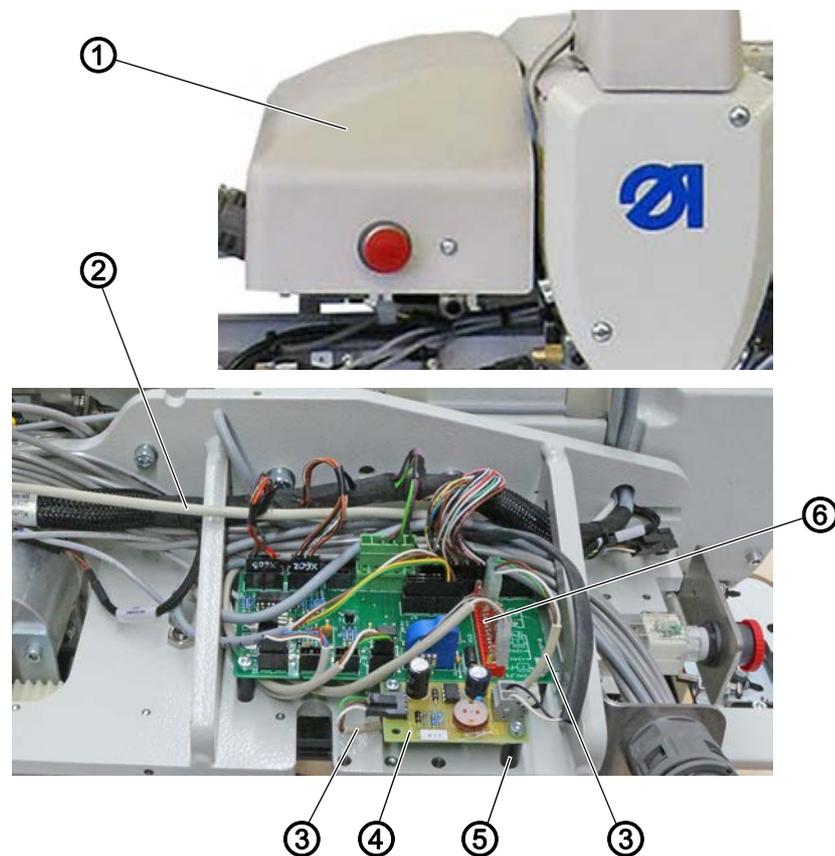
#### Risk of injury!

Crushing or electric shock possible.

Switch off the machine before assembling the kit.

### 2.1 Assembling and connecting the power supply

Fig. 1: Assembling and connecting the power supply



(1) - Left hood

(2) - Cable

(3) - Cable

(4) - Power supply

(5) - Spacer sleeve

(6) - 10-pin tab connector



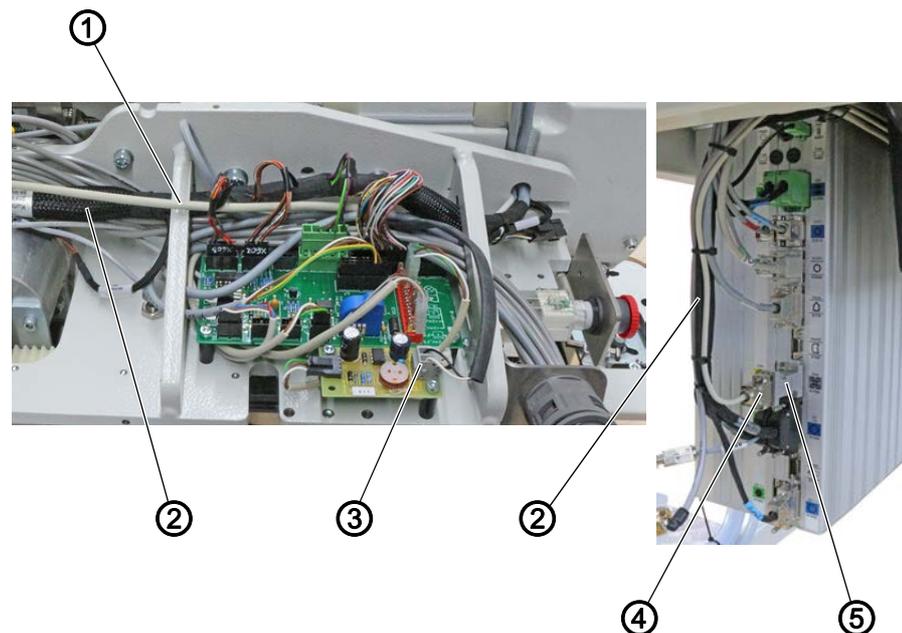
To assemble and connect the power supply:

1. Remove the left hood (1).
2. Assemble the power supply (4) with spacer sleeve (5) and (M4x25) cylinder-head bolts.

3. Connect the cable (3) to the 3-pin plug connection of the power supply (4).
4. Connect the cable (3) to the 10-pin tab connector (6) of the circuit board.
  - White to 8 (+24V-1)
  - Brown to 9 (Y9)
  - Green to 10 (GND)

## 2.2 Laying and connecting the cable to the control

Fig. 2: Laying and connecting the cable to the control (1)



- |                     |                       |
|---------------------|-----------------------|
| (1) - Cable         | (4) - Plug            |
| (2) - Cable harness | (5) - Level converter |
| (3) - Spring clips  |                       |



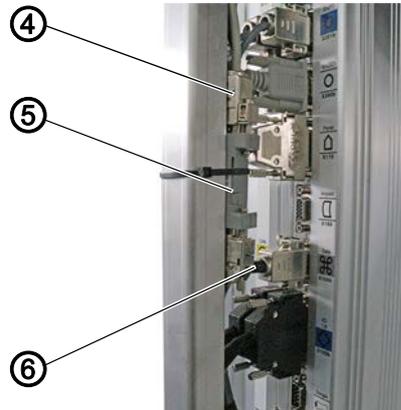
To lay and connect the cable to the control:

1. Lay the cable (1) parallel to the cable harness and assemble it to the cable harness using cable ties.
2. Connect the white and black core to the spring clips (3) of the power supply.
  - Black to SW (0V)
  - White to WS (+VCC)
3. Insert the plug (4) with the level converter (5) into the socket **X150b** on the control and secure it using the screws.



### Information

Fig. 3: Laying and connecting the cable to the control (2)



(4) - Plug

(5) - Level converter

(6) - Adapter cable

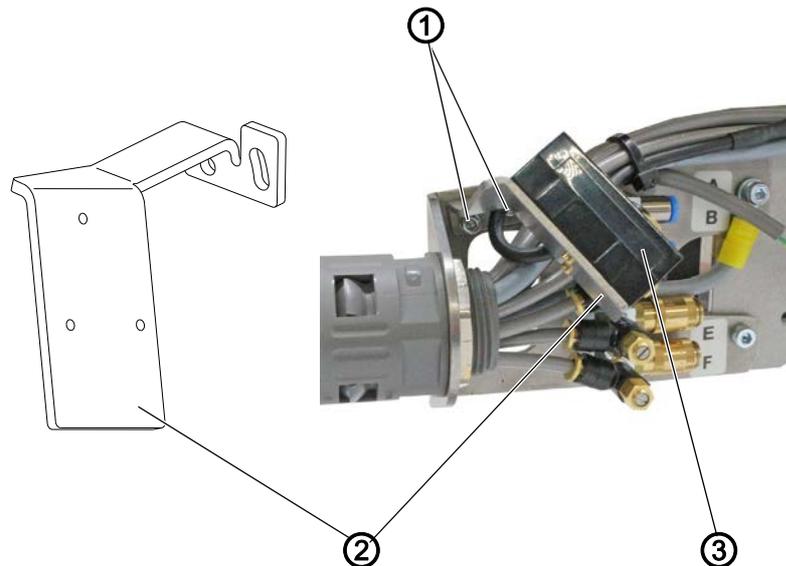
The rear of the control on subclass 911-211-2010 models is confined by a track. This subclass requires that the adapter cable (6) be inserted between the level converter (5) and the socket **X150b**.

## 2.3 Assembling and connecting bracket and scanner

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

#### Assembling bracket and barcode scanner

Fig. 4: Assembling bracket and barcode scanner



(1) - Screws

(2) - Bracket (part number 0911 562810)

(3) - Barcode scanner

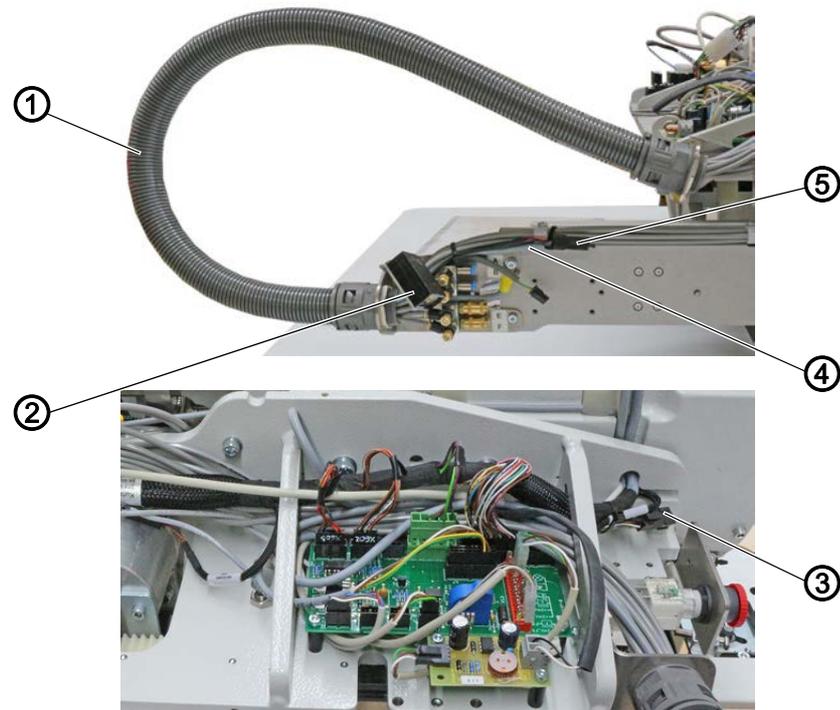


To assemble the bracket for sewing field size 3020:

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 to the barcode scanner

Fig. 5: Laying and connecting the cable to the barcode scanner



(1) - Hose  
(2) - Barcode scanner  
(3) - 6-pin plug

(4) - Cable  
(5) - 6-pin plug



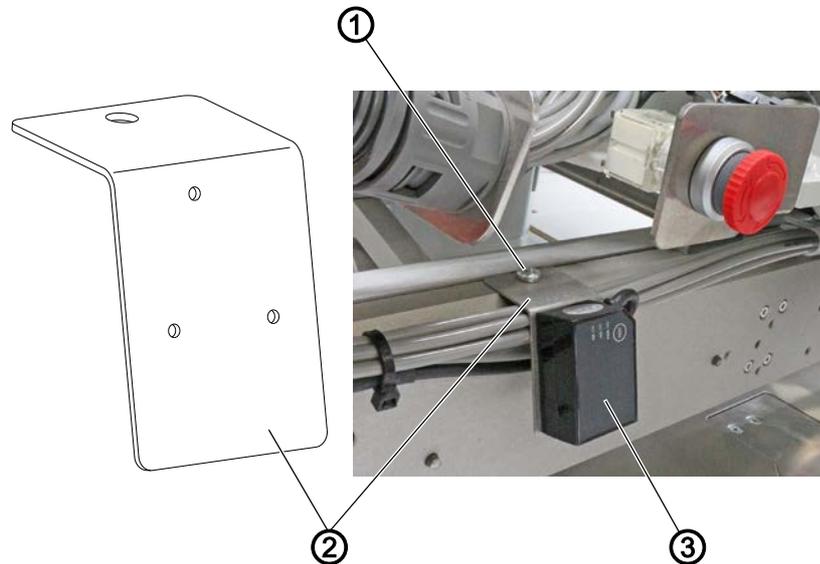
To lay and connect the cable to the barcode scanner:

1. Pull the cable (4) through the hose (1).
2. Connect the 6-pin plug of the cable (4) with the 6-pin plug (3).
3. Connect the 6-pin plug of the cable (4) with the 6-pin plug (5) of the barcode scanner (2).

### 2.3.2 Assembling and connecting bracket and barcode scanner (sewing field size 6055)

#### Assembling bracket and barcode scanner

Fig. 6: Assembling bracket and barcode scanner



(1) - Screw

(2) - Bracket (part number 0911 562820)

(3) - Barcode scanner

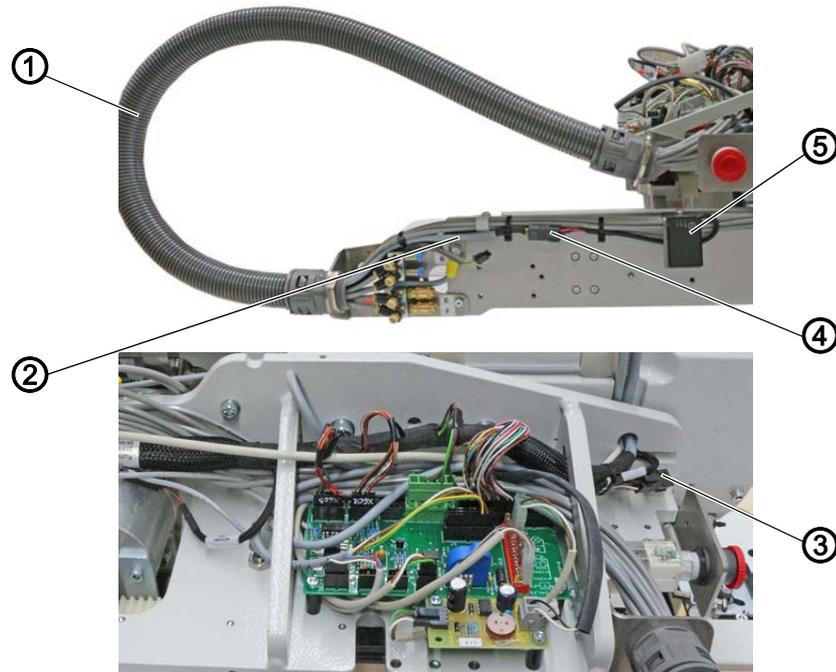


To assemble the bracket for sewing field size 6055:

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 to the barcode scanner

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



- (1) - Hose  
(2) - Cable  
(3) - 6-pin plug

- (4) - 6-pin plug  
(5) - Barcode scanner



To lay and connect the cable to the barcode scanner:

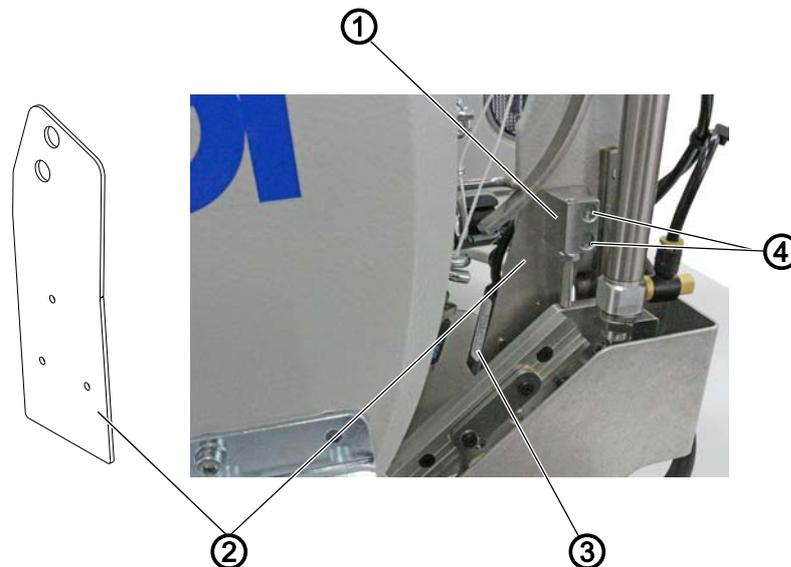
1. Pull the cable (2) through the hose (1).
2. Connect the 6-pin plug of the cable (2) with the 6-pin plug (3).
3. Connect the 6-pin plug of the cable (2) with the 6-pin plug (4) of the barcode scanner (5).

### 2.3.3 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. 8: Assembling bracket and barcode scanner



(1) - Block

(2) - Bracket (part number 0911 563250)

(3) - Barcode scanner

(4) - Screws

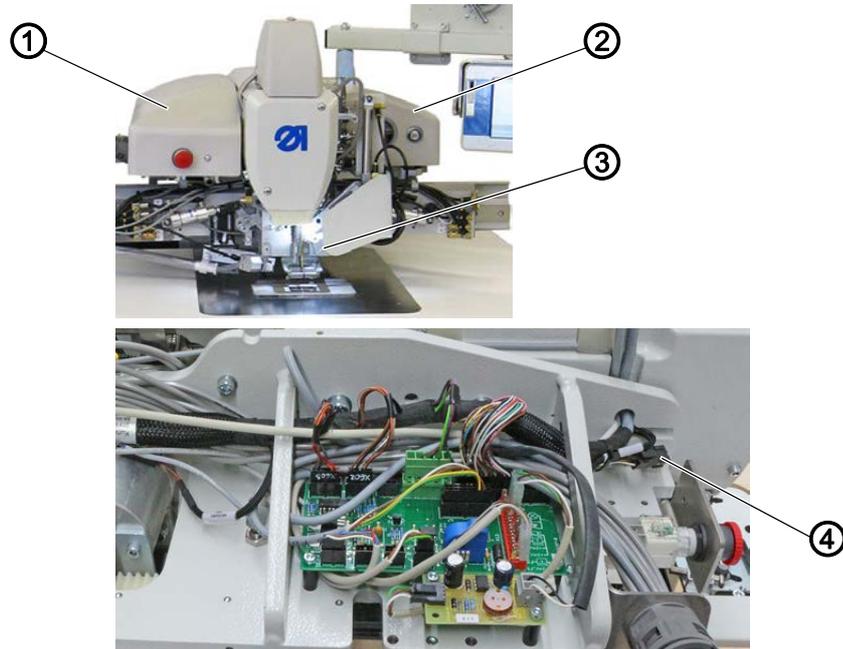


To assemble the bracket to machines with a thread burner:

1. Assemble the barcode scanner (3) to the bracket (2) using 2 screws (M1.5x5).
2. Loosen the screws (4).
3. Remove the block (1)
4. Tighten the bracket (2) on the thread burner using the block (1) and the screws (4).

### Laying and connecting the cable to the barcode scanner

Fig. 9: Laying and connecting the cable to the barcode scanner (1)



(1) - Cover  
(2) - Cover

(3) - Thread burner  
(4) - 6-pin plug



To lay and connect the cable to the barcode scanner:

1. Remove covers (1) and (2).
2. Guide the cable of the barcode scanner around the machine head and behind the thread burner (3).
3. Connect the 6-pin plug of the barcode scanner cable with the 6-pin plug (4).

Fig. 10: Laying and connecting the cable to the barcode scanner (2)



(5) - 6-pin plug

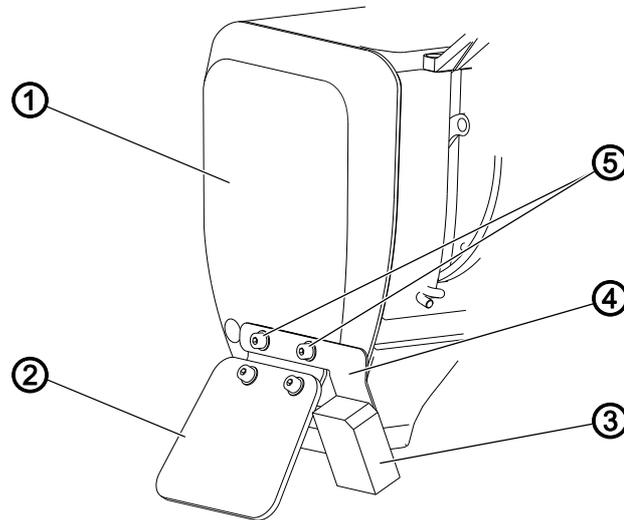
(6) - 6-pin plug

4. Connect the 6-pin plug of the barcode scanner cable (5) with the 6-pin plug (6) of the barcode scanner.

### 2.3.4 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. 11: Assembling bracket and barcode scanner to the machine head



(1) - Machine head  
(2) - Eye protection  
(3) - Barcode scanner

(4) - Bracket (part number 911 563240)  
(5) - Screws

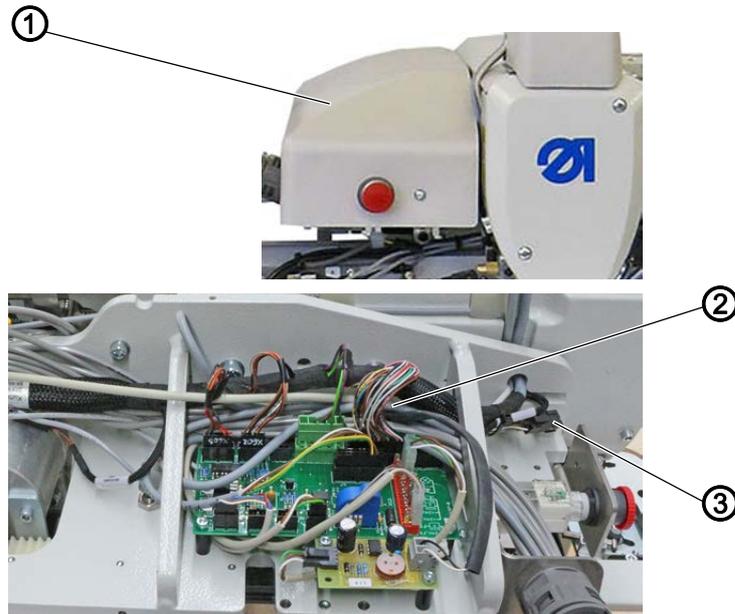


To assemble the bracket to the machine head:

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

## Laying and connecting the cable to the barcode scanner

Fig. 12: Laying and connecting the cable to the barcode scanner



(1) - Cover  
(2) - Cable

(3) - 6-pin plug



To lay and connect the cable to the barcode scanner:

1. Remove the cover (1).
2. Guide the cable (2) forward to the machine head.
3. Connect the 6-pin plug of the cable (2) with the 6-pin plug (3).
4. Connect the 6-pin plug of the cable (2) with the 6-pin plug of the barcode scanner.

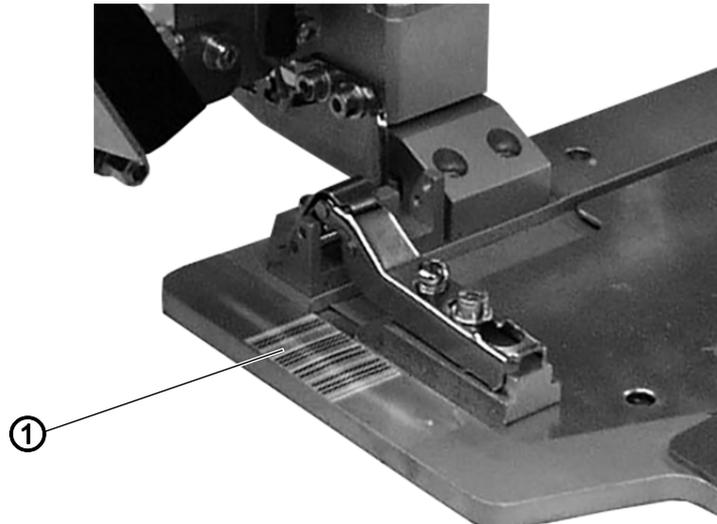
## 2.4 Aligning the barcode scanner and applying the bar code



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. 13: Applying the bar code



(1) - Bar code



To apply the bar code:

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

## 2.5 Activating the barcode scanner



To activate the barcode scanner:



1. Switch on the machine.
2. Tap the menu items *Bearbeiten (Edit) > Maschinenparameter (Machine parameters)*.
3. Enter the code: 25483.
- ↳ The window for selecting the machine parameter group appears.

Fig. 14: Activating the barcode scanner



4. Tap the parameter group *Konfiguration (Configuration)* .
5. Tap *Optionale Einrichtungen (Optional equipment)* .
6. Tap *Barcodeleser (Barcode scanner)* to switch on the barcode scanner.

## 2.6 Linking the bar code to a seam program

### 2.6.1 Entering the bar code manually

#### Assigning a barcode ID

Fig. 15: Assigning a barcode ID



To assign a barcode ID:

1. Tap the menu items *Bearbeiten (Edit) > Nahtprogramm (Seam program) > Nahtparameter (Seam parameters)*.
2. Tap the parameter group *Konfiguration (Configuration)* .
3. Tap *ID* .
4. Enter the ID code (no more than 10 characters).  
The ID must match the bar code.

#### Selecting barcode mode



To select barcode mode:

1. Tap the menu items *Bearbeiten (Edit) > Maschinenparameter (Machine parameters)*.
- ↳ The window for selecting the machine parameter group appears.

Fig. 16: Activating the barcode scanner



2. Tap the parameter group *Konfiguration* (*Configuration*)



3. Tap *Barcode-Mode* (*Barcode mode*)



↳ The following 2 options are available.

- **Manual:** 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.

4. Select the desired mode.

## 2.6.2 Barcode detection



### Information

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



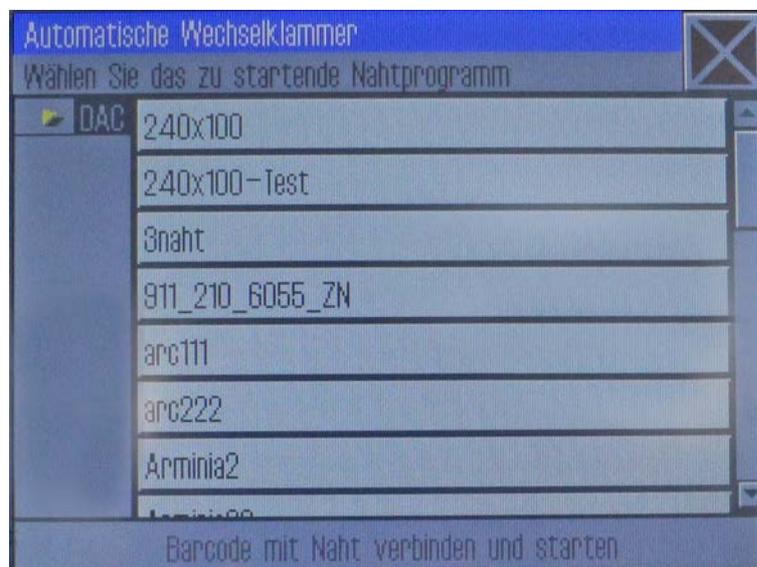
To set up barcode detection:

1. Apply a new bar code to the transfer plate.
2. Scan the bar code.



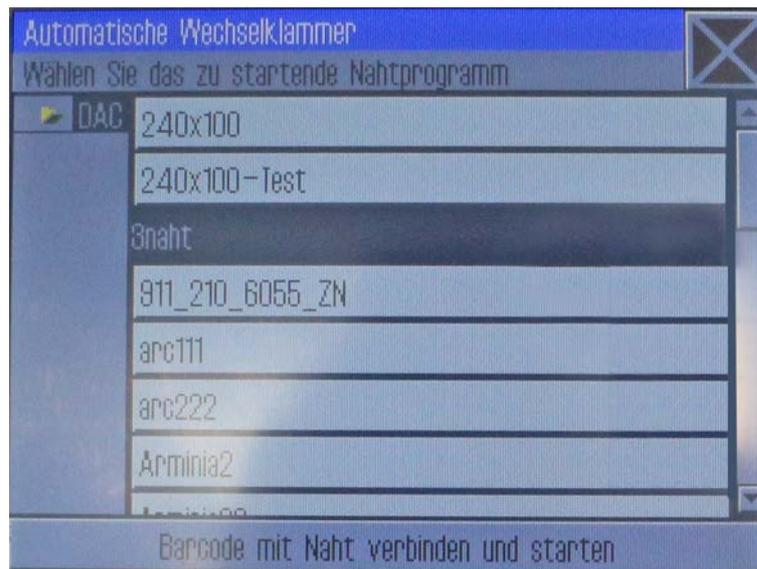
The display switches to *Automatische Wechselklammer* (Automatic alternating clamp).

Fig. 17: Barcode detection (1)



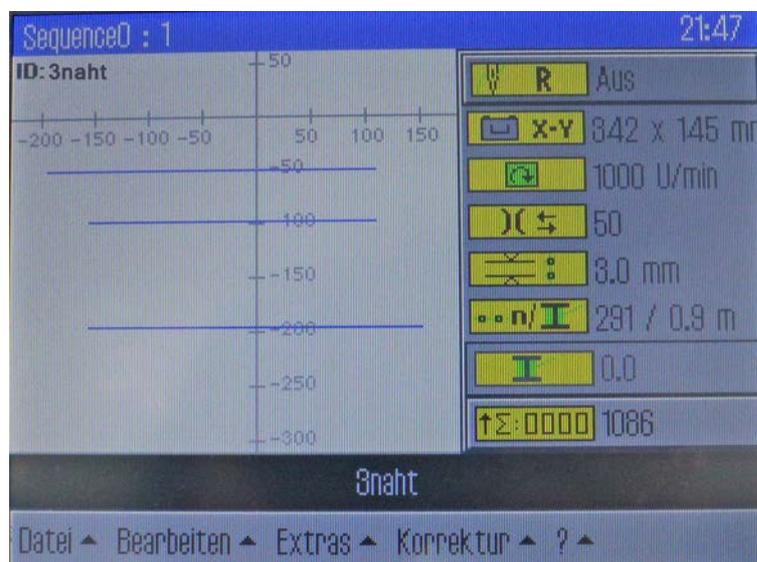
3. Tap the desired seam program.
- The selected seam program is highlighted with a dark background.

Fig. 18: Barcode detection (2)



4. Tap *Barcode mit Naht verbinden und starten* (Link bar code to seam and start).
- ↪ The display switches to the seam program.  
The sewing process can be started.

Fig. 19: Barcode detection (3)



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

### 3 Bar codes











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