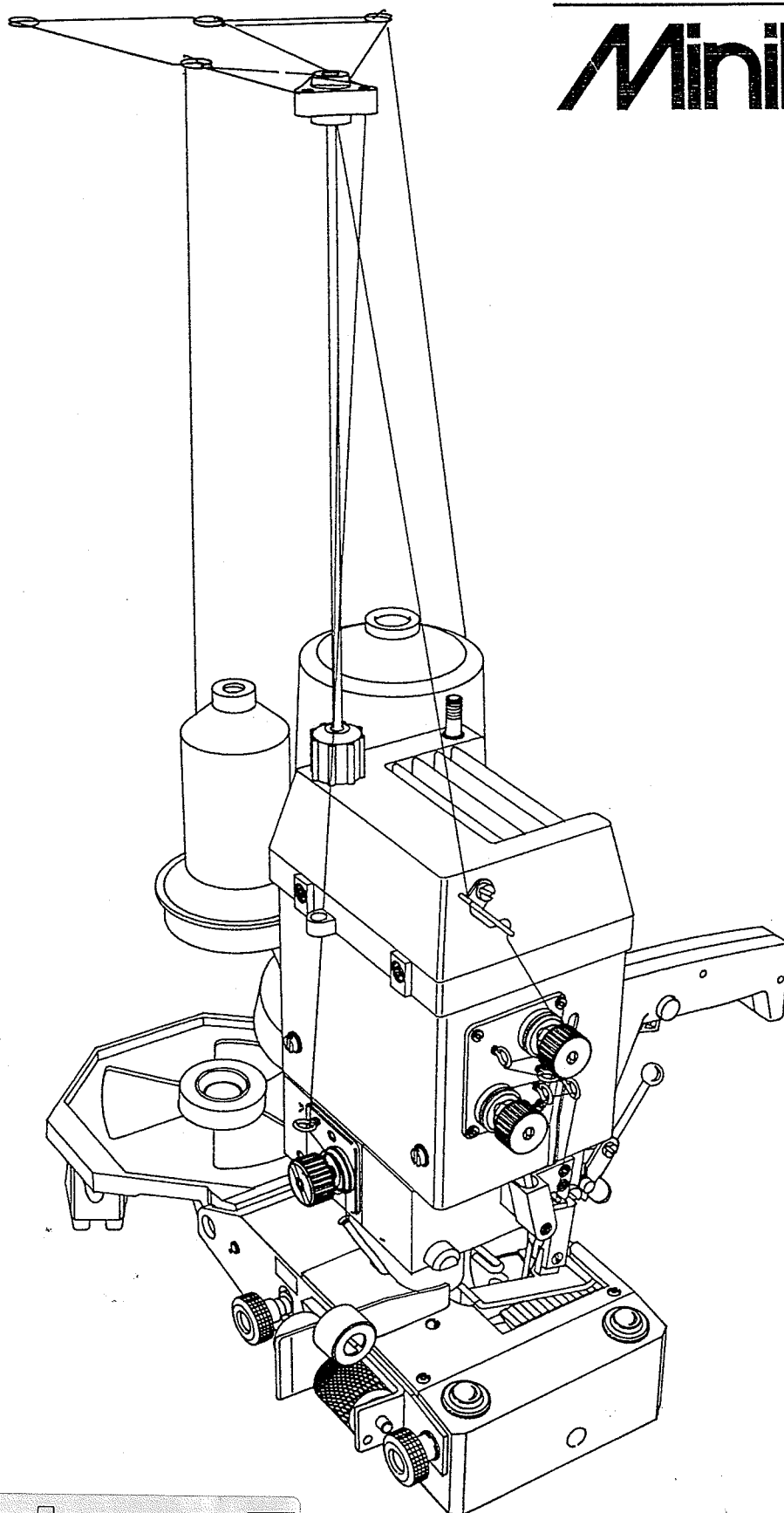


OPERATING INSTRUCTIONS

Miniket 2000



OPERATING INSTRUCTIONS

JUST A MINUTE PLEASE

We strongly advise that you, first of all, make yourself aware of the many useful features of your new machine.

The **MINIKET 2000** uses the overlocking stitch system.

It also features a digital throughput meter to register the volume of work carried out by the machine.

The pressure foot has an optional setting whereby the foot automatically lifts as a corner of the work piece approaches.

Along with all these new features the **MINIKET 2000** remains an easily transportable machine that is easy to use and can be just as readily taken along to the job as can the **MINIKET 1** and **MINIKET 2** machines that have already proved so popular.

In order to get the best out of your machine you must observe the operating instructions contained herein.

Check over the machine and its accessories to see whether any damage has been sustained during transport and ascertain that all accessories are present.

ACCESSORIES

- 1 Handgrip with controller built in.
- 1 Pair of scissors
- 2 Spare needles
- 1 Screw clamp
- 1 Locating block for bench mounting
- 1 Sample card of Industrial yarn
- 1 Allen key 3mm
- 1 Allen key 2,5mm
- 1 Combination Screwdriver
- 1 Threader (inserted in chamber in top of machine housing)
- 1 Operating instructions booklet

OPTIONAL ACCESSORY

- 1 Handgrip / controller extension handle

OPERATING INSTRUCTIONS

PREPARING THE MACHINE

Refer to illustration 1.

Take the machine out of the carrying case, pull the yarn platform locking lever upwards and unfold the yarn platform downwards until it locks in the lowered position.

Take the handgrip out of the accessories compartment in the carrying case and fit it onto the slotted receiving plate on the side of the machine housing next to the switch panel.

Insert the DIN plug into the socket in the switch panel.

Please ensure the correct orientation of the plug.

If using the handgrip extension handle, fit this to the receiving plate first and then attach the handgrip to the top end of the extension handle.

(Refer to illustration 2)

N O T E : THE HANDGRIP MUST LOCK INTO POSITION .

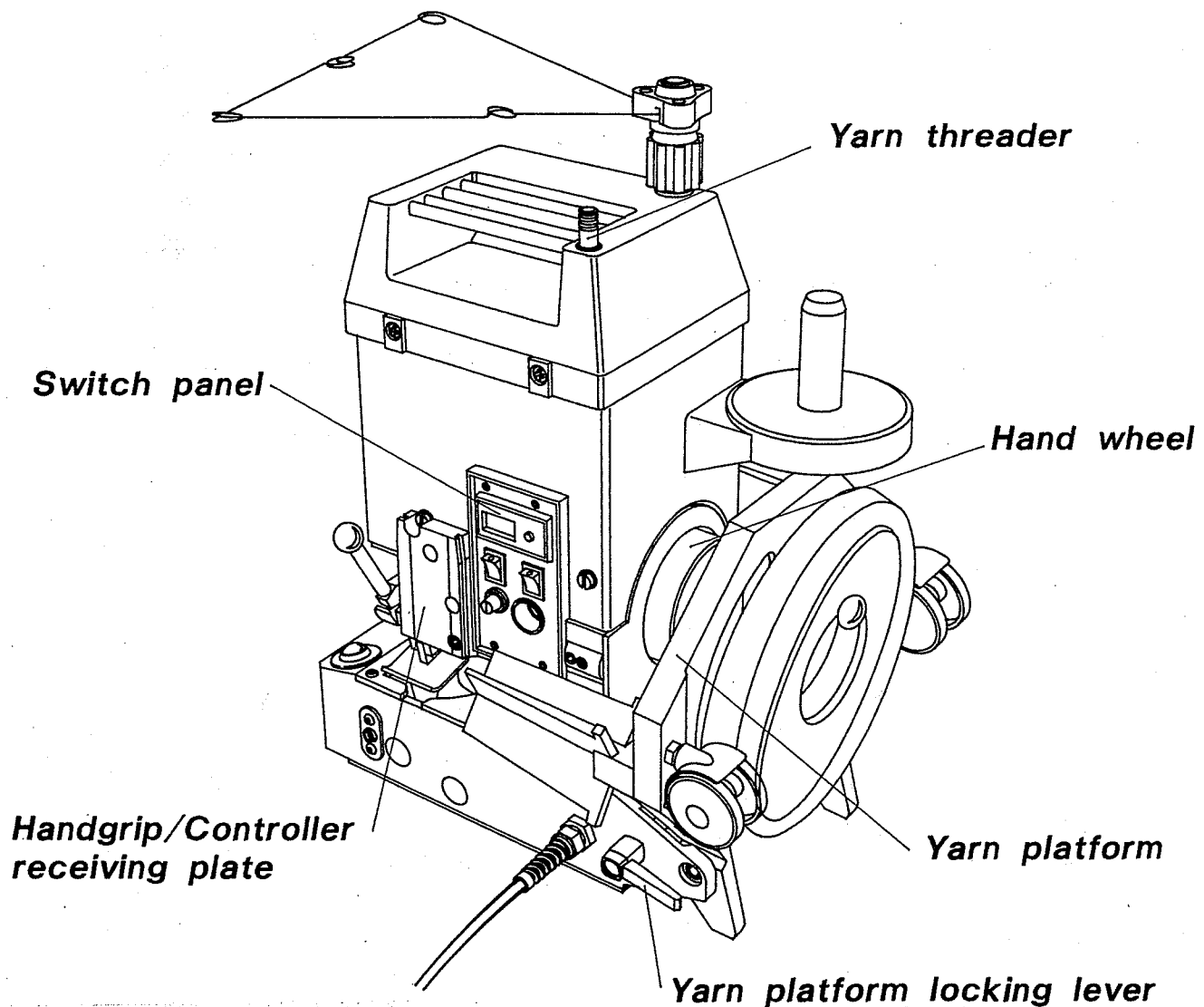


ILLUSTRATION 1

OPERATING INSTRUCTIONS

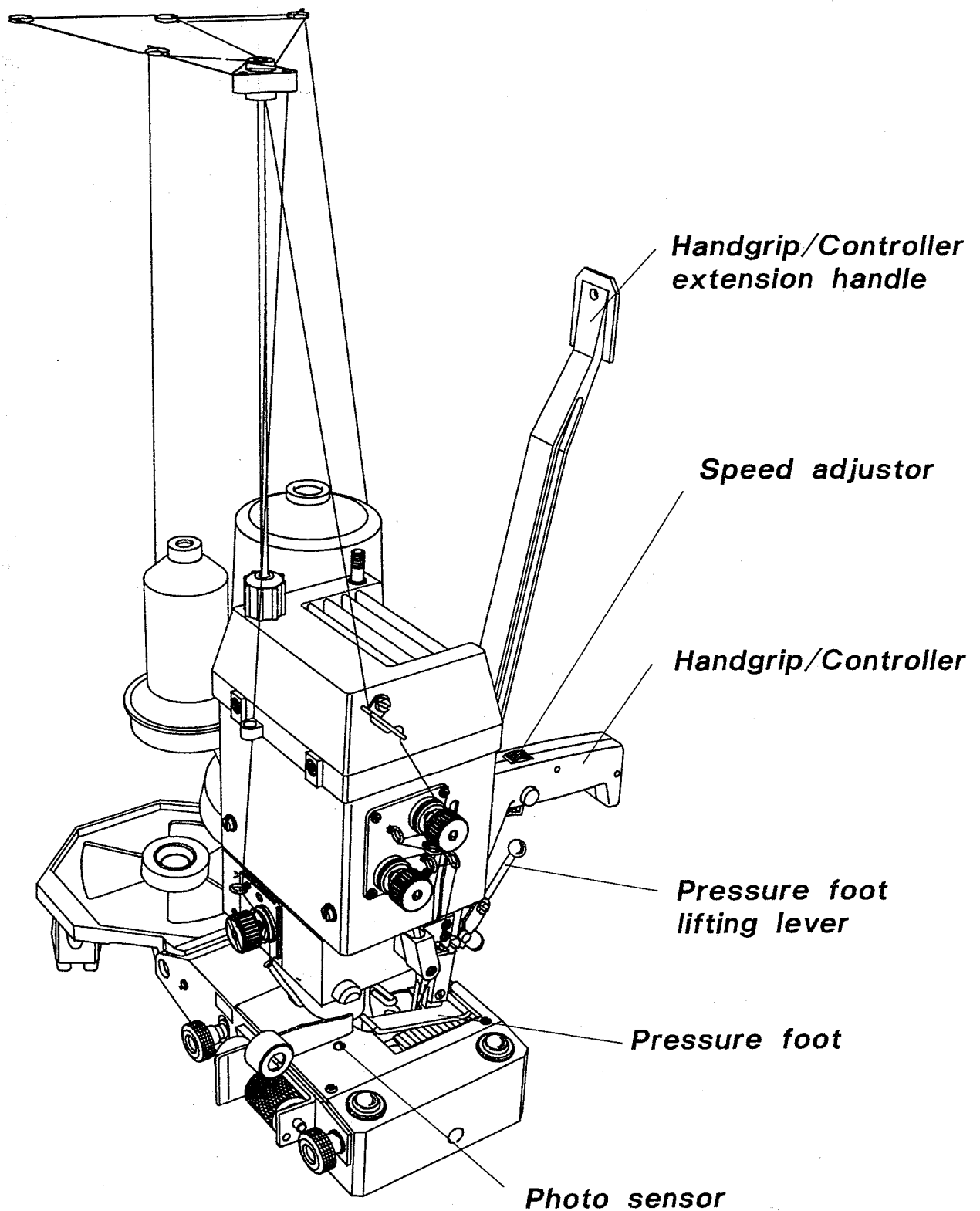


ILLUSTRATION 2

OPERATING INSTRUCTIONS

THREADING THE THREAD

The thread path is as shown in illustration 3. Finish by threading the needle.

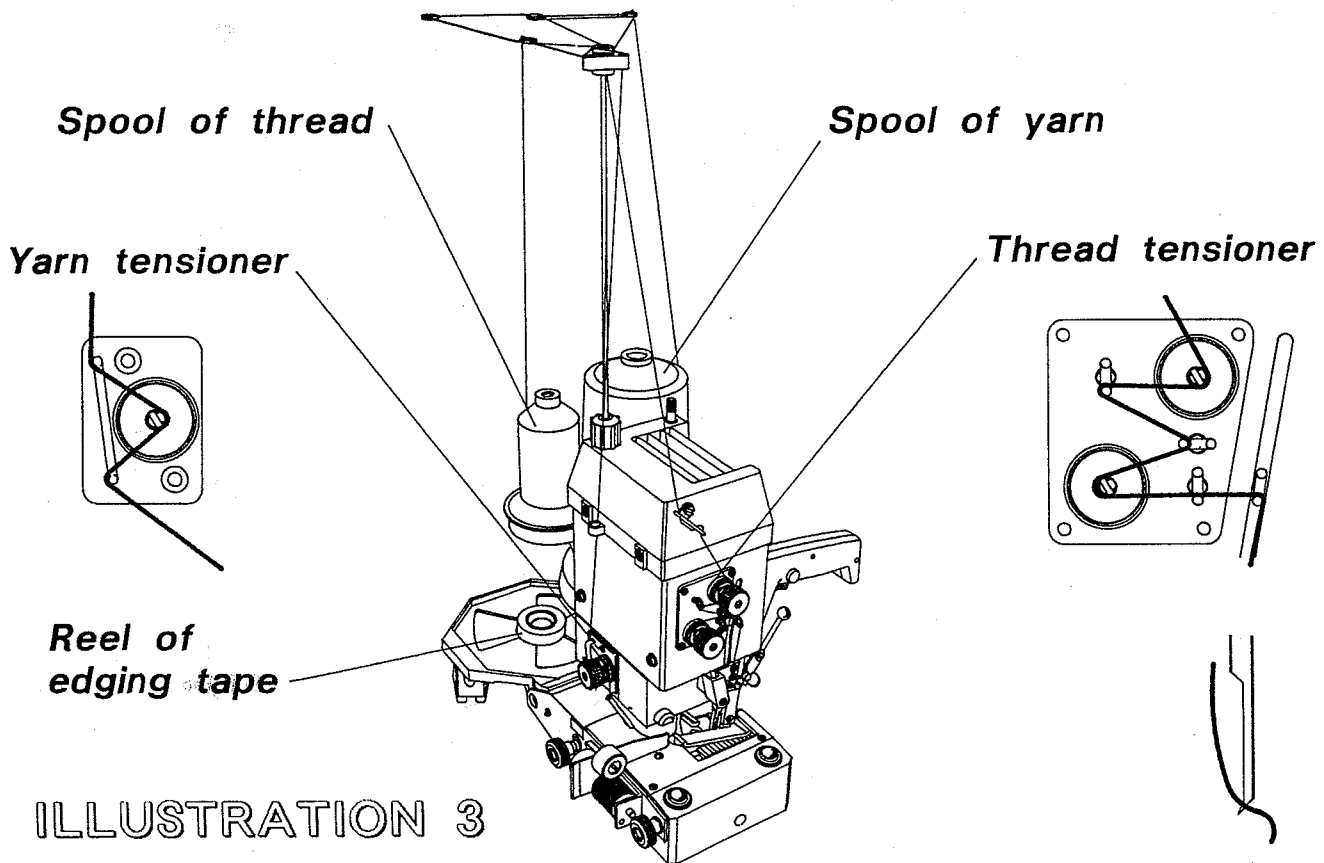


ILLUSTRATION 3

THREADING THE YARN

Refer to illustration 3 for guidance in threading until through the exit eye hooks of the tensioner. Draw approx. 15"(40cm) of yarn through the tensioner.

In order to thread the yarn through the mechanism in the base of the machine, the handwheel must be turned in the direction of the arrow until

- a) the looper finger with the forked end (the upper looper) is in the upper position.
(Refer to illustration 4)

- b) the eye hook on the front side of the housing is adjacent to the red arrowhead.

Insert the threader into the lower end of the threading tube where it emerges from the base of the machine on the same side as the handgrip/controller.

Push the threader up into the threading tube until it emerges from the upper end on the opposite side of the machine near the yarn tensioner.

(If the threader does not freely pass through, especially if the threader has been bent, it may be necessary to look through the opening in the stitching plate into the base of the machine and manipulate the hand wheel to ensure that the threader passes through the eye in the end of the lower looper.)

Hook the threader onto the yarn about 3"(8cm) from the free end of the yarn and pull the threader back out of the base of the machine, rotating the threader in the process.

**WARNING : NEVER LEAVE THE THREADER INSERTED
IN THE BASE OF THE MACHINE.
ALWAYS RETURN IT TO THE HOLDING CHAMBER
IN THE TOP OF THE MACHINE HOUSING.**

OPERATING INSTRUCTIONS

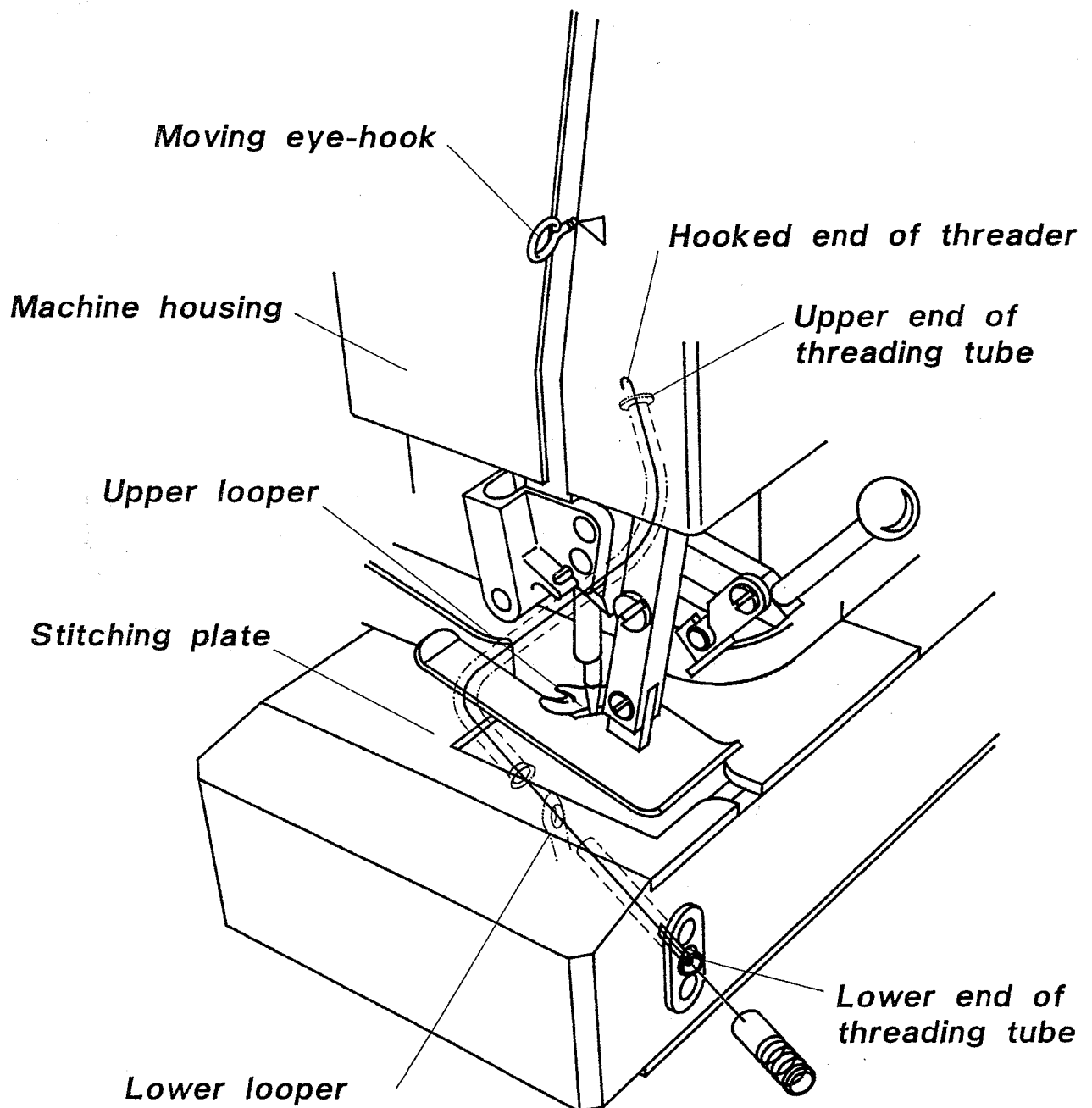


ILLUSTRATION 4

OPERATING INSTRUCTIONS

THREADING THE EDGING TAPE

The edging tape passes first through the hedgehog-tensioner and then through the guide/layer. There are two ways by which the tape can be fed through the guide/layer:

- a) For thin carpet and carpet skirtings best results are usually obtained when the tape is fed through the sleeve of the guide and passes directly out from the mouth of the guide onto the edge of the carpet. (See illustration 5/1)
- b) For thicker carpet the result is usually best when the tape is passed along outside the guide sleeve and threaded through the diagonal slot at the end of the tape guide from where it is layed onto the edge of the carpet from a higher position. (See illustration 5/2)

Back tension on the edging tape can be effected to different degrees depending on how the tape is threaded through the nails of the hedgehog-tensioner.

This will influence whether the tape is layed higher (with low back-tension) or lower (with high back-tension) on the edge of the carpet.

But also note that greater back-tension will result in a narrowing of the tape.

This narrowing should not be allowed to exceed 2mm.

If the tape tension is too high the carpet may slew on the stitching plate or become bunched up.

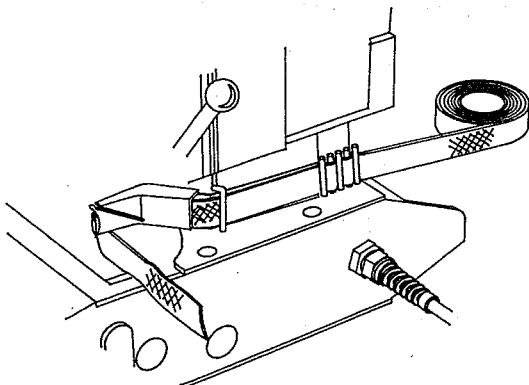


ILLUSTRATION 5/1

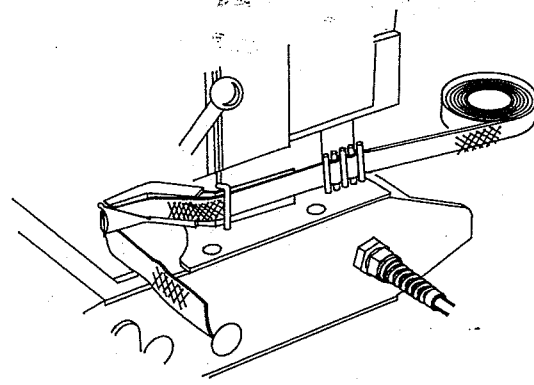


ILLUSTRATION 5/2

The following illustrations show suggested tensioning patterns

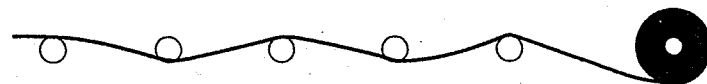
for low back-tension



for intermediate back-tension



for high back-tension



OPERATING INSTRUCTIONS

SWITCH PANEL

Refer to illustration 6.

1. Throughput meter
(Operates only when the strip overlocking guide is in position)
2. Zeroing button for throughput meter
3. Switch for pressure-foot lifting soleoid
4. Main switch
5. Socket for handgrip controller and for foot controller
6. Fuse

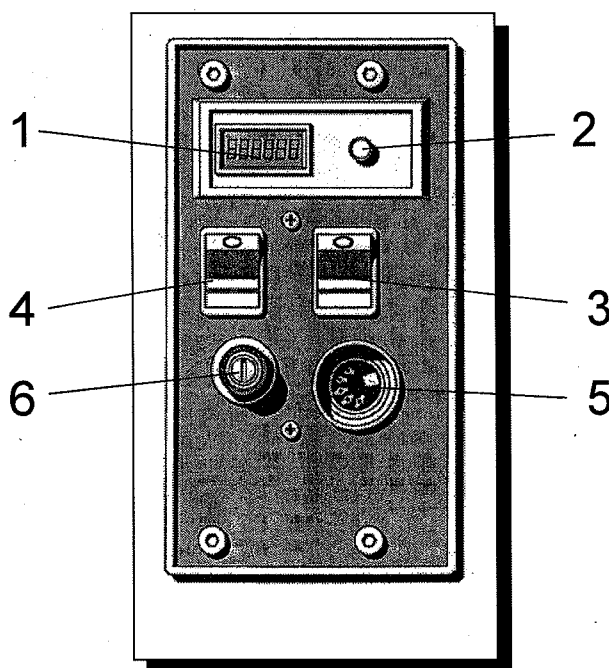


ILLUSTRATION 6

PREPARING FOR WORK

Switch the main switch on. The light built into the switch will illuminate the switch. Take hold of the ends of the thread, yarn and edging tape together in one hand (the left hand may be more convenient) and apply a slight tension.

With the other hand, take hold of the hand grip controller, depress the trigger with your index finger and turn the speed adjustor with your thumb to position 2 or 3.

The machine will begin to stitch a tailing. After about 5 stitches you can release the trigger (ie. stop the machine) and let go your hold of the thread, yarn and edging tape.

OPERATING INSTRUCTIONS

PROCEEDING TO OVERLOCK THE CARPET

With the pressure foot in the elevated position, take the carpet to be overlocked and insert the edge of the carpet under the pressure foot so that the back edge of the carpet bears against the end of the tape guide.

By use of the pressure foot lifting lever, lower the pressure foot onto the carpet and set the machine in motion.

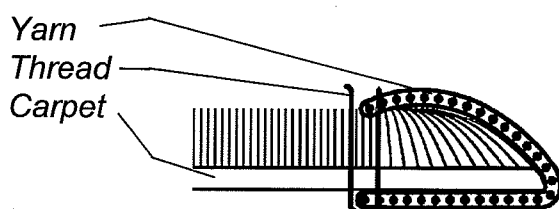
Assist the transport of the carpet until the start of the stitching emerges behind the pressure foot.

CHECKING OF THE STITCH QUALITY

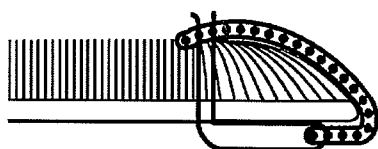
Refer to illustration 7.

When necessary, adjust the yarn tensioner and thread tensioner by turning the respective knobs until the stitch quality is to your satisfaction.

CORRECT STITCHING



YARN TOO TIGHT AND/OR THREAD TOO LOOSE



YARN TOO LOOSE AND/OR THREAD TOO TIGHT

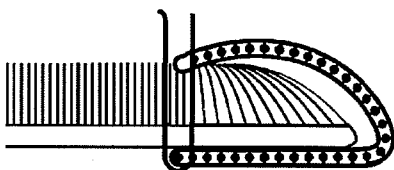


ILLUSTRATION 7

OPERATING INSTRUCTIONS

STITCH SPACING

Refer to illustration 8.

Depending on the type of backing on the carpet, the stitch spacing may need adjustment. This is done by means of the knob on the LH side of the base of the machine. Turning the knob clockwise will increase the spacing between the stitches and turning the knob anticlockwise will decrease the spacing.

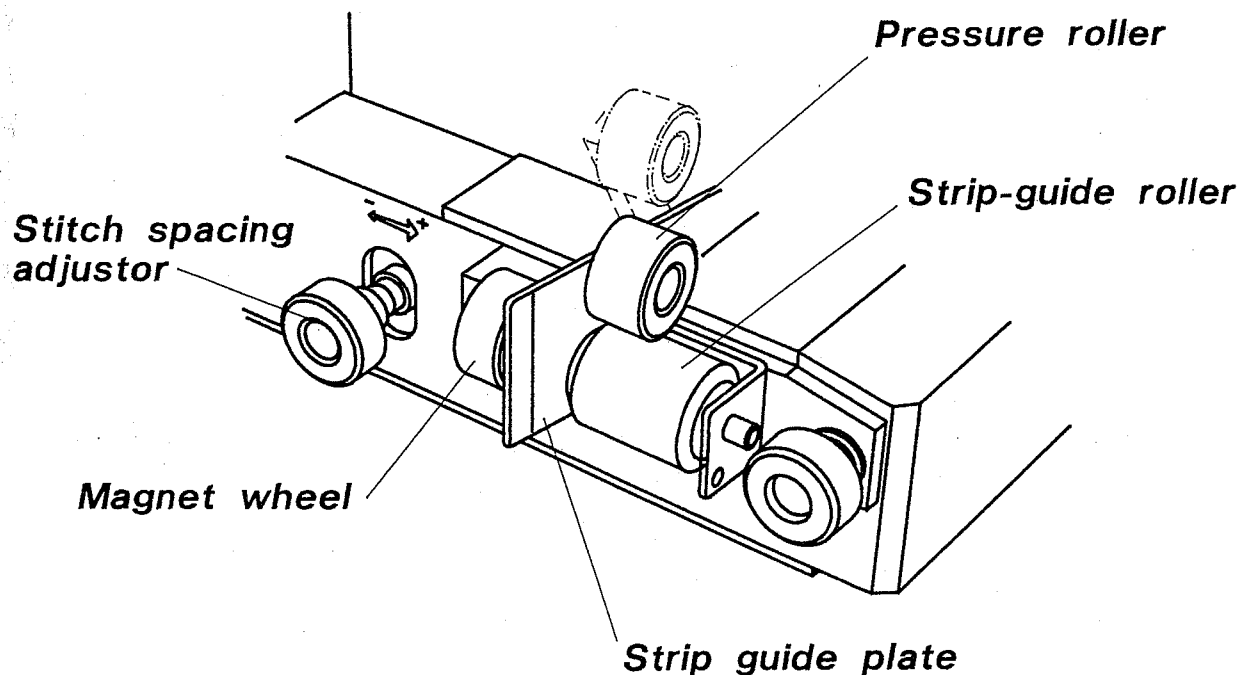


ILLUSTRATION 8

OVERLOCKING OF CARPET STRIPS

Refer to illustration 8.

The throughput meter in combination with the strip overlocking guide measures the length of strip overlocked. The guide roller, to which the counter magnet wheel is attached, is slightly angled to keep the edge of the carpet strip lightly bearing against the guide plate.

When the carpet strip is in position, lower the pressure roller onto the carpet surface to ensure positive traction on the guide/measuring roller.

THE MEASURE : Each revolution of the guide/measuring roller represents one unit on the counter and 10 cm of carpet throughput.

eg. If meter count = 245

Throughput = 2450 cm = 24.5 metres
(1 metre = approx 3.28 feet or 1.1 yards)

OPERATING INSTRUCTIONS

AUTOMATIC OPERATION OF THE PRESSURE FOOT

If the right hand switch on the switch panel of the machine is turned on, this will enable automatic activation of the lifting solenoid to lift the pressure foot when a corner of the carpet approaches.

This function only operates, however, when the speed setting of the machine controller is above 2.5.

A corner is detected by a light sensor in the base of the machine. When the light sensor is again covered by carpet (say after the corner has been negotiated) the pressure foot will be automatically lowered onto the carpet again after a delay of about 4 seconds.

It is recommended that the automatic pressure foot lifting facility be switched on when corners or curves of mats, for example, are to be overlapped.

CHANGING THE SEWING NEEDLE

Turn the handwheel on the rear side of the machine in the direction of the arrow until the needle is at its lowest position.

Loosen the two Allen screws in the bottom end of the needle driving shaft. Do not remove the screws completely.

Take hold of the needle and rotate it to loosen it in the socket of the driving shaft.

Turn the handwheel a quarter turn further, remove the old needle and insert the new one into the socket as far as it will go.

Tighten the lower locking screw lightly.

Turn the handwheel a quarter turn back, tighten the upper locking screw fully and then tighten the lower screw again if necessary.

Thread the needle.

RECOMMENDATIONS

Thick carpets 2.5 cm (ie. 1") thick or greater should only be overlapped with a speed setting of 4.

The sewing needle should be replaced after 5000 running metres of overlocking. (approx. 16,500 feet)

The machine should be generally cleaned once per week.

Have the machine fully checked over once per year.

OPERATING INSTRUCTIONS

PROBLEM SOLVING

PROBLEM	CAUSE	SOLUTION
<i>Missing stitches</i>	<i>Bad carpet quality</i>	<i>Change needle</i>
<i>Machine jammed</i>	<i>Readjust stitch spacing adjustor</i>	
<i>Auto lifting of pressure foot not working</i>	<i>Photosensor defective</i> <i>Photosensor dirty</i> <i>Speed too slow</i>	
<i>Speed adjustor not working</i> <i>Machine will only run on setting 6</i>	<i>Phase regulator defective</i> <i>Potentiometer in handgrip defective</i>	<i>Renew electronic control board</i> <i>Renew potentiometer</i>
<i>Carpet not being transported</i>	<i>Stitch spacing adjusted too closely</i>	<i>Helper looper caught in yarn</i> <i>Set stitch spacing a little coarser</i>
<i>Poor stitch profile</i>	<i>Needle worn</i> Yarn Yarn/Thread tension incorrect	<i>Change needle</i> <i>Readjust yarn/thread tension</i>
<i>Throughput meter not working</i>	<i>Magnet on roller not aligning with reed contact in base of machine</i> <i>Break in wiring</i> <i>Battery exhausted</i>	<i>Adjust magnet alignment</i> <i>Check wiring</i> <i>Replace meter</i> <i>(5 year battery is sealed within meter)</i>

OPERATING INSTRUCTIONS

PLEASE NOTE

To prolong the life of your MINIKET2000, the machine should be lubricated at intervals using the spray lubricant provided.

RECOMMENDATIONS

Refer to illustration 9.

*OIL-Position 1 : Turn the handwheel of the machine in the direction of the arrow until the needle is at its lowest position.
Spray the lubricant directly through the lubrication hole.*

OIL-Position 2 : Turn the handwheel, as above, until the needle is at its highest position. Spray the lubricant through the lubrication hole indicated in the illustration.

OIL-Position 3 : This lubrication hole is located in the handgrip receiving plate. Remove the handgrip and spray the lubricant into the small hole in the plate.

In each case the lubricant should be applied with no more than a 2 second squirt. Lubrication should be repeated after each 6 to 8 hours of running time.

OPERATING INSTRUCTIONS

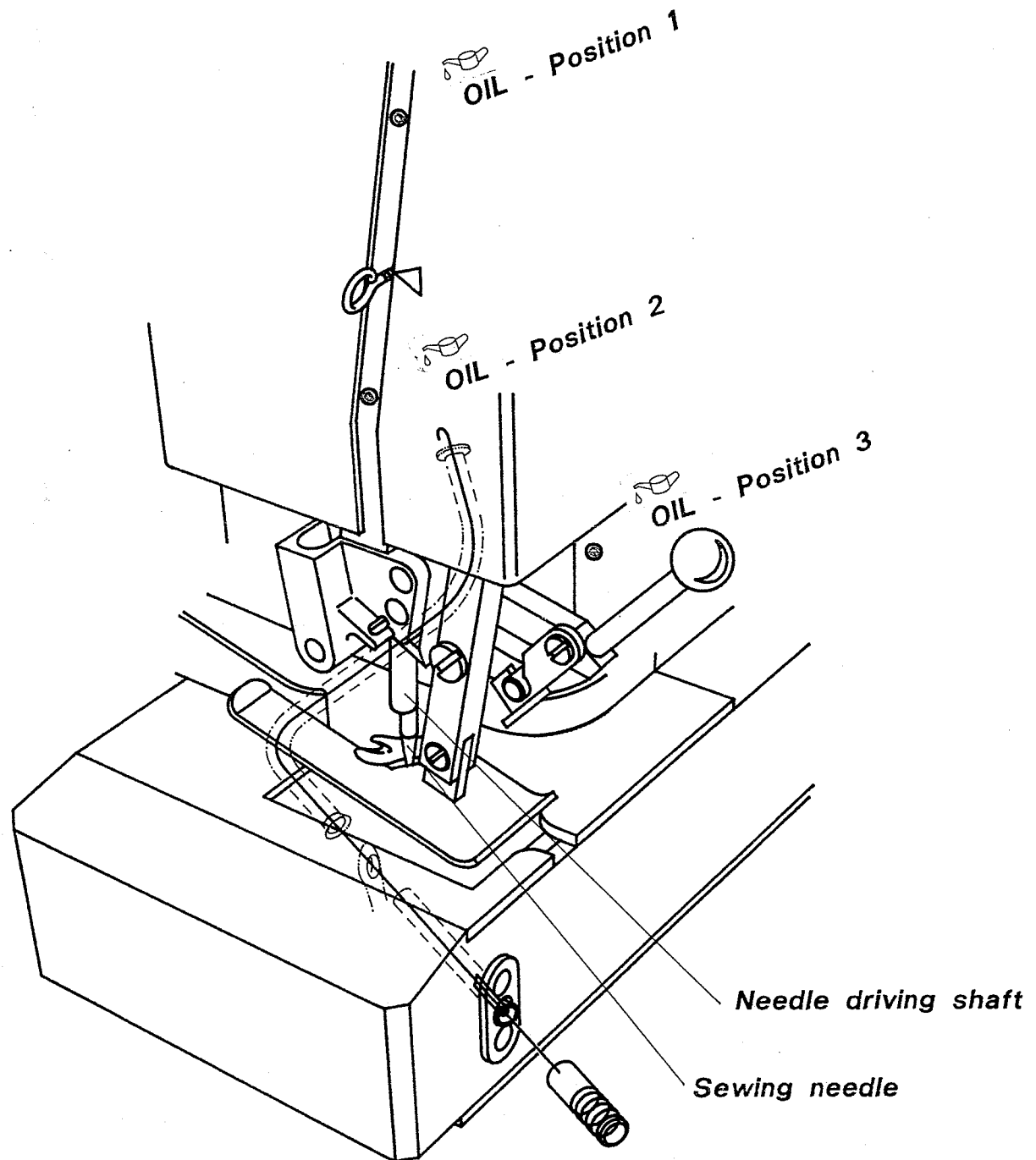


ILLUSTRATION 9

OPERATING INSTRUCTIONS

ELECTRONIC CIRCUIT BOARD

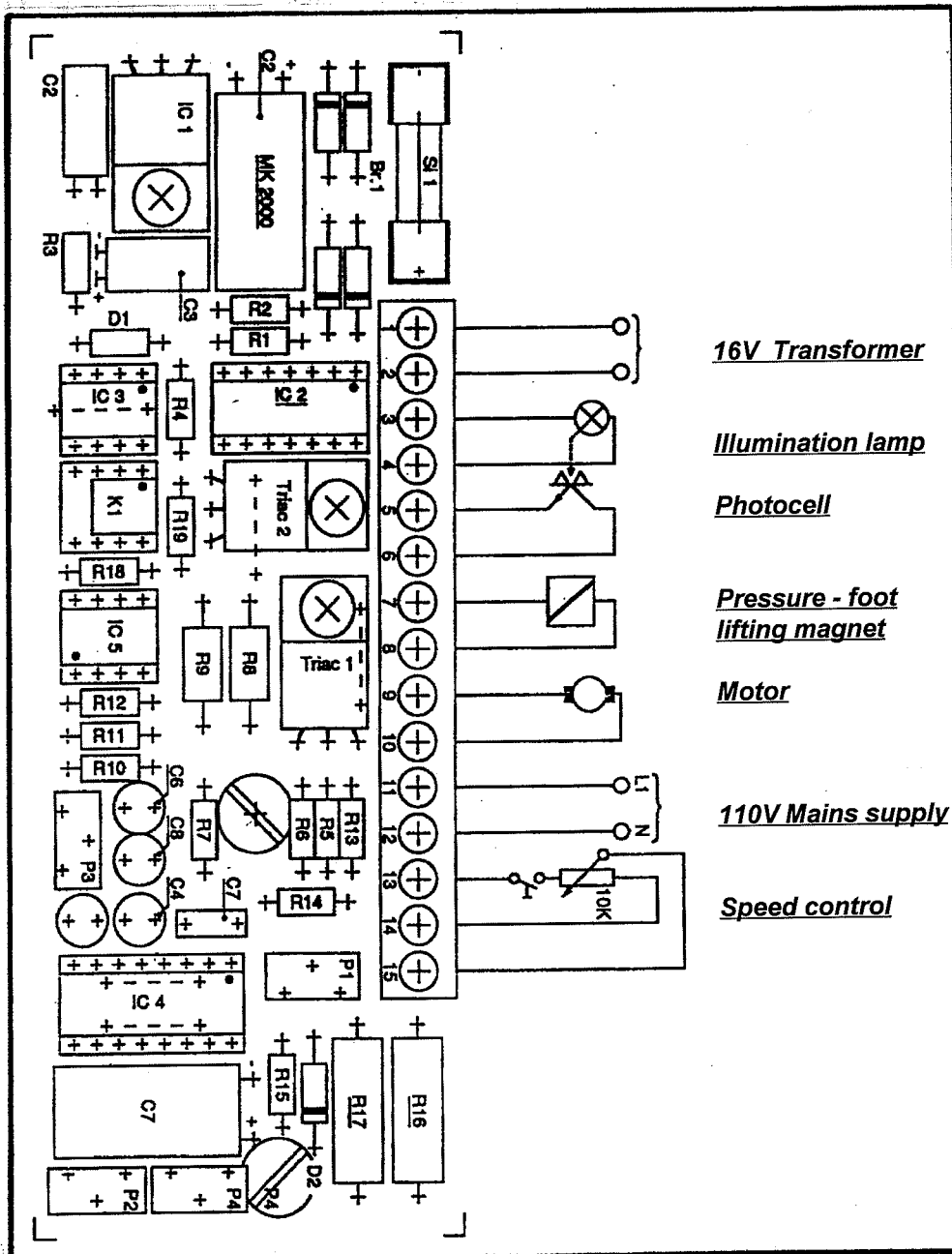
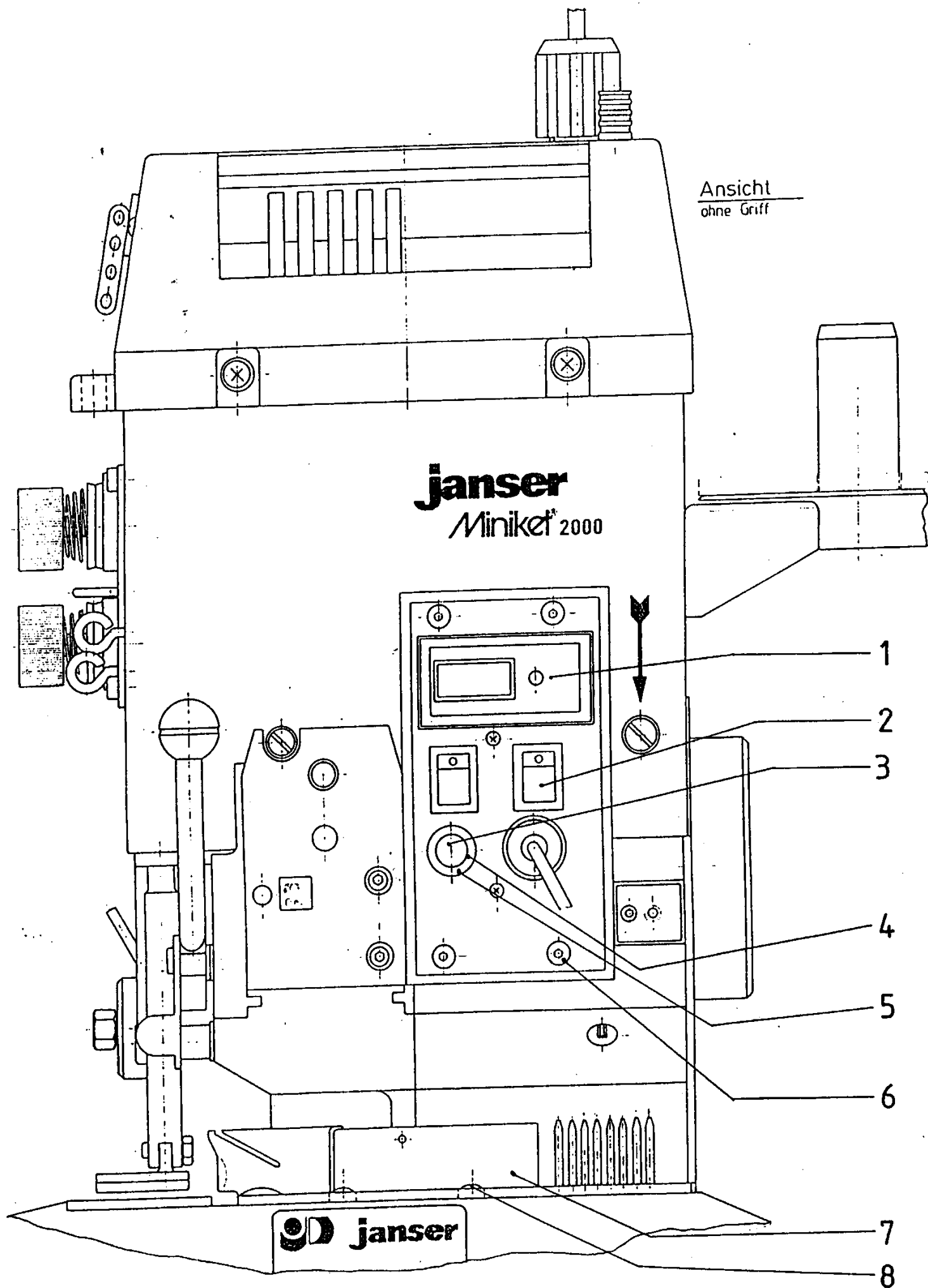
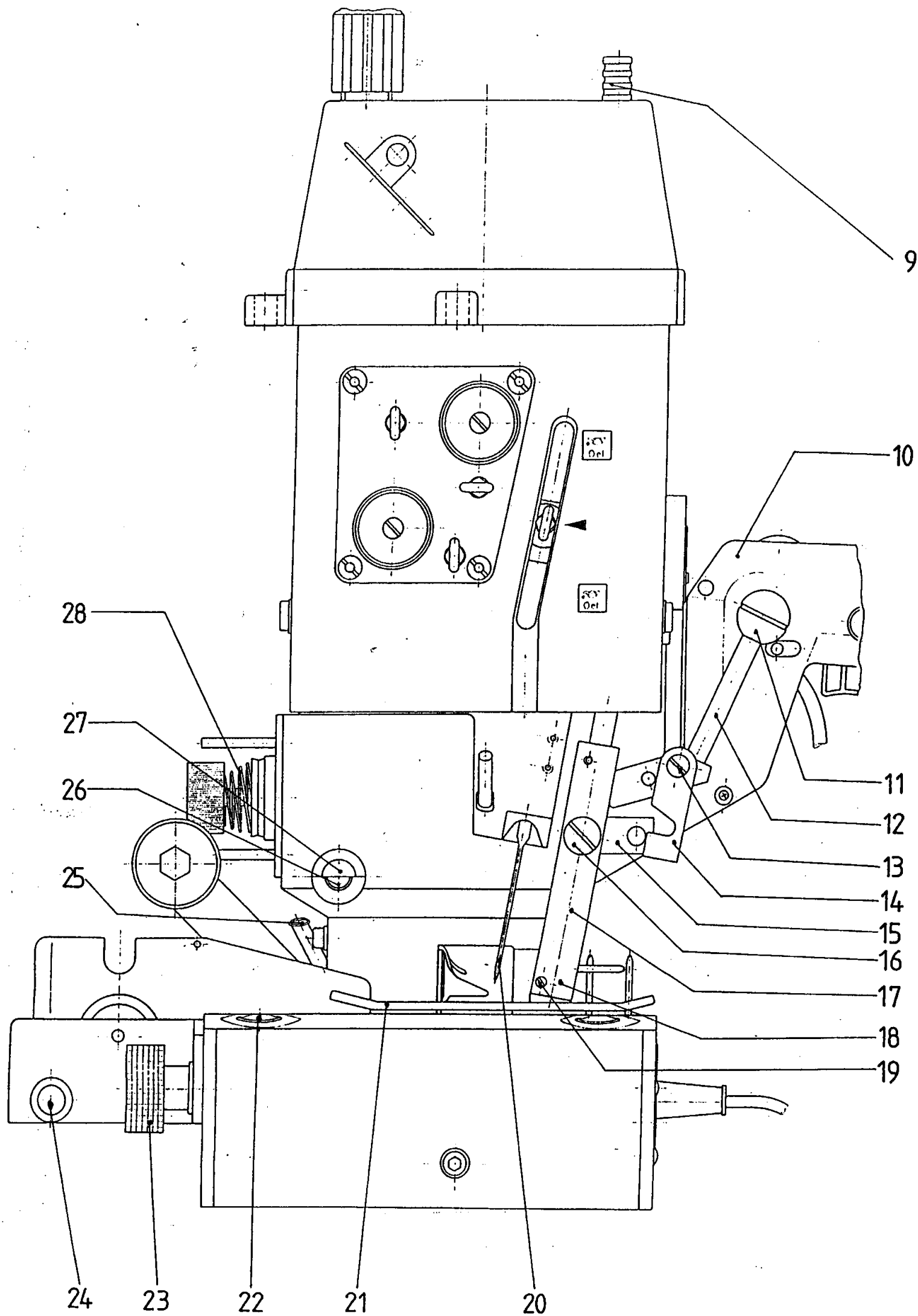
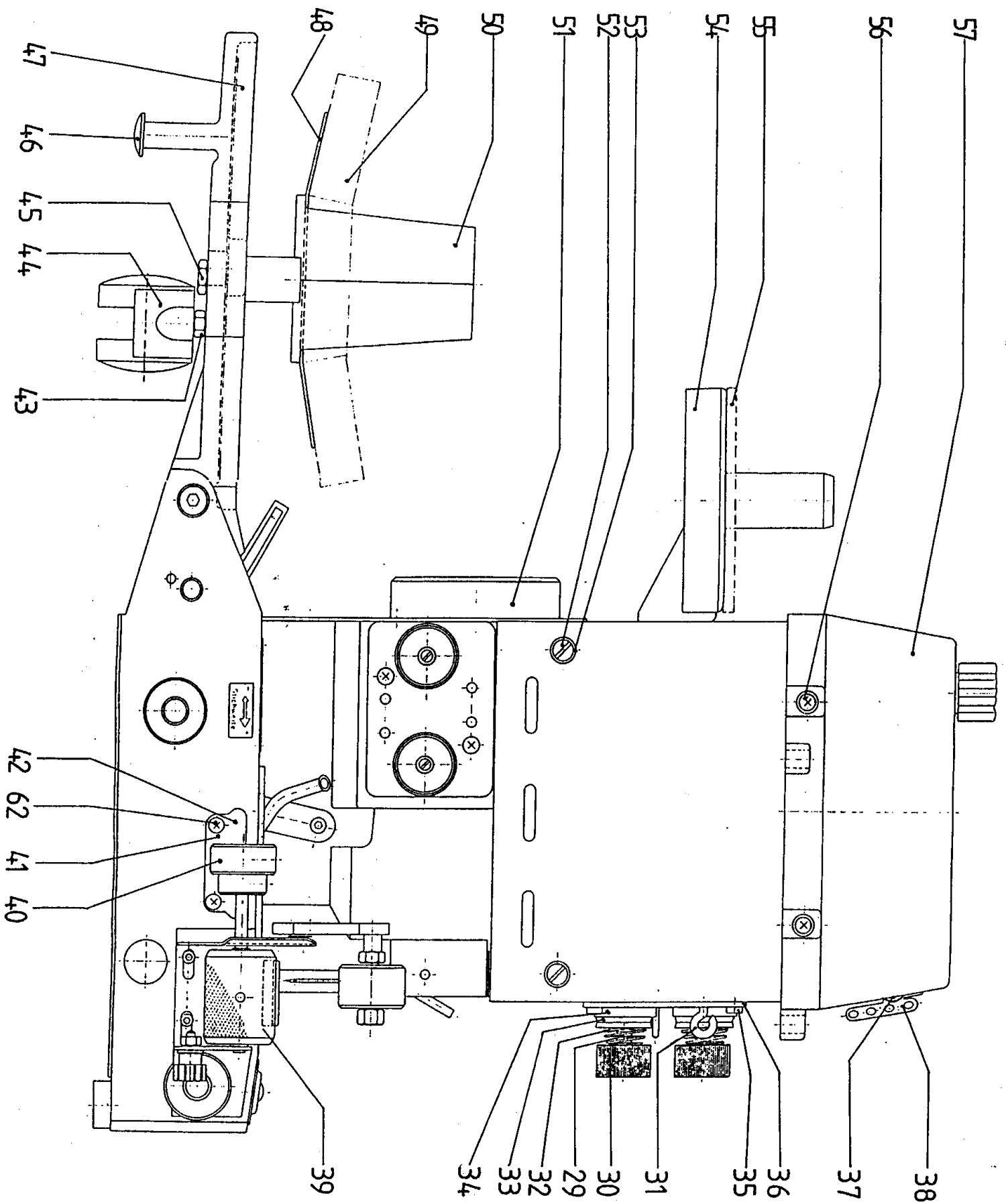
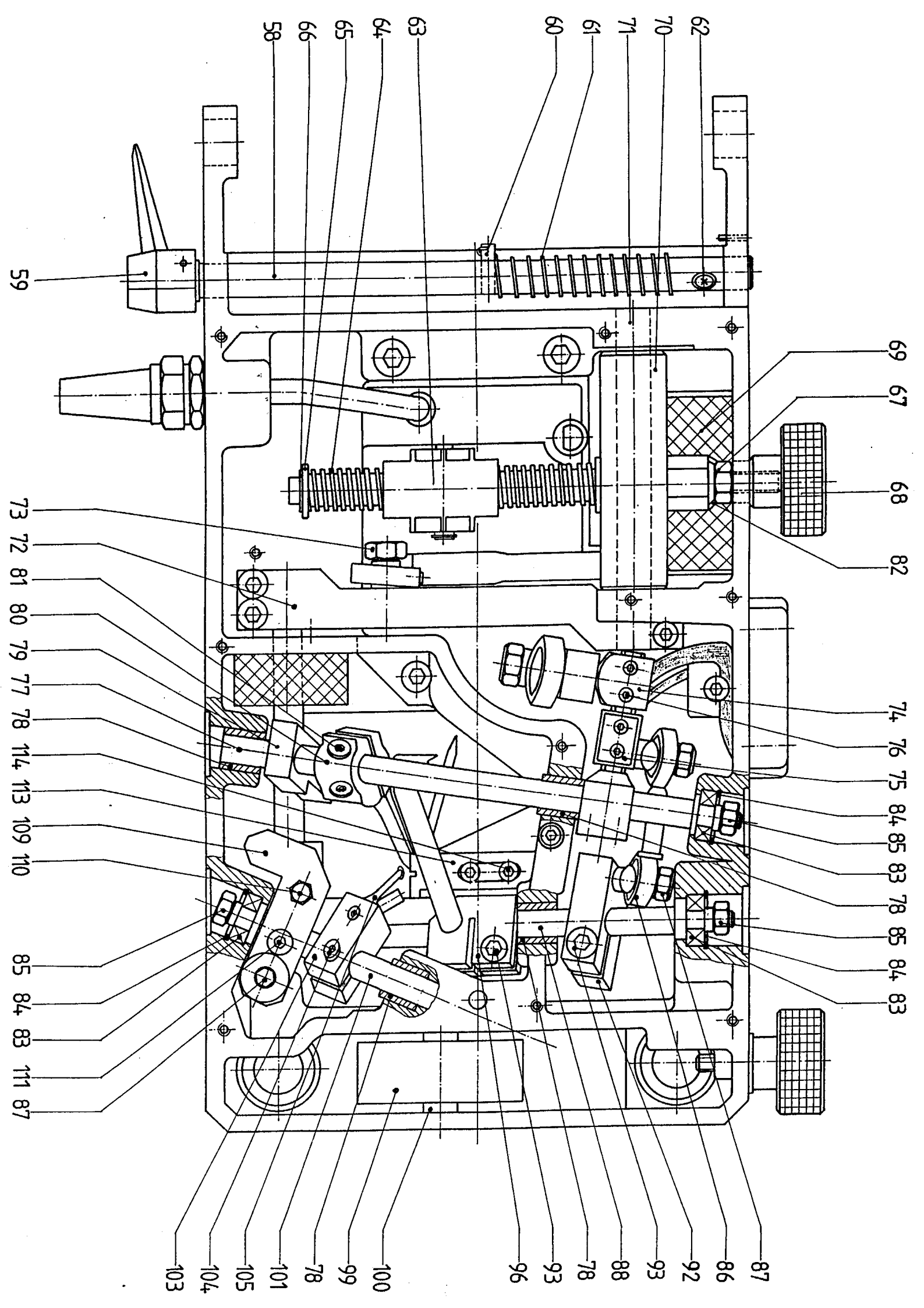


ILLUSTRATION 10









Ersatzteilliste

658000000

MINIKET 2000

Datum:20.10.2000

Seite 1

Pos	Art-Nr.:	Stk	Bezeichnung	Description
0001	658000221	1,00	Summenzähler	summary counter
0002	658000440	1,00	Ausschalter mit Signallampe	Switch with signal lamp
0003	067300052	1,00	Schraubenkappe zu Sicherungshalter	cap for fuse carrier
0004	067300037	1,00	Feinsicherung 1,6A 5x20mm	fine-wire fuse
0005	067300051	1,00	G-Sicherungshalter 5x20mm	Fuse carrier
0006	658000305	1,00	Linsenschraube innen 6kt M4x8-10,9	oval flat head screw with hexagonal recessed hole, M4*8-10,9
0007	658000360	1,00	Bandeinleger	Tape Guide
0008	658000306	1,00	Linsenschraube innen 6kt M5x12-10,9	oval flat head screw with hexagonal recessed hole, M5*12-10,9
0009	658000040	1,00	Fadenholer	Yarn Threader compl.
0010	658000100	1,00	Handgriff	Handle complete for Miniket 2000
0011	025002016	1,00	Kugelknopf	ball head
0012	658000032	1,00	Druckfußanlenkung	pressure foot gear
0013	004404011	1,00	Flachkopfschraube M4x2,5	flat head screw
0014	658400162	1,00	Stichweitenverstellung	stitch spacing adjustor
0015	658000120	1,00	Druckfußlasche mit Welle	feed dog dip with shaft
0016	004406019	1,00	Flachkopfschraube M6x10	flat head screw
0017	658000125	1,00	Druckfußstange	pressure rod
0018	658400177	1,00	Druckfeder	spring
0019	004304011	1,00	Zapfenschraube M4x8	trunnion screw
0020	658010000	1,00	Nadel	Needle
0021	658000089	1,00	Druckfuß beweglich	pressure foot movable
0022	658000378	1,00	Star-Kugelrolle	ball caster
0023	026002001	1,00	Rändelschraube M6x20	Knurled head screw
0024	026005001	1,00	Sterngriffschraube M4x10	star knob screw
0025	658000367	1,00	Durchführungsrohr	wall tube
0026	061801037	1,00	Glühlampe 24 Volt 3 Watt	Light bulb
0027	658000002	1,00	Aufnahme für Lichtfassung	fitting for light socset
0028	658000865	1,00	Kegeldruckfeder für Garnspanner D=1,00mm	Cone trust spring for yarn holder
0029	658000852	1,00	Bolzen Faden u. Garnspanner	Bolt for yarn and thread holder
0030	658000856	1,00	Rändelmutter Faden u. Garnspanner	Knurled head nut yarn tensioner
0031	658000857	1,00	Ösenschraube Faden u. Garnspanner	eye bolt yarn tensioner
0032	658000855	1,00	Kegeldruckfeder für Fadenspanner D=1,40mm	cone trust spring for thread holder
0033	658000854	1,00	Tellerscheibe Faden u. Garnspanner	disc washer yarn tensioner
0034	658000853	1,00	Zwischenscheibe Faden u. Garnspanner	separating disc
0035	010400004	1,00	Schlitzmutter M4	slotted nut
0036	658000851	1,00	Grundplatte	base plate
0037	658000305	1,00	Linsenschraube innen 6kt M4x8-10,9	Oval flat head screw with hexagonal recessed hole, M4*8-10,9
0038	658000870	1,00	Vorspanner	clamping device
0039	658000753	1,00	Rolle für Teppichführung	roll for carpet guide
0040	658000755	1,00	Zählrad	comter wheel
0041	658000425	1,00	Read-Kontakt	Read contact
0042	658000010	1,00	Aufnahmeklotz für Read-Kontakt	Mounting block for read contact
0143	658000722	1,00	Stift für Stuhlrolle PR40	pin for chair wheel
0044	658000721	1,00	Stuhlrolle PR 40	chair wheel
0045	002008035	1,00	Holzschraube 6-kt 8x35	wood screw
0046	018100102	1,00	Schnellbefestiger D=10	Fastener
0047	658000393	1,00	Bandteller,bearbeitet	disc plate
0048	658000731	1,00	Garnsteller	Yarn plate complete
0049	658000732	1,00	Garnauflage	Yarn rest
0050	658000013	1,00	Garnaufnahme	Yarn take-up

Ersatzteilliste

658000000

MINIKET 2000

Datum:20.10.2000

Seite 2

Pos	Art-Nr.:	Stk	Bezeichnung	Description
0051	658000015	1,00	Handrad	hand wheel
0052	000406010	1,00	Flachkopfschraube M6x10	Flat head screw
0053	014600061	1,00	Scheibe A 6,4	disc
0054	658000011	1,00	Zwirnaufnahme	yarn take up
0055	658000039	1,00	Schaumstoffauflage für Zwirnaufnahme	foam mat for yarn take up
0056	006804008	1,00	Linsenschraube M4x8	oval head screw
0057	658000016	1,00	Haube	hood
0058	658000299	1,00	Achse für Handteller	axle for hand disc
0059	026001001	1,00	Klemmhebel unverstellbar	clamping lever fixed
0060	022003014	1,00	Spannhülse	adapter sleeve
0061	658000702	1,00	Schenkelfeder für Bandteller	Leg spring for reel
0062	005504016	1,00	Senkschraube M4x16	countersunk screw
0063	658000161	1,00	Mitnahmemutter für Stichweite	nut for stitch adjustment
0064	658000164	1,00	Welle	shaft
0065	014600081	1,00	Scheibe A 8,4	disc
0066	017600007	1,00	Sicherungsscheibe D=7	locking washer
0067	012300006	1,00	Sechskantmutter M6	Hexag. nut M6
0068	026003001	1,00	Rändelmutter M6	Knurled head nut
0069	658000334	1,00	Schaumstoffdichtung	foam sealing
0070	658000287	1,00	Schwenkteil komplett	Swivel part complete
0071	020110090	1,00	Zylinderstift 10m6x90	cylindrical pin
0072	658000133	1,00	Transporthebel bearbeitet	transport lever
0073	004606020	1,00	Sechskantschraube M6x20	hex. screw
0074	658000191	1,00	Wellenstumpf	Butt end
0075	658000350	1,00	Aufnahmeklotz	mounting block
0076	019605005	1,00	Gewindestift M5x5	headless screw
0077	658000321	1,00	Greiferwelle lang	gripper shaft, long
0078	050401101	1,00	Nadelhülse HK 0812-2RS	needle bushing
0079	658000272	1,00	Antriebshebel komplett	operating lever complete
0080	658000311	1,00	Greifer unten komplett	lower looper for Miniket 2000
0081	004005012	1,00	Zylinderkopfschraube M5x12	cyl. head screw
0082	016800052	1,00	Federscheibe B5	spring disc
0083	050202001	1,00	Rillenkugellager 6x15x5	ball bearing
0084	017000151	1,00	Sicherungsring D=15x1,0	circlip for shaft
0085	011500005	1,00	Sechskantmutter M5	hex. nut
0086	658000324	1,00	Gelenkkopfpleuel	swivel head rod
0087	012300005	1,00	Sechskantmutter M5	hex. nut
0088	658000309	1,00	Greiferwelle Mitte	gripper shaft, middle
0089	016400006	1,00	Scheibe A 6,4	disc A 6,4
0092	658000318	1,00	Klemmstück komplett	clamp complete
0093	004006016	1,00	Zylinderkopfschraube M6x16	cyl. head screw
0096	658000327	1,00	Klemmstück für Greifer oben	clamp for upper gripper
0098	658000271	1,00	Greifer oben	upper looper for Miniket 2000
0099	658000387	1,00	Laufrolle (D=50)	wheel
0100	004006025	1,00	Zylinderkopfschraube M6x25	cyl. head screw
0101	658000323	1,00	Greiferwelle kurz	gripper shaft, short
0103	658000274	1,00	Klemmstück für Hilfsgreifer	clam for auxiliary looper
0104	004004012	1,00	Zylinderkopfschraube M4x12	cyl. head screw
0105	658000320	1,00	Hilfsgreifer	Auxiliary looper
0109	658000337	1,00	Winkelblech	angle sheet iron
0110	011500004	1,00	Sechskantmutter M4	hex. Nut
0111	005504008	1,00	Senkschraube M4x8	counters. screw
0113	658000170	1,00	Nadelführung	needle guide
0114	007004008	1,00	Zylinderkopfschraube M4x8	cyl. head screw