

# Technical Information

## Twin-Sequin device T6

### Adjustments



02376V10 [D] - 2018

Subject to change!  
Änderungen vorbehalten!

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[ GB ] 02376V10

## General Safety Instructions

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The work steps described below may only be carried out by ZSK service personnel or persons with appropriate training!



**Before undertaking any cleaning or maintenance work:**

**Make sure that the machine cannot be switched on unintentionally by unauthorized persons!**

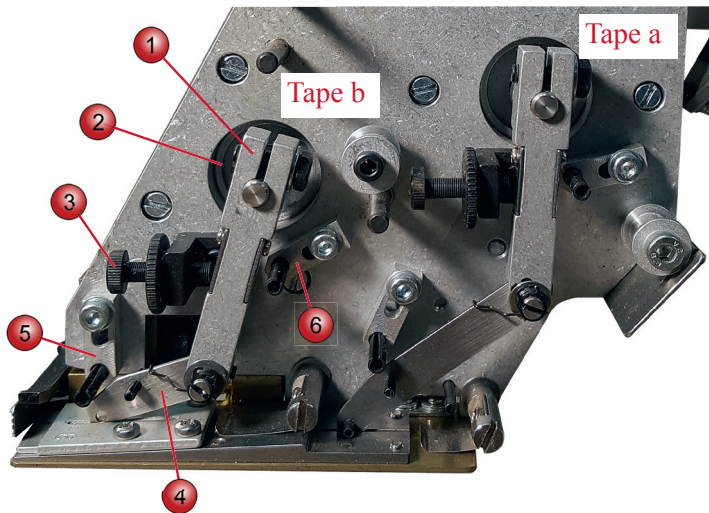
**Covers have to be removed to perform some maintenance work. Never restart the machine until all covers have been reinstalled properly.**

**Make sure that all needles are in uplifted position (restposition) before moving the border frame!**

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## 1. Twin-Sequin device T6 - Adjustments

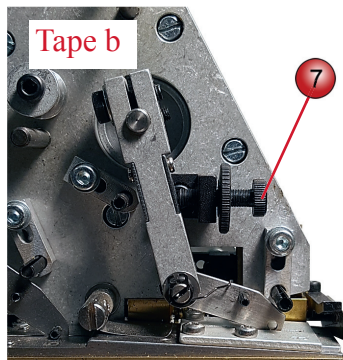
### 1.1 Setting elements Twin-Sequin head



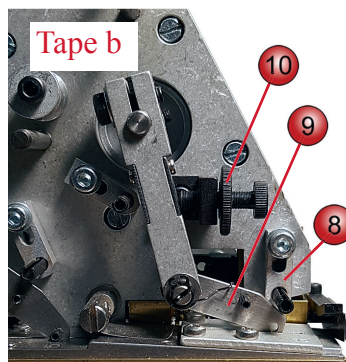
- (1) - Transport pawl
- (2) - Step motor
- (3) - Elevating screw (Stop bar, front)
- (4) - Sequin pusher
- (5) - Hold down
- (6) - Stop bar, back

## 1.2 Adjust sequin tapes (Cutting point)

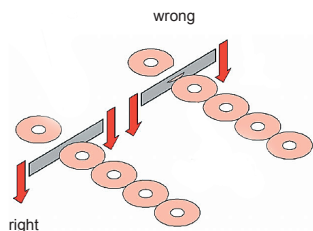
The following setting steps will be described at Tape b at the sequin device. The settings apply analog for Tape a too.

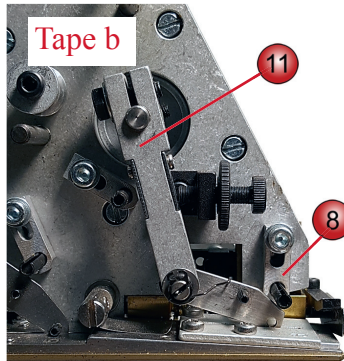


The exact cutting point will be regulated with the elevating screw (7).



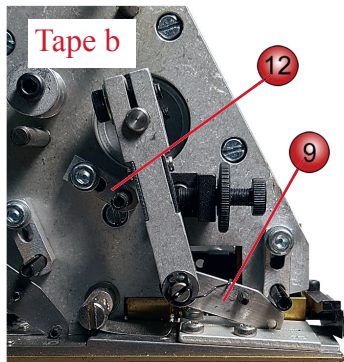
- Slacken the fixing screw of the hold down (8).
- Turn the hold-down (8) up, until the sequin pusher (9) will not be touched.
- Slacken the lock nut (10) at the elevating screw (7).
- Twist the elevating screw (7), until the sequins will be cut well and without projection (fish).
- 
- Tighten the lock nut (10) of the elevating screw (7).





- Press the transport pawl (11) to the foremost position.
- Turn the hold-down (8) down again, until the hold-down touched the transport pawl (11) slightly and with pressure.
- Tighten the hold-down (8).

⇒ The salient sequin tape must be secured now and should not be able to be pulled out manually.



- Adjust the back stop bar (12) so, that the sequin pusher clinches into the next sequin and has, approximately 0,5 mm space to the back stop bar (12).
- Reset the step motor.

### 1.3 Reset step motor

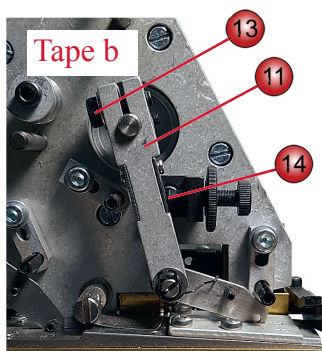
The following setting steps will be described at Tape b at the sequin device.  
The settings apply analog for Tape a too.

#### **HINWEIS**

**In principle this rule applies: After all adjustments, performed at the stop bars and levers, the step motor has to be reset.**

Starting from the base screen of the T8 control:

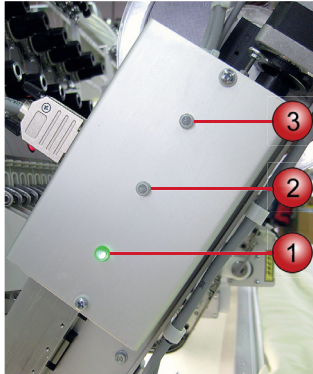
- Press **[L3] Service**.
- Press **[R2] Test machine attachment**.
- Choose with cursor keys:  
*Sequins right* or *Sequins left*.
- Choose with the green key **[Start]**:  
*Tape a* or *Tape b*.
- Press key **[Start]** again.
  - ⇒ The step motor springs into action and orients oneself towards his electric magnetic fields



- Slacken the clamp screw (13) of the transport pawl (11).
- Move the transport pawl to the front stop bar (14).
- Tighten the clamp screw (13) again.

## 1.4 Light emitting diodes (LED)

The sequin device can engage a controlled position according to the requirements. The device will be moved down in the operation position for the embroidery of sequins and uplifted afterwards in the intermediate position. Is the design embroidered completely, the sequin device moves in the rest position. One of the light emitting diodes indicates the reached position.



- (1) Rest position
- (2) Intermediate position
- (3) Operation position

The **Operation position (3)** will engage once the design or rather parts of the design are provided for the sequin operation.

The **Intermediate position (2)** will engage by the sequin device, if individual parts of the design shall not embroidered with the sequin device.

The **Rest position (1)** will engage when the design is embroidered finally.



## 1.5 Changing the position

### HINWEIS

The movement of the sequin device will be carried out automatically by design special functions or special machine cycles.

The sequin device moves automatically in the rest position, when malfunctions occur like thread break et cetera. The device will move down at the next machine start after removal the malfunction.

You are able to move the sequin devices independent of each other manually in the rest position by pressing the correspondent embroidery head key - the embroidery head and the sequin device will power off - the sequin device moves in the rest position.

### Operation-, Rest-, Intermediate position

Different position situations of the device are listed in the following table.

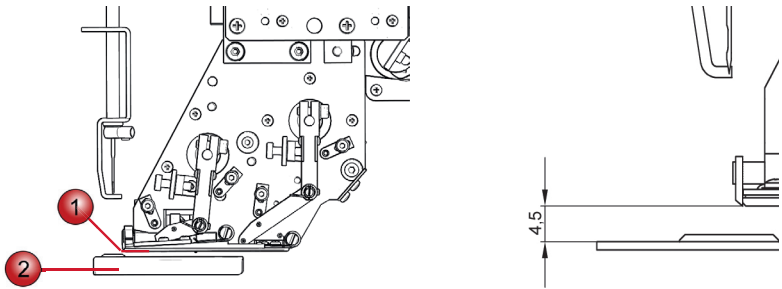
Position	Sequin device without LED	Sequin device with LED
Rest position (top)	for example: Head off Thread break  Special function: Lift sequin device Thread trimming Needle change Design end	for example: Head off Fadenbruch  Special function: Needle change Design end
Intermediate position (central)	<b>not available</b>	for example: Sonderfunktion: Lift sequin device Thread trimmign
Operation position (bottom)	Embroider	Embroider

### Change position manually

You are able to start the position change for test purposes manually with the control unit.

## 1.6 Adjust sequin head

### Spacing cutter plate-stitch plate



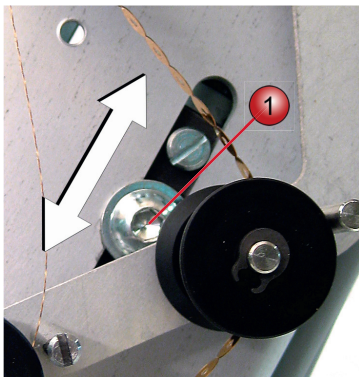
(1) Cutter plate (bottom edge)

(2) Stitch plate (top edge)

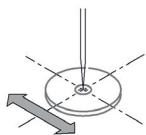
### Adjustment spacing cutter plate-stitch plate

The spacing between cutter plate and stitch plate is factory-provided to 4,5 mm (Standard).

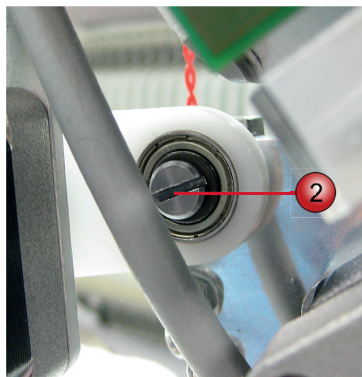
- Use the control unit and move the sequin head in the operation position.  
See *Light emitting diodes (LED)* and *Changing the position*.



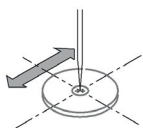
- Slacken adjusting screw (1).
- Adjust the spacing by moving the sequin device.
- Tighten adjusting screw (1).



### Adjustment front-back



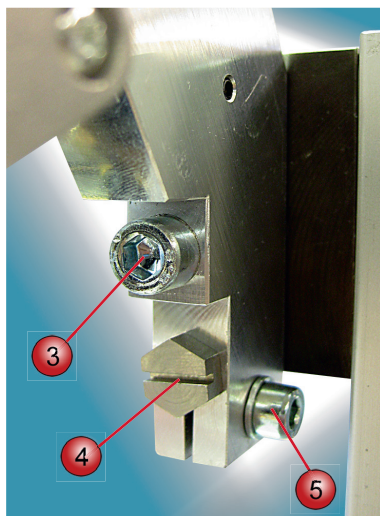
- Slacken bolt (2).
- Move the sequin head in the required position to the needle.
- ⇒ The needle has to stand central in the sequin hole in direction front-back.
- Tighten bolt (2).



### Adjustment left-right

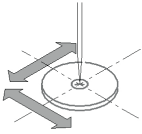
#### **HINWEIS**

Due to production tolerance is it possible, if necessary that the sequin head must be adjusted sideways.

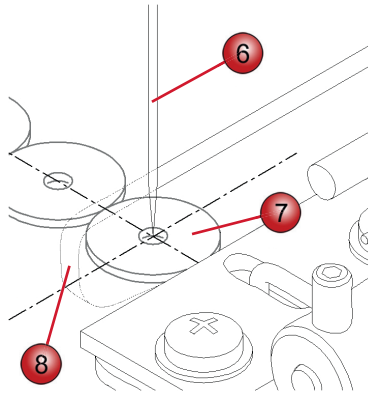


- Slacken fastening screw (3).
- Slacken fixing screw (5).
- Turn the excentric bolt (4) in the required position to the needle.
- ⇒ The needle has to be positioned in the middle of the sequin hole.
- Tighten fastening screw (3).
- Tighten fixing screw (5).

## Control of the adjustments



The needle **must be** positioned in the middle of the sequin hole after positioning of the sequin.



- (6) Needle
- (7) Sequin
- (8) Swerve knife





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