



069/267/269

## Additional Instructions

Assembly of DAC eco

**IMPORTANT**  
**READ CAREFULLY BEFORE USE**  
**KEEP FOR FUTURE REFERENCE**

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## 1 General information

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

### Kit 9889 026706 8 (class 267)

Part number	Quantity	Description
0268 350163	1	Holder
0725 000520 B	3	Spring washer
0907 050144	1	Grounding kit
9130 104161	1	V-belt
9130 500710	1	V-belt pulley
9201 013767	3	Screw M8X35
9202 002487	4	Cylinder-head bolt M5X12
9330 300027	3	Washer
9401 000454	1	Motor mount
9800 170038	1	Sewing motor
9800 210002 R	1	DAC eco control
9800 347003	1	Synchronizer
9850 267001	1	Machine identification
9850 001309	1	Machine ID
0699 989135	1	Tape

### Kit 9889 026906 8 (class 069/269)

Part number	Quantity	Description
0268 350163	1	Holder
0725 000520 B	3	Spring washer
0907 050144	1	Grounding kit
9130 104280	1	V-belt
9130 500710	1	V-belt pulley
9201 013767	3	Screw M8X35
9202 002487	4	Cylinder-head bolt M5X12
9330 300027	3	Washer
9401 000454	1	Motor mount
9800 170038	1	Sewing motor
9800 210002 R	1	DAC eco control
9800 347003	1	Synchronizer

Part number	Quantity	Description
9850 267001	1	Machine identification
9850 001309	1	Machine ID
0699 989135	1	Tape

## 2 Assembly

### DANGER



#### Risk of death from live components!

Unprotected contact with electricity can result in serious injuries or death.

Disconnect the power plug before converting the control. Ensure the power plug cannot be unintentionally reinserted.

### 2.1 Disassembling parts

Remove the following components before assembling the new motor assembly:

- Belt guard on the machine head
- Attached motor together with the motor base and belt
- Control and all cables (exception: remove equipotential bonding only from control but not from machine head)
- Setpoint device together with the bracket

### 2.2 Assembling parts

#### 2.2.1 Assembling DAC eco

Fig. 1: Assembling DAC eco



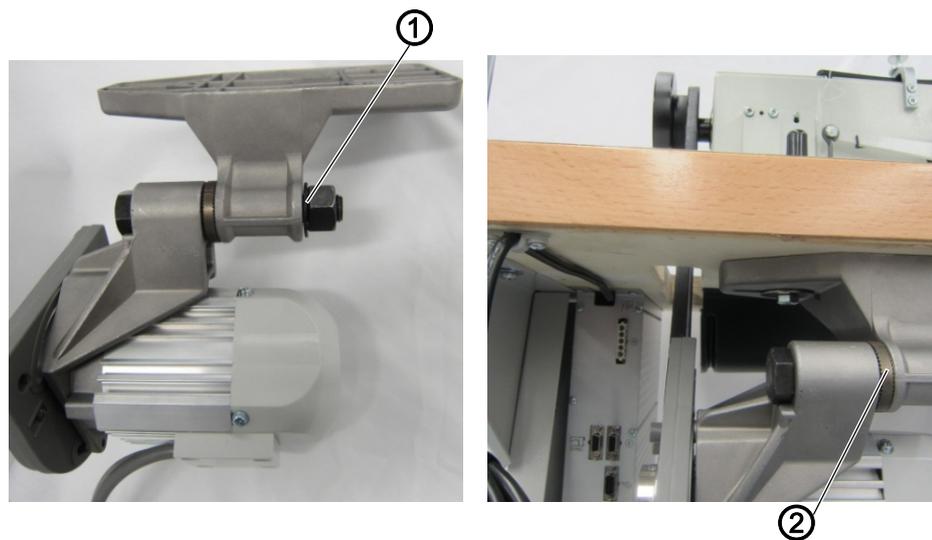


To assemble the DAC eco:

1. Fix the DAC eco control, as shown, under the tabletop using the included wood screws.
2. Assemble the electric supply cable with strain relief mechanism and, if necessary, nail clamps to ensure protection against mechanical stress.

### 2.2.2 Assembling the motor

Fig. 2: Assembling the motor



(1) - Screw

(2) - Shim washer



To assemble the motor:

1. Tighten the flange and the bottom side of the belt guard to the motor (pay attention to the cable outlet at the motor).
2. Assemble the flange - as shown and loosely for the time being - to the motor base.
3. When assembling the motor base under the tabletop, make sure the motor belt pulley is positioned parallel to and in alignment with the belt pulley of the machine head and as much as possible in the middle of the tabletop slot that is used for the belt.

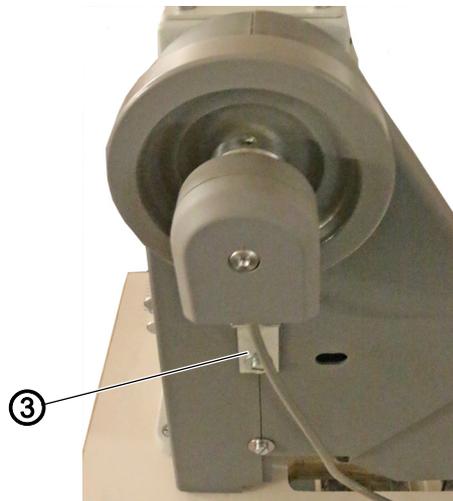
**Information**

If the positioning of the motor base cannot be completed properly (belt pulley of motor and machine head in parallel and alignment relative to one another), you can use the two included shim washers to attain the proper positioning.



4. Tension the belt when tightening the screw (1) of the motor base.
5. Re-assemble the cover of the belt guard and the belt guard of the machine head to the motor and the machine head, respectively.
6. Assemble the mounting bracket (3) to the synchronizer at the belt guard.

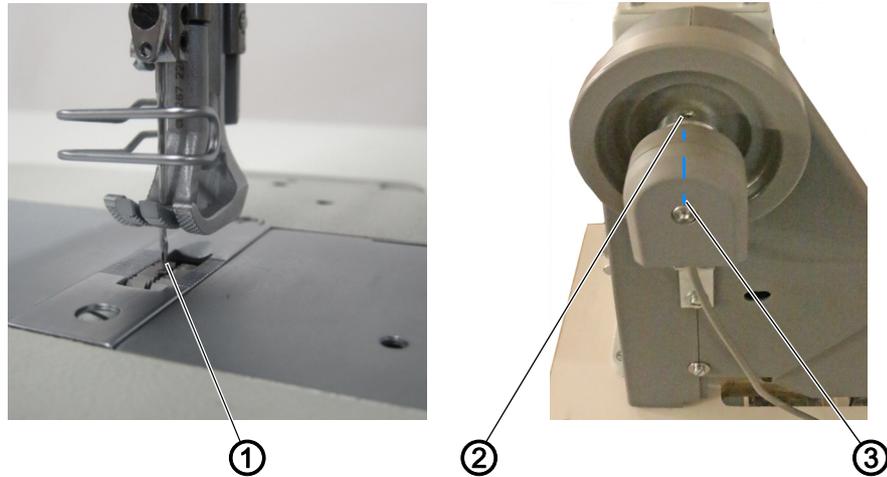
*Fig. 3: Assembling the motor*



(3) - Mounting bracket

### 2.2.3 Assembling the synchronizer

Fig. 4: Assembling the synchronizer



(1) - Needle tip at throat plate level  
(2) - Setscrew

(3) - Marking



To assemble the synchronizer:

1. Use the handwheel to turn the machine head in the running direction until the needle tip is as close at the level of the throat plate (1) as possible.
2. Tighten the synchronizer to the handwheel in such a way that the second setscrew (2) in the running direction is in line with the marking (3) on the synchronizer.
3. Lay the cable in such a way that it cannot come into contact with any moving parts.



#### Important

If the machine is not positioned properly later on, you must compare the settings with the instructions on how to assemble the synchronizer and repeat these settings if necessary.

### 2.2.4 Assembling the machine ID

Use the included adhesive strips to assemble the machine identification (machine ID) to the machine head in such a way that it cannot come into contact with any moving parts.

Fig. 5: Installation examples machine ID



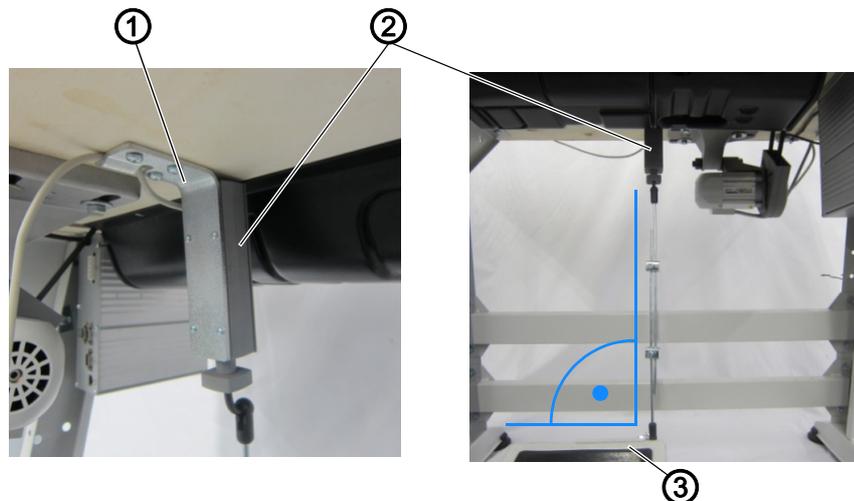
Example class 267



Example class 269

### 2.2.5 Assembling setpoint device and pedal

Fig. 6: Assembling setpoint device and pedal



(1) - Bracket  
(2) - Setpoint device

(3) - Pedal



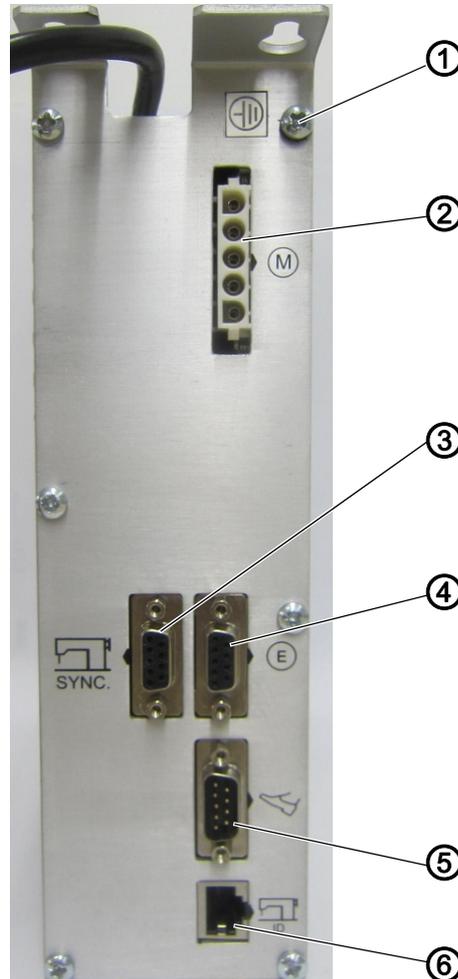
To assemble setpoint device and pedal:

1. Assemble the included bracket (1) of the setpoint device (2) to the tabletop as shown.
2. While doing so, assemble the cable of the setpoint device (2) using the clamp of the bracket (1).
3. Assemble the rod to the setpoint device (2) and pedal (3), making sure that the rod is as vertical as possible relative to the pedal (3) when the setpoint device (2) is assembled.

### 2.3 Electrical connection

Connect all cables as shown. Tighten the equipotential bonding of the machine head and the motor cable at the equipotential bonding of the control.

Fig. 7: Connecting the cables



- |   |   |
|---|---|
| (1) - Equipotential bonding<br>(motor & machine head) | (4) - Motor encoder cable   |
| (2) - Motor cable                                     | (5) - Setpoint device (pedal) or dongle and<br>adapter (for software updates) |
| (3) - Synchronizer cable                              | (6) - Machine ID  |

### 2.4 Commissioning

The control can now be connected to the mains grid. Provided all steps have been completed as described above, the machine is now ready for use.

## 2.5 Software settings

The control has been set up with the basic settings at the factory, allowing you to sew without the need for any additional parameter settings.

If you need to change the parameters nonetheless, refer to the detailed instructions on how to adjust the parameters, which are found in the instructions on the sewing motor. These instructions are included with the sewing motor and also provided at [www.duerkopp-adler.com](http://www.duerkopp-adler.com).

Parameter	Min	Max	Preset	Display LED S1 1x flash corresponds to	Display LED S2 1x flash corresponds to	Unit
Soft start stitches	1	20	2	10	1	Stitches
Soft start speed	200	1000	800	100	-	rpm
Maximum speed	200	1700	1700	1000	100	rpm
Motor holding force	0	4	4	-	1	A
Needle position and reference position	-	-	-	-	-	-
Machine selection (DA dongle with parameter sets required)	-	-	-	-	-	-







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