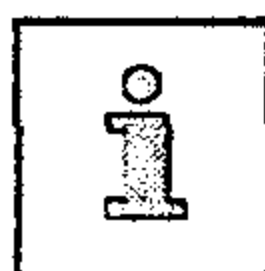# PFAFF

Supplement to the instruction manual
for machines with SRP or –948/51

1 Supplement for machines with SRP

1.01 SRP-System (Speed responsive pressurefoot control)

By means of a linear motor, the SRP-system makes it possible to adapt the pressure on the presser foot to suit the respective sewing speed or the workpiece. In addition the clearance under the presser foot can be adjusted individually.

All adjustments are made by changing the parameters (See Chapters 1.03 and 1.04)

1.02 Knee switch

Fig. 1
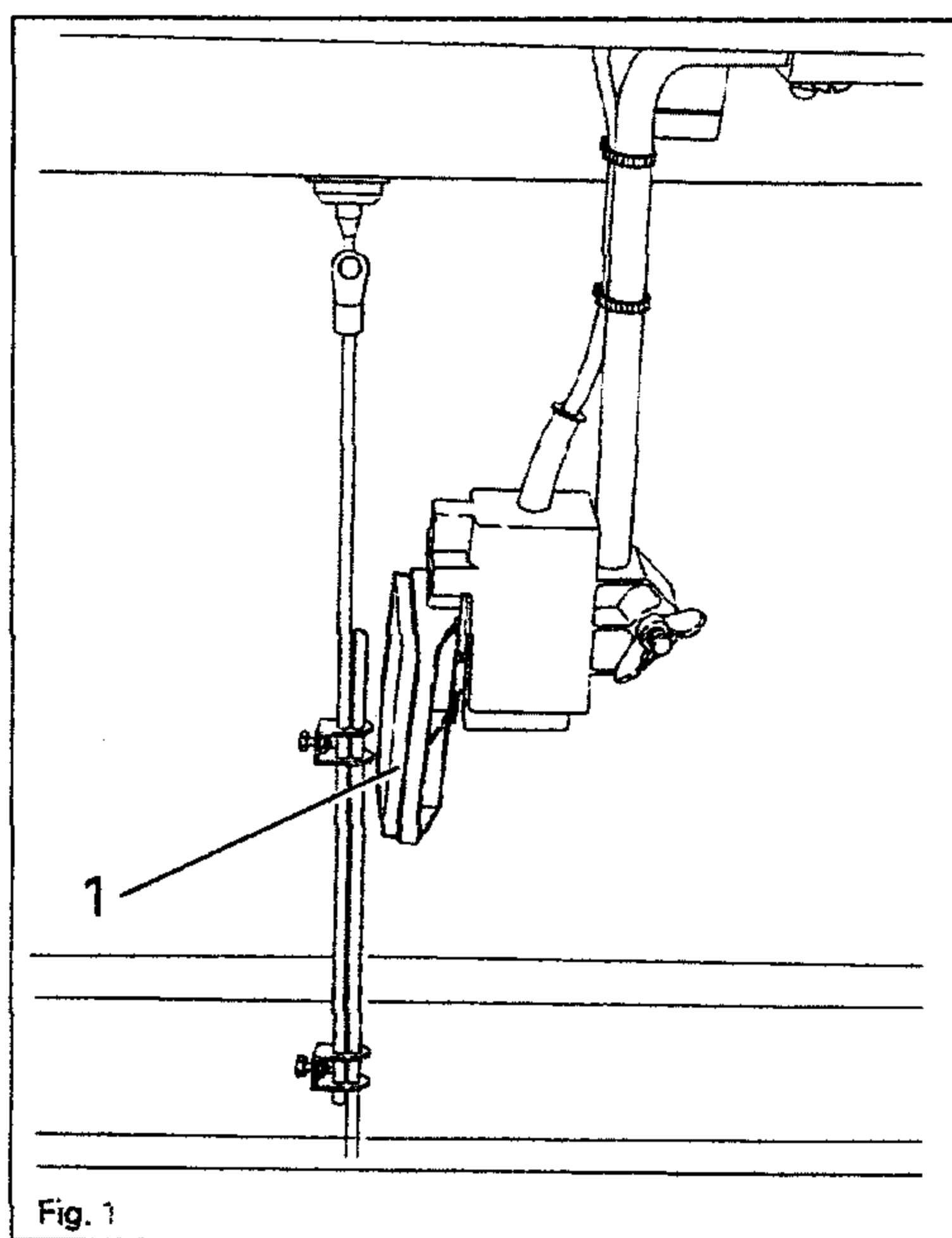
● By operating knee switch 1, the presser foot can be raised when sewing is interrupted.
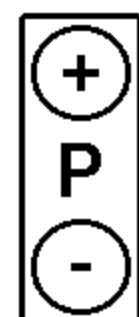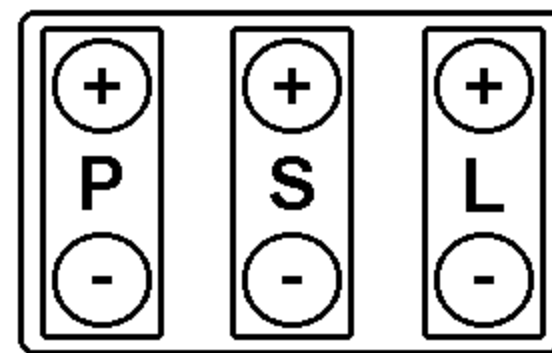
1.03 Selecting and altering parameters

● Press and hold key PE and TE simultaneously.
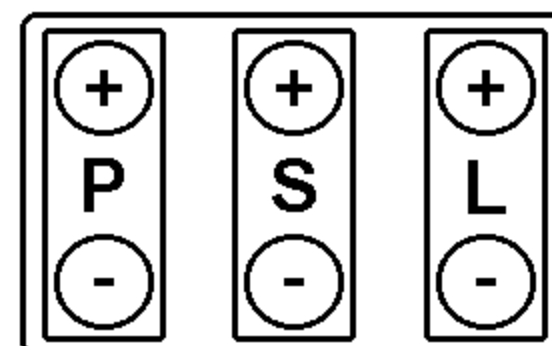
● Switch on the machine.

● Press the **Parameter input key** (LED on).

$$100$$
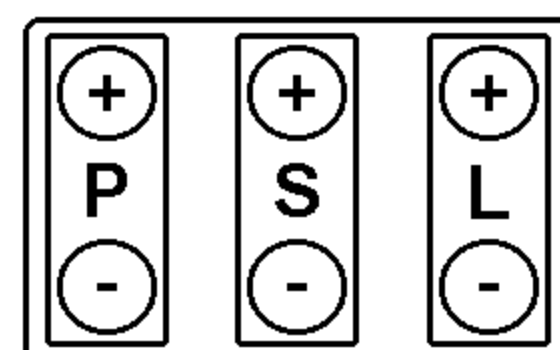
● By pressing +/- on the P key select the desired group, e.g. "200".

$$200$$

● By pressing +/- on the S key select the desired parameter, e.g. "250".

$$250$$

● Set the desired value (e.g. clearance under the presser foot) by pressing +/- (L key).

● Save the input by ending the parameter input (LED off).

1.04   List of parameters   **For S.R.P. machines**

Group	Parameter	Description	Access level	Setting range	Standard value
2	250	Presser foot clearance when raising presser foot with automatic presser foot lift	B, C	0 – 255	190
	251	Presser foot lift delay	B, C	0 – 255	5
	252	Presser foot clearance when raising pressure foot with knee switch	B, C	0 – 255	150
	255	Presser foot pressure dependent on speed	B, C	0 – 10	5
	256	Constant presser foot pressure before sewing	B, C	0 – 32	10
	257	Constant spring pressure during the feed phase	B, C	0 – 90	60
	258	Machine class 1 = 1051 and 1181 2 = 1053 and 1183	B, C		II
	259	Beginning of the presser foot pressure (on the 1051 and 1181)	C	0 – 126	12
	260	End of the presser foot pressure (on the 1051 and 1181)	C	0 – 126	67
	261	Beginning of the presser foot pressure (on the 1053 and 1183)	C	0 – 126	81
	262	End of the presser foot pressure (on the 1053 and 1183)	C	0 – 126	126

For more information and displays see the motor instruction manual.

2.01   Puller -948/51

By permanently turning the puller roller, the puller enables to a great extent sewing without the workpiece shifting and puckering. The linear motor of the puller enables individual clearance space between the needle plate and puller roller.

All adjustments such as puller feed motion, clearance under the puller roller etc. can be made by changing the parameters (see Chap. 2.03 and 2.04).

2.02   Puller functions

Fig. 2
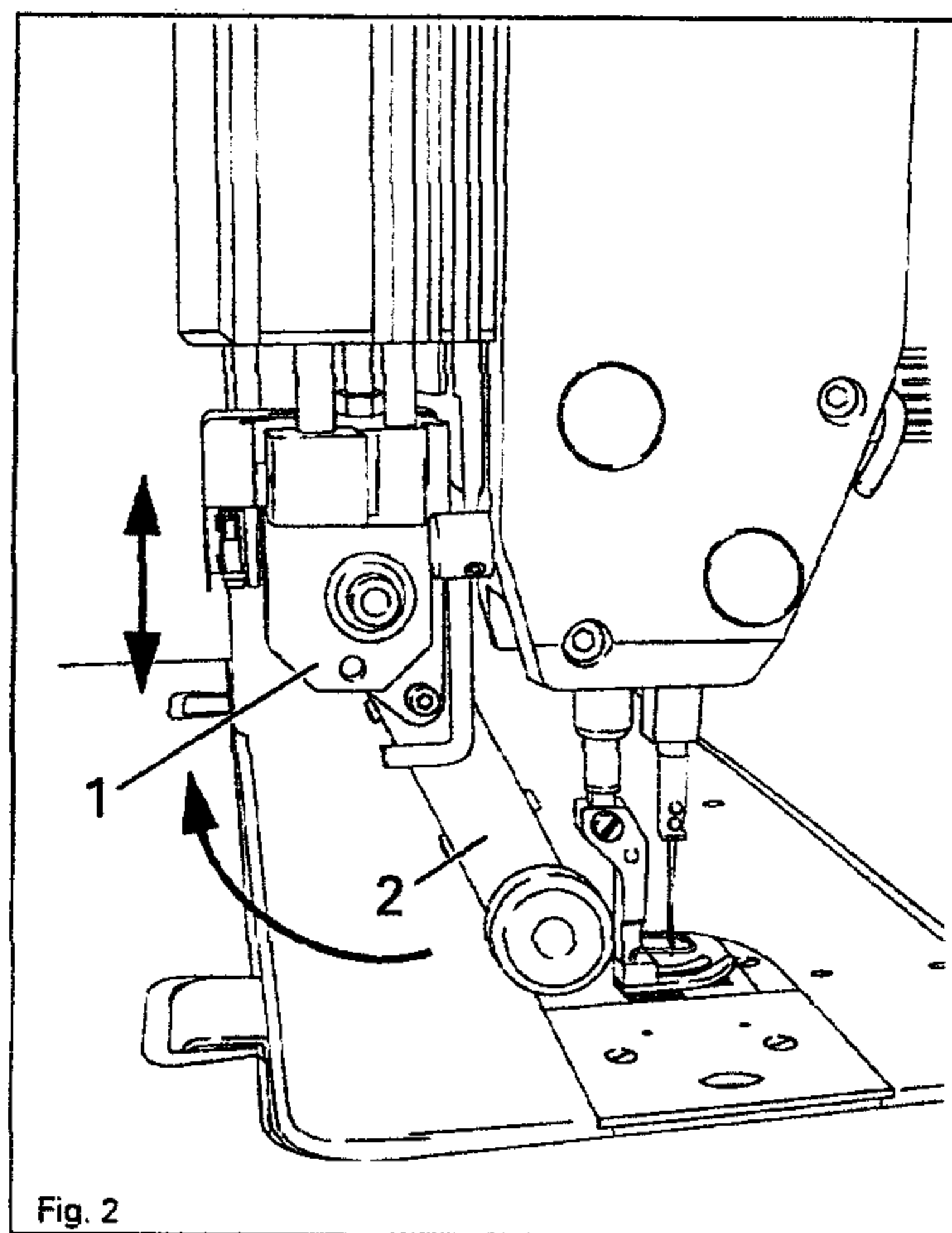
Engaging/disengaging the puller
● Raise the puller drive unit 1 until it locks into place and swing puller arm 2 back as far as possible. To engage the puller, follow the instructions in the reverse order.

Switching the puller on/off
● The puller is automatically switched on or off when the puller unit is engaged or disengaged.

Setting the puller feed motion
● The feed motion of the puller is set by means of parameters (see Chap. 2.04 **List of parameters and the Motor Instruction Manual**)

2.03 Selecting and altering parameters

- Press and hold key PE and TE simultaneously.

- Switch on the machine.

- Press the **Parameter input** key (LED on).

100

- By pressing +/- on the P key select the desired group, e.g. "200".

200
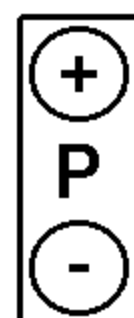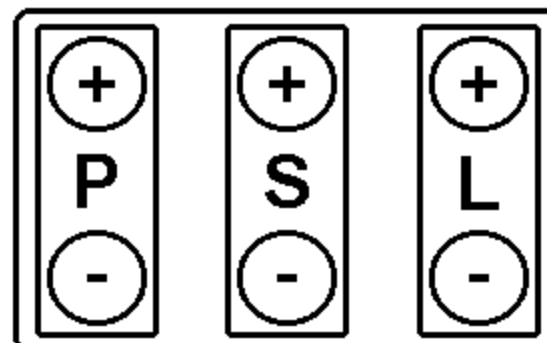
- By pressing +/- on the S key select the desired parameter, e.g. "252".

252

- Set the desired value (e.g. clearance under puller roller) by pressing +/- (key L).

- Save the input by ending the parameter input (LED off).

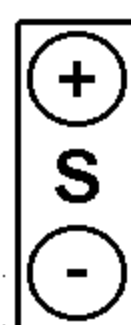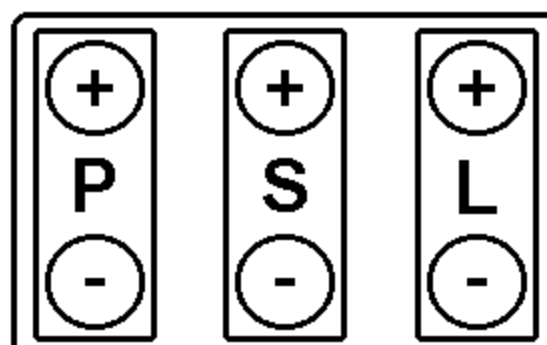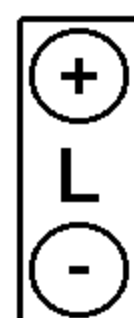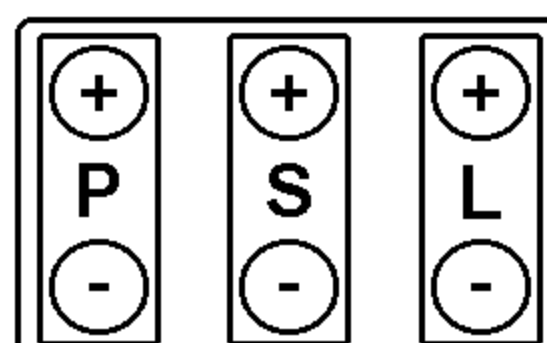| Group	Parameter	Description	Access level	Setting range	Standard value
2	252	Clearance under puller roller when presser foot is raised or during backtacking	A, B, C	0 – 252	110
	253	Puller starting time in intermittent range (on the PFAFF 1051 and 1181) (on the PFAFF 1053 and 1183)	B, C B, C	0 – 128 0 – 128	10 70
	254	**Height of the puller roller after the cutting action**	B, C	0 - 255	120
	255	Roller pressure dependent on sewing speed	B, C	0 – 10	2
	256	Constant roller pressure	B, C	0 – 31	8
	259	Raising the puller roller by turning the balance wheel manually	B, C	0 – 255	18
	260	Feed motion of the puller roller	A, B, C	0 – 60	30
	261	Starting properties of the puller roller	B, C	0 – 255	75
	262	Advance of the puller roller in intermittent operation	B, C	0 - 255	40
	264	Rotary speed of the puller roller during initialisation after switch-on	B, C	0 - 255	113
	265	Run time of the puller roller after switch-on	B, C	0 - 255	3
	266	**Height of puller roller after the machine is switched on**	B, C	0 - 255	140
	267	Holding current of the puller roller	B, C	0 - 255	80
4	445	No. of stitches after the machines starts before the puller roller makes contact	B, C	0 – 255	0
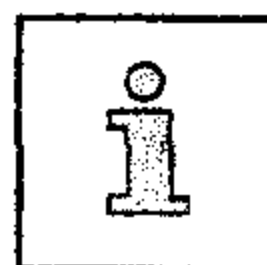
For more information and displays see the motor instruction manual.

Parameterliste zum Puller 948/51
zur Baureihe 1050/1180. E-Prom: 7Z 060 A

Parameter	Berechtigungsebene	Einstellbereich	Standardwert	Ist-Wert
252	A, B, C	0 - 252	110	
253	B, C	0 - 128	10 oder 70	
254	B, C	0 - 255	120	
255	B, C	0 - 10	2	
256	B, C	0 - 31	8	
259	B, C	0 - 255	18	
261	B, C	0 - 255	75	
262	B, C	0 - 255	40	
264	B, C	0 - 255	113	
265	B, C	0 - 255	3	
266	B, C	0 - 255	140	
267	B, C	0 - 255	80	
278	A,B,C	0 - 60	10	
279	A,B,C	0 - 60	30	
280	A,B,C	0 - 60	50	
445	B,C	0 - 255	0	

Parameter

252	Durchgang unter der Pullerwalze beim Verriegeln.			
253	Pullerstartzeitpunkt im intermittierenden Bereich. (KL 1051/1181= 10, KL 1053/1183 = 70)			
254	Durchgang unter der Pullerwalze nach dem Schneiden.			
255	Walzendruck in Abhängigkeit zur Nähgeschwindigkeit.			
256	Konstanter Walzendruck.			
259	Anheben der Pullerwalze beim manuellen Drehen am Handrad.			
261	Anlaufverhalten der Pullerwalze.			
262	Vorschub der Pullerwalze im intermittierendem Betrieb.			
278	Vorschub der Pullerwalze	F1.	Abrufbar wenn F5 aktiviert.	pre-select puller stroke
279	Vorschub der Pullerwalze	F2.	Abrufbar wenn F5 aktiviert.	pre-select puller stroke
280	Vorschub der Pullerwalze	F3.	Abrufbar wenn F5 aktiviert.	pre-select puller stroke
445	Anzahl der Stiche bis Puller ab.			

Initialisierung der Pullerwalze

264	Drehzahl der Pullerwalze beim Initialisieren nach dem Einschalten.
265	Laufzeit der Pullerwalze nach dem Einschalten.
266	Durchgangsraum der Pullerwalze nach dem Einschalten.
267	Haltestrom der Pullerwalze.

Stand; 10.08.2001   Dieter Gehrke

Parameterliste zum Puller 948/51
zur Baureihe 1050/1180

Parameter	Berechtigungsebene	Einstellbereich	Standardwert	IST – Wert bei 2,5mm Stichlänge
252	A, B, C	0 – 252	110	
253	B, C	0 – 128	10 oder 70	
254	B, C	0 – 255	120	
255	B, C	0 – 10	2	
256	B, C	0 – 31	8	
259	B, C	0 – 255	18	
260	A, B, C	0 – 60	30	
261	B, C	0 – 255	75	
262	B, C	0 – 255	40	
264	B, C	0 – 255	113	
265	B, C	0 – 255	3	
266	B, C	0 – 255	140	
267	B, C	0 – 255	80	

Parameter

252 Durchgang unter der Pullerwalze beim Verriegeln.
253 Pullerstartzeitpunkt im intermittierenden Bereich.
   (KL 1051/1181= 10,   KL 1053/1183 = 70)
254 Durchgang unter der Pullerwalze nach dem Schneiden.
255 Walzendruck in Abhängigkeit zur Nähgeschwindigkeit.
256 Konstanter Walzendruck.
259 Anheben der Pullerwalze beim manuellen Drehen am Handrad.
260 Vorschub der Pullerwalze.
261 Anlaufverhalten der Pullerwalze.
262 Vorschub der Pullerwalze im intermittierendem Betrieb.
445 Anzahl der Stiche bis Puller ab.

278 F1
279 F2
280 F3

Initialisierung der Pullerwalze

264 Drehzahl der Pullerwalze beim initialisieren nach dem Einschalten.
265 Laufzeit der Pullerwalze nach dem Einschalten.
266 Durchgangsraum der Pullerwalze nach dem Einschalten.
267 Haltestrom der Pullerwalze.