

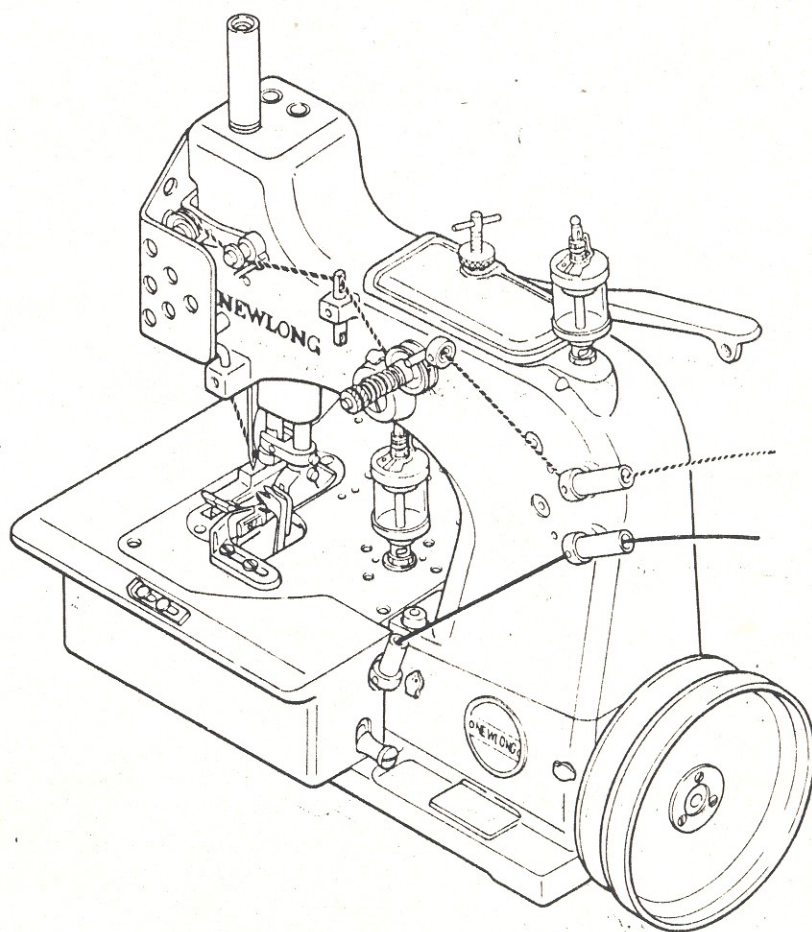
NEWLONG

HR-2A

JUTE BAG OVEREDGING MACHINE

INSTRUCTION MANUAL PARTS LIST

MODEL
HR-2A



ニューロング株式会社

NEWLONG MACHINE WORKS, LTD.

Cavemac

Controle do Acervo de Catálogos

Identificação	564
Edição	ÚNICA
Conteúdo	NEWLONG HR-2A

ESCA

NEW YORK



NEW YORK



NEW YORK

NEW YORK

NEW YORK

Identifying and Ordering Parts

Where the construction permits, each part is stamped with its part number. On all orders, please include part number, part name and model name of machine.

Safety Rules

To prevent personal injury:

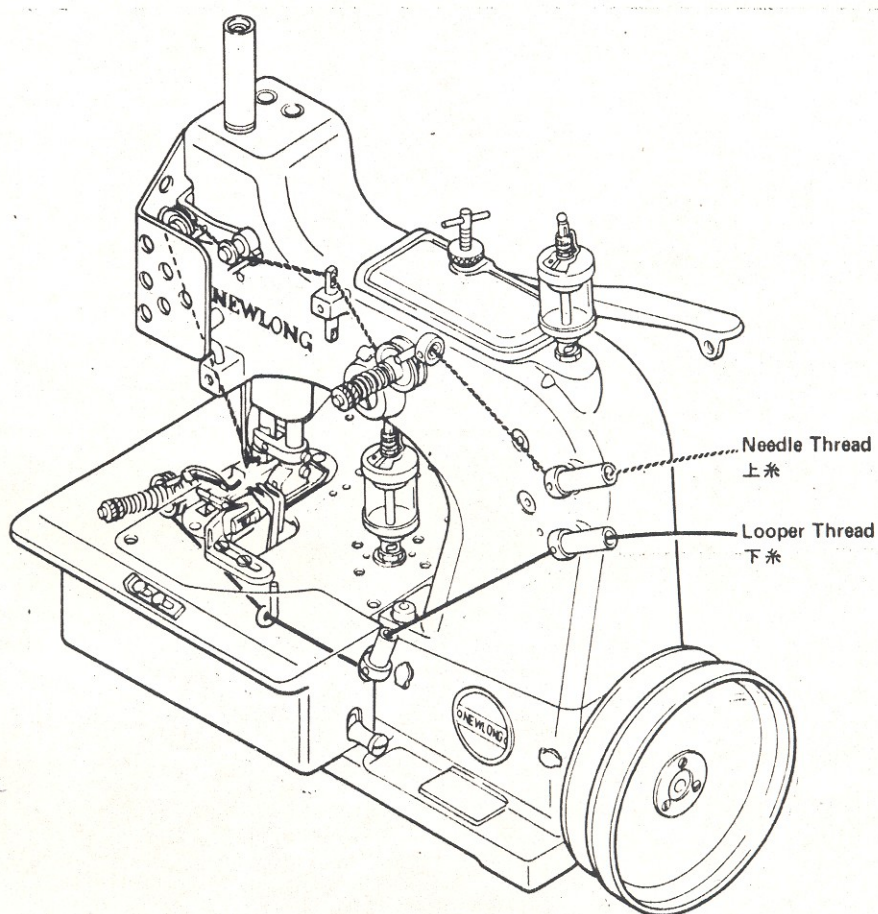
- All power sources to the machine must be turned off before threading, oiling, adjusting or replacing parts.
- All cover and guards must be in position before operating machine.
- Do not tamper with safety cover, guards, etc., while machine is in operation.

Maintenance

Please keep in mind to handle the machine carefully and to maintain the machine in good condition.

- Thread fuzz or dust must be cleaned with air or brush on throat plate, in the groove of feed dog or around looper after the day's work.

THREADING 糸通し図



MODEL/HR-2A JUTE BAG OVEREDGING MACHINE INSTRUCTION MANUAL

* Read This Manual Carefully Before Operating The Machine.

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1. DESCRIPTION

Single needle, plain feed, flat bed, double thread overseaming stitch machine.

2. APPLICATION

For overseaming of lightweight to heavy weight jute or PP/PE woven cloth bags.

3. SPECIFICATIONS

Seam specification and stitch type:	502-SSa-1
Stitch range:	6.5 to 15 mm
Standard setting of range:	10 mm
Overseam Width:	10 mm (15 mm available with special order)

Maximum thickness of material:	16 mm
Feed:	Plain feed
Needle type and size:	UO x 1970-400
Thread:	Cotton or jute
Maximum speed:	2,000 rpm
Working speed:	1,850 rpm (50 Hz); 1,880 rpm (60 Hz)
Motor speed:	2,840 rpm (50 Hz); 3,400 rpm (60 Hz)
Motor pulley diameter:	φ105 mm (50 Hz); φ90 mm (60 Hz)
V-belt type and size:	M41 (50 Hz); M40 (60 Hz)

4. ADJUSTING INSTRUCTIONS

4-1 Setting Needle

Before adjusting the machine, insert a new needle into the needle bar as deep as it will go. The long groove of the needle should face the operator. Tighten the needle bar nut (HA56) firmly.

[Note]

Improper needle setting, a crooked needle, and worn out needle point and hole are possible causes of thread breaking and skipping.

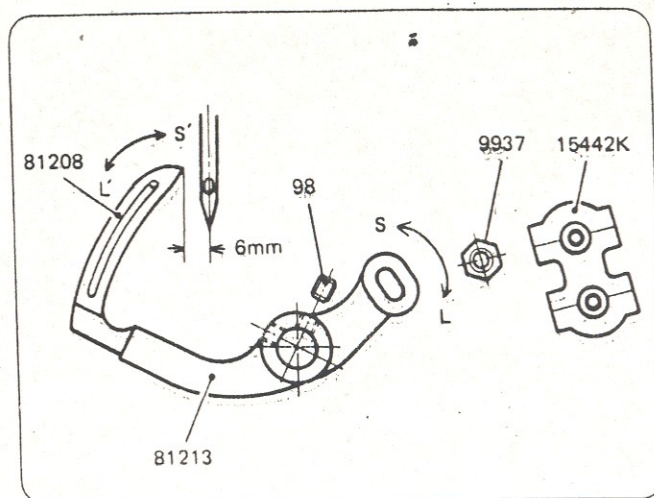
4-2 Adjusting Looper

For convenient access, remove the presser foot, throat plate and feed dog. Insert a looper (81208) into the looper rocker (81213). Turn the pulley clockwise, and check the distance between the needle center and the looper point in the lowest position of the needle bar just before moving upwards. The distance should be 6 mm as shown in (Figure 1). If it is larger or smaller than 6 mm, carry out necessary adjustments after loosening the nut (9937) which holds the looper rocker (81213) and the ball joint (15442K) in position, until the required distance is obtained. Setting the looper rocker and the ball joint in the directions S will cause the looper get nearer to the needle (S'), while setting them in the direction L will make the looper go away from the needle (L'). Never fail to tighten the nut (9937) after the adjustment.

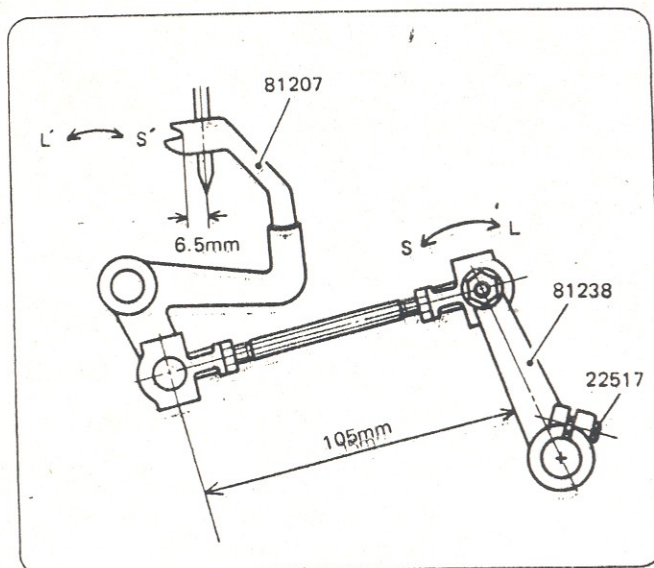
Turn the pulley clockwise, and adjust the looper rocker so that the clearance between the looper point and the needle is 0.1 mm when the looper moves to the right and passes behind the needle. For this adjustment, the looper rocker can be moved in the axial direction when the set screw (98) of the looper rocker is loosened.

[Note]

- (1) If the distance between the needle center and the looper point is shorter than 6 mm, "double stitching" will be caused while the thread may skip if it is larger.
- (2) If there is no clearance between the needle and the looper, with the needle contacting the looper, the former will be damaged and thread break will be caused. Thread may skip if the clearance is too large.



< Fig. 1 >

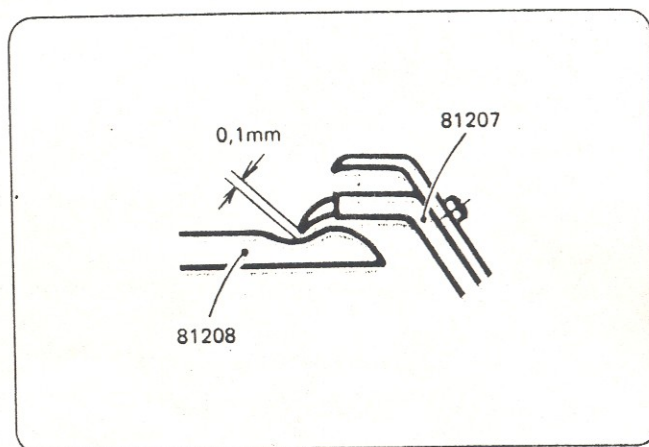


< Fig. 2 >

4-3 Adjusting Spreader

Turn the pulley clockwise, and check the distance between the needle center and the concave part of the spreader (81207) at the time when the spreader is at the farthest in the left. The distance must be 6.5 mm as shown in (Figure 2). If the distance is larger or smaller than 6.5 mm, carry out necessary adjustments as follows: loosen the set screw (22517) of the spreader lever (81238), and turn the lever down (direction S') to move the spreader to the right (direction S'), or turn it up (direction L) to move the spreader to the left (direction L'). Never fail to tighten the set screw (22517) after the adjustment.

Turn the pulley clockwise further, and you will see the looper moves to the right while the spreader goes to the left. In this case, note that the spreader point passes the concave part of the looper (on the far side), as shown in (Figure 3). Check the clearance between the concave part of the looper and the spreader point. The clearance should be 0 to 0.1 mm. If the clearance does not fall within the specified range, loosen the set screw (318) of the spreader bearing (81255), as is shown in (Figure 4), and move up the



< Fig. 3 >

spreader bearing (in the direction S) to make the clearance smaller or move it down (in the direction L) to make the clearance larger. Firmly tighten the set screw of the spreader bearing after the adjustment. Confirm that the clearance between the needle and the spreader is 0 to 0.5 mm at the time when the needle is coming in between the spreader and the loop guide (81210), while turning the pulley clockwise.

[Note]

The center distance of the ball joint connecting the spreader lever (81238) and the spreader rocker (81213A) is fixed at 105 mm. Keep this dimension, otherwise timing of the looper and the spreader will get out of order.

4-4 Setting Height of Needle Bar

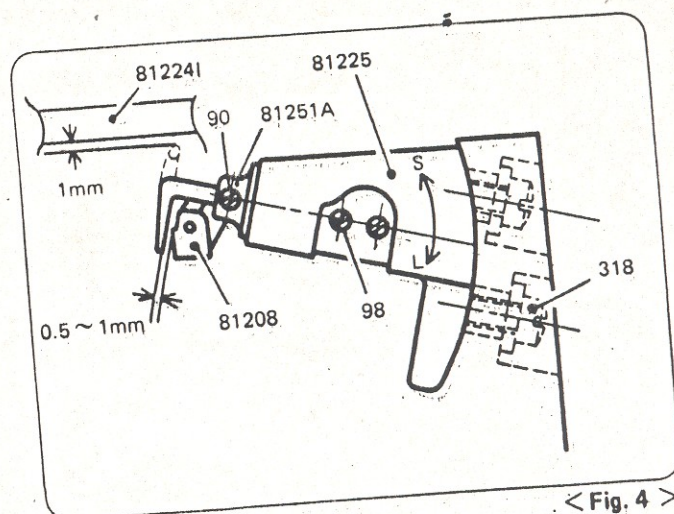
Adjust the height of the needle bar (80617) so that the upper part of the needle hole coincides with the looper hole, as shown in (Figure 5), when the looper goes to the right and the looper hole aligns with the needle center. For this adjustment, loosen the set screw (BP108) of the needle bar holder (80659) and move the needle bar vertically. After the adjustment, always tighten the set screw.

4-5 Adjusting Thread Retainer

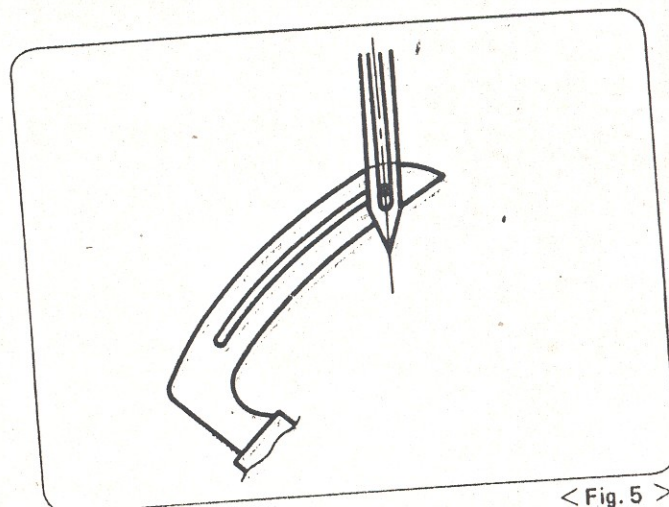
The thread retainer (81211) has to catch the lower thread before the looper (81208) enters the needle thread loop. It is to be adjusted so that the clearance between the thread retainer and the looper is 0.5 to 1 mm when the retainer begins its upward movement and the looper is at its farthest right position. For this adjustment, loosen the set screw (90) of the retainer and move the retainer as necessary (Figure 4 refers). Loosen the set screw (98) of the spreader rocker (81213A) and turn the spreader rocker shaft (81251A) as necessary, so that the clearance between the point of the retainer and the throat plate (81224I) is 1 mm at the time when the retainer is facing upwards to its full extent.

4-6 Adjusting Feed Dog

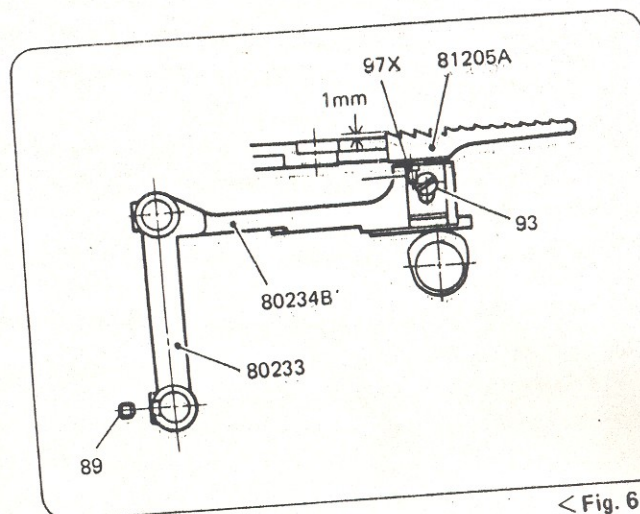
The height of the feed dog is correct when, at its highest point of travel, the rearmost teeth project above the throat plate by 1 mm as shown in (Figure 6). This can be accomplished by removing the feed dog (81205A), then adjusting the screw (97X) of the feed bar (80234B) to obtain the required height. Fasten the feed dog set screw (93) after ensuring that the feed dog is contacting the screw (97X). To adjust the feed dog within the throat plate (81224I), ensuring uniform clearance between the rows of teeth and the throat plate grooves, loosen the set screw (89) of the feed rocker (80233), and adjust the feed rocker as necessary.



< Fig. 4 >



< Fig. 5 >



< Fig. 6 >

4-7 Adjusting Stitch Length

The stitch length is adjustable in the range of 6.5 to 15 mm. Your machine is set at the standard stitch length of 10 mm in our plant before shipment. To adjust, loosen the nut (HA18A) of the feed regulating stud (80696) which connects the feed rocker (80233) and the feed rod (80651), and move the feed regulating stud vertically, as shown in (Figure 7). Bringing down the feed regulating stud makes the stitch longer and moving it up shorter. After the adjustment, never forget to tighten the nut.

[Note]

Any change in the stitch length will necessitate a corresponding change in the setting of the needle guard (80225).

4-8 Adjusting Needle Guard

Mount the needle guard (81225) in the groove on the throat plate (81224I), as shown in (Figure 8), and adjust its position so that the clearance between the needle and the guard is 1 mm. Hold the guard in position by means of the screw (90).

Mount another needle guard (80225) on the feed bar (80234B), as shown in (Figure 9), and adjust its position in the groove of the feed bar, so that it will just contact the needle as the needle goes up. Hold the guard in position securely by tightening the screw (93A). To confirm the proper adjustment, turn the pulley counterclockwise to check if the needle clicks on the guard. If it does, the guard is pushing the needle and readjustment is necessary.

[Note]

Readjustment of the needle guard (80225) is always necessary when the stitch length is changed.

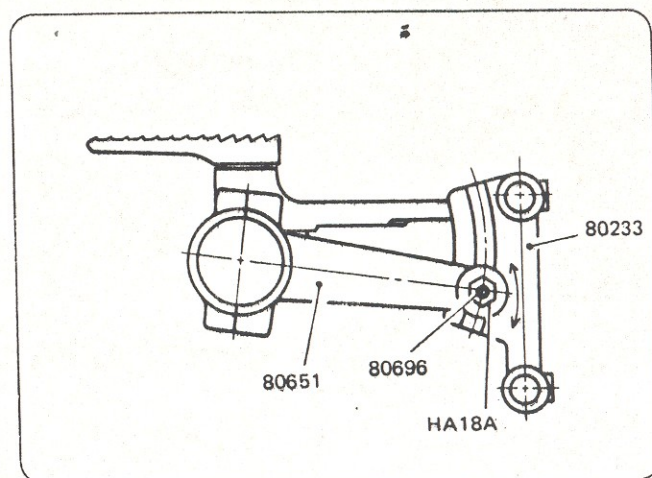
4-9 Adjusting Rolling Needle Thread Guide Assembly

Adjust the rolling needle thread guide assembly (80665D) so that the needle thread is raised by 2 to 3 mm, as shown in (Figure 10), when the needle is low.

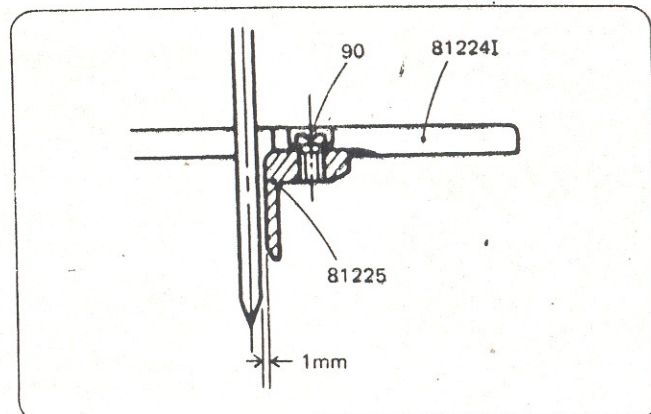
4-10 Mounting Presser Bar and Adjusting Pressure of Presser Foot

The presser bars must move freely. Remove the face cover (80887A) and determine the position of the set collar (482C), as follows:

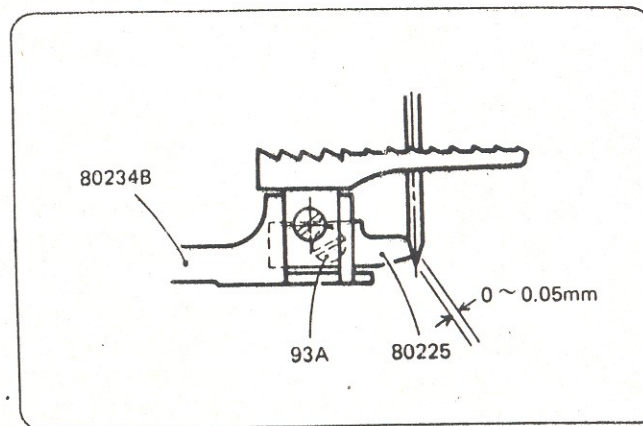
1. Adjust and set the presser bar holder (80632) so that the clearance between the presser lifter lever (80648) and the presser lifter pin (22870) is 1 mm, as shown in (Figure 11).
2. Make the clearance between the presser bar holder and the set collar "A" 1.5 mm.
3. Make the clearance between the set collars "A" and "B" 7 mm.



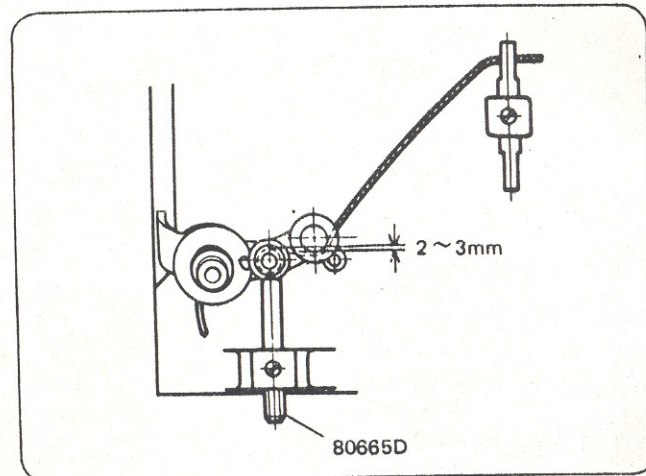
< Fig. 7 >



< Fig. 8 >

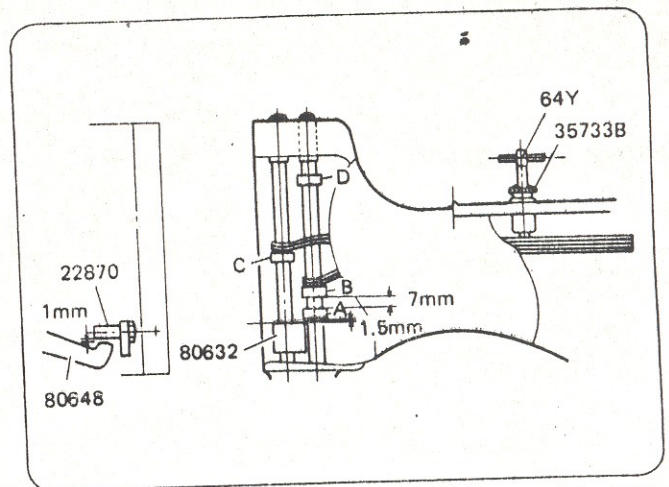


< Fig. 9 >



< Fig. 10 >

4. Place the set collar "C" in the middle of the presser bar bushing, upper, and the presser bar holder.
5. There must be a sufficient clearance between the presser foot (in the highest position) and the needle bar nut (in the lowest position). A sufficient clearance is also required between the spreader in the upward movement and the presser foot finger in the lifted position. Adjust the set collar "D" so that the spreader in its upward movement will not hit the presser foot finger at the time when the presser foot is lifted by the lifter lever (80648).
6. Now that the position of the set collars "A" to "D" has been determined, and they are properly set, adjust the spring pressure properly by means of the presser foot plate spring adjusting screw (64Y) located on the top cover (80688). After the adjustment, firmly lock the adjusting screw using the lock nut (35733B), to prevent its loosening.



< Fig. 11 >

5. TEST OPERATION

Start the machine and run it at high speed for a short time, to check if satisfactory chaining is obtainable with or without fabric. Regulate thread tension to obtain proper seam. Generally, there should be a tighter tension on the needle

thread than on the looper thread. Should the fabric and the thread chain be damaged by the teeth of the feed dog, the teeth may be slightly blunted with an oil stone.

6. STARTING MACHINE

Before starting the machine, open the hinged front plate and remove the covers on the front and top sides. Oil the machine according to the oiling diagram. Lubricate all the eccentrics on the main shaft carefully. Fill the sight oil glasses. Turn the machine by hand and confirm the smooth

run. Run the machine slowly for about 10 minutes to allow the wicks absorb oil. Fill oil in all the oil spots and run the machine at full speed. Thread the machine according to the threading diagram.

7. CHANGING NEEDLE SIZE

When using another size of needle, the looper must be correctly adjusted. In any case, check the adjustment of the looper and the needle guard.

8. LUBRICATION

Lubrication is performed everyday to ensure a long serving life of the machine. Each oiling part is marked with a red cap.

Before starting operation, please make sure that an oil cup is sufficiently filled with oil, and please supplement oil if it found not enough.

PLEASE OBSERVE THE OILING WITHOUT FAIL, AS AN UNSUFFICIENT OILING COULD HAVE THE MACHINE BURNT OR CAUSE OTHER TROUBLE.

For lubrication, we recommend **WHITE SPINDLE # 60** or equivalent. (Viscosity: 8-12 cst at 40°C) As an example, **SHELL TERACE OIL C10**.

ORDERING PARTS

- (1) Description of each part and its stamp number is described in this parts list. Screws and nuts for parts are shown adjacent to the relevant parts. When ordering parts, describe clearly stamp number with its name of part.
 - (2) Part that has no Ref. Number can not be delivered independently; always order it as an assembly.
- * Information included in this part list is subject to change without prior notice.

御注文上の注意事項

- (1) 御注文の際は、部品番号、部品名称、個数を明記下さい。
- (2) 但し図番 (Ref. No.) の記入がない部品は、単体販売できませんので、それに該当する完備部品 (組部品) をご注文下さい。

※本部品表は改良のため予告なく変更することがあります。

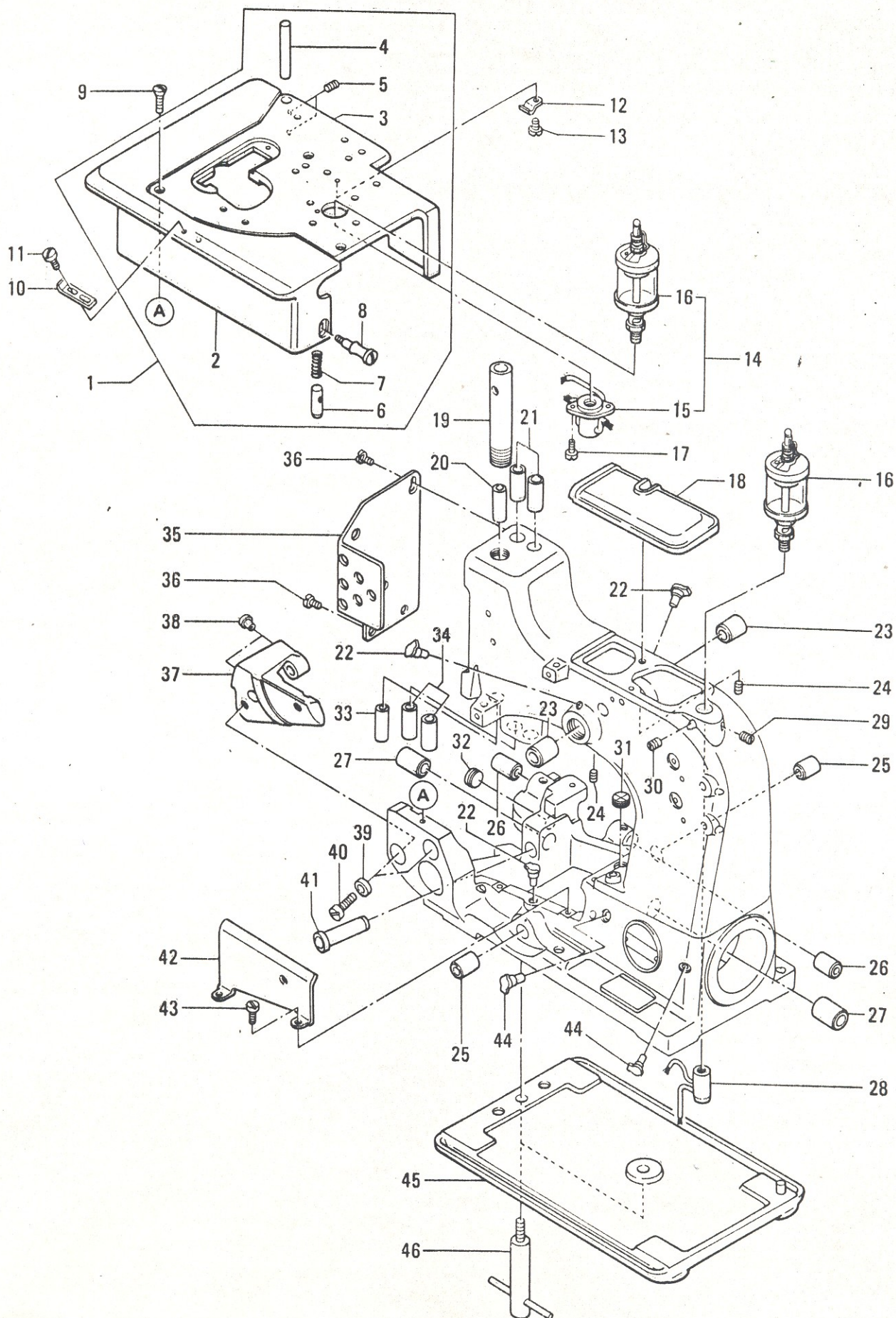
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01 BUSHING, OILER AND COVER PARTS

ブッシュ、オイラー、カバー関係

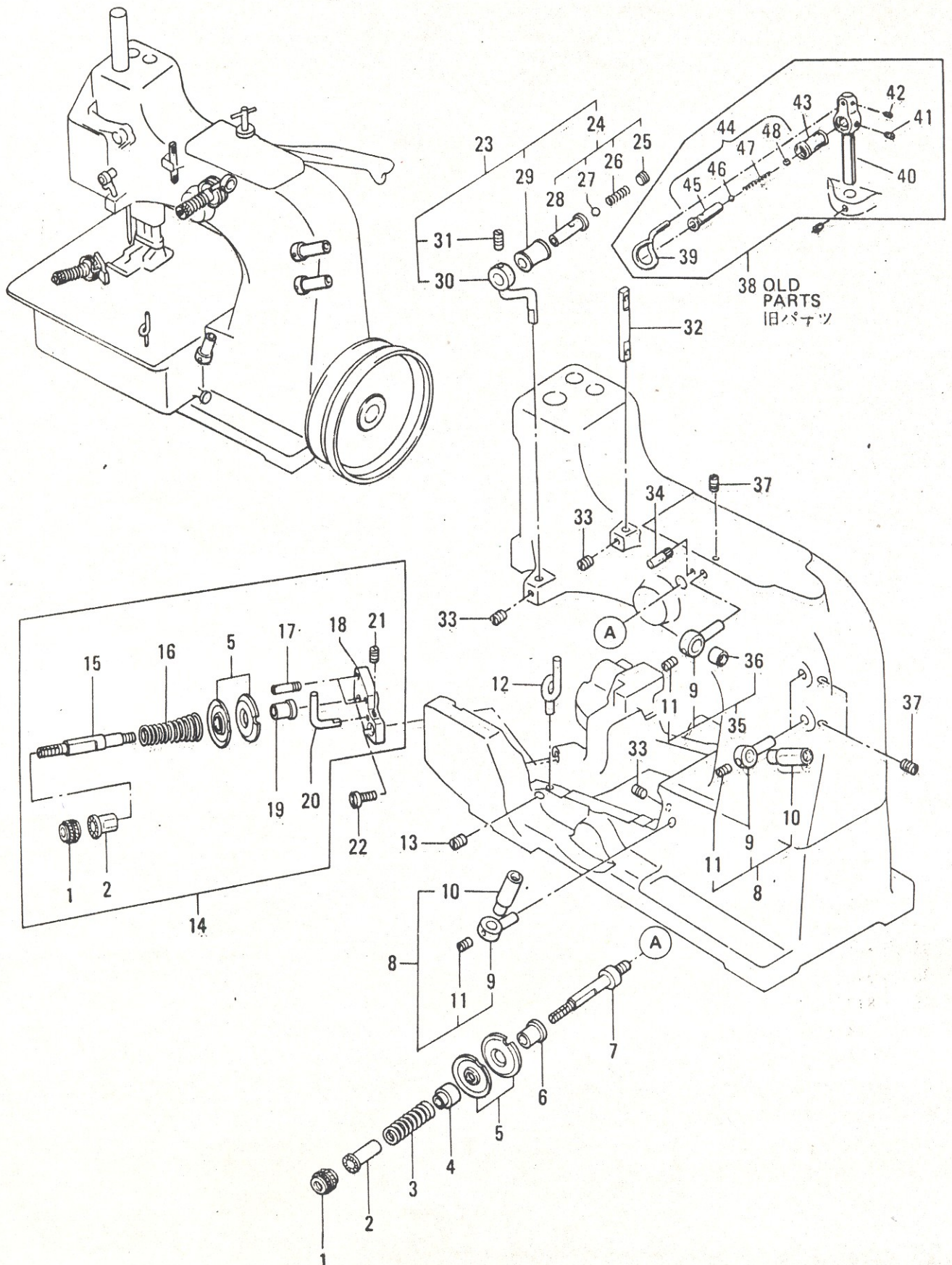


01 BUSHING, OILER AND COVER PARTS

ブッシュ、オイル、カバー関係

図番 Ref. No.	部品番号 Part No.	部品名称 Description	個数 Q'ty	摘要 Remarks
1-1	76-81201	Cloth Plate Ass'y	1	(2~8)
2	81201A	Cloth Plate Swinging Extension	1	
3	81201	Cloth Plate	1	
4	80437A	Axle	1	
5	89	Screw	2	
6	81239	Guide	1	
7	80438	Spring	1	
8	80440	Screw	1	
9	22574	Screw	3	
10	81203B	Fabric Edge Guide	1	
11	376A	Screw	2	
12	80291	Oil Tube Clamp	1	
13	22513	Screw	1	
14	81290	Cloth Plate, Oil Reservoir Ass'y	1	(15, 16)
15	765021	Cloth Plate, Oil Reservoir	1	
16	666-79	Sight Feed Oiler	2	
17	22562	Screw	2	
18	80688	Top Cover	1	
19	80673C	Guard for Needle Bar	1	
20	80273	Bushing for Needle Bar, upper	1	
21	80262	Bushing for Presser Bar, upper	2	
22	80689A	Oil Cup (φ3/16)	3	
23	80246	Bushing for Needle Lever Shaft	2	
24	89	Screw	2	
25	81240A	Bushing for Transverse Shaft	2	
26	80292	Bushing for Feed Rocker Shaft	2	
27	80694	Bushing for Main Shaft	2	
28	80293A	Oil Distributing Member	1	
29	96A	Screw	1	
30	95	Screw	1	
31	22539F	Plug Screw	1	
32	22539	Plug Screw	1	
33	80273A	Bushing for Needle Bar, lower	1	
34	80262A	Bushing for Presser Bar, lower	2	
35	80887A	Face Cover	1	
36	376	Screw	2	
37	81255	Looper Shaft Bearing	1	
38	41046G	Ball Valve Oiler	2	
39	81257	Washer	2	
40	318	Screw	2	
41	81261	Bushing for Cone Shaft	1	
42	81284A	Shield for Looper Drive	1	
43	94	Screw	2	
44	80690A	Oil Cup	2	
45	80280A	Base Plate	1	
46	21681B	"T" Screw	2	

02 MISCELLANEOUS THREAD GUIDE AND THREAD TENSION PARTS 糸調子, 糸ガイド関係



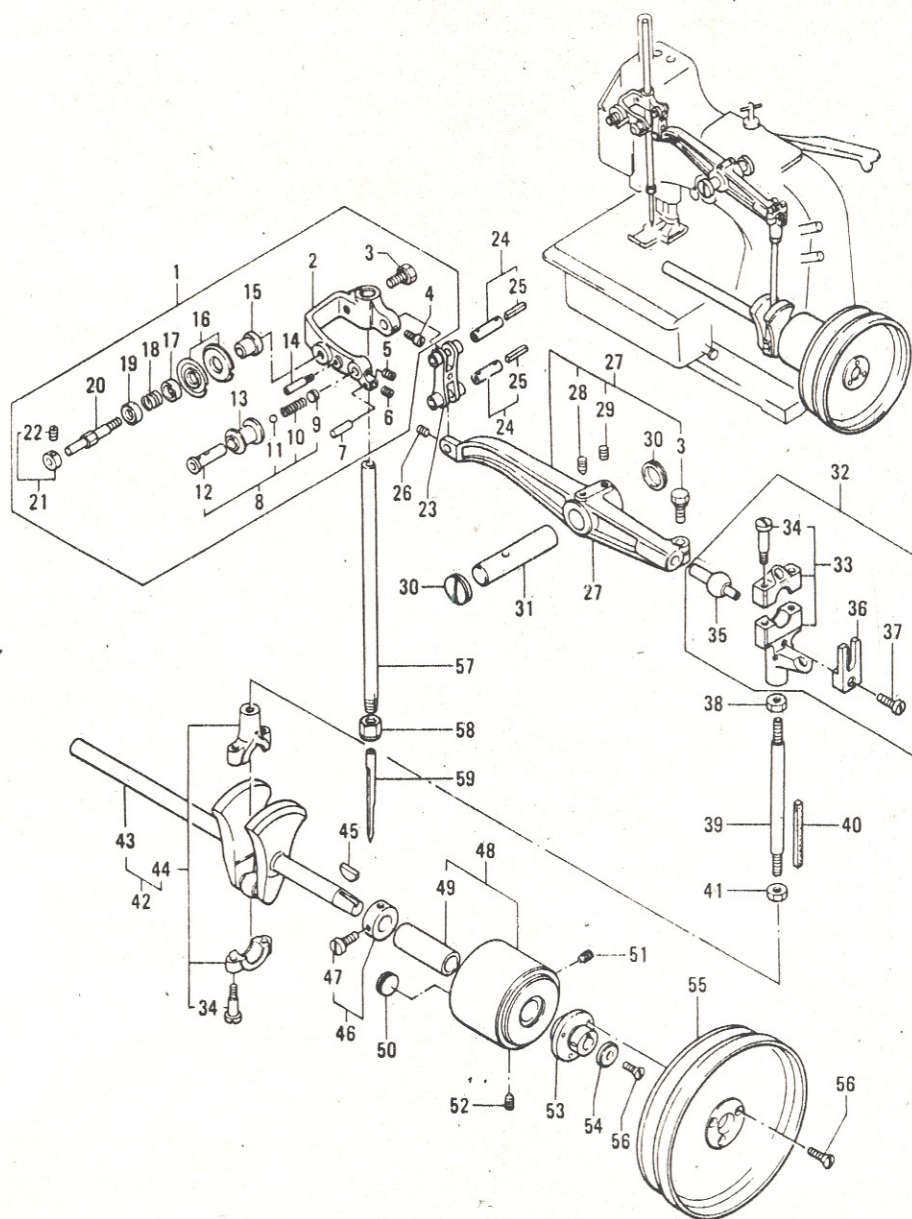
02 MISCELLANEOUS THREAD GUIDE AND THREAD TENSION PARTS

糸調子, 糸ガイド関係

図番 Ref. No.	部品番号 Part No.	部品名称 Description	個数 Q'ty	摘要 Remarks
2-1 X	108	Tension Regulating Nut	2	
2 X	107	Tension Spring Ferrule	2	
3 X	110-4	Tension Spring	1	
4	HA1349	Tension Sleeve	1	
5 X	80676A	Tension Disc	4	
6	HA1348	Tension Post Ferrule	1	
7	HS106	Tension Post	1	
8 X	81256A	Thread Sleeve Ass'y	3	(9~11)
9 X	AS137	Support	4	
10 X	81256	Thread Sleeve	3	
11	28C	Screw for 81256	4	
12 X	81252	Thread Eyelet	1	
13 X	88	Screw for 81252	1	
14 X	81250G	Looper Thread Tension Ass'y	1	(1,2,5,15~21)
15 X	81292	Tension Post	1	
16 X	1349A-5	Tension Spring	1	
17	HS100D	Pin Screw	2	
18 X	81250E	Bracket	1	
19 X	80669	Tension Post Ferrule	1	
20 X	81253	Thread Hook for 81250G	1	
21 X	28C	Screw for 81253	1	
22	22517	Screw	1	
23	80665D	Rolling Thread Guide Ass'y	1	(24,29~31)
24	HS53B	Rolling Thread Guide	1	(25~28)
25	22560	Screw	1	
26	HA1286B	Spring	1	
27	12964C	Spring Ball	1	
28	81086G	Rolling Thread Guide Axle	1	
29	80668	Thread Guide Roller	1	
30	80665	Thread Roller Support	1	
31	88	Screw	1	
32 X	G111	Thread Guide	1	
33 X	95	Screw	3	
34 X	80667	Tension Disc Stop Pin	1	
35	AS137A	Thread Eyelet with Support Ass'y	1	(9,11,36)
36	HA103B	Thread Eyelet	1	
37 X	22560B	Screw	3	
38 X	80250	Rolling Thread Guide Ass'y	1	(39~45)
39 X	80250B	Rolling Thread Guide Wire	1	
40 X	80250A	Holder	1	
41 X	88	Screw	1	
42 X	22743	Screw	1	
43 X	80668	Thread Guide Roller	1	
44	HS52B	Rolling Thread Guide	1	(45~48)
45	81086C	Rolling Thread Guide Axle	1	
46	12964C	Spring Ball	1	
47	HA1286B	Spring	1	
48	22560	Screw	1	

OLD
PARTS
旧パーツ

03 NEEDLE LEVER, PULLEY AND CRANK SHAFT PARTS クランクシャフト, 針棒関係



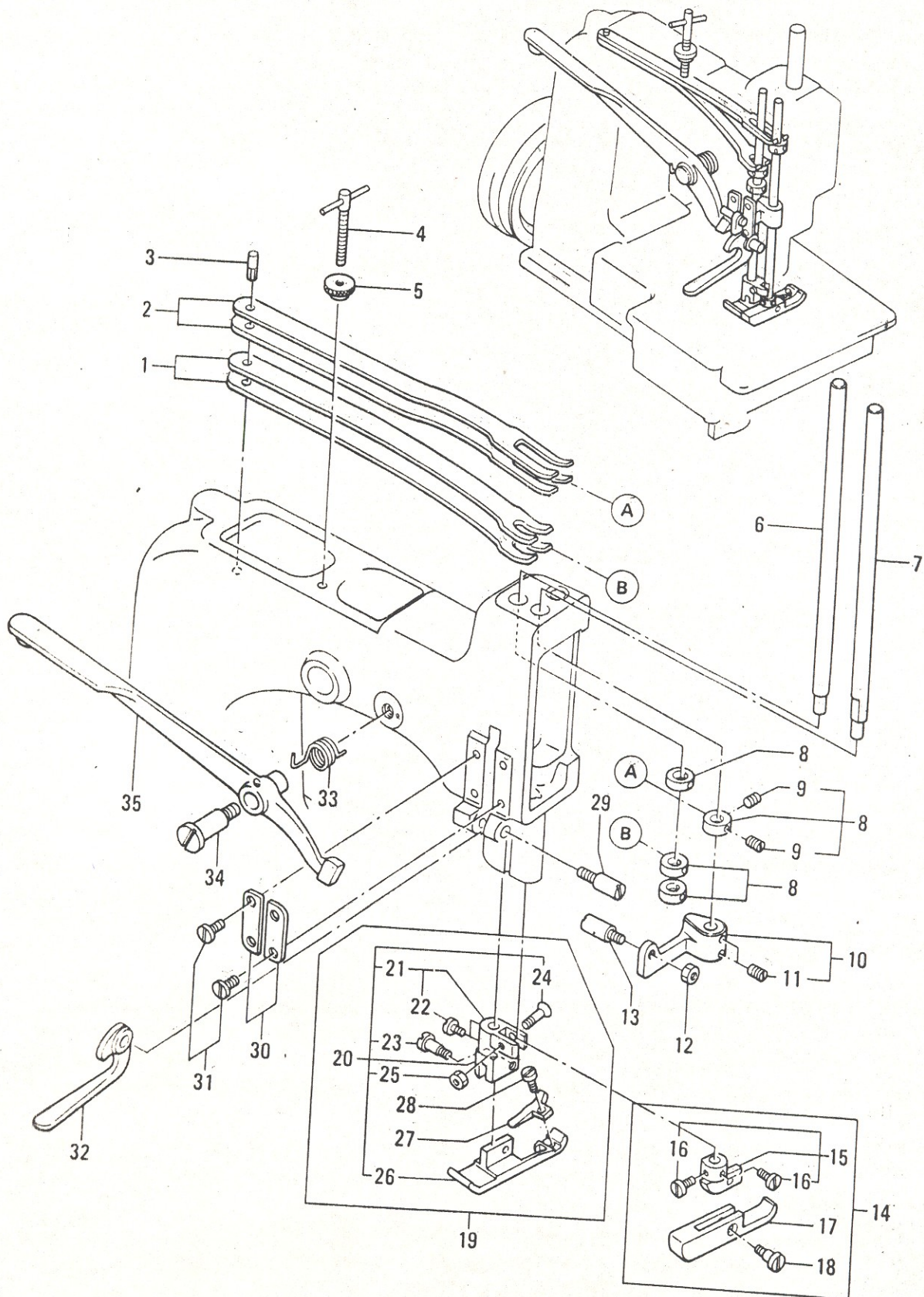
図番 Ref. No.	部品番号 Part No.	部品名称 Description		個数 Q'ty	摘要 Remarks
3-1	29774D	Needle Bar Connection Ass'y	針棒ダキ組	1	(2,4~8,13~21)
2	80659	Needle Bar Connection	針棒ダキ	1	(3)
3	BP108	Screw	ネジ	2	
4	91	Screw	ネジ	1	
5	88	Screw	ネジ	1	
6	22743	Screw	ネジ	1	
7	80655	Thread Guide Pin	糸ガイドピン	1	
8	HS52B	Rolling Thread Guide Axle Ass'y	糸ガイドローラー組	1	(9~12)
9	22560	Screw	ネジ	1	
10	HA1286B	Spring	スプリング	1	
11	12964C	Ball	ボール	1	
12	81086C	Rolling Thread Guide Axle	上糸平秤ローラー軸	1	

03 NEEDLE LEVER, PULLEY AND CRANK SHAFT PARTS クランクシャフト, 針棒関係

図番 Ref. No.	部品番号 Part No.	部品名称 Description	個数 Qty	摘要 Remarks
13	81093	Guide Roller	1	
14	HS100D	Pin Screw	1	
15	80669	Tension Post Ferrule	1	
16	80676	Tension Disc	2	
17	HA58C	Thread Tension Ferrule	1	
18	HA58F	Tension Spring	1	
19	HA58D	Thread Tension Ferrule	1	
20	80046	Tension Post	1	
21	21111	Collar	1	(22)
22	88	Screw for 21111	1	
23	HA54A	Needle Bar Connecting Link	1	
24	51134V	Pin Ass'y	2	(25)
25	755161	Oil Wick	1	
26	22565C	Screw	1	
27	80615	Needle Lever	1	(3,28,29)
28	81	Screw	1	
29	95	Screw	1	
30	80644	Plug Screw	2	
31	80643	Needle Lever Shaft	1	
32	29066L	Needle Lever Bearing Ass'y	1	(33,35~37)
33	80650	Bearing	1	(34)
34	22587	Screw	4	
35	80656	Ball Stud	1	
36	80636A	Guide Fork	1	
37	22729	Screw	1	
38	80630C	Nut, left thread	1	
39	80630	Needle Lever Connecting Rod	1	
40	765011	Felt	1	
41	80630D	Nut, right thread	1	
42	29782H	Main Shaft Ass'y	1	(43, 44)
43	81222	Main Shaft	1	
44	80652	Bearing for Crank Shaft	1	(34)
45	HA66K	Woodruff Key	1	
46	80681	Collar	1	(47)
47	22891	Screw	2	
48	80685	Crank Shaft Bearing Housing	1	(49)
49	80694A	Bearing	1	
50	22539	Plug Screw	1	
51	HA81	Screw	1	
52	HA95	Screw	1	
53	80621A	Pulley Hub	1	
54	80674	Lock Washer	1	
55	80621H	Pulley	1	
56	80	Screw	4	
57	80617	Needle Bar	1	
58	HA56	Clamp Nut	1	
59	B14001	Needle (U01970-400)	1	

04 PRESSER FOOT LIFTER AND PRE
押工揚ゲ、押工金関係

FOOT PARTS

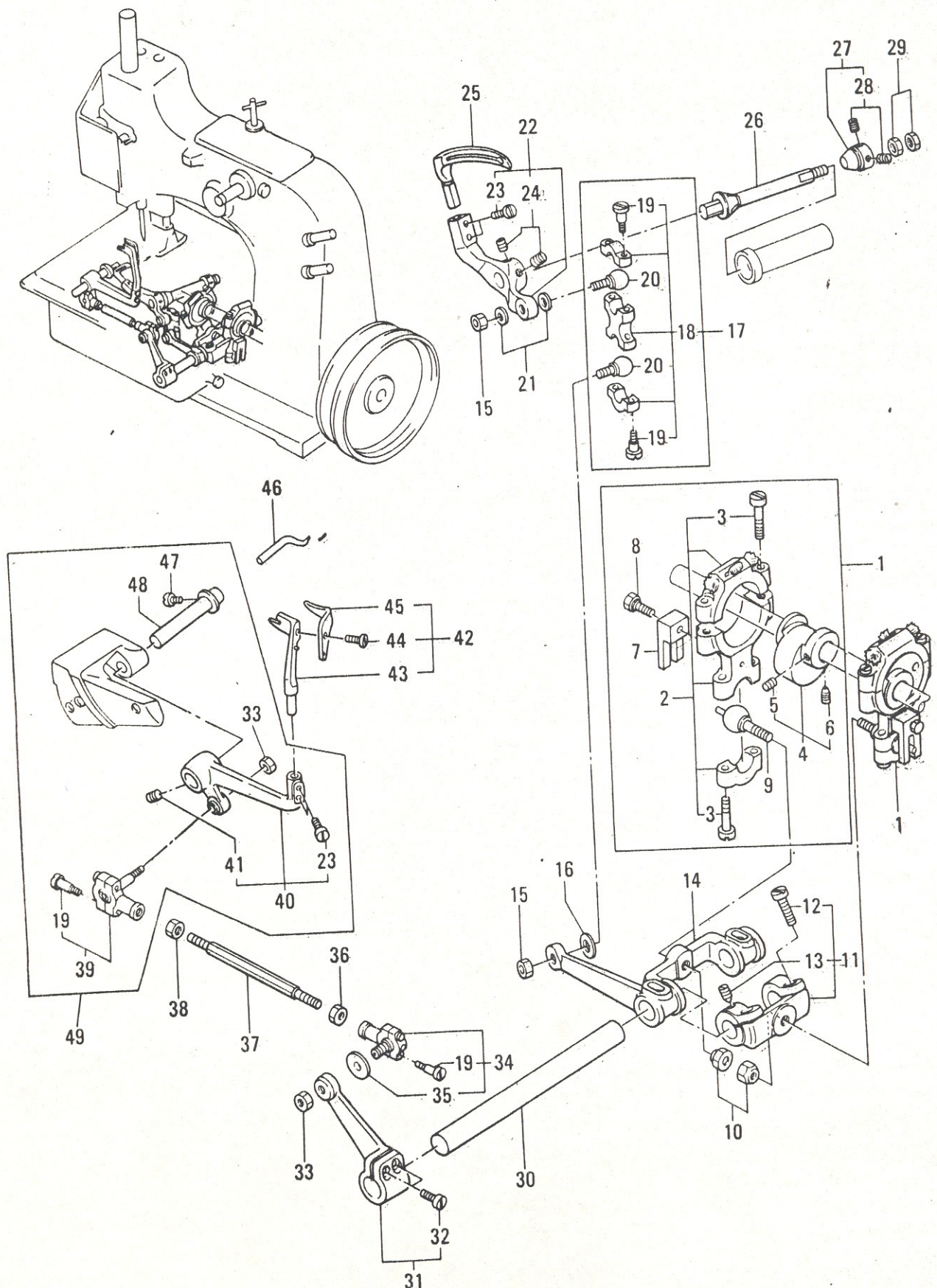


04 PRESSER FOOT LIFTER AND PRESSER FOOT PARTS

押工揚げ, 押工金関係

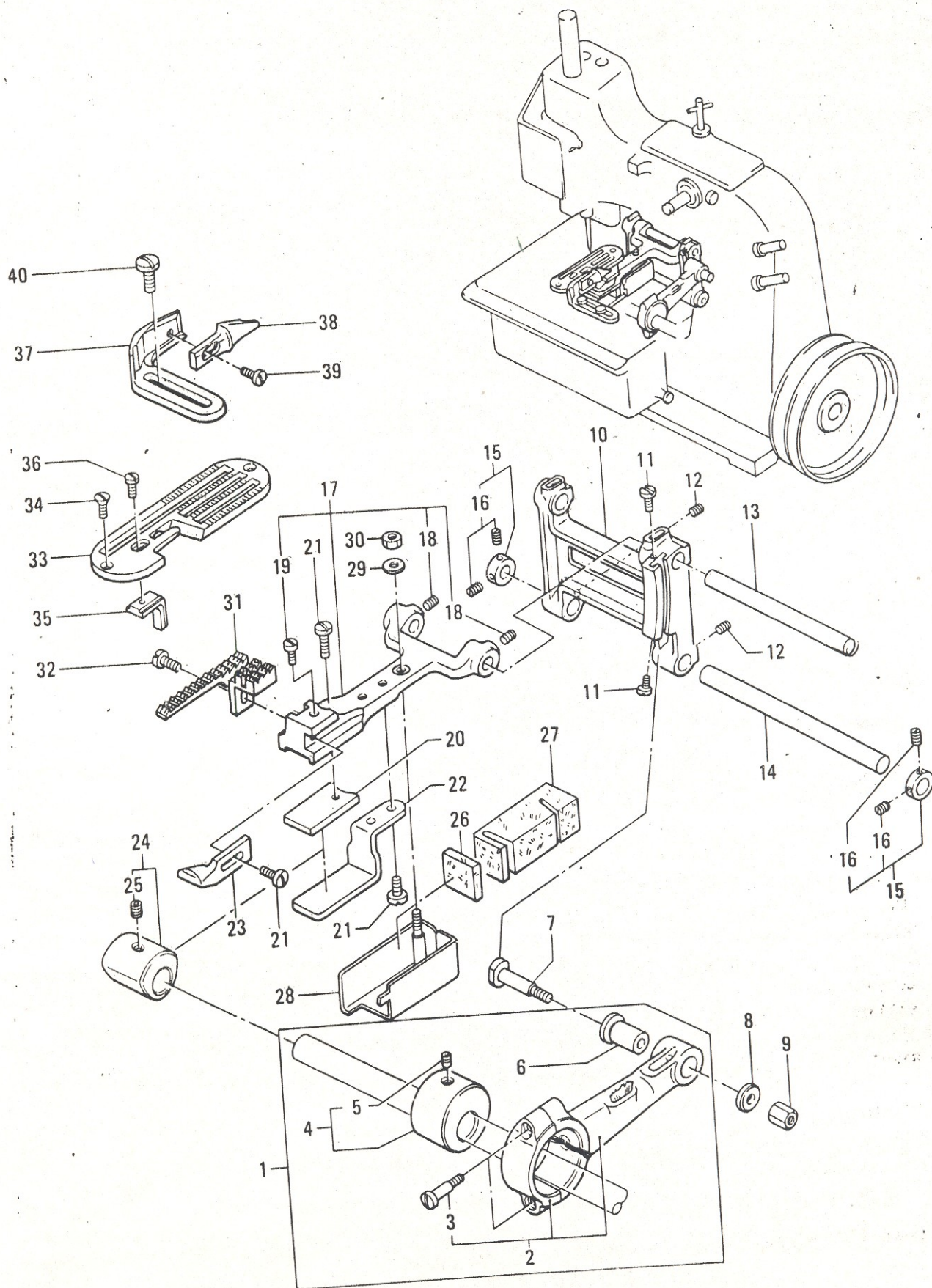
図番 Ref. No.	部品番号 Part No.	部品名称 Description	個数 Q'ty	摘要 Remarks
4-1	80664	Presser Foot Spring, upper	2	
2	80663	Presser Foot Spring, lower	2	
3	80667	Pin	1	
4	64Y	Screw	1	
5	35733B	Lock Nut	1	
6	80661	Presser Bar, right	1	
7	80660	Presser Bar, left	1	
8	482C	Collar	4	(9)
9	98	Screw for 482C	8	
10	80632	Guide for Presser Bar	1	(11)
11	95	Screw for 80632	2	
12	258	Nut	1	
13	22870	Screw	1	
14	81220D	Presser Foot Ass'y, left	1	(15,17,18)
15	80620E	Presser Foot Shank	1	(16)
16	88A	Screw	2	
17	81220C	Presser Foot Bottom	1	
18	HA65L	Screw	1	
19	81220A	Presser Foot Ass'y, right	1	(20,27,28)
20	81220	Presser Foot Ass'y, right	1	(21~26)
21	80220C	Presser Foot Shank	1	(22)
22	88A	Screw	2	
23	HA65E	Screw	1	
24	22525C	Screw	1	
25	907	Nut	1	
26	81220B	Presser Foot Bottom	1	
27	81297	Presser Foot Tongue	1	
28	22513	Screw for 81297	1	
29	11639H	Screw	1	
30	80631	Guide Plate	2	
31	376	Screw for 80631	4	
32	80267	Presser Foot Lifter Hand Lever	1	
33	80649	Spring	1	
34	420	Screw	1	
35	80648	Presser Foot Lifter Lever	1	

05 LOOPER DRIVE PARTS ルーパー関係



05 LOOPER DRIVE PARTS ルーパー関係

図番 Ref. No.	部品番号 Part No.	部品名称 Description	個数 Q'ty	摘要 Remarks
5-1	29442N	Eccentric Ass'y	2	(2,4,7~9)
2	80236	Connecting Bearing	2	(3)
3	88F	Screw for 80236	8	
4	80642	Eccentric	2	(5, 6)
5	22894L	Screw	2	
6	22894C	Screw	2	
7	80636A	Guide Fork	2	
8	22515A	Screw for 80636A	2	
9	80645	Ball Screw	2	
10	80691	Conical Nut	2	
11	80638A	Drive Lever	1	(12, 13)
12	136	Screw	2	
13	96	Screw	1	
14	81237	Drive Lever for Looper	1	
15	9937	Nut	2	
16	15444F	Washer	1	
17	15442K	Ball Joint Ass'y	1	(18,20)
18	15442L	Shell Ass'y	1	(19)
19	97A	Screw for 15442L, 6038K, 6039K	8	
20	11354	Ball Stud	2	
21	69H	Washer	2	
22	81213	Looper Lever	1	(23, 24)
23	73X	Screw for 81208, 81207	2	
24	95	Screw	2	
25	81208	Looper, lower	1	
26	81260	Cone Stud	1	(28)
27	15465F	Cone	2	
28	88	Screw	2	
29	12987A	Nut	1	
30	81240	Looper Drive Lever Rocker Shaft	1	(32)
31	81238	Drive Lever for Spreader	2	
32	22517	Screw	2	
33	18	Nut	1	(19, 35)
34	6039K	Ball Joint Ass'y, right	1	
35	HS36K	Washer	1	
36	18	Nut, right thread	1	
37	81241	Connecting Rod	1	
38	269	Nut, left thread	1	(19)
39	6038K	Ball Joint Ass'y, left	1	(23, 41)
40	81213A	Spreader Lever	2	
41	98	Screw	1	(43~45) 81207WW Interchangeable 共用
42	81207	Spreader Ass'y	1	
43	81208A	Spreader	1	
44	22KH	Screw for 81210	1	
45	81210	Loop Spreader	1	
46	81211	Thread Engaging Member	1	
47	90	Screw for 81211	1	
48	81251A	Spreader Lever Shaft	1	
49	29198	Spreader Rocker Ass'y	1	Page. 8. Ref. No. 37 19, 23, 33, 39~41, 47,48

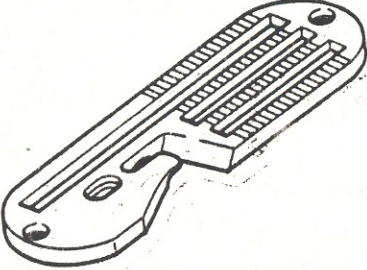
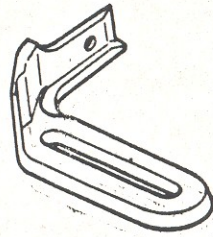
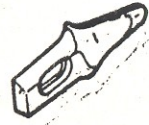
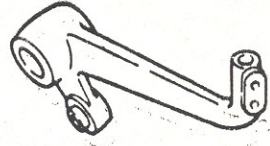


06 FEED LIFT AND FEED DRIVING PARTS

送り関係

図番 Ref. No.	部品番号 Part No.	部品名称 Description	個数 Q'ty	摘要 Remarks
6-1 X	29099V	Feed Drive Eccentric Ass'y	1	(2,4,6)
2 X	80651	Feed Rocker Eccentric Connection	1	(3)
3 X	22587	Screw	2	
4	HS15A	Feed Rocker Eccentric	1	(5)
5	81	Screw	1	
6 X	80654	Bushing	1	
7 X	80696	Stitch Regulating Stud	1	
8	HA20A	Washer	1	
9	HA18A	Nut	1	
10 X	80233	Feed Rocker	1	
11	T26	Screw	2	
12 X	89	Screw	2	
13 X	11	Feed Bar Shaft	1	
14 X	8A	Feed Rocker Shaft	1	
15 X	482C	Collar	2	(16)
16 X	98	Screw for 482C	4	
17 X	80234B	Feed Bar	1	(18, 19)
18 X	88	Screw	2	
19 X	97X	Screw	1	
20 X	HA23	Feed Bar Shoe	1	
21 X	93A	Screw	2	
22 X	HA10	Feed Bar Prong	1	
23 X	80225	Needle Guard	1	
24	HA43X	Feed Lift Eccentric	1	(25)
25	22894D	Screw	1	
26 X	765032	Oil Felt	1	
27 X	HS70A	Oil Felt	1	
28 X	AS70A	Holder for Felt	1	
29 X	20	Washer	1	
30 X	18	Nut	1	
31 X	81205A	Feed Dog	1	
32 X	93	Screw	1	
33 X	81224I	Throat Plate	2	
34 X	22526	Screw	1	
35	81225	Needle Guard	1	
36 X	90	Screw	1	
37 X	81203	Edge Guide	1	
38 X	81203C	Tongue	1	
39	HS24C	Screw	1	
40 X	22514	Screw	1	

07 SPECIAL ORDER PARTS FOR OVERSEAM WIDTH 15mm
 特 注 部 品 (カガリ巾15mm用)

		
1. 81224 IW	2. 81297 WW	3. 81203 W
		
4. 81203 CW	5. 81213 AW	

HR-2A

図番 Ref. No.	部 品 番 号 Part No.	部 品 名 称 Description	個 数 Q'ty	摘 要 Remarks
1	81224IW	Throat Plate	1	
2	81297WW	Presser Foot Tongue	1	
3	81203W	Edge Guide	1	
4	81203CW	Tongue	1	
5	81213AW	Spreader Lever	1	

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HS53B	11	51134V	13	80659	12	81220B	15
HA54A	13	80046	13	80660	15	81220C	15
HA56	13	80220C	15	80661	15	81220D	15
HA58C	13	80225	19	80663	15	81220E	13
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