

Эфка vario dc

CONTROL

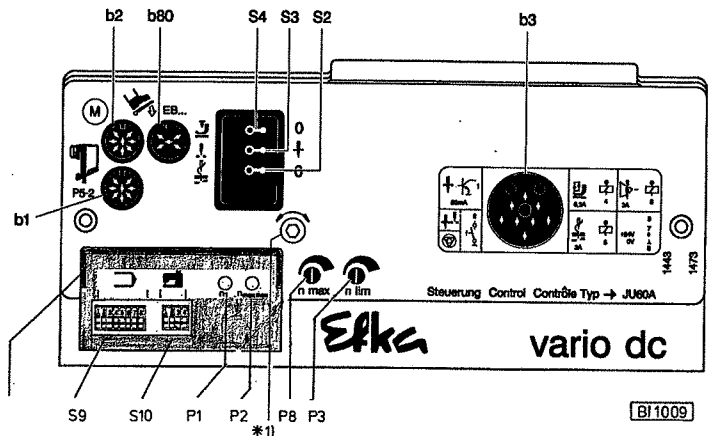
JU60A

CONCISE INSTRUCTIONS

No. 402064 english



Attention! These concise instructions are not intended to replace the instruction manual which is provided with the unit, but to assist with setting the functions. Nevertheless the instruction manual is to be read and to be used by all persons working on the machinery.



Service flap

The Operating and Connection Elements

- Socket:
- b1 - Positioner
 - b2 - Commutation transmitter
 - b3 - Sewing machine connection
 - b80 - external speed controller
- Flip switch:
- S2 - Thread trimmer on/off
 - S3 - Basic position needle down/up
 - S4 - Presser foot lifting at stop in the seam up/down

*1 - Lock of the service flap (standard as from 01/93)
(Turn to the left = open, turn to the right = closed)

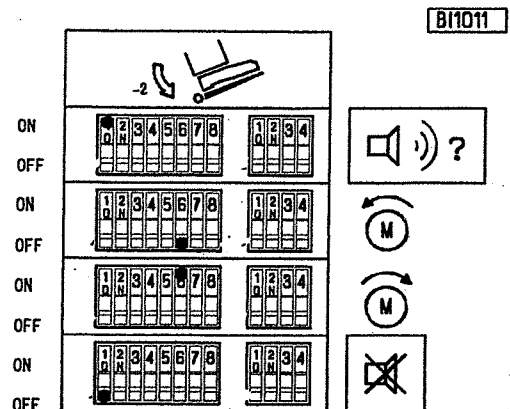
Setting Instructions

NOTE

Unplug sewing machine (socket b3) before initial operation.

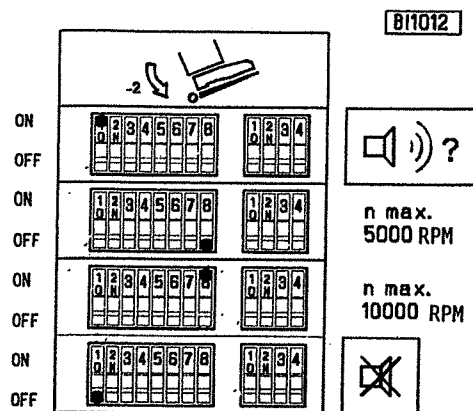
Sense of rotation of the motor shaft

- I. Brief full heelback
- II. S9/1 = ON - Programming mode ON
- III. S9/6 = OFF - Pulley turns left
S9/6 = ON - Pulley turns right
- IV. S9/1 = OFF - Programming mode OFF



Speed class

- I. Brief full heelback
- II. S9/1 = ON - Programming mode ON
- III. S9/8 = OFF - Maximum speed 5000 RPM
 S9/8 = ON - Maximum speed 10000 RPM
- IV. S9/1 = OFF - Programming mode OFF

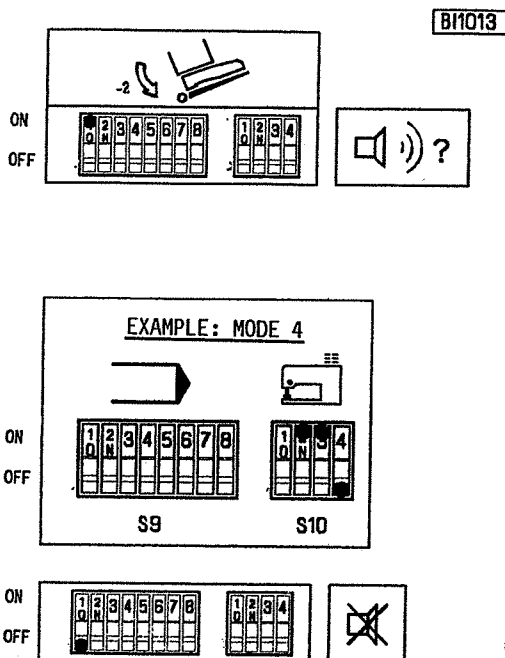


Type of sewing machine

- I. Brief full heelback
- II. S9/1 = ON - Programming mode ON
- III. Set mode according to table below

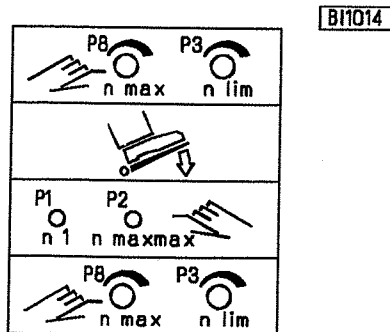
S10 /2	S10 /3	S10 /4	Mode NO.	Type of sewing machine
OFF	OFF	OFF	1	Chain stitch mode 1
ON	OFF	OFF	2	Chain stitch mode 2
OFF	ON	OFF	3	Overlock mode
ON	ON	OFF	4	Lock stitch mode 1
OFF	OFF	ON	5	Lock stitch mode 2
ON	OFF	ON	6	Lock stitch mode 2
OFF	ON	ON	7	Lock stitch mode 2
ON	ON	ON	8	Stitch condensation mode

- IV. S9/1 = OFF - Programming mode OFF



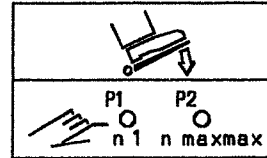
Maximum speed

- I. Turn P8 completely to the right
- II. Pedal fully forward
- III. Set max. machine speed with P2
 Turn to the left = lower; turn to the right = higher
- IV. Set max. operating speed with P8
 Turn to the left = lower; turn to the right = higher



Positioning speed

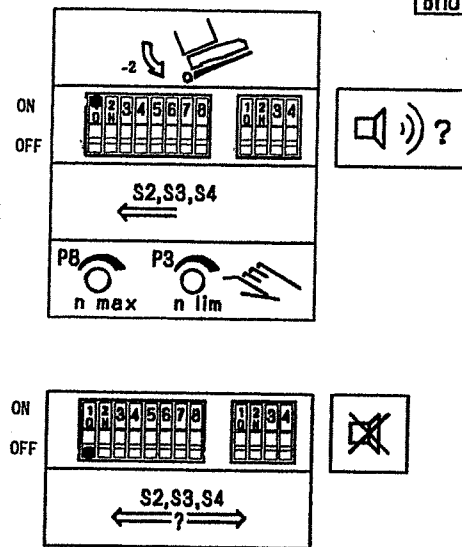
- I. Pedal forward to the first speed stage
- II. Set speed with P1
Turn to the left = lower; Turn to the right = higher



B11015

Braking power at standstill

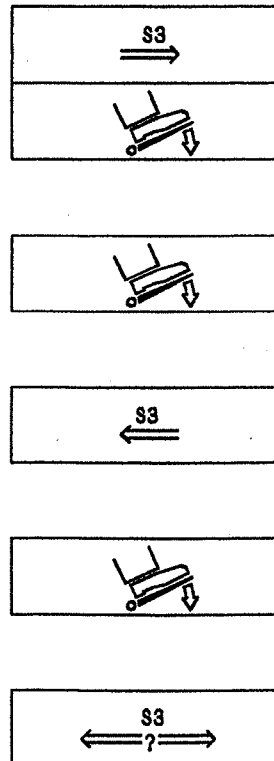
- I. Brief full heelback
- II. S9/1 = ON - Programming mode ON
- III. Set switches S2, S3, S4 to the left
- IV. Set braking effect with P3
- V. Sewing start, positioning, check braking power
- VI. S9/1 = OFF - Programming mode OFF
- VII. Set switches S2, S3, S4 to original position



B11016

Positioner

- I. S3 = to the right (basic position of the needle down)
- II. Push pedal briefly forward
- III. Adjust central positioner disc
- IV. Push pedal briefly forward
- V. Check stop position
- VI. S3 = to the left (basic position of the needle up)
- VII. Adjust outer positioner disc
- VIII. Push pedal briefly forward
- IX. Check stop position
- X. Set desired stop position with S3



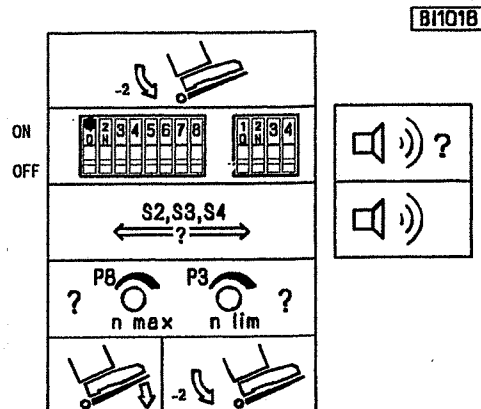
B11017

NOTE

For setting the activation times of the outputs plug in sewing machine, when power is off.

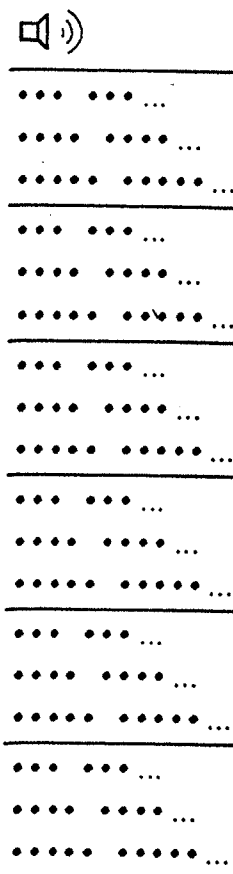
Activation times of the outputs

- I. Brief full heelback
- II. S9/1 = ON - Programming mode ON
- III. Set switches S2, S3, S4 according to table below
- IV. Set outputs (final stages) for the selected type of sewing machine (mode) with P3 and P8
- V. Check setting by briefly starting to sew and trimming



B11018

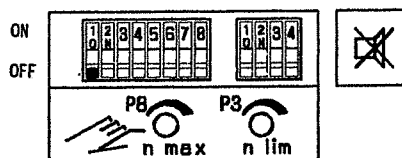
Programming of the final stages (only when programming mode is on)						
Mode	Final stage	S4	S3	S2	Effect potentiometer P8	Effect potentiometer P3
Lock stitch 1	MII FA	R	L	L	none	none
	MIII FW	L	R	L	none	FW operating time (t6)
	MI FL	L	L	R	delay after FW (t7)	start delay after FL (t3)
Lock stitch 2	MII FA	R	L	L	none	FA operating time (t8)
	MIII ML	L	R	L	none	none
	MI FL	L	L	R	delay after FW (t7)	start delay after FL (t3)
Chain stitch 1	MII FA	R	L	L	none	FA operating time (t8)
	MIII FW	L	R	L	delay from end of FA to FW (t9)	FW operating time (t6)
	MI FL	L	L	R	delay after FW (t7)	start delay after FL (t3)
Chain stitch 2	MII FA	R	L	L	none	FA operating time (t8)
	MIII FW	L	R	L	delay from beginning of FA to FW (t9)	FW operating time (t6)
	MI FL	L	L	R	delay from beginning of FA to FL (t7)	start delay after FL (t3)
Overlock	MII FL	R	L	L	none	FA operating time (t8)
	MIII ML	L	R	L	none	none
	MI FL	L	L	R	delay after FW (t7)	start delay after FL (t3)
Stitch condensing	MII FA	R	L	L	none	FA operating time (t8)
	MIII STV	L	R	L	start delay -> stitch condensing (t9)	stitch condensing operating time (t6)
	MI FL	L	L	R	delay from beginning of FA to FL (t7)	start delay after FL (t3)



B11023

FA = thread trimmer/trimming (max. 3A) FW = thread wiper/wiping(max. 3A)
 FL = presser foot lifting (max 6.5A) ML = motor running (max. 3A)
 STV = stitch condensing (max. 3A)

- VI. S9/1 = OFF - Programming mode OFF



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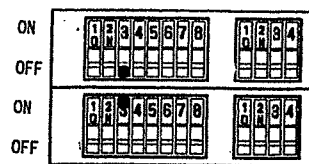
- VII. Set P8 (max. operating speed) at original value

Further functions that can be set with S9/...

I. Function of the switch (pushbutton) connected to socket B3, blocking of machine run or needle up/down

I.I S9/3 = OFF - S61 causes needle up and/or needle up/down (dependent on S9/2, no blocking of machine run)

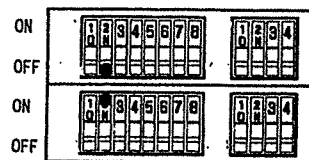
I.II S9/3 = ON - S61 causes blocking of machine run (Funktion Nadel hoch/tief entfällt)



II. Needle up or up/down

II.I S9/2 = OFF - Needle up/down

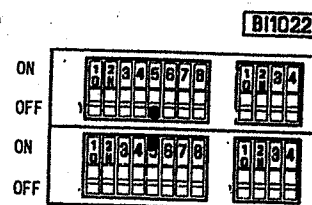
II.II S9/2 = ON - Only needle up



III. Blocking of machine run as break contact (N.) or make contact (N.O.)

III.I S9/5 = OFF - Blocking of machine run with open switch contact

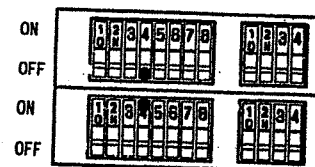
III.II S9/5 = ON - Blocking of machine run with closed switch contact



IV. Presser foot lifting at seam end

IV.I S9/4 = OFF - Presser foot lifting not automatic

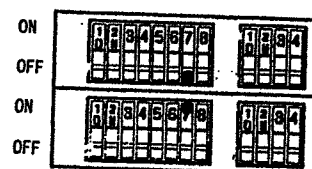
IV.II S9/4 = ON - Presser foot lifting automatic



V. Softstart on/off

V.I S9/7 = OFF - Softstart off

V.II S9/7 = ON - Softstart on



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