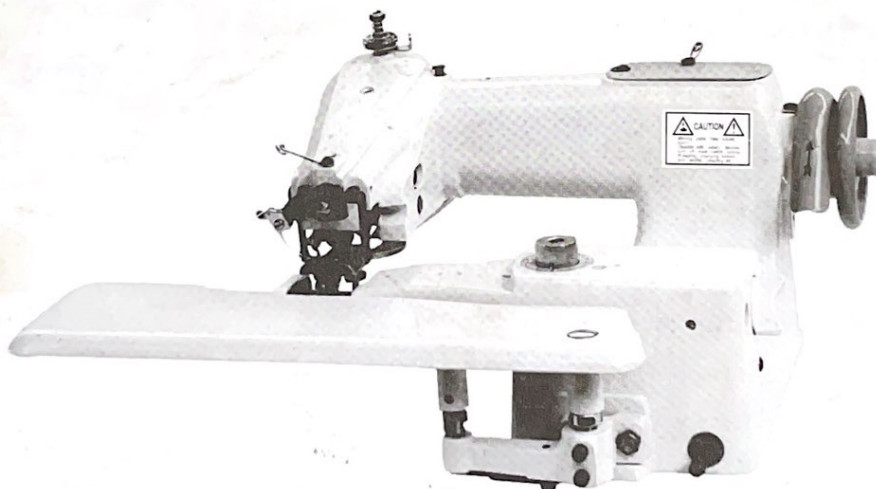


Industrial Blindstitch Sewing Machine

INSTRUCTION MANUAL

PARTS BOOK



NOTE Please read the user's manual carefully before
using the machine and parts inside the machine

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1.Unpacking Machine

Open packing box by carefully removing its cover so as not to damage the machine or those of its parts which project from the top, such as the tension parts.

Small accessory parts are packed separately in individual package. Do not discard any packing materials without prior scrutiny as to contents.

Clean from machine all greases ,dirt or dust, Pay particular attention to area around the looper mechanism and looper.

2.Setting-up Machine

Assemble knee lifter lever to machine and place on sewing table so that lever is 13m/m distant from front edge of the table. Line up belt groove in belt pulley of handwheel with belt groove of drive mechanism (motor or clutch)

Mark three screw hokes for fasting machine to sewing table and place felt pad under machine bed before machine is tightened down

3.Handwheel Rotation and Speed

Turn handwheel only in direction a way from operator for clock wise rotation. Be sure motor drive is wired up to obtain the same clock wise rotation. The recommended operating speed of a brand new machine is 1,800to 2,000 stitches per minute. After a breaking-in period of several weeks and after the operator has become skilled in the operation of the machine, the speed can be increased up to 2,500stitches per minute.

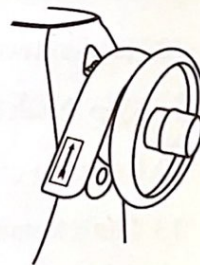


Fig1-1

4.Oiling and Maintenance

It is important not to operate the machine before oil of good quality has been filled in each and every oil hole along the top of the machine. When breaking in a new machine oiling should be done sparingly several times a day. Thereafter, one oiling daily will be sufficient. After oiling, wipe machine carefully to avoid soiling of the material.

Do not operate without material under the presser foot unless the knee lever is depressed. This will prevent damage to the needle and the feed dog as well as the feed plattens.

5.Replacing Needle

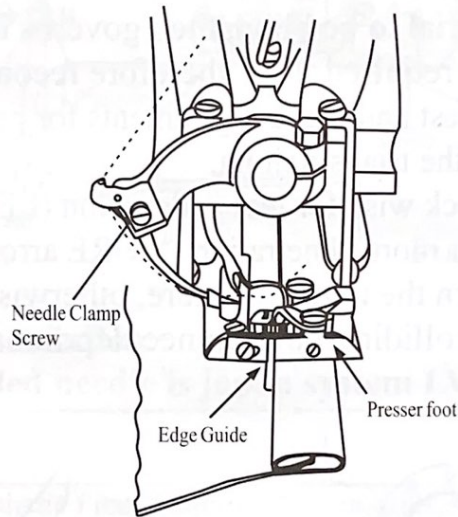
Turn handwheel away from operator(clock wise)until needle reaches the end of its return stroke(extreme left hand position).Ajust penetration dial to least amount of penetration(turn clockwise towards 1)

Remove old or defective needle by loosening needle clamp screw. Insert new needle into seat in needle clamp as far as it will go. Tighten needle clamp screw.

Turn handwheel slowly away from operator and observe movement of needle. The curved portion of the needle should bear slightly on the needle guide groove in the left hand part of the presser foot.

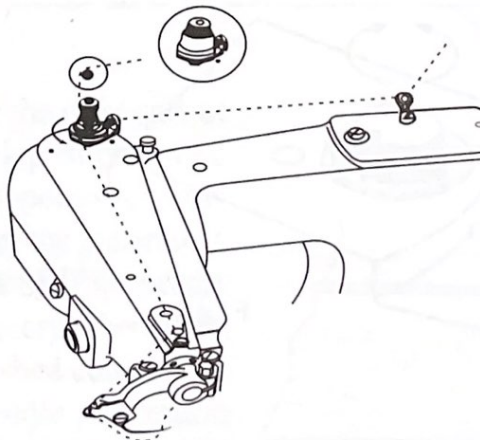
Always replace bent or blunt needles. They affect the satisfactory operation of the machine.(see fig1)

See par.11 concerning needle system to be used in Treasure Blindstitch Machine.



6. Threading Machine

Turn handwheel of machine in clockwise direction away from operator until needle carrier reaches its furthest left hand position. And proceed as follow:



7.Inserting the Work and Starting to Sew

Depress knee lifter. This causes the feed plate to sewing downward and creates a gap between the presser foot and the feed plate. Insert the work in the gap just opened in such a manner that the folded or sewn edge of the material is alongside the edge guide of the presser foot .(see fig.1)

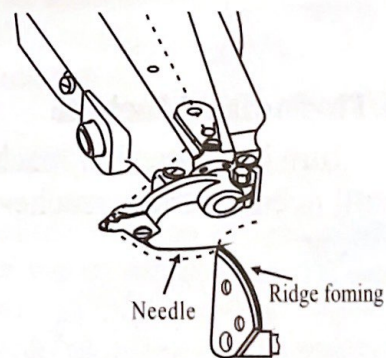
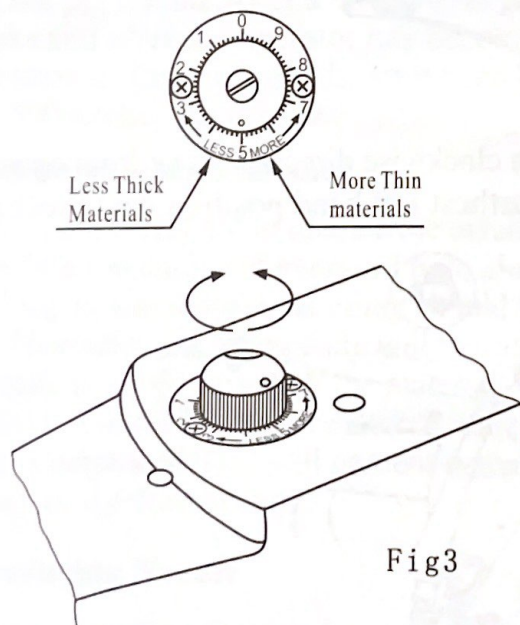
When the material is in proper position,completely release the knee lifter. Get the machine started slowly and watch the material pass edge guide rather than to observe the action of the needle.

8.Adjustment of Needle Penetration

The type of material to be blindstitch governs the degree of needle penetration which is required .It is ,therefore recommended to stitch a few centimeters as a test and make adjustments for penetration depending on the appearance of the trial stitching.

Turn regulator clock wise for less penetration (LESS arrow direction), counter-clock wise for more penetration.(MORE arrow direction)

Remark:Don't turn the regulator more, otherwise the needle will be blunted because of colliding between needlepoint and Ridge Forming Disc



9. Stitch Length Regulator

Stitch length adjustment can be easily effected by adjusting needle driving eccentric in arm. Go about it as follows:

Turn handwheel by hand pushing plunger until same is felt to drop into a recess within the mechanism inside the arm of the machine. With the plunger remaining depressed into this recess continue turning the handwheel either forward or in reverse until the desired number of stitches per inch is visible on indicator. (see Fig.4)

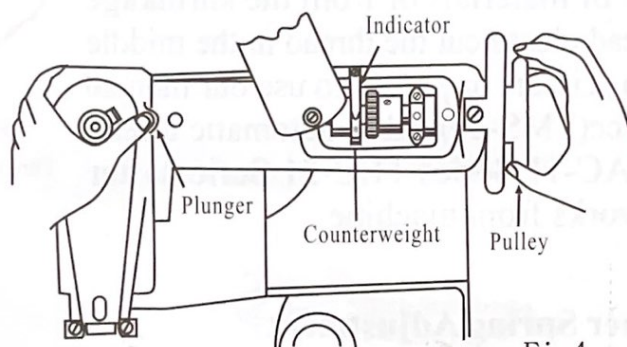


Fig4

10. Needle Recommendation

The recommended needle is japan system LWX6T

Size	Material
3 (11)	New synthetie Fiber Materials. Cotton, Silks, Acetates, Dacron and Similar type of extreyly thin to materials.
3 1/2 (14)	Medium weight materials, Woolens and Others.
4 (16)	Thick materials for coast, house furnishings.

11. Skip Stitch Device

The position of grip at the right side of the machine controls the skip stitch device (see Fig.5). When this grip points towards NO SKIP, the needle catches the material at each stitch. Pointing towards SKIP, the needle penetrates the material at every other stitch.

Be sure that grip is pushed completely in either direction and needle peneration readjusted every time operation is changed from skip to nonslip.

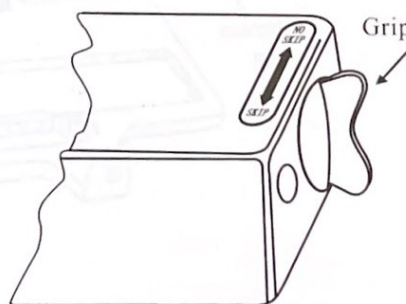


Fig. 5

12. Removal of the work from the Machine

Stop machine and turn handwheel away from operator until needle is completely out of the material. Press the knee lifter to the right and pull the work piece rearward out of the machine with a quick stroke, which will lock the last stitch and break the thread.

Remark: In case that the thread will be cut after felling extremely thin materials and /or thin materials, in order to prevent from the damage of materials or from the shrinkage of the sewing thread, please cut the thread in the middle of the looper with scissors or please do use our manual thread cutter device (TMS-20) and/or automatic thread cutter device (TAC-11 Series TEC-51 Series) after removal of the works from machine.

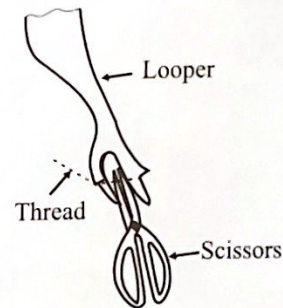


Fig5-1

13. Cloth Retainer Spring Adjustment

The tension of cloth retainer spring can be adjusted by turning the cloth retainer spring adjusting screw. (see Fig.6)

To increase the tension of cloth retaining spring, turn this screw to the right (clock wise) It is suitable for thicker material.

To decrease the tension, turn this screw to the left (counter clockwise), It is suitable for thinner material.

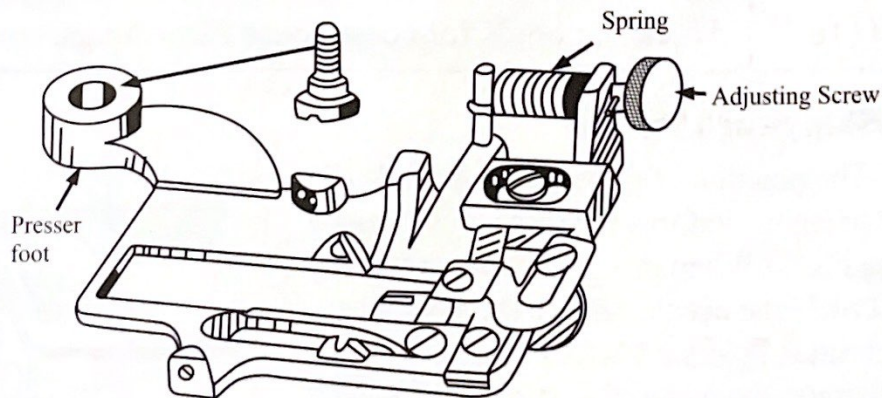


Fig6

14. Stitch Stabilizing Guide

Stitch stabilizing guide is effective for soft and uniform stitch on extremely thin material.

If required tight stitch on thin and medium materials, Loosen Stitch Stabilizing Guide Set Screw to take off Stitch Stabilizing Guide. Be sure to tighten Stitch Stabilizing Guide set Screw firmly on presser foot of same position after took off the Stitch Stabilizing Guide (see Fig.7)

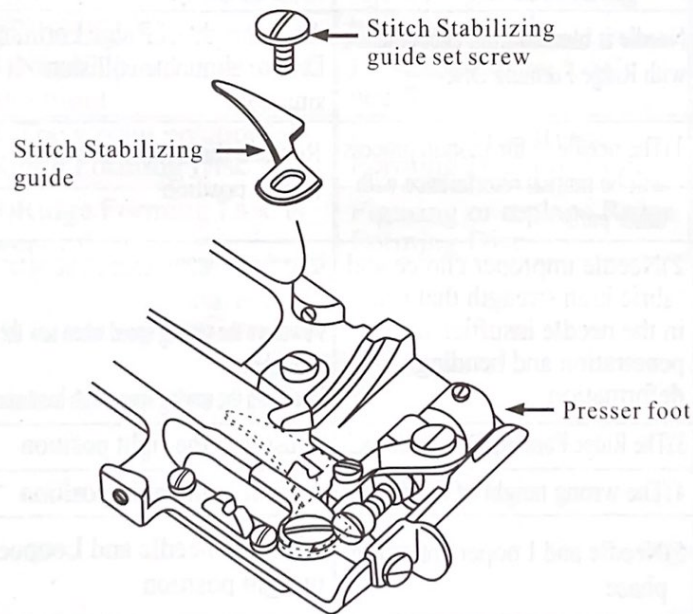
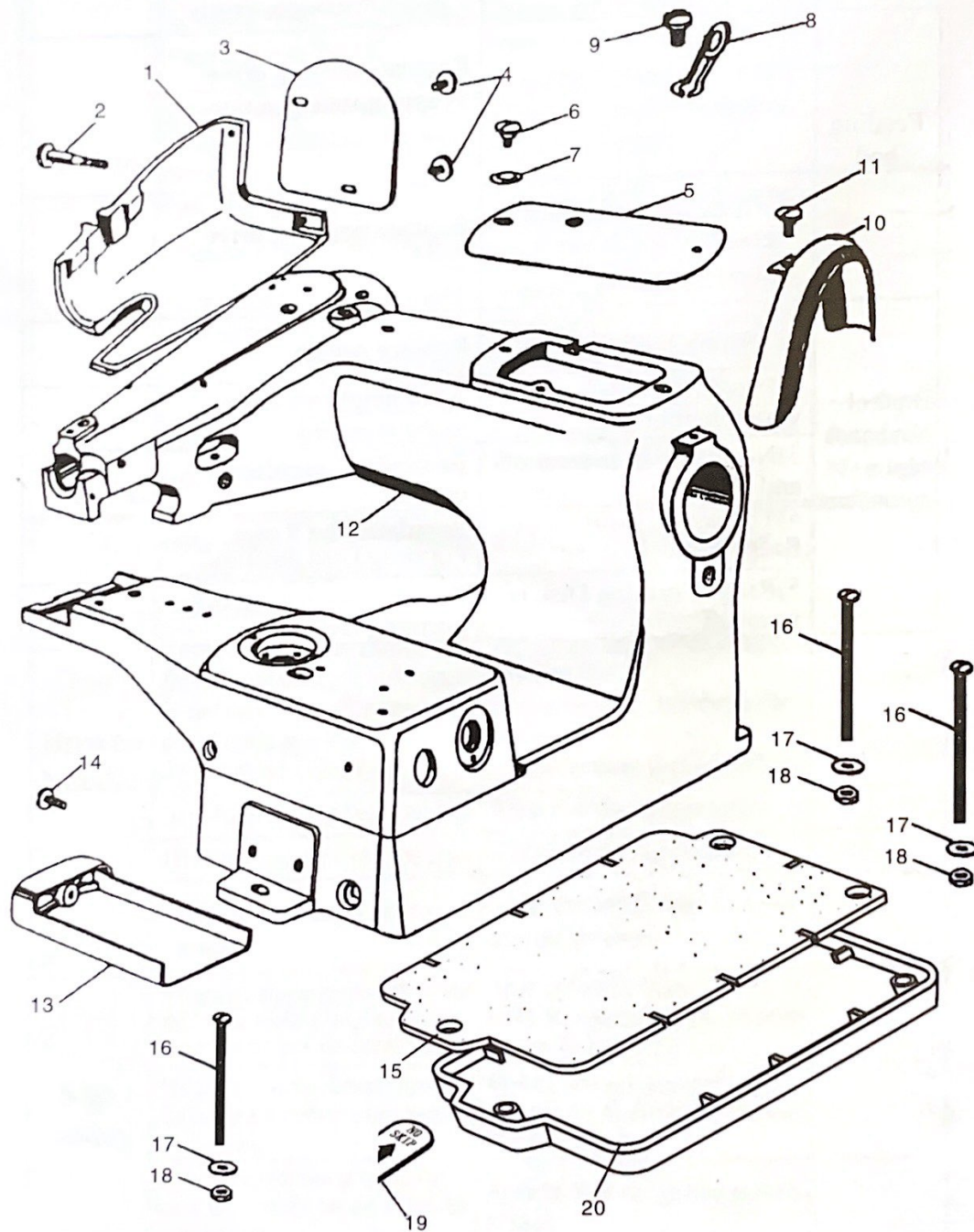


Fig7

15.COMMON MALFUNCTION ANALYSIS & PROCESSING

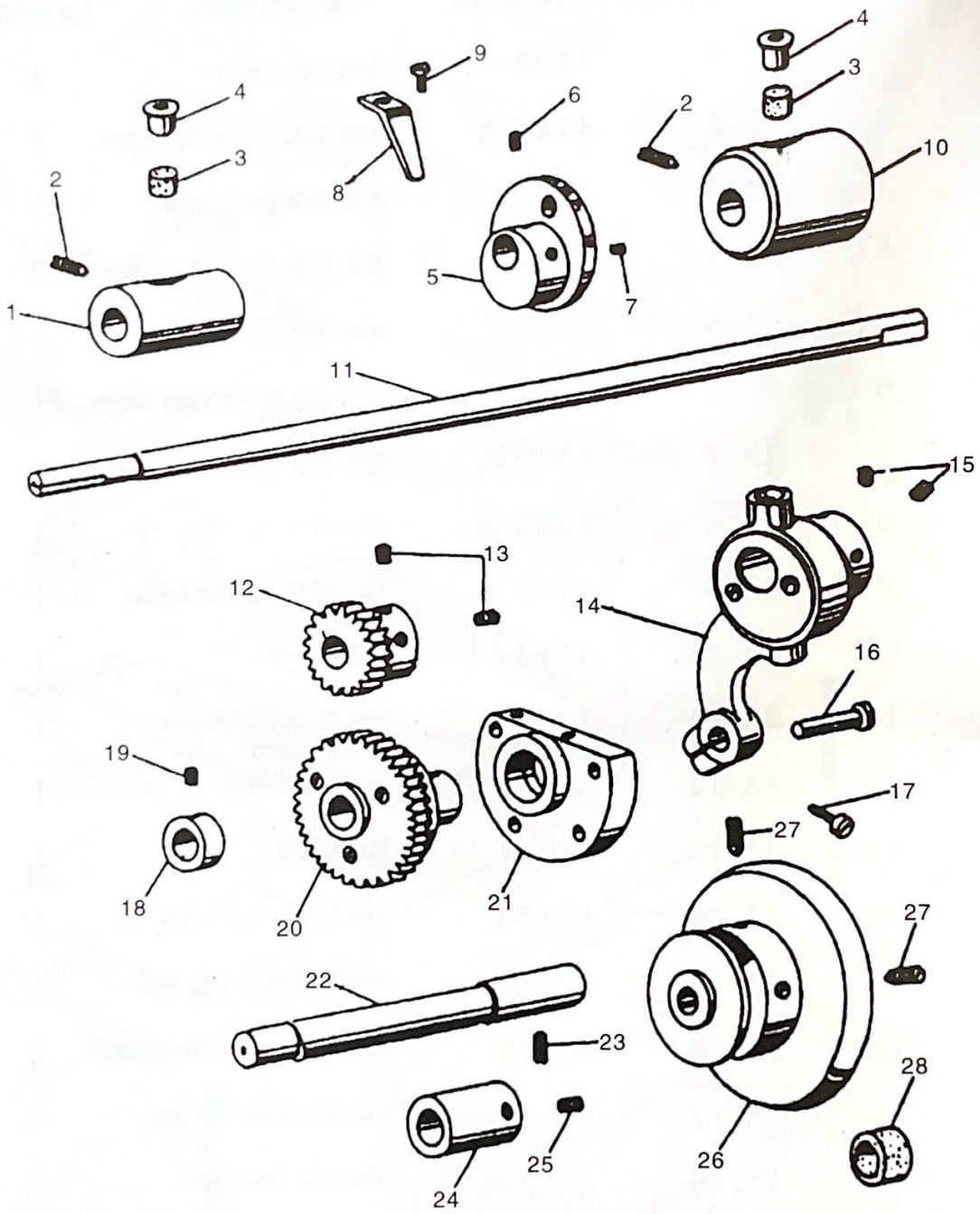
Malfunction	Causes	Processing	Remark
Broken stitching	1)Sewing thread Tension is too big,which break tensile strength is more than pulled off	1)Reasonable adjustment of the tension line is not over the floating line 2)Select a larger tensile strength stitches.	
	2)Sewing thread hampered or disruption so as to loss the tensile strength	Check-off thread in all parts, clean the hamper.	
	3)Sewing thread bad quality	Select the good quality thread	
	4)Needle thin but Thread thick	Select the right needle and thread accoring to the fabric	
	5)The moving looper encounter other parts	Turning the Handwheel to check the looper working situation,and ajust looper working in smooth,meanwhile paying attention to coordinated of needle and looper	
Blunt Needle	Needle is blunted from encountering with Ridge Forming Disc	Ajust height of Ridge Forming Disc to eliminate collision situation.	Replace Needle
Broken Needle	1)The needle in the motion process will be mutual reterference with other parts	Replace the needle and ajust needle position	
	2)Needle improper choice and fabric high strength that result in the needle insufficient penetration and bending deformation	Select the reasonable needle according to the different fabric Slowdown the sewing speed when sew the thick fabric Slowdown the sewing speed with handwheel	
	3)The Ridge Forming Disc is too high	Ajust it in the right position	
	4)The wrong height of Feed plate	Ajust it in the right position	
	5)Needle and Looper are out of phase	Ajust the needle and Loopeer in right position	
Slip stitch	1)There is a big gap between the needle and Looper hooking line,sometimes the looper can not hook the thread ring.	Ajust the height looper in order to make the appropriate gap between the needle and looper	
	2)There is a wrong distance between the looper and pinhole when looper hook thread.	Ajust the left-right position of looper and make the distance is 2MM between looper and pinhole	
	3)The wrong position of looper that result in the needle can not be inserted in thread ring	Ajust the back and forward position of looper	

	4、 Too strong or weak of the sewing thread tension	Regulate the sewing thread tension appropriately	
Feeding bad	1)Unregulated feeding dog drive	Regulate the dog drive in appropriate position	
	2)Fabric slips dislocation because of dog drive excessive wearing	Replace new dog drive	
Depth of blindstitch edge is nonuniform	1)Needle is out of shape	Replace needle	
	2)Presser feet plate is with wrong height	Adjust height according to the standard	
	3)Needle point is wear off and blunt	Be sanded or replace needle	
	4)The wrong position of Ridge Forming Disc	Regulated the Ridge Forming Disc position	
	5)Ridge Forming Disc is wear off	Figuring or replace Ridge Forming Disc	



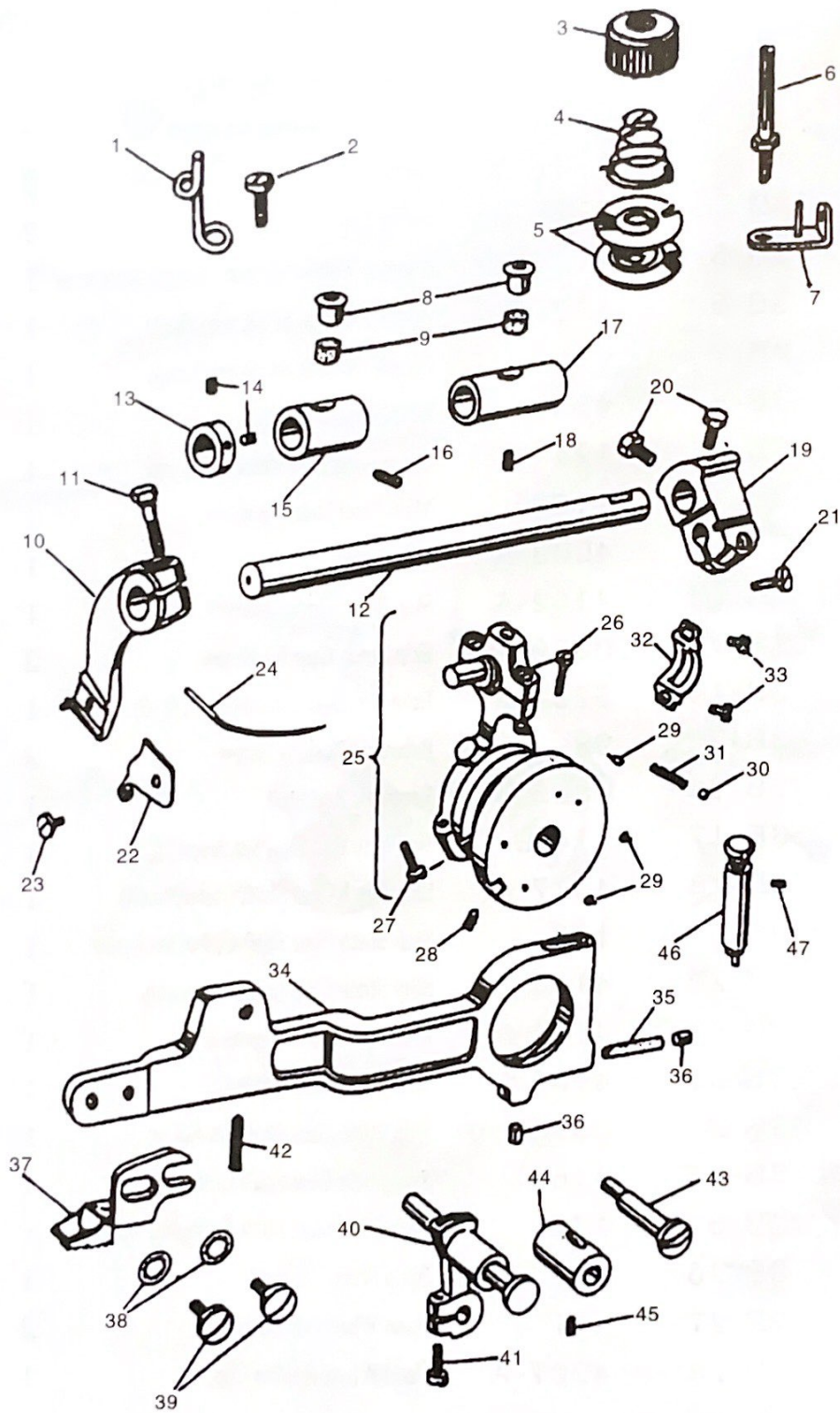
16.MACHINE FRAME AND COVERS COMPONENTS

Ref.No.	Figure No.	Parts No.	Description	Quantity
1	3A-1	4139	Arm Side Cover	1
2	3A-2	4144-A	Arm Side Cover Set Screw	1
3	3A-3	4137	Arm Side Cover Plate	1
4	3A-4	5227	Arm Side Cover Plate Screw	2
5	3A-5	4138C	Arm Top Cover Plate	1
6	3A-6	4141	Arm Top Cover Plate Screw	1
7	3A-7	4140-A	Arm Top Cover Plate Washer	1
8	3A-8	4203-A	Thread Guide	1
9	3A-9	4193	Thread Guide Set Screw	1
10	3A-10	4143	Belt Guard	1
11	3A-11	4048-A	Belt Guard Set Screw	1
12	3A-12	AM-101EX	Machine Frame	1
13	3A-13	11091	End Cover	1
14	3A-14	11153	End Cover Set Screw	1
15	3A-15	4214	Machine Base Felt Pad	1
16	3A-16	AC-15	Machine Base Clamp Screw	3
17	3A-17	AC-17	Machine Base Washer	3
18	3A-18	AC-16	Machine Base Nut	3
19	3A-19	4226	Skip Stitch Label	1
20	3A-20		Machine Base Oil-proof tray	1



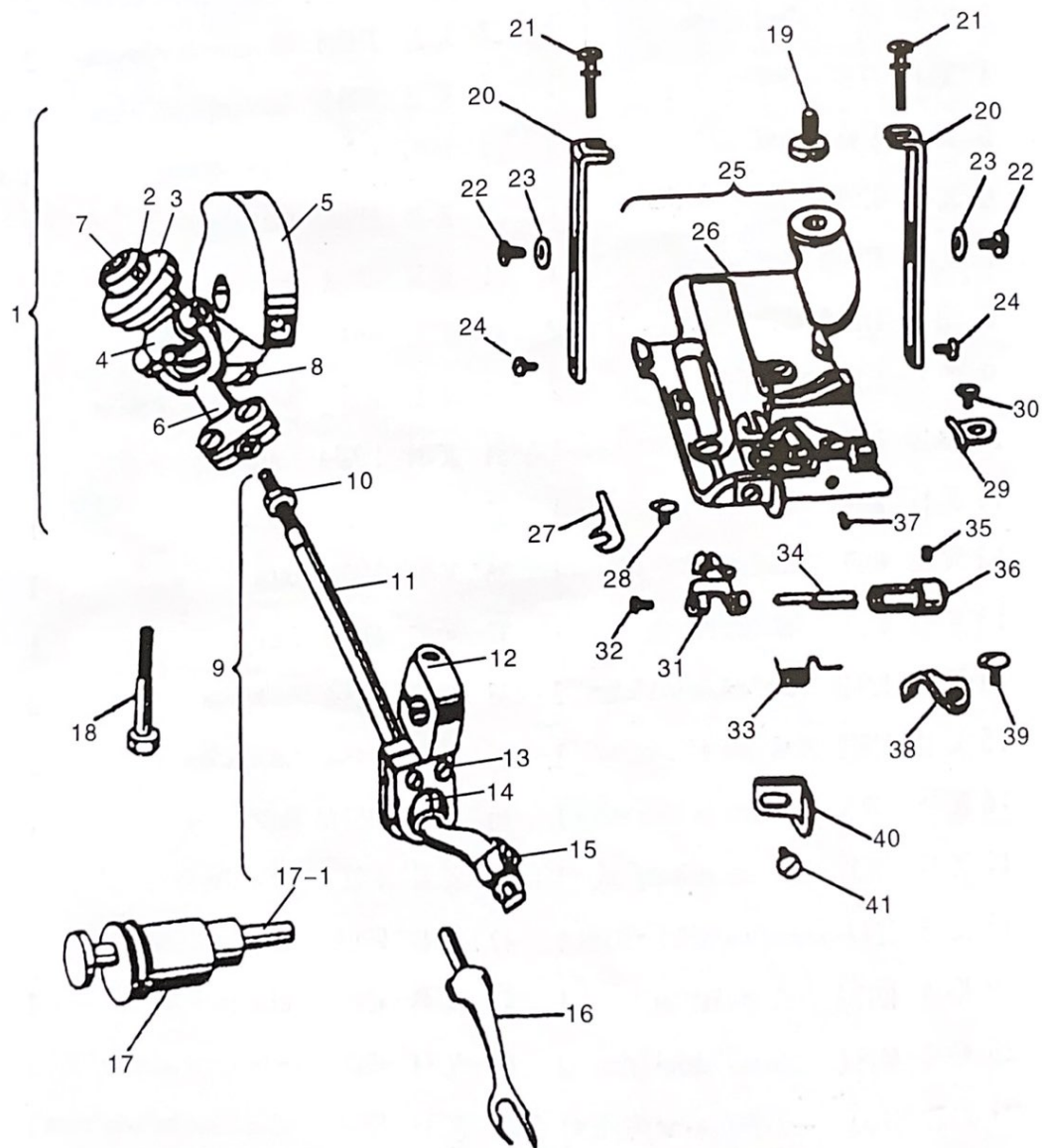
17.MAIN SHAFT MECHANISM COMPONENTS

Ref.No.	Figure No.	Parts No.	Description	Quantity
1	3B-1	1 1005	Main Shaft Bushing(Front)	1
2	3B-2	096010	Main Shaft Bushing Set Screw	2
3	3B-3	4127-A	Oiling Felt	2
4	3B-4	4128-A	Oiling Cap	2
5	3B-5	4133	Counter Weight (w/Stitch Length Numbers)	1
6	3B-6	132	Counter Weight Set Screw(Short)	1
7	3B-7	98	Counter Weight Set Screw(Long)	1
8	3B-8	4134	Stitch Length indicator	1
9	3B-9	124	Stitch Length indicator Set Screw	1
10	3B-10	11006	Main Shaft Bushing(Rear)	1
11	3B-11	4003-A	Main Shaft	1
12	3B-12	4162-A	Skip Stitch Gear(Sman)	1
13	3B-13	0096006	Skip Stitch Gear Set Screw	2
14	3B-14	525-AA	Eccentric Rod Assembly(w/n 0.15)	1
15	3B-7	98	Eccentric Bushing Screw	2
16	3B-16	4065	Eccentric Rod Stud	1
17	3B-17	114-B	Eccentric Rod Stud Set Screw	1
18	3B-18	4077-A	Skip Stitch Gear Shaft Collar(Small)	1
19	3B-6	132	Skip Stitch Gear Shaft Collar Set Screw	1
20	3B-20	4163	Skip Stitch Gear (large) Assembly	1
21	3B-21	4164-A	Eccentric Rod Connection	1
22	3B-22	4166-A	Skip Stitch Gear Shaft	1
23	3B-2	0096010	Skip Stitch Gear Shaft Set Screw	1
24	3B-24	4168	Skip Stitch Gear Shaft Collar(Lang)	1
25	3B-6	132	Skip Stitch Gear Shaft Collar Set Screw	1
26	3B-26	4142-B	Hand Wheel (Pulley)	1
27	3B-27	131	Hand Wheel Set Screw	2
28	3B-28	4207-A	Hand Wheel Rubber Cap	1



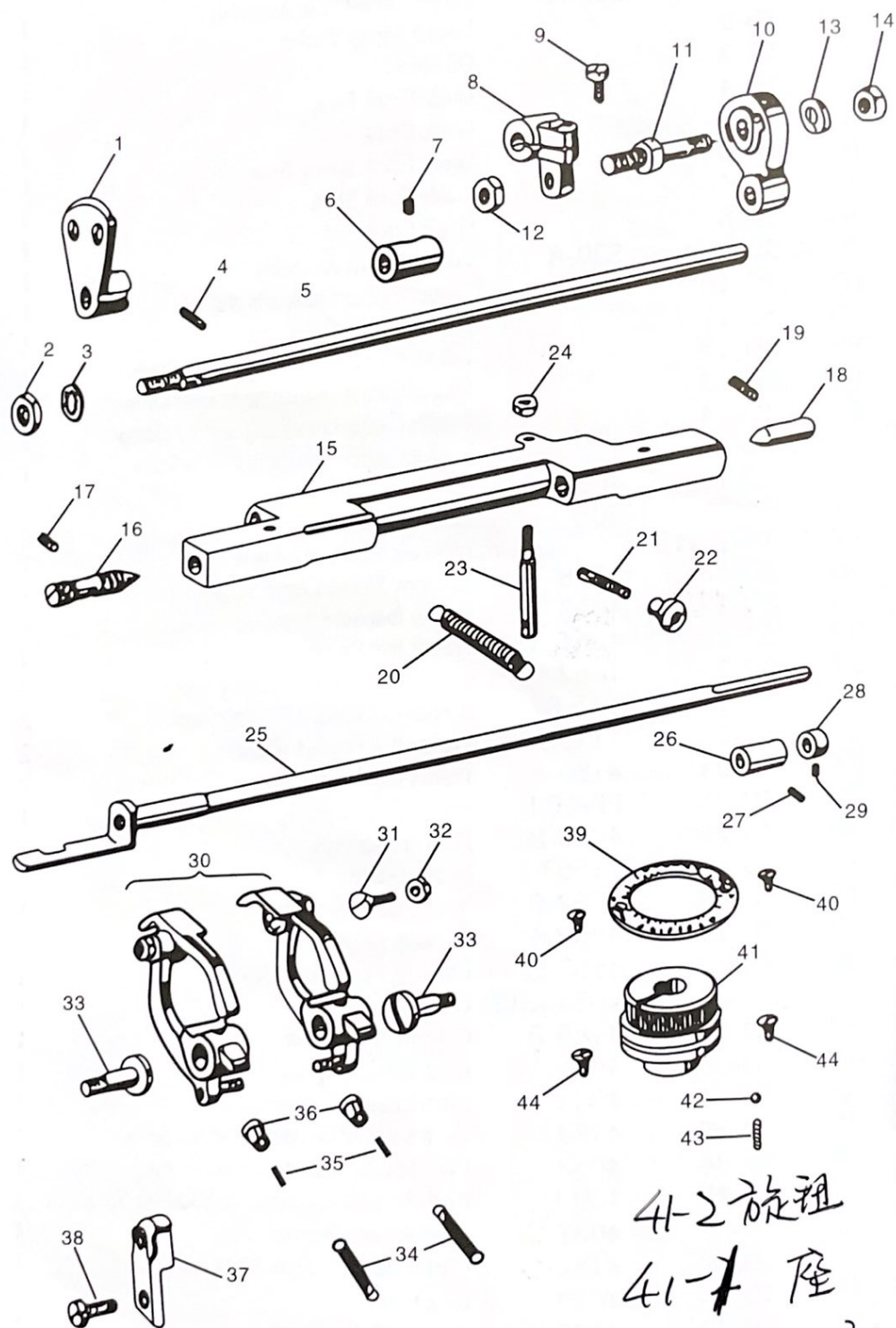
18.NEEDLE CARRIER&FEED DOG MECHANISM COMPONENTS

Ref.No.	Figure No.	Parts.No.	Description	Quantity	Ref.No.	Figure No.	Parts.No.	Description	Quantity
1	3C-1	4135	Thread Guide	1	25	3C-25	1151-B	Needle Driving Eccentric Assembly w/Rod Regulator&Screws(Rof.No.s26-29)	1
2	3C-2	113-A	Thread Guide Set Screw	1	26	3C-26	214012	Ball Connecting Rod Set Screws(Short)	2
3	3C-3	81	Thread Tension Nut	1	27	3C-27	214016	Ball Connecting Rod Set Screw(Long)	2
4	3C-4	79-B	Thread Tension Spring	1	28	3C-28	4009-B	Needle Driving Eccentric Set Screw	1
5	3C-5	5190	Thread Tension Disc	2	29	3C-29	4012-A	Stitch Regulator Screw	3
6	3C-6	21096	Thread Tension Staff	1	30	3C-30	4010	Stitch Regulator Ball	1
7	3C-7	4127-AT	Thread Tension Guide	1	31	3C-31	1011-A	Stitch Regulator Spring	1
8	3B-4	4128-A	Oil Cap	2	32	3C-32	1014	Ball Connecting Rod Cap	1
9	3B-3	4127-A	Oil Felt	2	33	3C-33	4015	Ball Connecting Rod Cap Set Screw	2
10	3C-10	4023-A	Needle Carrier(for Bs-101,101h)	1	34	3C-34	11902-A	Feed Lever	1
11	3C-11	4024	Needle Carrier Set Screw	1	35	3C-35	11124-J	Oiling Felt	1
12	3C-12	4019	Needle Carrier Shaft	1	36	3C-36	11121	Oil Cap	1
13	3C-13	4022	Needle Carrier Shaft Collar	1	37	3C-37	4047-C	Feed dog	1
14	3C-14	129-B	Needle Carrier Shaft Collar Set Screw	2	38	3C-38	2528-A	Feed dog Washer	2
15	3C-15	11032	Needle Carrier Shaft Bushing(Front)	1	39	3A-11	4048-A	Feed Dog Set Screw	2
16	3C-16	129-A	Needle Carrier Shaft Bushing Set Screw	1	40	3C-40	1152-AA	Feed Link and Stud	1
17	3C-17	11033	Needle Carrier Shaft Bushing(Rear)	1	41	3C-41	4173	Feed Link Clamp Screw	1
18	3C-18	129-A	Needle Carrier Shaft Bushing Set Screw	1	42	3C-42	95016	Feed Link Stud Set Screw	1
19	3C-19	4017-A	Needle Carrier Shaft Crank	1	43	3C-43	4044	Feed Link Eccentric Stud	1
20	3C-20	4018-C	Needle Carrier Shaft Crank Set Screw	2	44	3C-44	4043	Feed Link Eccentric Stud Bushing	1
21	3C-21	114-A	Needle Carrier Shaft Crank Clamp Screw	1	45	3C-45	129-A	Feed Link Eccentric Stud Bushing Set Screw	1
22	3C-22	4025-A	Needle Clamp	1	46	3C-46	520-A	Stitch Length Regulating Plunger Assembly	1
23	3C-23	121	Needle Clamp Set Screw	1	47	3C-47	129-A	Stitch Length Regulating Plunger Set Screw	1
24	3C-24	4181	Needle	1					



19.LOOPER DRIVING MECHANISM&PRESSER FOOT PARTS COMPONENTS

Ref.No.	Figure No.	Parts.No.	Description	Quantity
1	3D-1	538-A	Looper Drive Crank Assembly	1
2	3D-2		Looper Spring Washer	1
3	3D-3		Oil Shield	1
4	3D-4		Guide Crank Parts	1
5	3D-5		Guide Crank	1
6	3D-6		Guide Crank Spring Bow	1
7	3D-7		Guide Crank Shaft	1
8	3D-8		Guide Crank Nut	1
9	3D-9	539-A	Looper Carrier Assembly	1
10	3D-10		Looper Carrier Crank arm Nut	1
11	3D-11		Looper Carrier Crank arm	1
12	3D-12		Looper Carrier Oscillating bearing body	1
13	3D-13		Looper Carrier Oscillating bearing screw	2
14	3D-14		Looper Carrier Oscillating bearing clamp	1
15	3D-15		Looper Carrier Crank arm Clamp Screw	1
16	3D-16	4039	Looper	1
17	3D-17	505	Eccentric Sleeve and pin	1
17-1	3D-17-1		Eccentric Sleeve and dowel	1
18	3D-18	4038	Eccentric Sleeve Clamp Screw	1
19	3D-19	4050	Presser foot Set Screw	1
20	3D-20	4061-A	Presser foot Bracket	2
21	3D-21	4062	Presser foot Bracket Adjusting Screw	2
22	3D-22	121-B	Presser foot Bracket Holding Screw	2
23	3D-23	11158	Presser foot Bracket Washer	2
24	3D-24	4186-A	Presser foot Holding Screw	2
25	3D-25	PF-100	Presser foot Assembly	1
26	3D-26	4049-B	Plain Presser Foot	1
27	3D-27	11563	Needle Guide	1
28	3D-28	4052-B	Needle Guide Set Screw	1
29	3D-29	4058-A	Chaining Finger	1
30	3D-30	4158-B	Chaining Finger Set Screw	1
31	3D-31	4055-CAS	Cloth Retainer	1
32	3D-32	4185-B	Cloth Retainer Screw	1
33	3D-33	4056	Cloth Retainer Spring	1
34	3D-34	4054	Cloth Retainer Eccentric Stud	1
35	3D-35	4183	Cloth Retainer Eccentric Stud Set Screw	1
36	3D-36	4053	Cloth Retainer Eccentric Stud Bushing	1
37	3D-37	130-B	Cloth Retainer Eccentric Stud Bushing Set Screw	1
38	3D-38	4057-C	Cloth Retainer Stopper	1
39	3D-39	4182	Cloth Retainer Stopper Set Screw	1
40	3D-40	4059	Edge Guide	1
41	3D-30	4185-B	Edge Guide Set Screw	1



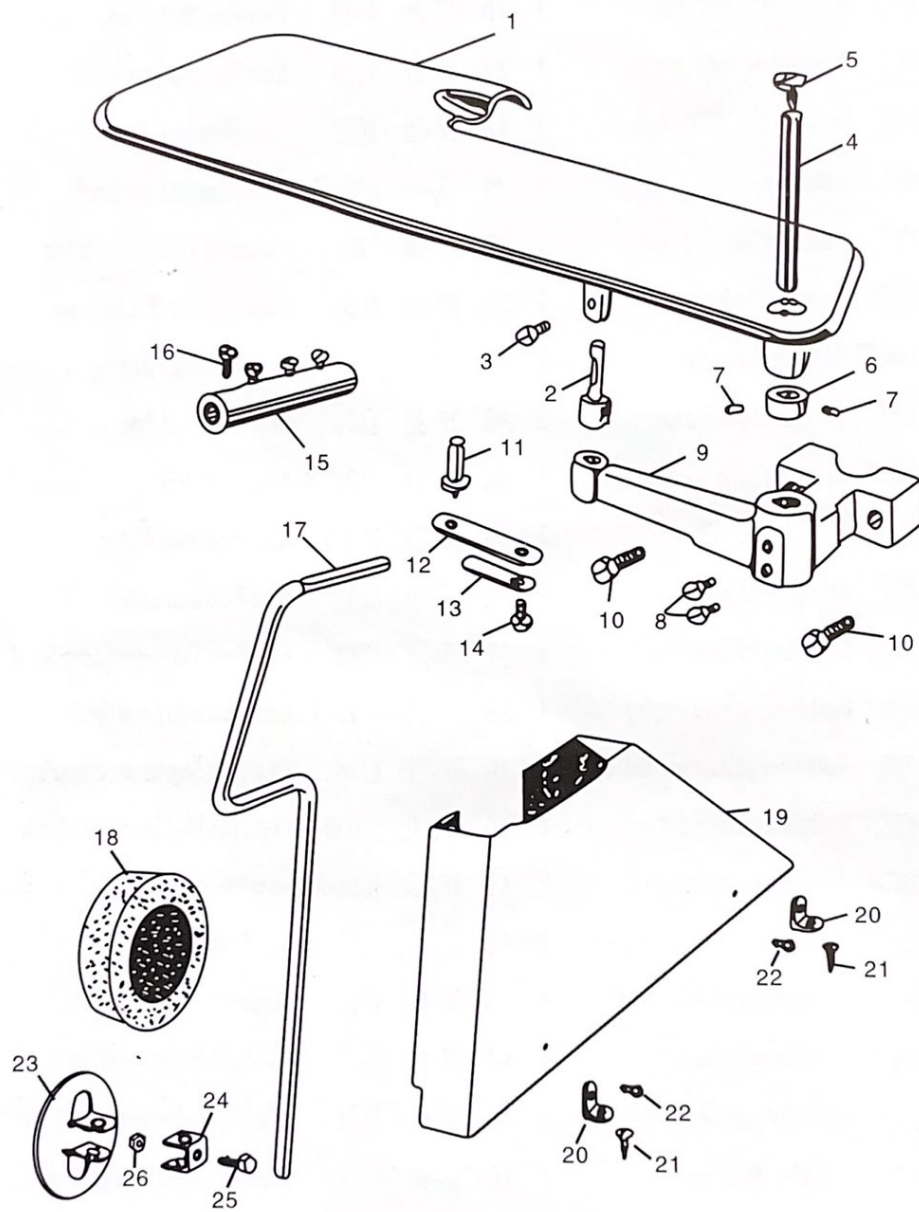
20. RIDGE FORMING DISC AND FEED PLATE MECHANISM COMPONENTS

Ref.No.	Figure No.	Parts.No.	Description	Quantity	Ref.No.	Figure No.	Parts.No.	Description
1	3E-1	11220-T	Ridge Forming Disc	1	23	3E-23	4103-B	Disc Adjusting Holder Spring Stud
2	3E-2	4208	Ridge Forming Disc Nut	1	24	3E-24	5208	Disc Adjusting Holder Spring Stud Nut
3	3E-3	5222-B	Ridge Forming Disc Washer	1	25	3E-25	11075-A	Feed Plate Shaft
4	3E-4	8150	Ridge Forming Disc Positioning Pin	1	26	3C-44	4043	Feed Plate Shaft Bushing
5	3E-5	4109-A	Ridge Forming Disc Shaft	1	27	3B-2	96010	Feed Plate Shaft Bushing Set Screw
6	3E-6	4111	Ridge Forming Disc Shaft Collar	1	28	3E-28	4090	Feed Plate Shaft Collar
7	3C-14	129-B	Ridge Forming Disc Shaft Collar Set Screw	1	29	3C-14	129-B	Feed Plate Shaft Collar Set Screw
8	3E-8	4112	Ridge Forming Disc Shaft Crank	1	30	3E-30	516-B	Feed Plate Assembly w/Screw & (for BS-101,101H)
9	3E-9	113-B	Ridge Forming Disc Shaft Crank Set Screw	1	31	3E-31	4101	Feed Plate Taper Bearing Screw
10	3E-10	11519	Ball Joint	1	32	3E-32	4070	Feed Plate Nut
11	3E-11	4230	Ball Joint Stud	1	33	3E-33	4096	Feed Plate Shoulder Bearing Screw
12	3E-12		Ball Joint Stud Nut	1	34	3E-34	4093-BA	Feed Plate Spring
13	3E-13	8179	Ball Joint Spring Washer	1	35	3E-35	4094	Feed Plate Spring Screw
14	3E-14	17203	Ball Joint Nut	1	36	3E-36	4095	Feed Plate Spring Adjusting Screw
15	3E-15	4102	Disc Adjusting Holder	1	37	3E-37	4097-A	Feed Plate Spring Bracket
16	3E-16	11048	Disc Adjusting Holder Pivot Bearing Screw	1	38	3E-9	113-B	Feed Plate Bracket Set Screw
17	3B-7	98	Disc Adjusting Holder Pivot Bearing Screw Set Screw	1	39	3E-39	11255-N	Disc Adjusting Dial
18	3E-18	11049	Disc Adjusting Holder Pivot Bearing Pin	1	40	3E-40	4129	Disc Adjusting Dial Set Screw
19	3E-19	11050	Disc Adjusting Holder Pivot Bearing Pin Set Screw	1	41	3E-41	519-GT	Disc Adjusting Regulator Assembly
20	3E-20	4104	Disc Adjusting Holder Spring	1	42	3C-30	4010	Disc Adjusting Regulator Ball
21	3E-21	4105	Disc Adjusting Holder Spring Screw	1	43	3E-43	10052	Disc Adjusting Regulator Spring
22	3E-22	4106	Disc Adjusting Holder Spring Nut	1	44	3C-33	115	Disc Adjusting Regulator Base Set Screw



21.DISC OSCILLATING MECHANISM AND KNEE PRESS SHAFT PARTS COMPONENTS

Ref.No.	Figure No.	Parts.No.	Description	Quantity	Ref.No.	Figure No.	Parts.No.	Description	Quantity
1	3F-1	4073-A	Disc Oscillating Rod Bracket Spring	1	26	3F-26	4083	Knee Press Shaft Crank	1
2	3F-2	4074	Disc Oscillating Rod Bracket Spring Screw	1	27	3F-27	4084	Knee Press Shaft Set Screw	1
3	3F-3	4075	Disc Oscillating Rod Bracket Spring Nut	1	28	3F-28	4087	Connecting Link (Small)	1
4	3F-4	4169	Connecting Rod	1	29	3F-29	4088-A	Connecting Link Set Screw	1
5	3B-16	4065	Connecting Rod Stud	1	30	3F-30	5207	Connecting Link Set Screw Nut	1
6	3B-17	114-B	Connecting Rod Stud Set Screw	1	31	3F-31	4085	Crank and Link Shoulder Screw	1
7	3F-7	S-4066-BB	Disc Oscillating Rod Assembly	1	32	3F-32	4081-A	Knee Press Shaft Bushing	1
8	3C-14	129-B	Disc Oscillating Rod Shaft Set Screw	2	33	3F-33	4177	Knee Press Shaft Pipe	1
9	3F-9	5115-A	Disc Oscillating Rod Pin	1	34	3F-34	11063-A	Knee Press Shaft	1
10	3C-16	129-A	Disc Oscillating Rod Set Screw	1	35	3F-35	11539	Knee Press Shaft Washer	1
11	3B-16	4065	Disc Oscillating Rod Stud	1	36	3F-36	5221	Knee Press Stop Lever	1
12	3F-12	4031-A	Disc Oscillating Rod Stud Set Screw	1	37	3F-27	4084	Knee Press Stop Lever Clamp Screw	1
13	3F-13	4069-A	Disc Oscillating Rod Bracket Spring Stud	1	38	3F-38	4222-B	Knee Press Stop Lever Spring	1
14	3F-14	4070	Disc Oscillating Rod Bracket Spring Stud Nut	1	39	3F-39	4116	Knee Press Stop Lever Spring Pin	1
15	3F-15	4076	Disc Oscillating Rod Bracket Shaft	1	40	3F-40	11050	Knee Press Stop Lever Limit Screw	1
16	3B-18	4077-A	Disc Oscillating Rod Bracket Shaft Collar	2	41	3F-25	4068-A	Knee Press Stop Lever Limit Screw Nut	1
17	3B-6	132	Disc Oscillating Rod Bracket Shaft Collar Set Screw	2	42	3F-42	4171	Skip-Stitch Selecting Grip	1
18	3B-2	96010	Disc Oscillating Rod Bracket Shaft Set Screw	1	43	3F-43	4010	Skip-Stitch Selecting Ball	1
19	3F-19	4098-A	Feed Plate Depressing Crank	1	44	3F-44	4011	Skip-Stitch Selecting Spring	1
20	3F-20	105	Feed Plate Depressing Crank Set Screw	1	45	3F-45	4174	Skip-Stitch Selecting Spring Holder	1
21	3F-21	4178-A	Crank and Link Shoulder Screw	1	46	3F-46	4170	Skip-Stitch Selecting Gipe Bushing	1
22	3F-22	5207	Crank and Link Shoulder Nut	1	47	3C-47	4172	Skip-Stitch Selecting Cam	1
23	3F-23	4086	Connecting Link (Large)	1	48	3F-48	4173	Skip-Stitch Selecting Cam Set Screw	1
24	3F-24	4067-A	Connecting Link Guide Screw	1	49	3F-49	4175-A	Skip-Stitch Selecting Cam Stud	1
25	3F-25	4068-A	Connecting Link Guide Screw Nut	1	50	3F-50	4170-A	Skip-Stitch Selecting Cam Stud Nut	1



22. Work Plate Knee Prss and Belt Cover Parts Components

Ref.No.	Figure.No.	Parts.No.	Description	Quantity
1	3G-1	11082	Work Plate	1
2	3G-2	11086-A	Work Plate latch	1
3	3G-3	11156	Work Plate latch Set Screw	1
4	3G-4	11134	Work Plate Shaft	1
5	3G-5	99-A	Work Plate Shaft Screwed Cap	1
6	3G-6	11008	Work Plate Shaft Collar	1
7	3G-7	8137	Work Plate Shaft Collar Set Screw	2
8	3G-8	11156	Work Plate Shaft Set Screw	2
9	3G-9	11083-D	Work Plate Bracket	1
10	3G-10	4158-A	Work Plate Bracket Set Screw	2
11	3G-11	4159	Work Plate Bracket Spring Pin	1
12	3G-12	11084	Work Plate Bracket Leaf Spring(Long)	1
13	3G-13	11085	Work Plate Bracket Leaf Spring(Short)	1
14	3G-14	11156	Work Plate Bracket Leaf Spring Set Screw	1
15	3G-15	4146-B	Knee Press Rod Sleeve	1
16	3G-16	4147-C	Knee Press Rod Sleeve Set Screw	4
17	3G-17	4148-B	Knee Press Rod	1
18	3G-18	S-21088	Knee Press Pad Set	1
19	3G-19		Belt Cover Set	1
20	3G-20		Wheels and feet	2
21	3G-21		Cotton stand wood screw	2
22	3G-22		Screw	1
23	3G-23		Feet Press Sheetiron	1
24	3G-24		Feet Press Sheetiron anbanteil	1
25	3G-25		Feet Press Sheetiron Screw	1
26	3G-26		Feet Press Sheetiron Nut	1