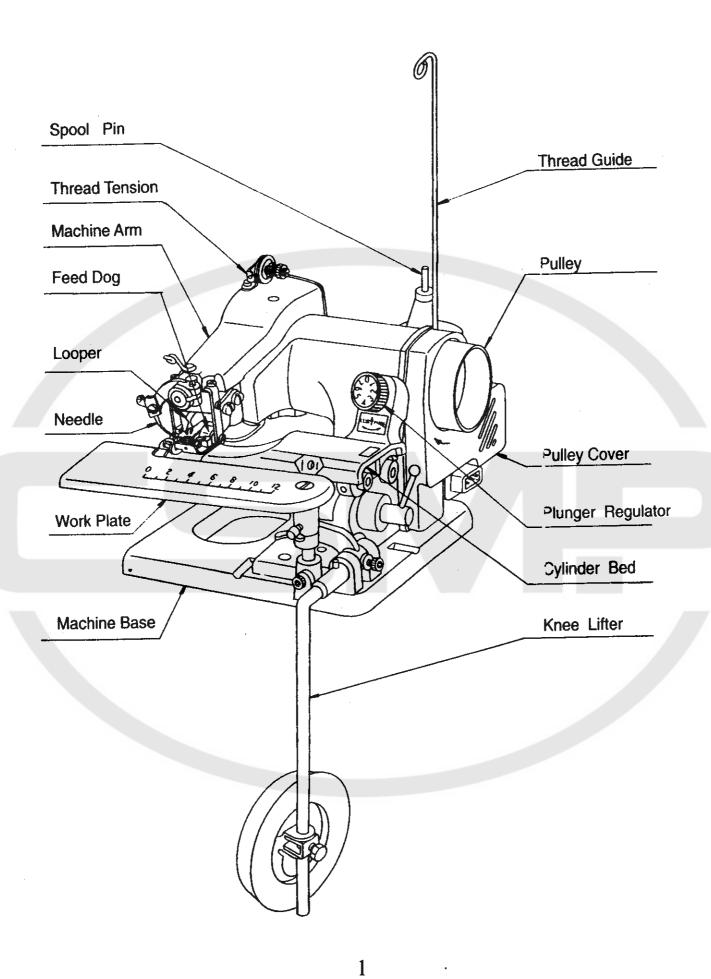


MODEL BM-9210 BLINDSTITCH MACHINES

PARTS BOOK INSTRUCTION MANUAL

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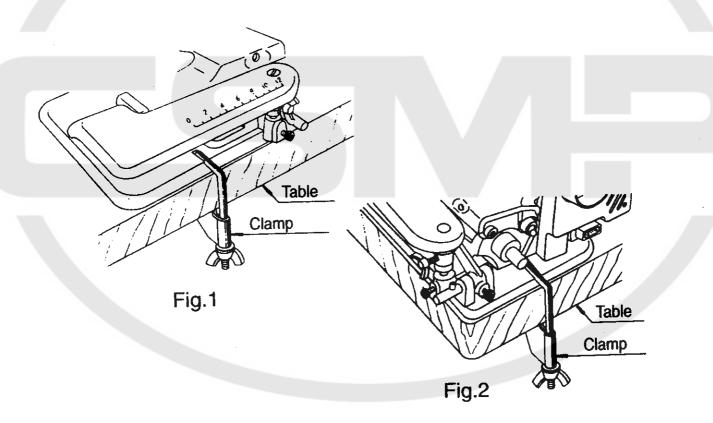
1.Setting up Machine for Work

Unpack machine from its shipping box, making certain that you remove from box all component parts and accessories.

A.Location(Figs.1-2)

Place machine on a firm table, preferably near its right fornt corner. Attach machine near edge of table using table clamp which is included with the accessories. Table clamp is inserted into groove in base place of machine either from front or right side.

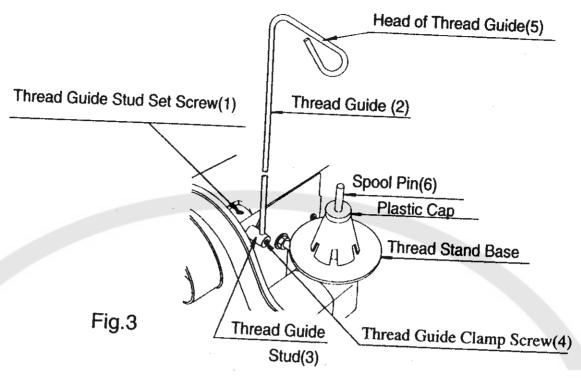
The selection of the clamp groove depends on how you desire to place machine on table to suit your own convenience. Make sure machine is clamped tightly to keep it from falling off table. See Figs. 1 and 2 for details of clamping.



B.Lnstalling Thread Stand(Fig.3)

First, loosen thread guide stud set screw(1) and insert thred guide (2) and stud(3) assembly into the hole at rear of machine. Then, tighten set screw(1).

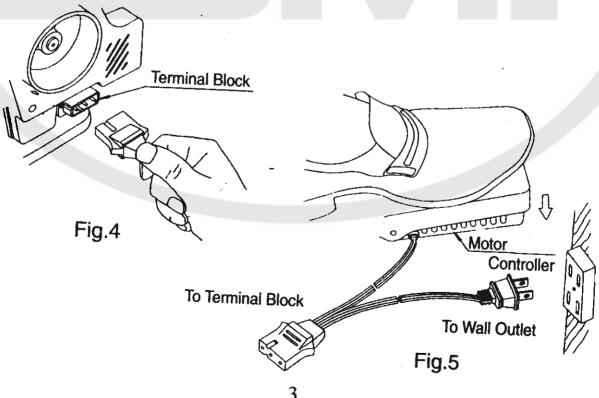
And loosen clamp screw (4), and adjust head (5) of thread guide to face the direction of spool pin (6). Then, tighten clamp screw (4).



C.Connection Motor Controller (Figs.4-5)

Insert three-hole plug on controller wiring into terminal block at right side of machine and insert standard plug into wall outlet.

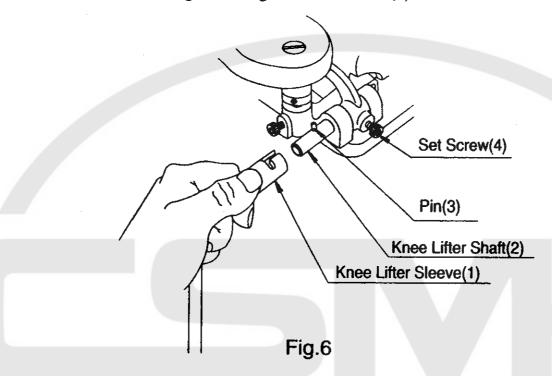
Place controller on floor and regulate speed of machine by stepping on of foor pedal.



D.Assembly of Knee Lifter (Fig.6)

Push sleeve(1)onto free end of shaft (2)and allow pin (3)to enter L-shaped groove in sleeve.

In case of adjusting the angle of knee lifter, loosen the set screw (4) and adjust the knee lifter to the suitable angle. Then, tighten the set screw (4).



2.Lubrication (Fig.7)

Lubrication is important for the trouble-free operation and long service life of the machine. Therefore, after setting-up machine as per paragraph 1, drop a sewing machine oil into all the holes indicated by arrows on Fig.7, and also drop oil onto the inner moving parts after opening the side cover and rear cover of machine.

Daily and before operating machine, place one or two drops of sewing machine oil into all the oil holes indicated by arrows on Fin.7.

To assure clean operation, it is suggested that oiling be done upon completion of the work. This will allow excess oil to drip off and only the needed quantity will remain, Be certain to wipe off machine all excess oil before starting to work. Also before sewing, operate machine for about a minute or so with the knee lifter depressed to eliminate all excess lubricant.

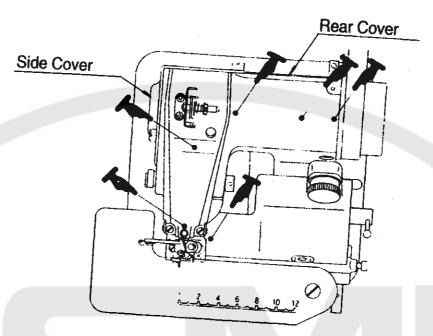


Fig.7

3. Needles and Thread

The recommended needle is system LW x 6T (or style 29-43) Blindstitch Machine Needle. Size range from No.3 to 4.

To assure satisfactory operation needles, thread and fabric must be matched as suggested in the table below:

NEEDLE	THREAD	MATERIAL
size 3 (11)	No.80-100	Nylon slik and other light weight fabrics
size 3 1/2(14)	No.60-70	Cotton, woolen, and other medium weight fabrics
size 4 (16)	No.50-60	Thick woolen and other thick weight fabrics

4. Replacing the Needle (Fig.8)

Turn handweel away from you (clockwise direction) until needle reaches to the end of its return stroke.Remove needle to be replaced by loosening needle clamp. crew (1)about two turns.

Insert new needle into its seat on needle carrier (2) pushing it as far to the left as it will go.Now, tighten needle clamp screw (1).

Note: Fig.8 shows needle carrier and its part.in a disassembled view.

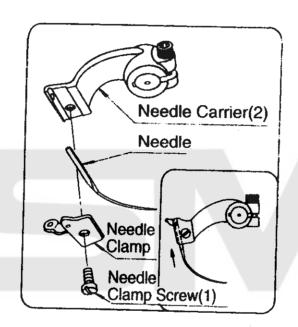


Fig.8

5. Threading Machine (Figs. 9-12)

A. When using sewing thread from a conc,place it over plastic cup on thread stand (Fig.9)

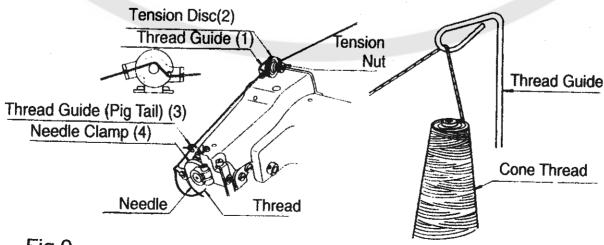
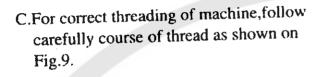


Fig.9

B. When using spool thread, remove plastic cup before placing spool on thread stand (Fin. 10).



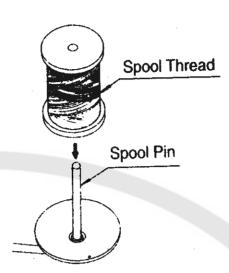
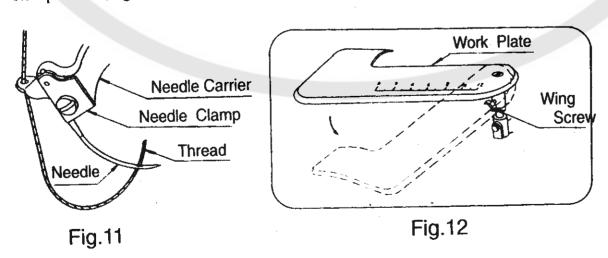


Fig.10

When reaching to thread tension device, enter thread first in rear eye of thread guide (1). Then, lead thread between the two tension discs (2) as per Fig. 9. Now enter it from behind through the front eye of thread guide. Lead thread forward to front of machine. Enter thread from above into thread gruide (3), and eyelet of needle clamp (4).

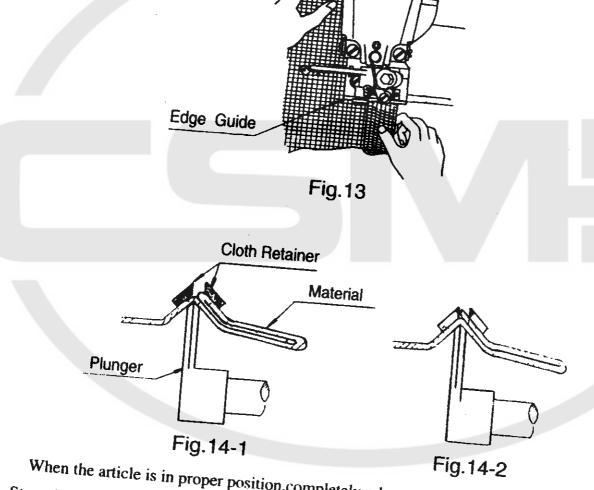
As this point, make certain that needle is in extreme left-hand position. Now pull thread through needle eye from below as shown in Fig.11.

It is easier to pull thread through needle eye when work plate is opened by loosing the clamp screw (Fig.12).



6. Inserting the work Piece and Starting to Sew (Figs.13-14)

Depress knee lifter. This causes the cylinder bed of the machine to swing downward and creates a gap between the presser foot and the cylinder bed. Insert the work in the gap just opened in such a manner that the folded or sewn edge of the article is alongside the edge guide of the presser foot.



When the article is in proper position, completely release the knee lifter. Get the machine Started slowly and watch the material pass edge guide rather than to observe the action of

In case of sewing double folded edge of material, insert the material as per Fig. 14-1. In case of sewing single folded, insert the material as per Fig. 14-2

7. Adjustment of Thread Tension (Figs.15-16)

Different kinds and weights of material and the various sizes of thread require respective thread tensions. Thread tension is regulated by turning the tension nut located at the top of the machine arm.

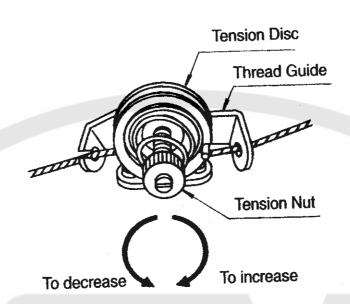
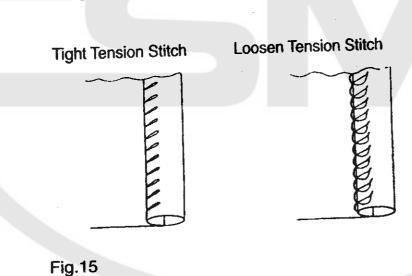


Fig.16



To increase thread tension, turn the nut away from you (clock wise).

To decrease the tension, turn the nut towards you (counter-clockwise).

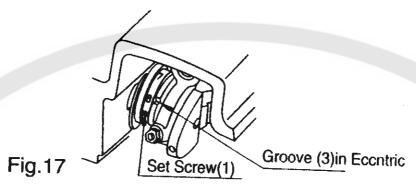
Do not rurn, tighten, or loosen tension more than about one quater turn at one time.

Test for results and readjust, if necessary.

8. Regulating Stitch Lengty (Fig.17)

Open side cover by loosing two clamp screws. Loosen two set screw (1)in stitch regulating collar (2), and turn co9llar (2)until desired number is reached by indicator groove (3)of eccentric. Then, tighten screws (1) securely.

When delivered from our factory, the number for stitch length of the machine is set to be at "6".



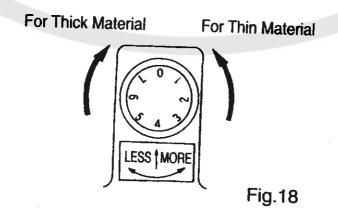
Each number shows the following stitch length.

				. 4	
Number on collar	4	5	6	7	8
Stitch length(M/M)	4	5	6	7	8
			<u> </u>		<u> </u>

To have best choice of stitch length, recommend to have a few trial stitching on different kind materials.

9. Adjustment of Needle Penetration (Fig.18)

The depth of needle penetration into the cloth can be adjusted by turning the plunger regulator located on front of the machine.



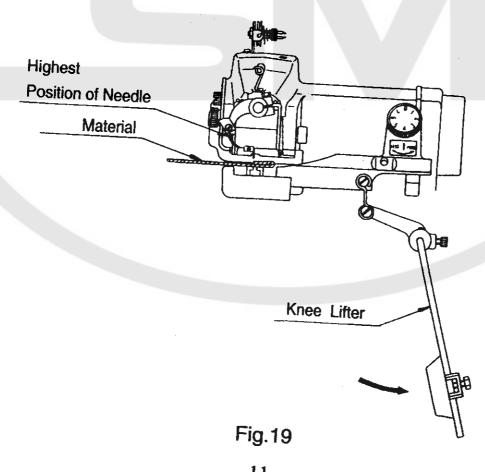
To increase needle penetration for light materials ,turn the regulator counter-clockwise. The greater the number directly in front on the regulator dial, the deeper the penetration of the needle. To lessen the penetration for thick materials, turn regulator clockwise.

To prevent damage to the needle and the machine, it is recommended to begin sewing with the least degree of penetration, and to sew a short length of seam. Check for catching of the material and apprearance, making whatever penetration adjustments are required until stitching is as desired.

NOTE: Beginning and end of penetration adjustments are controlled by built-in stops.Do not force beyond its stops.

10.Removal of the Work from the Machine (Fig.19)

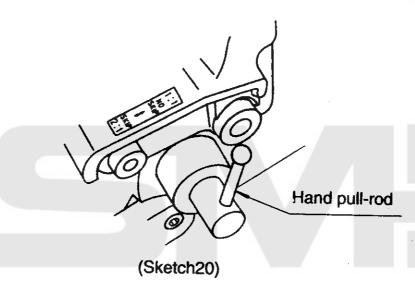
Stop machine and turn handwheel away from you until needle is completely out of the material (at highest position). Press knee lifter to the right and pull the work piece rearward out of the machine with a quick stroke. This will lock the last stitch and break the thread.

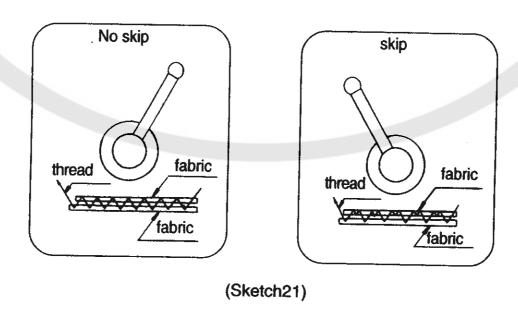


11. Skip-stitching device (Sketch20-21)

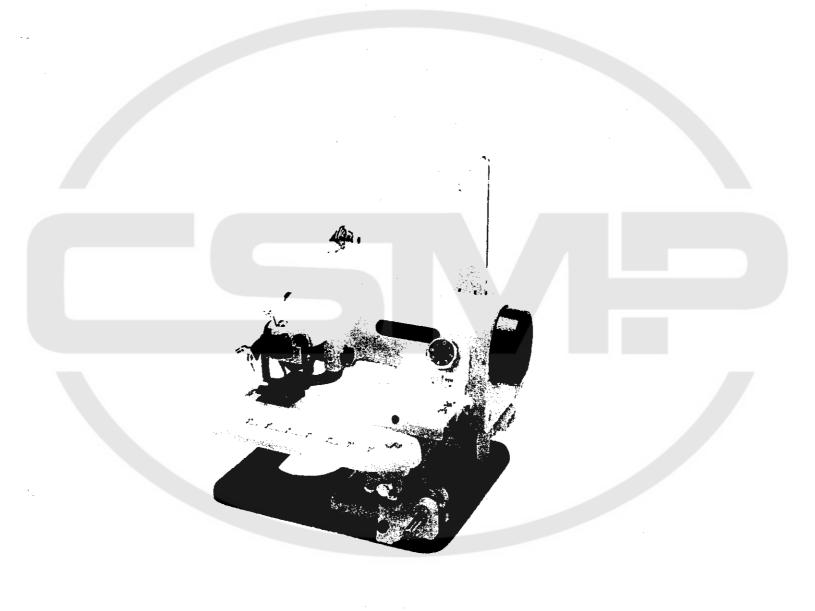
Hand pull-rod which controls skip-stitching device is at the right side of machine. When pull-rod points to "No Skip" position, fabric shall be sewed every stitch. When pull-rod points to "Skip" position, fabric shall be sewed every other stitch.

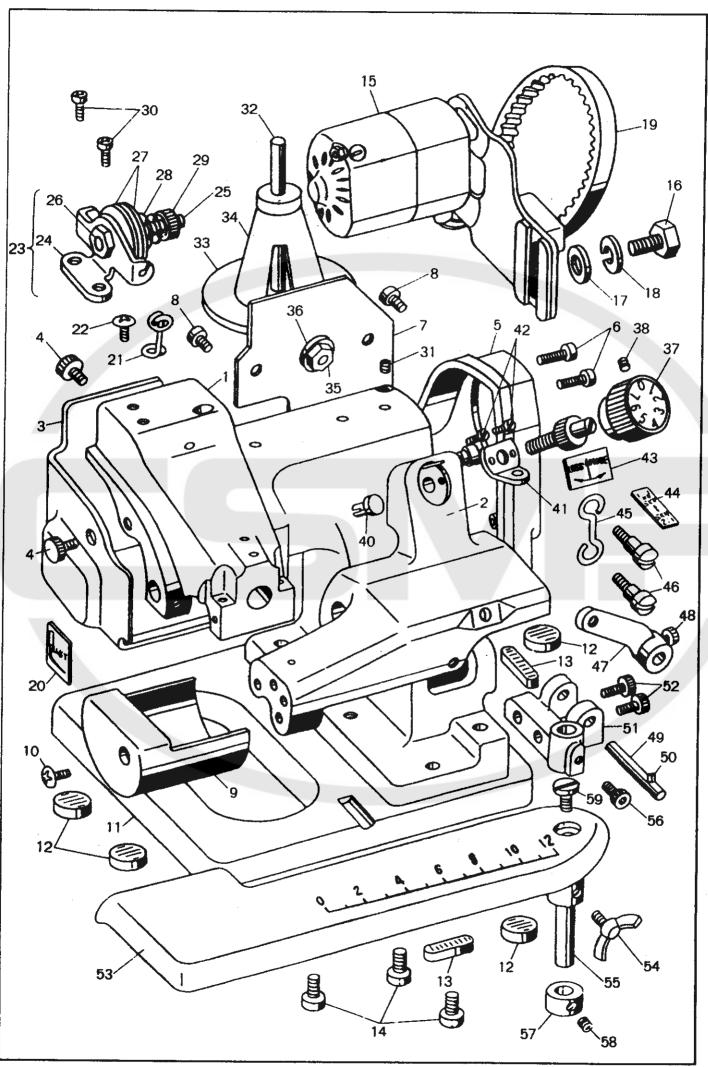
In order to guarantee machine to run as per requirement, please don't pull the rod to another direction before the machine stops. If the pull-rod is kept in the middle position, the machine will run unsteadily. Meanwhile, if necessary, penetration of needle should be checked and adjusted again every time when a conversion between "Skip" and "No Skip" is made.



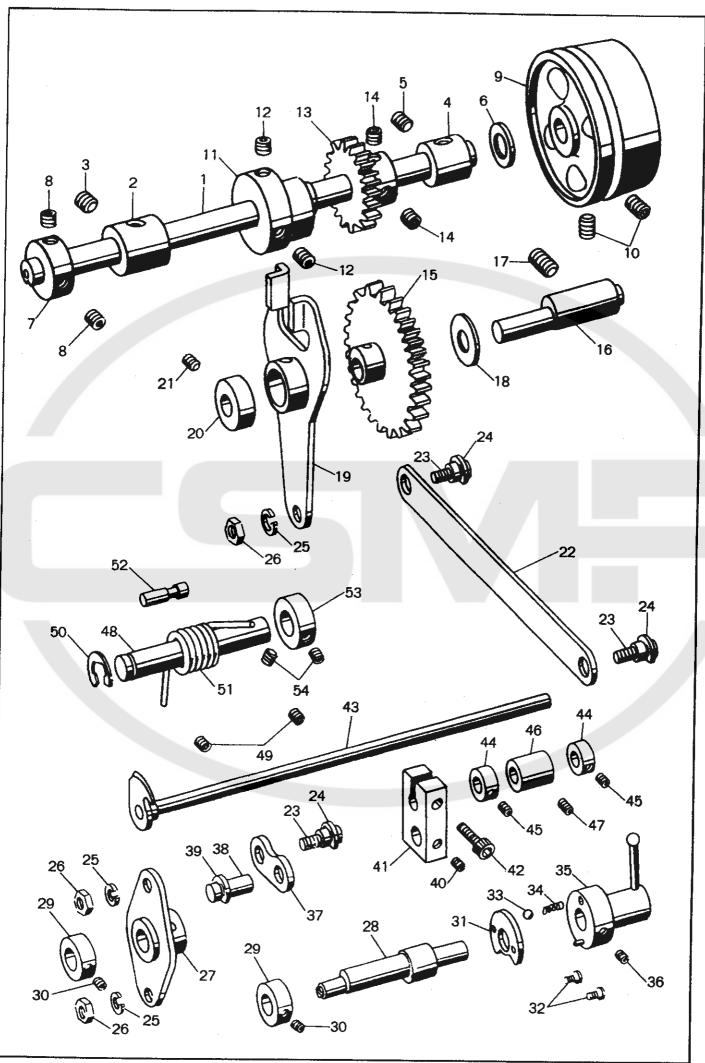


PARTS BOOK

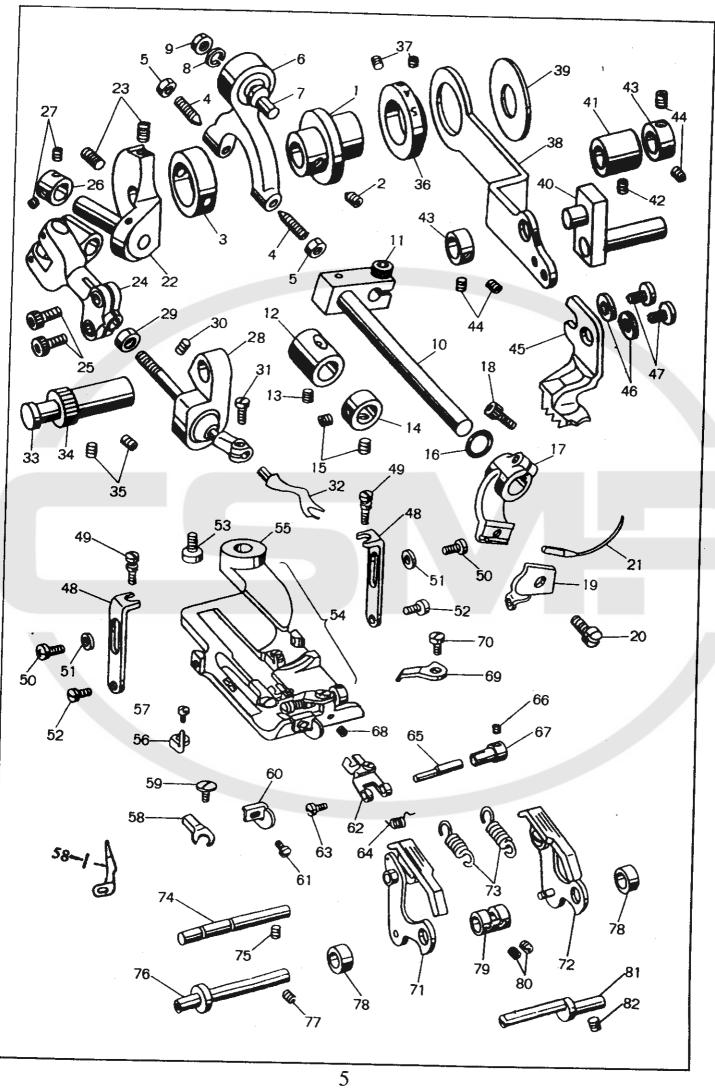




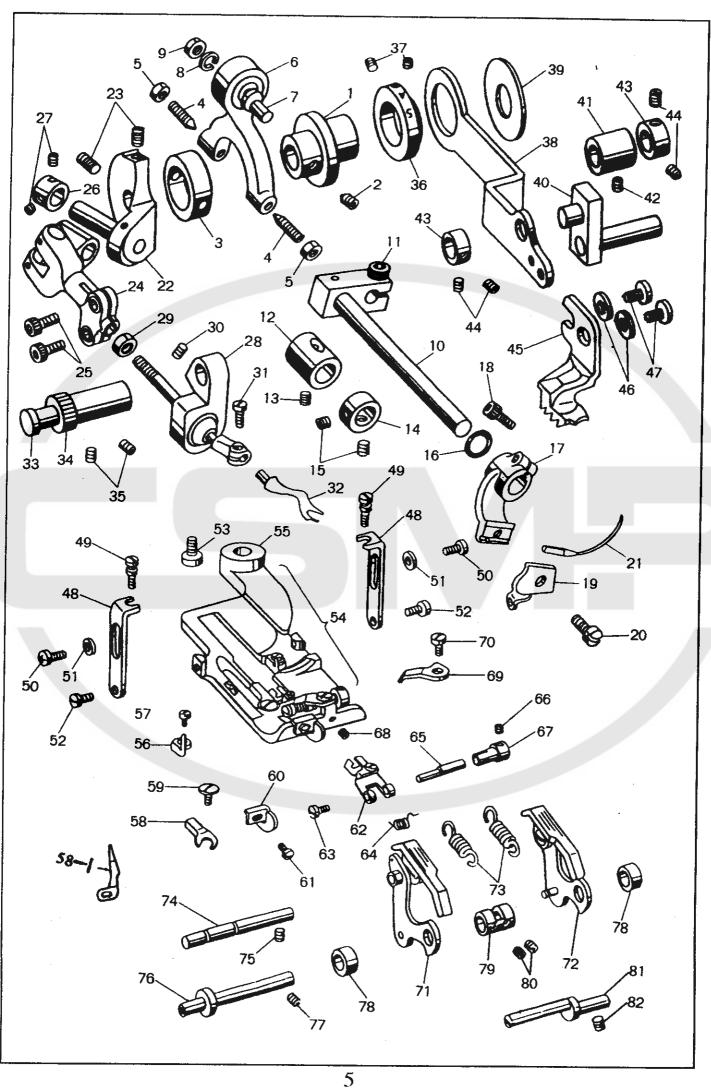
Ref.Nos.	Parts No.	Description
1	21001	Machine Frame
2	21002	Cylinder Bed
3	21003	Arm Side Cover
4	21004	Arm Side cover Clamp Screw
5	21005	Pulley Cover
6	0144016	Pulley Cover Set Screw
7	21006	Arm Rear Cover Set Server
8 9	0144008	Arm Rear Cover Set Screw End Cover
10	21007 0174008	End Cover Set Screw
11	S-21008-G	Machine Base with Rubber Cushion (Moss-Green)
11	S-21008-R	Machine Base with Rubber Cushion (Wine-Red)
12	21009	Rubber Cushion (A)
13	21010	Rubber Cushion (B)
14	0186016	Machine Base Clamp Screw
15	10109-A	Motor
16	B-005	Motor Bracket Set Screw
17	B-006	Motor Bracket Spring Washer
18 19	B-007 21101	Motor Bracket Spring Washer Motor Belt
20	10131	Needle System Label(LW × 6T)
21	4135	Thread Guide (Pig Tail)
22	0144008	Thread Guide Set Screw
23	S-21095	Thread Tension Assembly (Ref.Nos.24-29)
24	21095	Thread Tension Bracket
25	21096	Thread Tension Post
26	4070	Thread Tension Post Nut
27 28	5190-A 79-B	Thread Tension Disc Thread Tension Spring
26 29	79- Б 83	Thread Tension Spring Thread Tension Nut
30	0144008	Thread Tension Bracket Set Screw
31	0046006	Thread Guide Stud Set Screw
32	21093	Thread Stand
33	21094	Thread Stand Base
34	AC-101	Plastic Cap
35	11145	Thread Stand Nut
36 37	10543 S-10513-G	Thread Stand Washer Disc Regulator (Moss-Green)
37	S-10513-R	Disc Regulator (Wine-Red)
38	6074	Disc Regulator Set Screw
39	10514	Disc Regulating Dial Screw
40	10516	Disc Regulating Dial Screw Prop
41	10515-A	Disc Regulating Plate Spring
42	8339	Disc Retgulating Plate Spring Set Screw
43 44	21068	Disc Retgulating Indicating Label
44 45	21037 10076-A	Skip Stitch Label Cylinder Bed Connecting Hook
46	21085	Cylinder Bed Connecting Hook Screw
47	21083	Knee Lifter Crank
48	0216016	Knee Lifter Crank Set Screw
49	21084	Knee Lifter Shaft
50	10074	Knee Lifter Shaft Spring Pin
51	21082	Work Plate Bracket
52 53	0216016	Work Plate Bracket Set Screw
53 54	21081 10085	Work Plate Work Plate Wing Screw
55	10082	Work Plate Shaft
56	0216012	Work Plate shaft Set Screw
57	21023	Work Plate Shaft Collar
58	0096006	Work Plate Shaft Collar Set Screw
59	10083	Work Plate Screwed Cap



	Ref.Nos.	Parts No	^
	_	i dits ivi	Description
1	i 2	21012	Main Shaft
1	2 3	21013	Main Shaft Bushing(Front)
1	4	0096010	Mail Shall Bushing Set Screw
1	5	21014	Maii Shait Bushing(Rear)
	6	0096010	Main Shaft Bushing Set Screw
l	• 7	21015	Mail Shall Thrust Washer
l	8	21016 0096006	Main Shaft Collar
l	9	21017-G	Statt Collar Ser Scrow
	9	21017-R	- and (4022-(41660)
	10	0096014	Pulley(Wine-Red) Pulley Set Screw
	11	21018	Eccentric Bushing
	12	0096008	Eccentric Bushing Set Screw
	13	21019	Main Shaft Gear(Small)
	14 15	0096006	Main Shaft Gear Set Screw
	16	21020	Skip Stitch Gear (Large)
	17	21021	Skip Stitch Gear Eccentric Short
	18	0096010 21015	Skip Stitch Gear Eccentric Short Car o
	19	21013	only outen Gear Eccentric Chate me
	20	21023	The State of the Charles of the Char
	21	0095006	OND SHICH Gear Eccentric Chast Cart
	22	21024	Skip Stitch Gear Eccentric Shaft Collar Set Screw Connecting Link (Long)
	23	21025	Connecting Link/Rod Holding Screw
	24 25	10060	Connecting Lillk/Rod Holding Come of the
	26	10627	
	27	17202 21026	
	28	21027	Connecting Link/Rod Holding Screw Nut
	29	21023	Connecting Kon
	30	0096006	Skip Stitch Eccentric Shaft Skip Stitch Eccentric Shaft Collar
	31	21028	Skip Stitch Lever Plate Skip Stitch Skip Stitch Lever Plate Skip Stitch Skip Skip Stitch Skip Skip Stitch Skip Skip Stitch Skip Skip Skip Stitch Skip Skip Skip Skip Skip Skip Skip Skip
	32 33	0124008	
	34	4010	Skip Stitch Lever Plate Set Scrove
	35	10052	ONIT OUTCO Lever Plate Poli
	36	S-21029 0096010	Skip Stitch Lever Plate Spring
	37	21031	SKIP SHICH LEVER
	38	21032	Skip Stitch Lever Set Screw
	39	10060	Connecting Lin (Short)
	40	0094004	Connecting Link Holding Pin
	41 42	21033	Connecting Link Holding Pin Snap Ring Connecting Link Holding Pin Set Screw
	43	0214012	The state of the s
	44	S-21034 21036	Connecting Block Set Seron
	45	0094004	Ridge Forming Disc Shaft Amount
	46	10517	Acting Forming Disc Shaft Cata-
	.47	000.1-	Raige Forming Disc Shaft College C to S
	48		"""O" · VIIIIII IIV. Shall D. 11 ·
	49	0096006	Ridge Forming Disc Shaft Bushing Set Screw Cylinder Bed Shaft
	50	19117	Cylinder Bed Shaft Set Screw
	51 52	01000	Cymider Bed Shaft Span Ring
	53		Sympler Bed Shaft Spring
	54	-1010	Cylinder Bed Shaft Spring Dia
_			yrinder bed Shaft Collar
			Cylinder Bed Shaft Collar Set Screw
			4



Ref.Nos.	Parts No.	
1		Description
2	21038	Eccentric Bushing
3	0085010	Eccentric Bushing Set Screw
4	21046	Needle Yoke Ring
5	21047	Needle Yoke Center C.
6	21048	TORE Certion C.
7	S-21049-A 21052-B	TUKE A Roll 1-1-1
8	8179	Trocule Yoke Eccontain to
9	C-10022	Trocule YOKe Eccentria Dr. a
10	S-21053	Needle Yoke Eccentric Pin Spring Washer Needle Comic Control Pin Nut
11	0214016	- Carrier Chaft C .
12	21055	Tredie Carrier Chast C
13	0094006	
14 15	21016	Caller Shaft D
16	0096006	Needle Carrier Shaft Collar
17	19034	Needle Carrier Shaft Collar Set Screw
18	21056	Needle Carrier Shaft "O" Ring Needle Carrier
19	0215016	Needle Carrier Classes 9
20	4025-A	ricedie Clamp
21	121 4181	Needle Clamp Set Sonor
22	C 210==	rectile (LW x AT)
23	00000	Looper Drive Crank & D.
24	C 21000	Booper Drive Crank C. C
25	0011010	TORE With location and
26	1770	POI TURE SOI COMME
27 28	17146	Looper Yoke Pin Collar
26 29	S-21062-A	Ooper Yoke Pin Collar Set Screw
30	21048 _{I.}	ooper Carrier Assembly ooper Carrier Nut
31	0096006 L	pooper Ball Joint Clamp Screw
32	4040 Lo	poper Clamp Screw
33	2105.	oper
34	21064 Lo 21065 Lo	oper Ball Joint Pin
35	LU	oper Ball Joint Bassa
36		
37	0094006 Stit	ch Regulating Eccentric Sleeve Set Screw
38	21040	~ r regulating Forest
39 40	21041 Fee	d Lever
40 41	S-21042-A Feed	d Lever Thrust Washer
42	10517 Feed	Lever Crank Bushing
43	0094006 Feed	Lever Crank Bushing
44	21045 Feed	Lever Crank Bushing Set Screw Lever Crank Collar
45	0094004 Feed	Lever Crank College
46		
47	4040	Dog Washer
48	reed	Dog Set Same
49	Presse	er Foot Bracket
50	116226	T FOOT Brooked A
51 52	11158 Pressor	r Foot Bracket Holding Screw
52 53	4186 Presser	Foot Bracket Holding Screw Foot Holding Screw Washer
54	21067 Presser	Foot Holding Screw Washer
** T	DELLAND	1.001 Jame C-
 -	-370	Foot Assembly (Ref. Nos. 54-69)



Re	55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79.	Parts No. 4049-B 4048-A 4185 11563 4052-A 4059 4185 4055-CAS 4185 4056 4054 4183 4053 130-B 4057-B 4182 S-21072 S-21073 21078 21079 0094006 21075 0094006 21075	Plain Presser Foot Chaining Finger Chaining Finger Set Screw Needle Guide Needle Guide Set Screw Edge Guide Edge Guide Set Screw Cloth Retainer Cloth Retainer Screw Cloth Retainer Eccentric Stud Cloth Retainer Eccentric Stud Set Screw Cloth Retainer Eccentric Stud Bushing Cloth Retainer Eccentric Stud Bushing Cloth Retainer Stopper Stopper Cloth Retainer Stopper Cloth Retainer Stopper Set Screw Feed Plate Assembly (Left) Feed Plate Bracket Spring Feed Plate Bracket Spring Pin Feed Plate Bracket Spring Pin Set Screw Feed Plate Bracket Shaft
		_	red riale bracket Shaft
			Feed Plate Bracket Shaft Set Screw Feed Plate Bracket Shaft Spacer Feed Plate Bracket Shaft Thrust Collar Feed Plate Bracket Shaft Thrust Collar Set Screw Feed Plate Bracket Eccentric Shaft Feed Plate Bracket Eccentric Shaft Feed Plate Bracket Eccentric Shaft