

PARTS LIST

DLR

com calça explosão 1503 PTF

1502P

1501P-HD-C
1502P-HD
1502PMD
1503P
1503P-HD-TF
1504P
1504PMD
1507P
1507P-SF
1508P
1508PR
1508P-SB
1508P-SF

EDIÇÃO
01

 - ORIGINAL

21 julho

Foreword

Thank you for purchasing a Kansai Special DLR Series sewing machine.

Use this Parts List for easy identification and ordering of DLR-P (with puller) Series repair and replacement parts. You will find listings for reference numbers, parts numbers and quantities required. This Parts List is based on DLR-P as a standard machine.

For parts common to all the DLR-P series machines, see pages 1—14. For parts used only on subclass models (those marked with ★), refer to pages 15—28. Parts described by dotted line or marked with ※ are the same as those used in standard model (DLR-1502P).

By referring to the index on pages 32—35, you can easily find the drawings and names for any parts number.

When ordering, please specify the following.

(Example)	Model	Needle Gauge	Ref. No.	Parts No.	Q'ty
	(DLR-1502P)	(1/8")	(P12, 2)	(14-511)	(1 pc.)

In the drawings, the parts shown in boxes indicate a set of parts.

When ordering, please specify the assembly number.

(Example)	Model	Ref. No	Assembly No.	Q'ty
	(DLR-1502P)	(P6, 56P-B)	(50-571)	(1 set)

A list covering all parts used on DLR series is provided on the last page of this Parts List for easy reference.

This Parts List is valid for machines manufactured after AUGUST 1986. Due to frequent design improvements, components and parts numbers may be changed in the future.

パーツリスト御利用に際して

DLRシリーズ製品お買い上げいただきありがとうございました。

本パーツリストは、DLR-P（プーラー付き）シリーズミシンの修理用部品が容易に御利用いただけるよう編集されております。

DLR-1502Pを基本機種として、機構別に収録され、部品図解頁の下側または反対側の頁に参照番号、部品番号、名称、使用数量の順で記載されております。1頁から13頁を参照して下さい。参照番号に★印の付いた部品は基本機種以外のサブクラス機種になると異なる部品です。14頁から28頁を参照して下さい。サブクラス機種で、部品図解が点線で描かれている部品、または参照番号に※印の付いている部品は基本機種（DLR-1502P）と共通部品です。

また32頁から35頁には部品索引表を記載しておりますので部品番号のみで、その図解、名称などが容易に引き出せます。

本パーツリストに基き部品御注文の際は、部品番号を必ず明示して下さい。

(例)	機種名	針巾	参照番号	部品番号	数量
	(DLR-1502P)	(1/8)	(P12, 2)	(14-511)	(1個)

部品図解中で枠内の部品に関しては、アッセンブリー番号を御使用下さい。

(例)	機種名	参照番号	アッセンブリー番号	数量
	(DLR-1502P)	(P6, 56P-B)	(50-571)	(1組)

パーツブックの最終ページに、DLR-Pシリーズの一覧表を記載しておりますので御利用下さい。

本パーツリストは、1986年8月現在製造中のミシンを基に作成されております。部品番号、部品形状などは設計変更により変わる場合があります。

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2. Thread eyelet components (糸道関係)

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4. Oil lubrication apparatus (給油関係)

5. Needle lever crank (弓・クランク関係)

6. Feed rocker (送り台機構)

7. Looper (ルーパー台機構)

8. Foot lifter mechanism (押え上げ機構)

9. Puller (プーラー機構)

10. Gauge (1) (ゲージ関係(1))

11. Gauge (2) (ゲージ関係(2))

12. 1502PMD・1504PMD

13. 1501P-HD-C

14. 1502P-HD

15. 1503P

16. 1503P-TF

17. 1504P

18. 1507P・P-SF

19. 1508P

20. Components (2) (カバー・ルーパー・クランク関係)

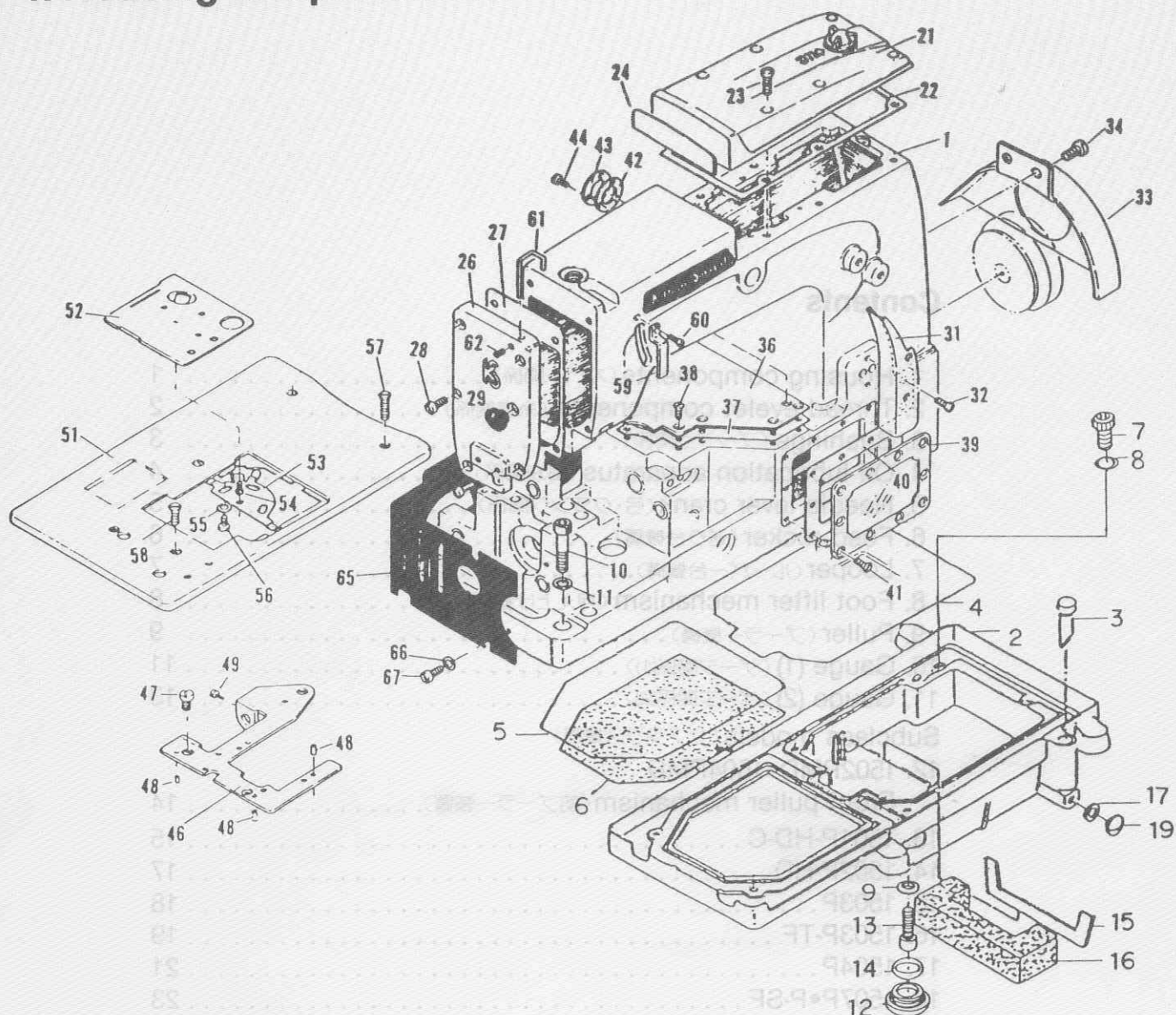
21. Attachment (3) (アタッチメント)

22. Gauge • Double puller (4) (ゲージ・ダブルプーラー関係)

23. Thread stand (糸立て)

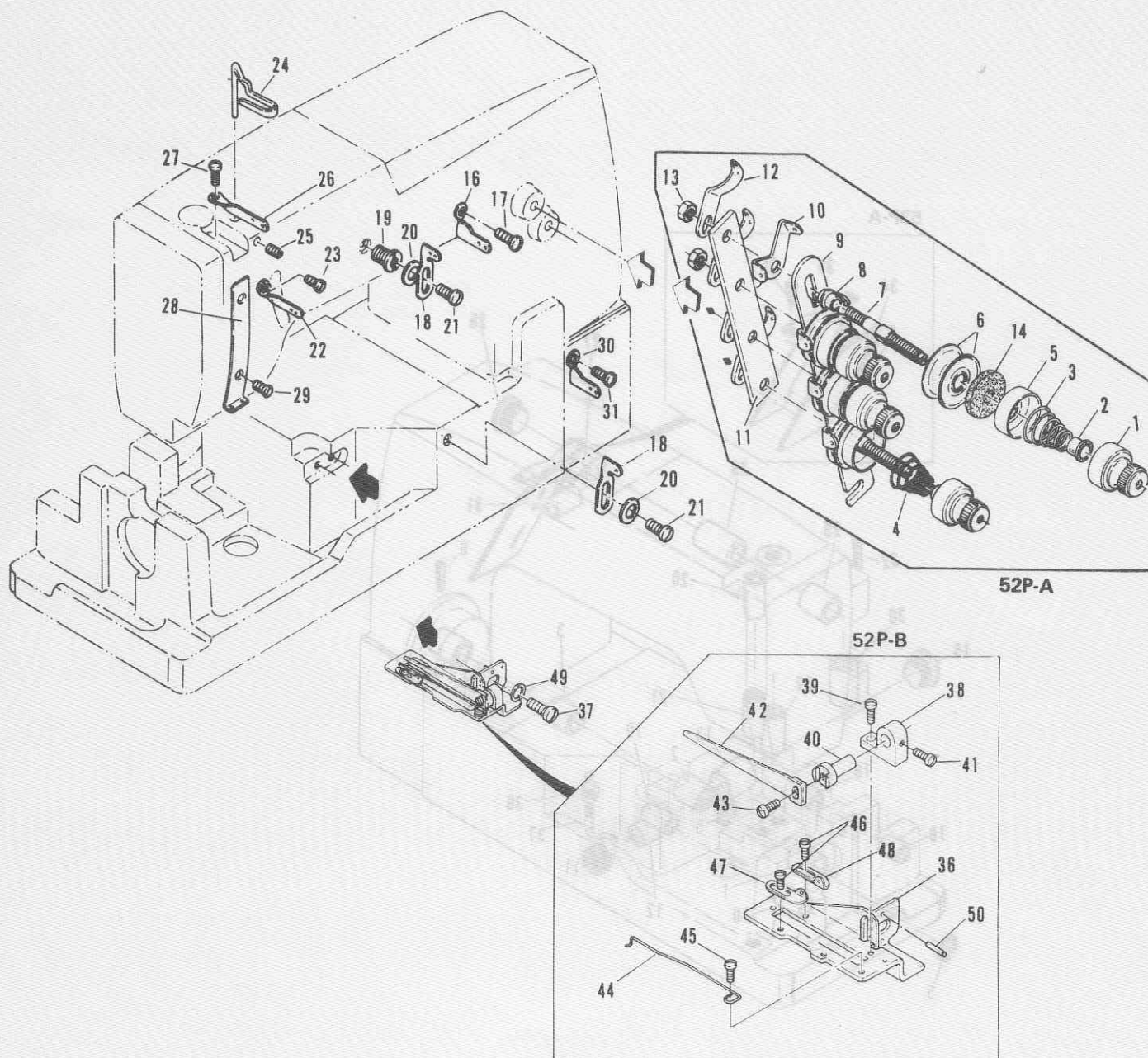
24. Tape stand • Accessories (テープ立て・アクセサリ)

1. Housing components(カバー関係)



Ref. No.	Part No.	Part Name	Q'ty	Ref. No.	Part No.	Part Name	Q'ty
★ 1	22-551	Arm bed standard	1	35	21-513	Oil reservoir top cover	1
2	31-209	Oil resarvair	1	36	23-230	Upper oil cover gasket	1
3	39-216	Oil gauge E	1	37	84-661	Screw	8
4	23-408	Packing (rear)	1	38	21-122	Front oil cover	1
5	23-407	Packing (front)	1	39	23-232	Front oil cover gasket	1
6	31-226	Filter A	1	40	84-664	Screw	10
7	85-628	Screw	1	41	23-263	Oil seal plate gasket	1
8	75-452	Washer	1	42	39-108	Oil seal plate B	1
9	23-911	Washer	4	43	84-362	Screw	3
10	85-630	Screw	1	44			
11	75-452	Washer	1	45			
12	85-756	Screw	4	★46	14-054	Needle plate support CP	1
13	85-627	Screw	4	47	84-761	Screw	3
14	23-195	O-ring	4	48	71-251	Knock pin	4
15	31-228	Filter frame	1	49	84-162	Screw	2
16	31-227	Filter B	1	50			
17	23-304	Drain seal	1	★51	21-551	Upper cloth plate (1/8" — 1/2")	1
18	23-411	Oil filter	1	★52	21-522	Slide plate (1/8" — 1/2")	1
19	87-311	Bush access plug	1	53	21-531	Spring for slide plate	1
20				54	85-611	Screw	1
21	21-208	Crank chamber oil cover F	1	55	75-454	Washer	3
22	23-206	Crank chamber oil cover gasket F	1	56	84-585	Screw	3
23	84-566	Screw	6	57	84-861	Screw	2
24	23-207	Packing	1	58	84-862	Screw	3
25				59	21-711	Needle lever eyelet safety plate	1
26	21-316	Head cover A	1	60	84-363	Screw	1
27	23-216	Head cover gasket	1	61	21-701	Needle bar eyelet safety bar	1
28	84-566	Screw	6	62	84-521	Screw	1
29	23-161	Head cover oil seal cap	1	63			
30				64			
31	21-131	Tension disc cover	1	65	21-306	Side plate cover	1
32	84-361	Screw	2	66	75-467	Washer	3
33	21-402	Pulley cover	1	67	84-574	Screw	3
34	84-571	Screw	2				

2. Thread eyelet components(糸道関係)

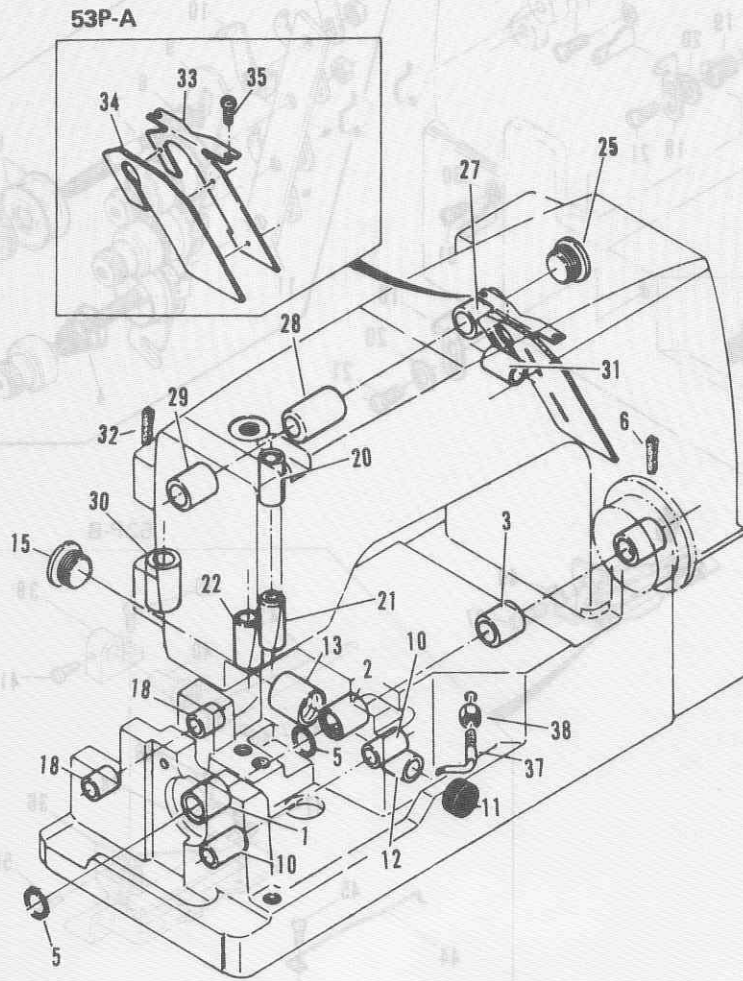


52P-A

52P-B

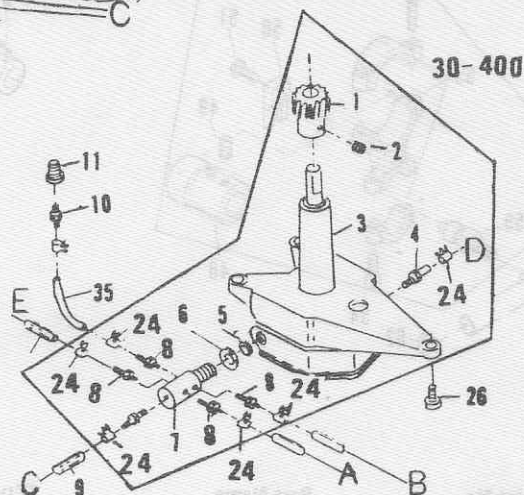
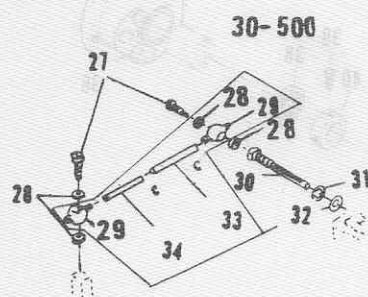
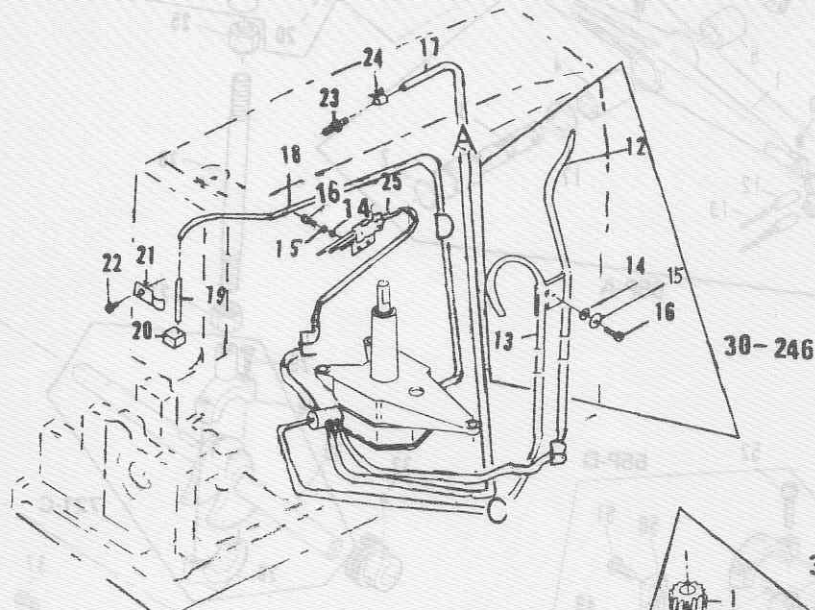
Ref. No.	Part No.	Part Name	Q'ty	Ref. No.	Part No.	Part Name	Q'ty
1	41-101	Tension regulating nut	4	*26	45-131	Needle bar thread eyelet 2.	1
2	41-105	Tension disc ratchet	4	27	84-374	Screw	1
3	41-701	Needle thread tension spring	2	*28	45-151	Needle thread guide A	1
4	41-702	Looper thread tension spring	2	29	84-464	Screw	2
5	41-107	Tension disc cover	4	30	47-101	Looper thread eyelet 2.	1
6	41-111	Tension disc	8	31	84-361	Screw	1
7	41-172	Tension post	4	32			
8	41-131	Tension post collar A	4	33			
9	41-113	Tension post support	1	34			
10	41-115	Tension post thread eyelet	4	35			
*11	41-121	Tension post holder	1	*36	43-331	Cast-off support plate C	1
12	41-117	Lead in thread eyelet	4	37	84-571	Screw	1
13	86-411	Nut	2	38	43-339	Retainer support bracket	1
14	23-324	Felt	4	39	84-162	Screw	1
15				40	43-112	Pin for looper thread retainer	1
*16	47-101	Thread eyelet 2	1	41	84-161	Screw	1
17	84-361	Screw	1	42	43-333	Looper thread retainer	1
*18	45-101	Needle thread eyelet 2	2	43	84-374	Screw	1
19	85-531	Screw	1	44	43-335	Looper thread cast-off pin	1
20	75-456	Washer	2	45	84-163	Screw	1
21	84-571	Screw	2	46	84-163	Screw	2
*22	45-121	Needle lever thread eyelet 2	1	*47	47-131	Looper thread guide eyelet (right)	1
23	84-374	Screw	1	*48	47-132	Looper thread guide eyelet (left)	1
24	45-225	Needle thread take-up wire E	1	49	75-456	Washer	1
25	84-521	Screw	1	50	71-191	Pin	2
*52P-A	40-122	Thread tension ass'y					
*52P-B	40-352	Cast-off support B ass'y					

3. Bushings (ブッシュ関係) (糸車部)



Ref. No.	Part No.	Part Name	Q'ty	Ref. No.	Part No.	Part Name	Q'ty
1	81-714	Main shaft bushing A	1	21	81-184	Needle bar bushing (lower)	1
2	81-720	Main shaft bushing B	1	22	81-153	Presser bar bushing	1
3	81-807	Main shaft bushing C	1	23			
4				24			
5	94-214	O-ring	1	25	23-296	Gasket	1
6	23-383	Felt	1	26			
7				27	81-114	△ Puller drive lever bushing	1
8				28	81-109	Puller drive lever bushing	1
9				29	81-108	Puller drive lever bushing	1
10	81-735	Looper rocker shaft bushing	2	30	81-133	Puller shaft bushing	1
11	23-166	Oil plug	1	31	81-255	Presser foot lifter lever bushing	1
12	81-236	Looper drive lever shaft bushing B	1	32	23-383	Felt	1
13	81-237	Looper drive lever shaft bushing C	1	33	39-122	Oil fence	1
14				34	23-372	Felt	1
15	23-296	Gasket	1	35	84-161	Screw	2
16				36			
17				37	35-111	Feed rocker eccentric link tubing	1
18	81-753	Feed rocker shaft bushing	2	38	86-501	Nut	1
19				39			
20	81-183	Needle bar bushing (upper)	1	40			
53P-A	30-941	Oil fence ass'y					

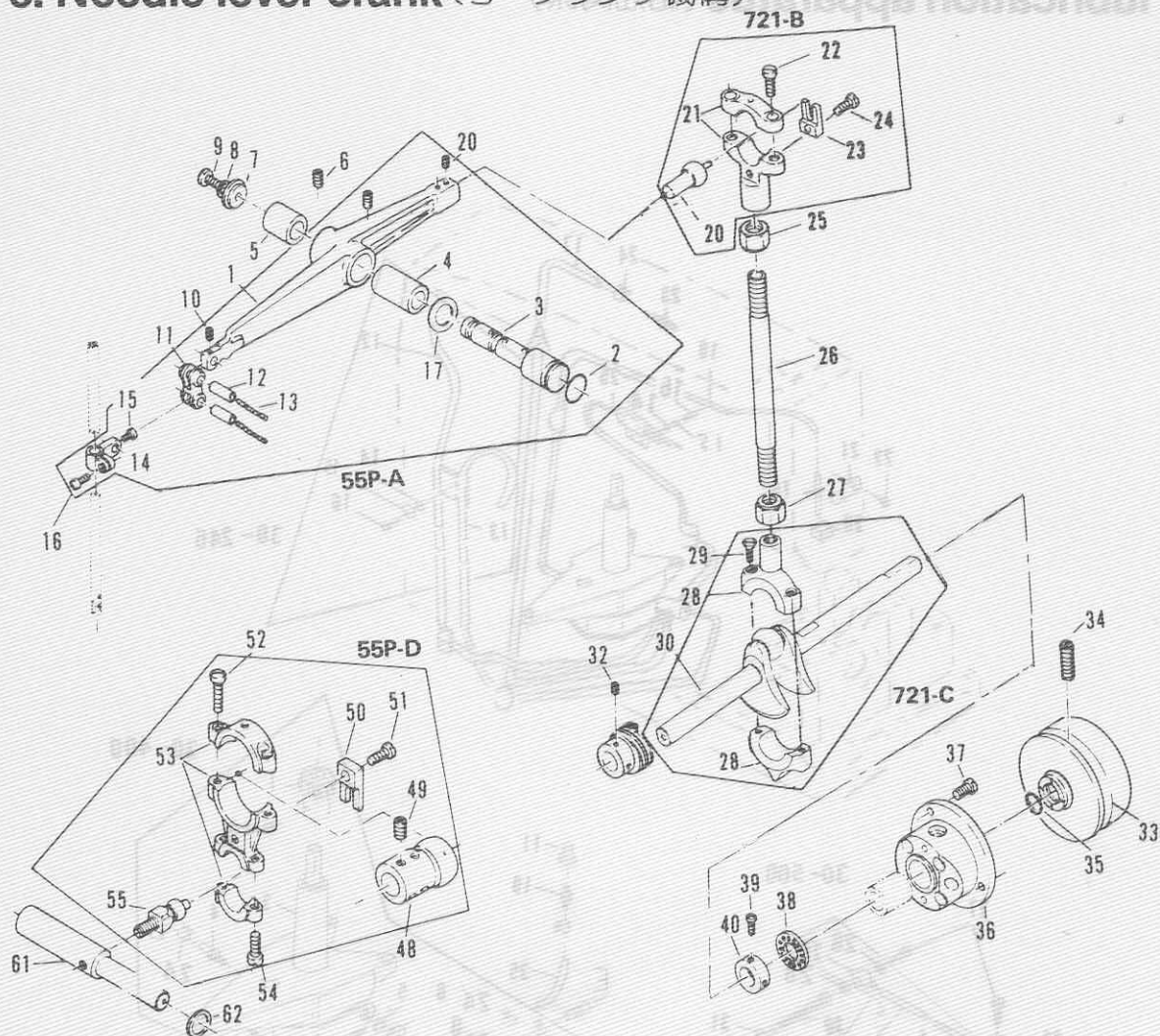
4. Oil lubrication apparatus (給油関係)



Ref. No.	Part No.	Part Name	Q'ty
1	31-409	Worm gear	1
2	84-511	Screw	1
3	30-016	Pump assy	1
4	31-364	Pipe joint (E)	1
5	23-164	Gasket	1
6	75-470	Washer	1
7	31-244	Oil tube joint	1
8	31-314	Pipe joint (C)	5
9	35-316	Tube (2002)	1
10	31-314	Pipe joint (C)	1
11	85-531	Screw	1
12	35-246	Piping	1
13	35-317	Tube (2902)	2
14	23-306	Gasket	3
15	75-468	Washer	3
16	84-363	Screw	3
17	35-308	Tube (4402)	1
18	35-322	Tube (6002)	1
19	35-257	Pipe	1
20	23-363	Felt	1

Ref. No.	Part No.	Part Name	Q'ty
21	39-133	Support	1
22	84-361	Screw	1
23	31-314	Pipe joint	1
24	35-412	Pipe support	1
25	35-122	Pipe	7
26	84-572	Screw	1
27	35-203	Oil guide screw	2
28	23-306	Packing	4
29	35-305	Tube coupling	2
30	35-201	Oil flow screw	1
31	75-470	Washer	1
32	23-300	Packing	1
33	35-207	Vinyl pipe	1
34	23-393	Felt	1
35	35-315	Vinyl pipe (1902)	1

5. Needle lever crank (ミ・クランク機構)



Ref. No.	Part No.	Part Name	Q'ty
1	69-105	Needle lever E.	1
2	23-195	O-ring.	1
3	71-933	Needle lever stud	1
4	81-113	Needle lever bushing	1
5	81-412	Needle lever stud bushing	1
6	85-114	Screw	2
7	39-107	Oil seal screw	1
8	23-260	Gasket	1
9	85-182	Screw	1
10	84-366	Screw	1
11	66-111	Needle bar connecting link	1
12	71-432	Needle bar connection link pin	2
13	23-341	Felt	2
14	73-113	Needle bar connection	1
15	84-366	Screw	1
16	84-571	Screw	1
17	75-331	Washer	1
18			
19	61-711	Needle lever connecting rod	1
20	85-212	Screw	2
21	63-711	Needle lever connecting rod	1
22	84-567	Screw	2
23	69-121	Ball joint for connecting rod	1
24	84-591	Connecting bar	2
25	86-742	Nut	1
26	65-301	Connecting bar	1
27	86-741	Nut	1
*28	63-621	Ball-joint for crank shaft	1
29	84-568	Screw	1
30	71-880	Crank shaft 7EH.	1
31	31-410	Worm gear	1
32	84-718	Screw	2
33	69-208	Pulley	1
55P-A	60-971	Needle lever ass'y	
55P-B	60-340	Needle lever connecting rod ass'y	
55P-C	70-045	Crank shaft ass'y	
55P-D	60-355	Looper driving ball joint ass'y	

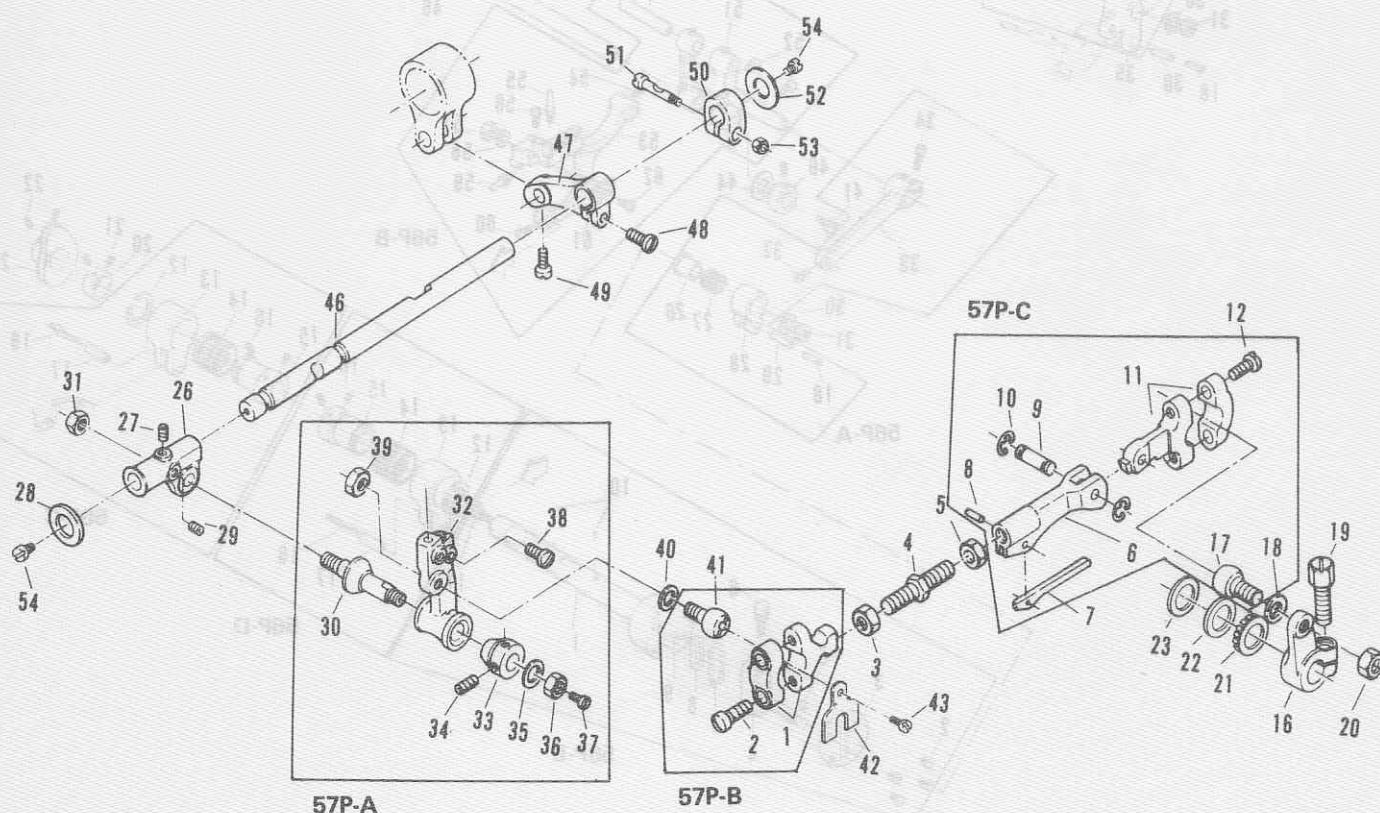
Ref. No.	Part No.	Part Name	Q'ty
34	85-114	Screw	2
35	23-197	O-ring	1
36	69-305	Flange	1
37	84-566	Screw	3
38	92-231	Bearing	1
39	84-563	Screw	2
40	75-112	Crank shaft collar.	1
41			
42			
43			
44			
45			
46			
47			
48	61-512	Looper driving eccentric.	1
49	85-113	Screw	6
50	69-121	Eccentric guide fork	1
51	84-591	Screw	1
52	84-568	Screw	2
53	63-511	Looper driving lever ball joint	1
54	84-567	Screw	2
55	61-713	Looper driving connecting rod	1
56			
57			
58			
59			
60			
61	71-612	Looper driving shaft	1
62	75-332	Washer	1
63			
64			
65			

6. Feed rocker (送り台機構)



Ref. No.	Part No.	Part Name	Q'ty	Ref. No.	Part No.	Part Name	Q'ty
1	71-753	Main shaft 5C	1	34	84-612	Screw	2
2	84-661	Screw	4	35	63-353	Feed rocker link	1
3	51-031	Head plate	1	36			
4	51-013	Feed crank adjusting post	1	37			
5	85-624	Screw	1	38			
6	84-383	Screw	1	39	84-366	Screw	1
7	23-197	O-ring	1	40			
8	51-036	Oil guide	1	41	84-576	Screw	1
9	23-393	Felt	1	42			
10	23-391	Felt	3	43	71-642	Feed rocker shaft small	1
11	84-576	Screw	1	44	75-372	Washer	2
12	93-406	Snap ring	2	45	84-761	Screw	2
13	63-232	Eccentric link	2	46	75-132	Collar	2
14	91-406	Bearing	2	47	84-574	Screw	1
*15	61-312	Eccentric 0.8	2	48			
16	84-715	Screw	4	49			
17	71-431	Connecting link pin	2	50	71-531	Feed rocker arm shaft	1
18	23-341	Felt	2	51	55-041	Single feed rocker arm	1
19				52	84-571	Screw	2
*20	75-114	Collar	1	*53	55-155	Feed rocker B for puller	1
*21	84-511	Screw	2	54	84-712	Screw	1
22	84-711	Screw	2	55	84-177	Screw	1
23	49-133	Looper thread take-up disc C	1	56	84-463	Screw	1
24				57	86-501	Nut	1
25				58	75-381	Washer	1
26	75-243	Feed crank link roller	1	*59	84-176	Screw	1
27	91-271	Bearing	1	60	84-366	Screw	1
28	63-351	Feed rocker link A	1	*61	55-051	Feed dog holder	1
29	71-432	Feed rocker link pin	1	62	84-588	Screw	1
30	75-453	Washer	1	63			
31	86-412	Nut	1	64			
32	84-366	Screw	1	65			
33	67-311	Feed rocker arm	1				
56P-A	60-711	Feed rocker ass'y					
56P-B	50-571	Feed rocker arm ass'y					
56P-C	60-780	Looper avoid eccentric link ass'y					
56P-D	60-080	Feed eccentric link ass'y					
56P-E	70-153	Main shaft 5C ass'y					
57P-F	60-712	Feed rocker arm ass'y (PMD Type)					

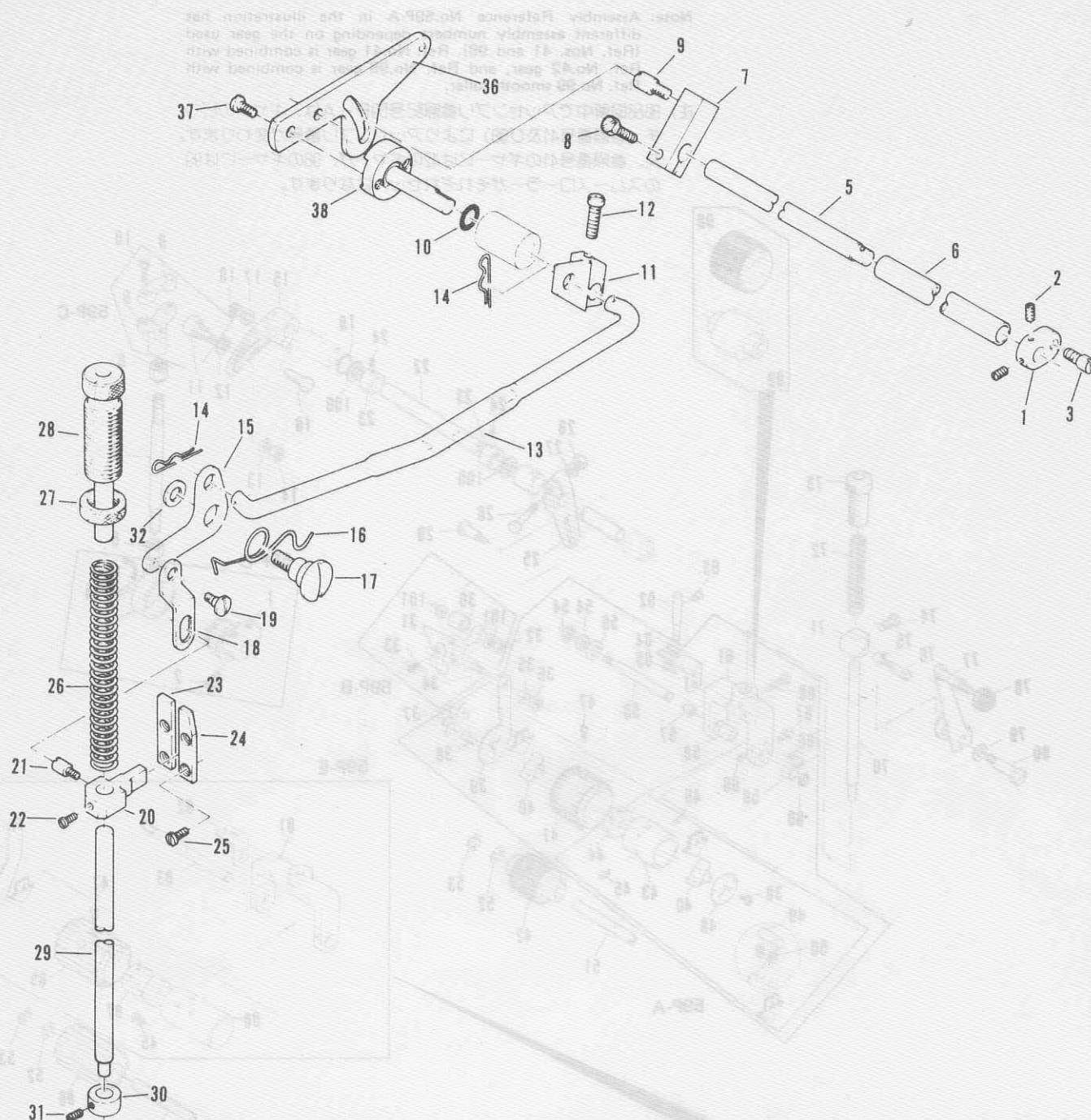
7. Looper (ルーパー台機構)



Ref. No.	Part No.	Part Name	Q'ty
1	63-812	Looper rocker connecting ball joint (left)	1
2	84-572	Screw	2
3	86-412	Nut	1
* 4	65-401	Connecting bar	1
5	86-411	Nut	1
* 6	65-902	Looper driving connecting link	1
* 7	79-601	Plate spring	1
* 8	71-201	Pin	1
* 9	71-322	Shaft	1
* 10	93-201	Snap ring	2
* 11	63-821	Looper driving connecting ball joint	1
12	84-572	Screw	2
13			
14			
15			
* 16	67-222	Looper driving lever C	1
17	61-823	Looper driving connecting rod	1
18	75-401	Washer	1
19	85-211	Screw	1
20	86-411	Nut	1
21	92-231	Bearing	1
22	75-327	Washer	1
23	75-326	Washer	1
24			
25			
* 26	19-305	Looper rocker E	1
27	84-766	Screw	1
28	75-371	Washer	1
* 57P-A	10-914	Looper holder ass'y (1502)	
57P-B	60-382	Looper connecting link ass'y	
57P-C	60-373	Looper driving connecting link ass'y	

Ref. No.	Part No.	Part Name	Q'ty
29	84-767	Screw	1
30	71-901	Looper rocker tapered pin	1
31	86-502	Nut	1
* 32	19-314	Looper holder	1
33	81-401	Tapered pin bushing	1
34	84-521	Screw	2
35	75-452	Washer	1
36	86-501	Nut	1
37	84-361	Screw	1
38	84-616	Screw	2
39	86-411	Nut	1
40	75-453	Washer	1
* 41	61-823	Looper driving connecting rod	2
42	35-199	Oil guide	1
43	84-164	Screw	1
44			
45			
46	71-561	Looper holder shaft	1
47	67-132	Looper avoid lever	1
48	84-612	Screw	1
49	84-366	Screw	1
50	75-139	Looper holder shaft collar	1
51	71-454	Pin	1
52	75-371	Washer	1
53	86-314	Nut	1
54	84-761	Screw	2
55			

8. Foot lifter components (押え上げ機構)



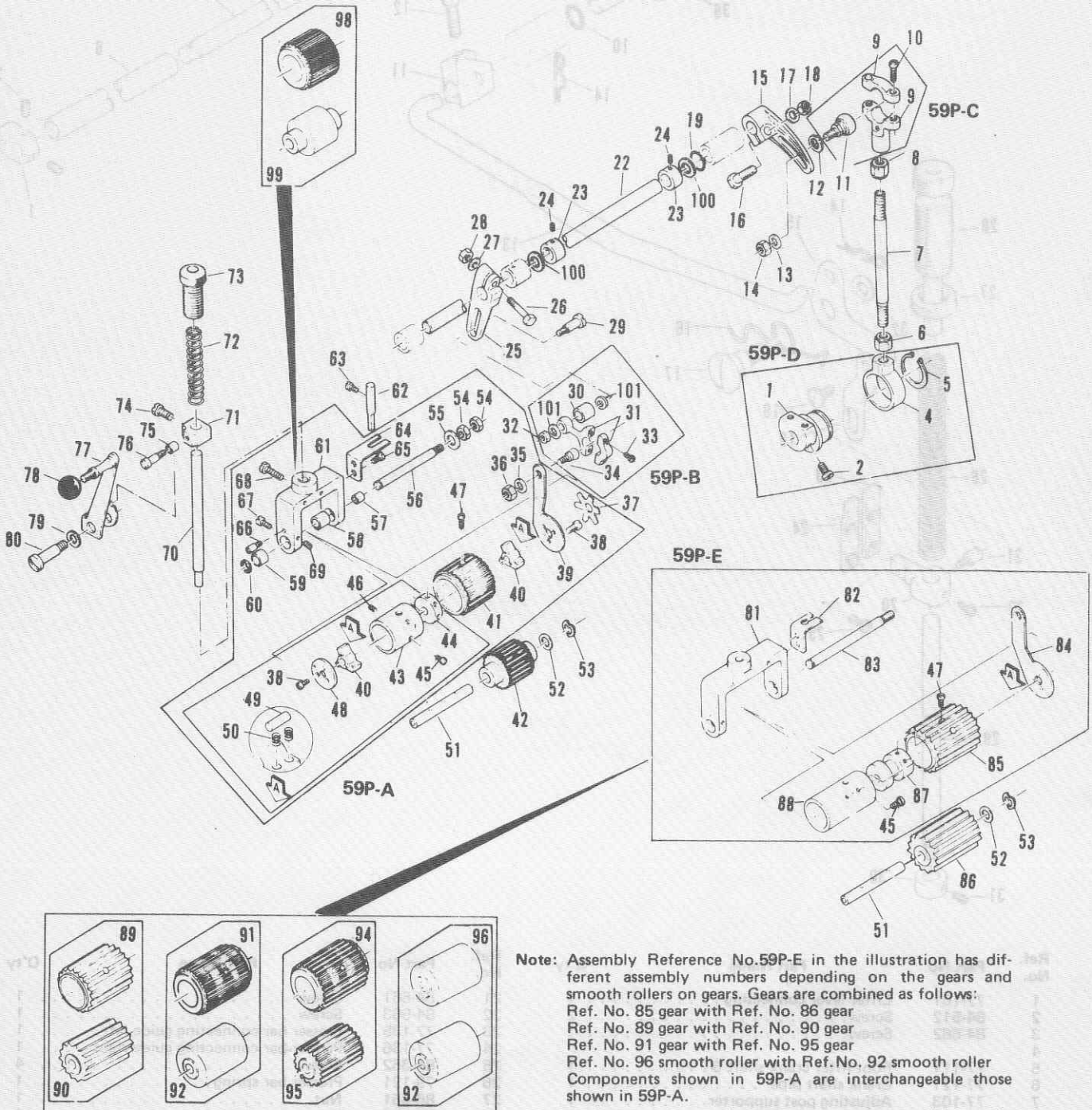
Ref. No.	Part No.	Part Name	Q'ty
1	77-101	Lifter lever connecting	1
2	84-512	Screw	2
3	84-562	Screw	1
4			
5	77-111	Foot lifter crank shaft B	1
6	77-121	Crank shaft pipe	1
7	77-103	Adjusting post supporter	1
8	84-812	Screw	1
9	84-561	Screw	1
10	23-189	O-ring	1
11	77-107	Presser foot lifter connecting plate	1
12	84-764	Screw	1
13	77-116	Lifter lever connecting bar	1
14	93-611	Snap pin A	2
15	77-109	Lifter lever spring supporter	1
16	79-222	Lifter lever spring	1
17	84-781	Screw	1
18	77-131	Lifter lever link	1
19	84-581	Screw	1
20	77-133	Presser bar guide	1

Ref. No.	Part No.	Part Name	Q'ty
21	84-561	Screw	1
22	84-563	Screw	1
23	77-135	Presser bar connecting guide left	1
24	77-136	Presser bar connecting guide right	1
25	84-362	Screw	4
26	79-121	Presser bar spring	1
27	86-851	Nut	1
28	85-761	Presser bar screw	1
29	71-542	Presser bar (small)	1
30	75-154	Collar	1
31	84-511	Screw	1
32	75-453	Washer	1
33			
34			
35			
36	77-143	Presser foot lifter lever	1
37	84-566	Screw	2
38	77-114	Presser foot lifter lever post	1
39			
40			

9. Puller (プーラー機構)

Note: Assembly Reference No.59P-A in the illustration has different assembly numbers depending on the gear used (Ref. Nos. 41 and 98). Ref. No.41 gear is combined with Ref. No.42 gear, and Ref. No.98 gear is combined with Ref. No.99 smooth roller.

注) 部品図解中でアッセンブリ参照記号59P-Aは、ギヤーのピッチ (参照番号41及び98) によりアッセンブリ番号が変わります。又、参照番号41のギヤーには42のギヤーが、98のギヤーには99のスムーズローラーがそれぞれセットになります。



Note: Assembly Reference No.59P-E in the illustration has different assembly numbers depending on the gears and smooth rollers on gears. Gears are combined as follows:
 Ref. No. 85 gear with Ref. No. 86 gear
 Ref. No. 89 gear with Ref. No. 90 gear
 Ref. No. 91 gear with Ref. No. 95 gear
 Ref. No. 96 smooth roller with Ref. No. 92 smooth roller
 Components shown in 59P-A are interchangeable those shown in 59P-A.

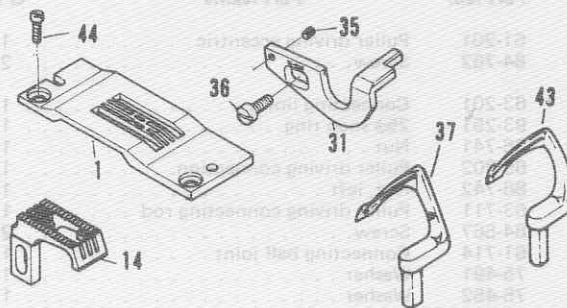
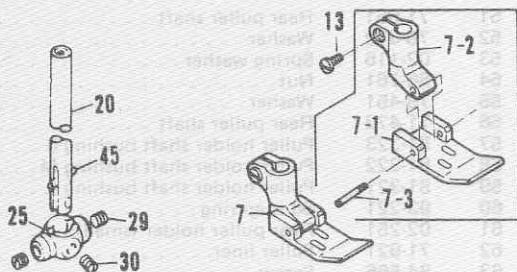
注) 部品図解中でアッセンブリ参照記号59P-Eは、ギヤー及びスムーズによりアッセンブリ番号が変わります。参照番号85のギヤーには86のギヤーが、89のギヤーには90のギヤーが、94のギヤーには95のギヤー及び96のスムーズローラーには92のスムーズローラーがそれぞれセットになります。又、59P-E枠内のパーツ以外は参照記号59P-Aの部品と同じものを使用します。

Ref. No.	Part No.	Part Name	Q'ty
1	61-201	Puller driving eccentric	1
2	84-762	Screw	2
3			
4	63-201	Connecting link	1
5	93-251	25φ snap ring	1
6	86-741	Nut	1
7	65-302	Puller driving connection	1
8	86-742	Nut, left	1
9	63-711	Puller driving connecting rod	1
10	84-567	Screw	2
11	61-714	Connecting ball joint	1
12	75-491	Washer	1
13	75-452	Washer	1
14	86-501	Nut	1
15	67-172	Puller driving lever, rear	1
16	55-061	Screw	1
17	75-452	Washer	1
18	86-501	Nut	1
19	23-200	O-ring	1
20			
21			
22	71-691	Puller driving shaft A	1
23	75-113	Crank shaft collar	2
24	84-718	Screw	4
25	67-171	Puller driving lever, front	1
26	85-191	Screw	1
27	75-381	Washer	1
28	88-541	Nut	1
29	84-584	Screw	1
30	75-247	Connecting link roller B	1
31	63-810	Puller connecting rod	1
32	86-312	Nut	1
33	84-572	Screw	2
34	61-810	Connecting ball joint	1
35	75-381	Washer	1
36	86-411	Nut	1
37	79-551	Puller plate spring	1
38	84-162	Screw	6
39	02-263	Rear puller connecting plate	1
40	02-101	Clutch A	2
41	02-279	Rear puller gear 18 teeth (Nylon)	1
42	02-299	Rear puller gear 15 teeth (Nylon)	1
43	02-256	Rear puller pipe	1
44	02-261	Rear puller thrust collar	1
45	84-463	Screw	3
46	84-719	Screw	1
47	84-462	Screw	2
48	02-117	Rear puller pipe cover	1
49	71-466	Check clutch roller	6
50	79-191	Check clutch spring	12
59P-A	00-018	Rear puller gear small 18 teeth ass'y	
	00-060	Rear puller gear small 60 teeth ass'y	
59P-B	60-343	Puller connecting rod ass'y	
59P-C	60-374	Driving ball joint ass'y	
59P-D	60-150	Driving eccentric ass'y	
59P-E	00-215	Rear puller gear large 15 teeth ass'y	
	00-218	Rear puller gear large 18 teeth ass'y	
	00-228	Rear puller gear large 28 teeth ass'y	
	00-260	Rear puller gear large 60 teeth ass'y	
	00-200	Rear puller large (smooth) ass'y	

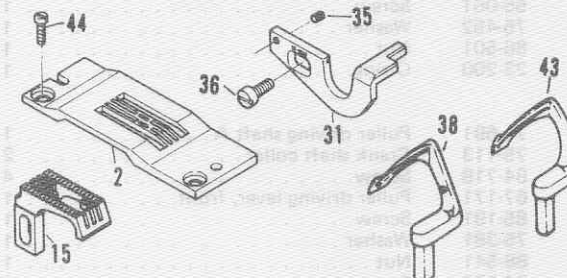
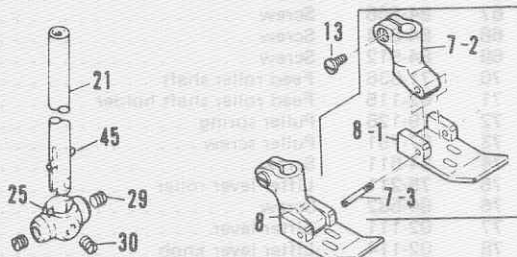
Ref. No.	Part No.	Part Name	Q'ty
51	71-651	Rear puller shaft	1
52	75-372	Washer	1
53	02-116	Spring washer	1
54	86-761	Nut	2
55	75-451	Washer	1
56	71-472	Rear puller shaft	1
57	81-323	Puller holder shaft bushing S	1
58	81-322	Puller holder shaft bushing M	1
59	81-321	Puller holder shaft bushing L	1
60	93-221	φ8 snap ring	1
61	02-251	Rear puller holder (small)	1
62	71-921	Puller liner	1
63	84-566	Screw	1
64	02-266	Rear puller stopper	1
65	84-563	Screw	2
66	84-562	Screw	1
67	84-566	Screw	1
68	84-814	Screw	1
69	84-512	Screw	1
70	71-636	Feed roller shaft	1
71	02-115	Feed roller shaft holder	1
72	79-126	Puller spring	1
73	87-751	Puller screw	1
74	84-611	Screw	1
75	75-211	Lifter lever roller	1
76	84-582	Screw	1
77	02-111	Lifter lever	1
78	02-114	Lifter lever knob	1
79	02-112	Lifter spring	1
80	85-671	Screw	1
81	02-151	Rear puller holder (large)	1
82	02-166	Rear puller stopper	1
83	71-471	Rear puller shaft	1
84	02-163	Rear puller connecting plate	1
85	02-176	Rear puller gear 18 teeth (Nylon)	1
86	02-206	Rear puller gear 15 teeth (Nylon)	1
87	02-161	Rear puller thrust collar	1
88	02-156	Rear puller pipe	1
89	02-170	Rear puller gear 15 teeth (Steel)	1
90	02-190	Rear puller gear 12 teeth (Steel)	1
91	02-175	Rear puller gear 60 teeth (Steel)	1
92	02-197	Rear puller (Smooth)	1
93			
94	02-178	Rear puller gear 28 teeth (Nylon)	1
95	02-208	Rear puller gear 23 teeth (Nylon)	1
96	02-181	Rear puller (Smooth)	1
97			
98	02-281	Rear puller gear 60 teeth (Steel)	1
99	02-301	Rear puller (Smooth)	1
100	75-332	Washer	2
101	75-453	Washer	2

10. Gauge parts (1) (ゲージ関係(1))

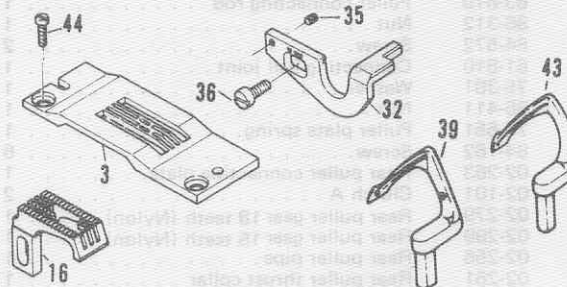
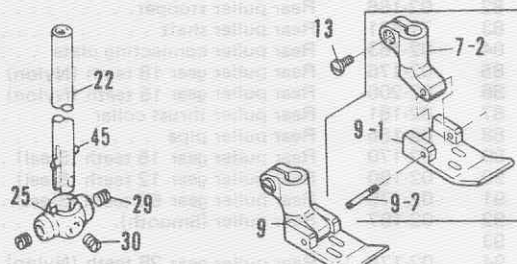
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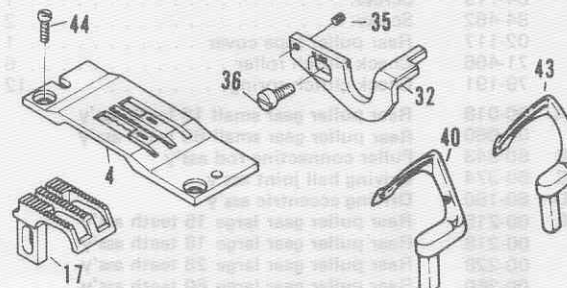
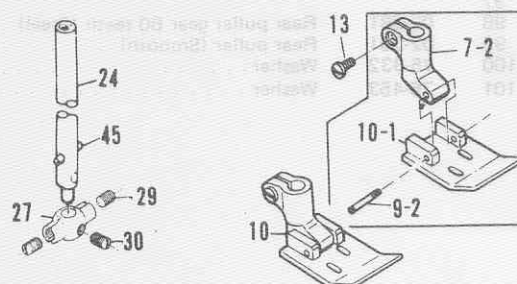
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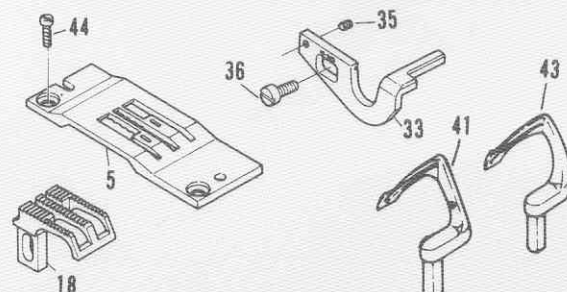
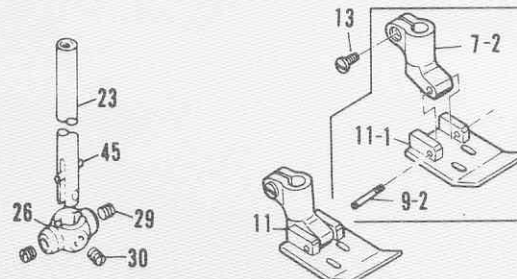
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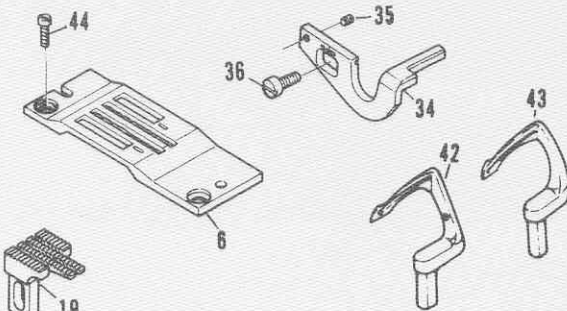
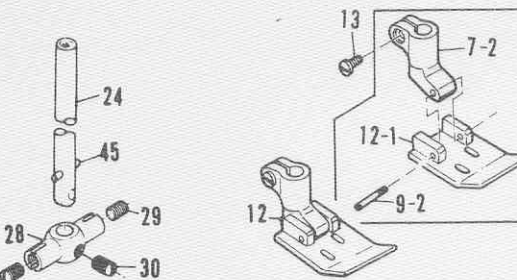
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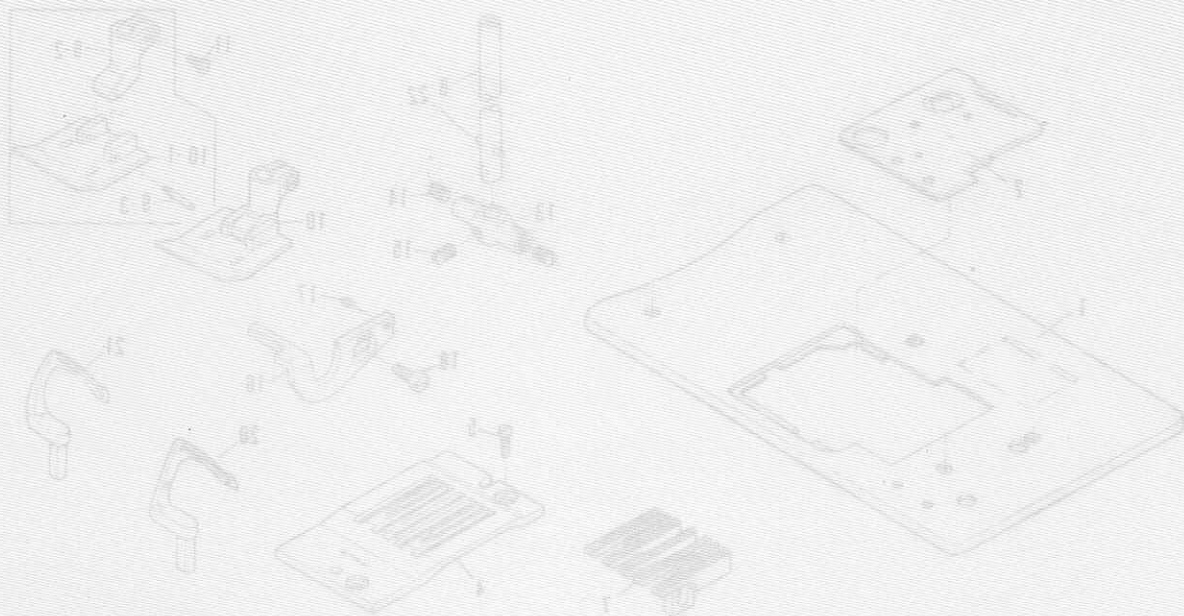
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1/2"



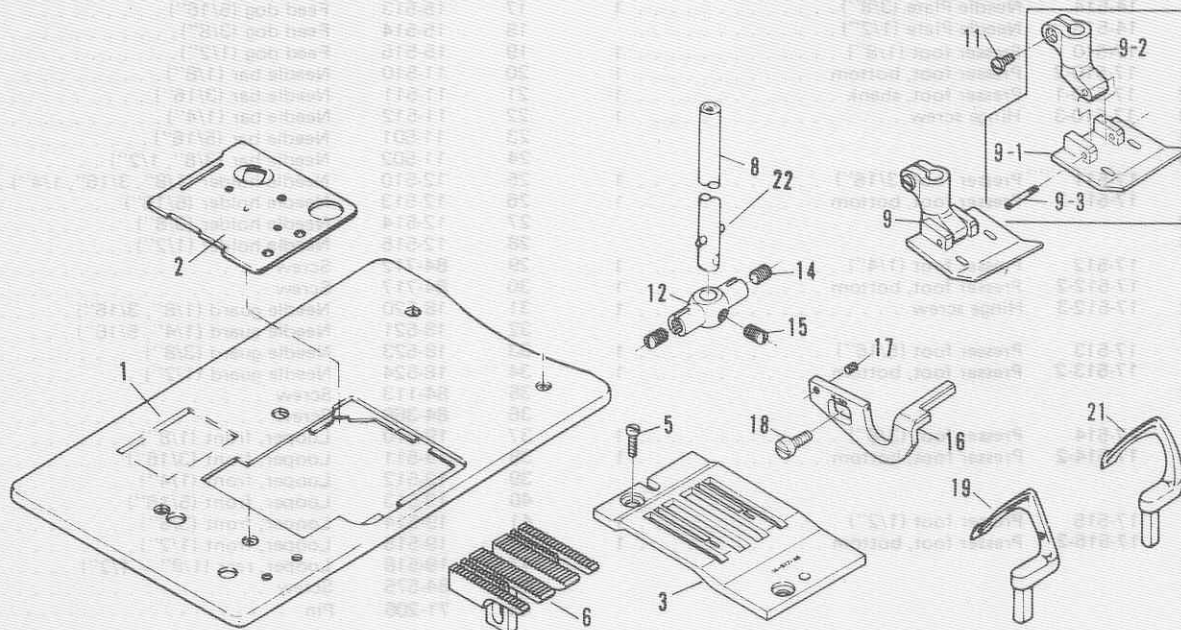
Ref. No.	Part No.	Part Name	Q'ty	Ref. No.	Part No.	Part Name	Q'ty
1	14-510	Needle Plate (1/8")	1	13	84-382	Screw	1
2	14-511	Needle Plate (3/16")	1	14	15-510	Feed dog (1/8")	1
3	14-512	Needle Plate (1/4")	1	15	15-511	Feed dog (3/16")	1
4	14-513	Needle Plate (5/16")	1	16	15-512	Feed dog (1/4")	1
5	14-514	Needle Plate (3/8")	1	17	15-513	Feed dog (5/16")	1
6	14-515	Needle Plate (1/2")	1	18	15-514	Feed dog (3/8")	1
7	17-510	Presser foot (1/8")	1	19	15-515	Feed dog (1/2")	1
7-1	17-510-2	Presser foot, bottom	1	20	11-510	Needle bar (1/8")	1
7-2	17-510-1	Presser foot, shank	1	21	11-511	Needle bar (3/16")	1
7-3	17-510-3	Hinge screw	1	22	11-512	Needle bar (1/4")	1
7-4				23	11-501	Needle bar (5/16")	1
7-5				24	11-502	Needle bar (3/8", 1/2")	1
8	17-511	Presser foot (3/16")	1	25	12-510	Needle holder (1/8", 3/16", 1/4")	1
8-1	17-511-2	Presser foot, bottom	1	26	12-513	Needle holder (5/16")	1
8-2				27	12-514	Needle holder (3/8")	1
8-3				28	12-515	Needle holder (1/2")	1
9	17-512	Presser foot (1/4")	1	29	84-712	Screw	2
9-1	17-512-2	Presser foot, bottom	1	30	84-717	Screw	1
9-2	17-512-3	Hinge screw	1	31	18-520	Needle guard (1/8", 3/16")	1
9-3				32	18-521	Needle guard (1/4", 5/16")	1
10	17-513	Presser foot (5/16")	1	33	18-523	Needle guard (3/8")	1
10-1	17-513-2	Presser foot, bottom	1	34	18-524	Needle guard (1/2")	1
10-2				35	84-113	Screw	1
10-3				36	84-368	Screw	1
11	17-514	Presser foot (3/8")	1	37	19-510	Looper, front (1/8")	1
11-1	17-514-2	Presser foot, bottom	1	38	19-511	Looper, front (3/16")	1
11-2				39	19-512	Looper, front (1/4")	1
11-3				40	19-513	Looper, front (5/16")	1
12	17-515	Presser foot (1/2")	1	41	19-514	Looper, front (3/8")	1
12-1	17-515-2	Presser foot, bottom	1	42	19-515	Looper, front (1/2")	1
12-2				43	19-518	Looper, rear (1/8" - 1/2")	1
12-3				44	84-575	Screw	2
				45	71-206	Pin	1



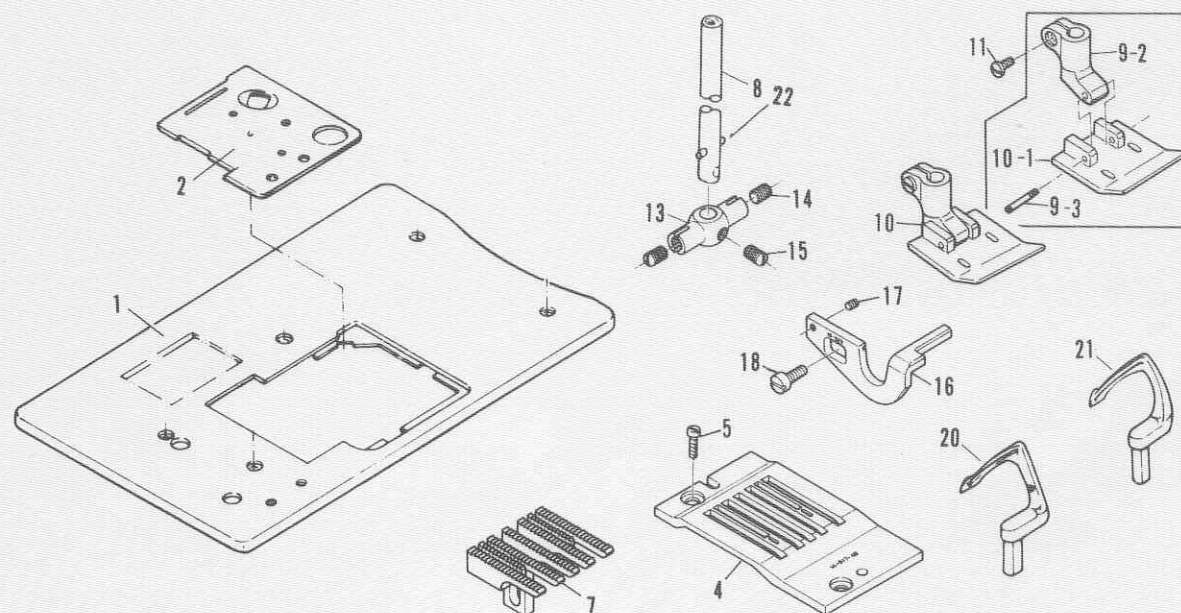
Ref. No.	Part No.	Part Name	Q'ty	Ref. No.	Part No.	Part Name	Q'ty
1	17-510	Presser foot (1/8")	1	13	84-382	Screw	1
2	17-511	Presser foot (3/16")	1	14	15-510	Feed dog (1/8")	1
3	17-512	Presser foot (1/4")	1	15	15-511	Feed dog (3/16")	1
4	17-513	Presser foot (5/16")	1	16	15-512	Feed dog (1/4")	1
5	17-514	Presser foot (3/8")	1	17	15-513	Feed dog (5/16")	1
6	17-515	Presser foot (1/2")	1	18	15-514	Feed dog (3/8")	1
7	17-510-2	Presser foot, bottom	1	19	15-515	Feed dog (1/2")	1
8	17-510-1	Presser foot, shank	1	20	11-510	Needle bar (1/8")	1
9	17-510-3	Hinge screw	1	21	11-511	Needle bar (3/16")	1
10	17-511	Presser foot (3/16")	1	22	11-512	Needle bar (1/4")	1
11	17-511-2	Presser foot, bottom	1	23	11-501	Needle bar (5/16")	1
12	17-512	Presser foot (1/4")	1	24	11-502	Needle bar (3/8", 1/2")	1
13	17-512-2	Presser foot, bottom	1	25	12-510	Needle holder (1/8", 3/16", 1/4")	1
14	17-512-3	Hinge screw	1	26	12-513	Needle holder (5/16")	1
15	17-513	Presser foot (5/16")	1	27	12-514	Needle holder (3/8")	1
16	17-513-2	Presser foot, bottom	1	28	12-515	Needle holder (1/2")	1
17	17-514	Presser foot (3/8")	1	29	84-712	Screw	2
18	17-514-2	Presser foot, bottom	1	30	84-717	Screw	1
19	17-515	Presser foot (1/2")	1	31	18-520	Needle guard (1/8", 3/16")	1
20	17-515-2	Presser foot, bottom	1	32	18-521	Needle guard (1/4", 5/16")	1
21				33	18-523	Needle guard (3/8")	1
22				34	18-524	Needle guard (1/2")	1
23				35	84-113	Screw	1
24				36	84-368	Screw	1
25				37	19-510	Looper, front (1/8")	1
26				38	19-511	Looper, front (3/16")	1
27				39	19-512	Looper, front (1/4")	1
28				40	19-513	Looper, front (5/16")	1
29				41	19-514	Looper, front (3/8")	1
30				42	19-515	Looper, front (1/2")	1
31				43	19-518	Looper, rear (1/8" - 1/2")	1
32				44	84-575	Screw	2
33				45	71-206	Pin	1

11. Gauge (2) (ゲージ関係(2))

5/8"



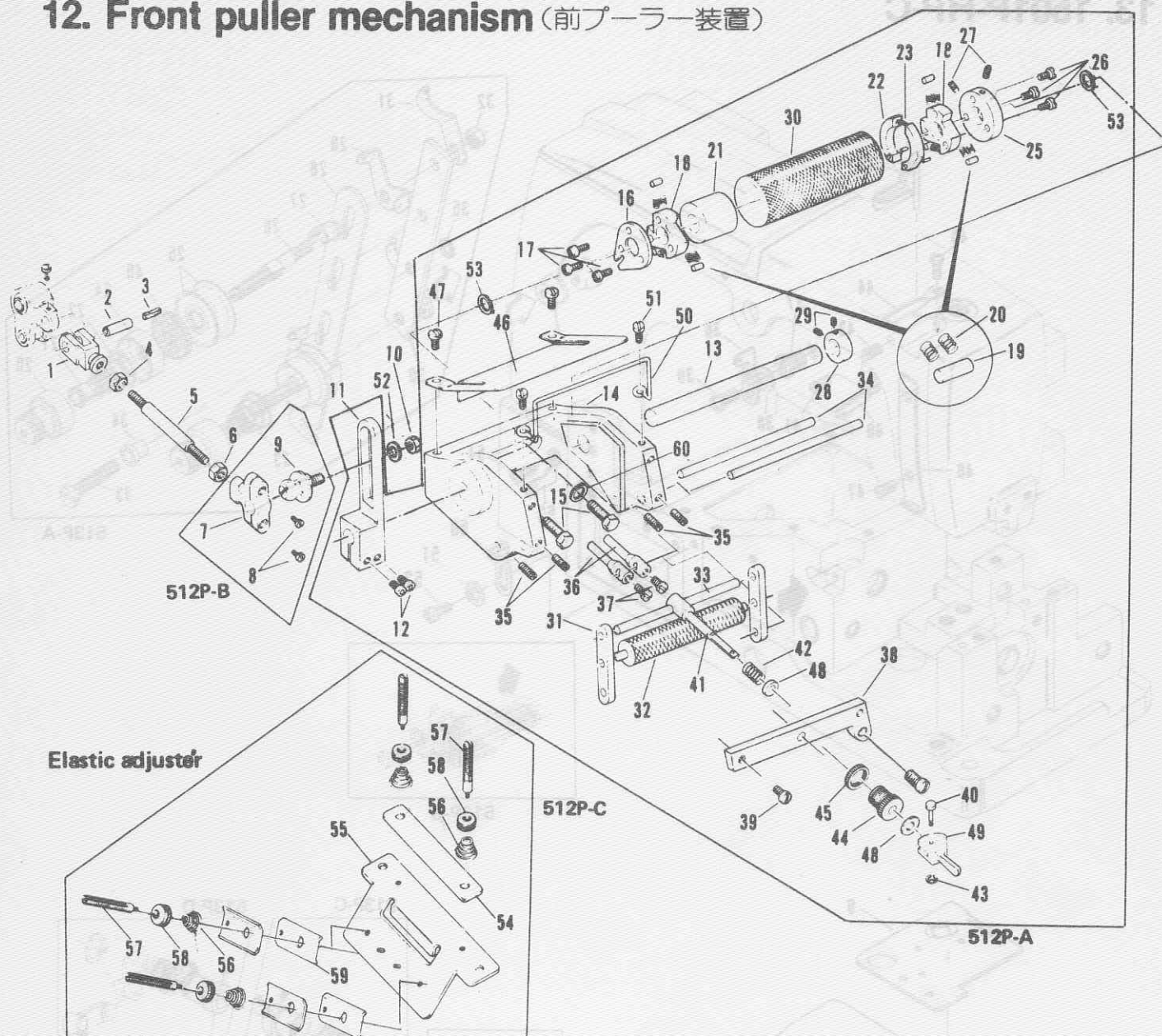
3/4"



Ref. No.	Part No.	Part Name	Q'ty
1	21-553	Upper cloth plate	1
2	21-523	Slide plate	1
3	14-516	Needle plate (5/8")	1
4	14-517	Needle plate (3/4")	1
5	84-575	Screw	2
6	15-516	Feed dog (5/8")	1
7	15-517	Feed dog (3/4")	1
8	11-502	Needle bar (5/8", 3/4")	1
9	17-516	Presser foot (5/8")	1
9-1	17-516-2	Presser foot, bottom	1
9-2	17-510-1	Presser foot, shank	1
9-3	17-512-3	Hinge screw	1
10	17-517	Presser foot (3/4")	1
10-1	17-516-2	Presser foot, bottom	1
10-2			
10-3			

Ref. No.	Part No.	Part Name	Q'ty
11	84-382	Screw	1
12	12-516	Needle holder (5/8")	1
13	12-517	Needle holder (3/4")	1
14	84-712	Screw	2
15	84-717	Screw	1
16	18-525	Needle guard (5/8", 3/4")	1
17	84-368	Screw	1
18	84-113	Screw	1
19	19-516	Looper, front (5/8")	1
20	19-517	Looper, front (3/4")	1
21	19-519	Looper, rear (5/8", 3/4")	1
22	71-206	Pin	1

12. Front puller mechanism (前プーラー装置)

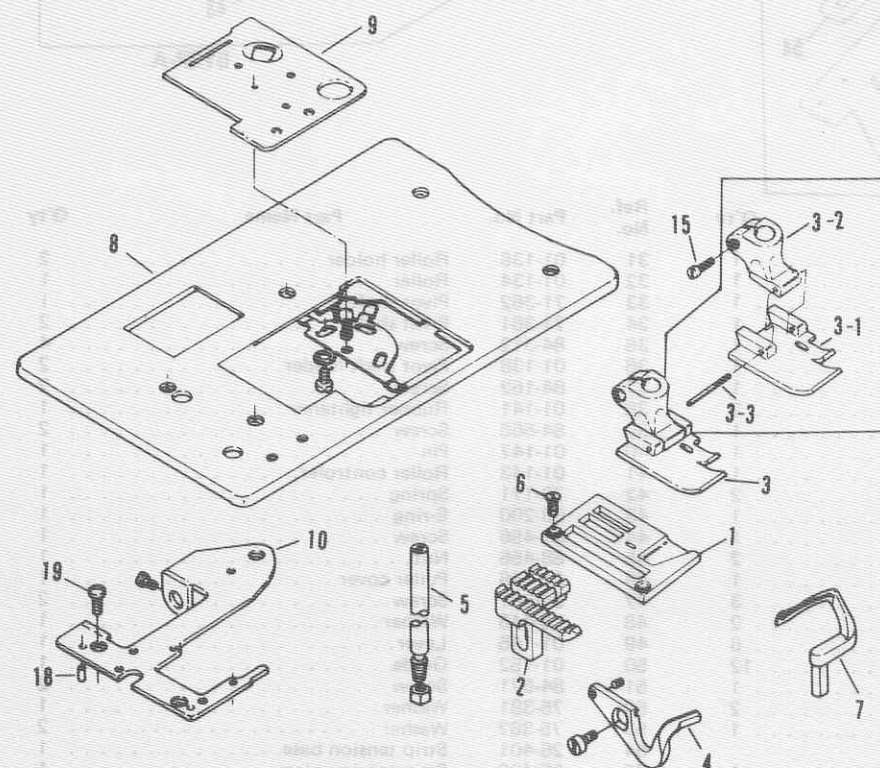
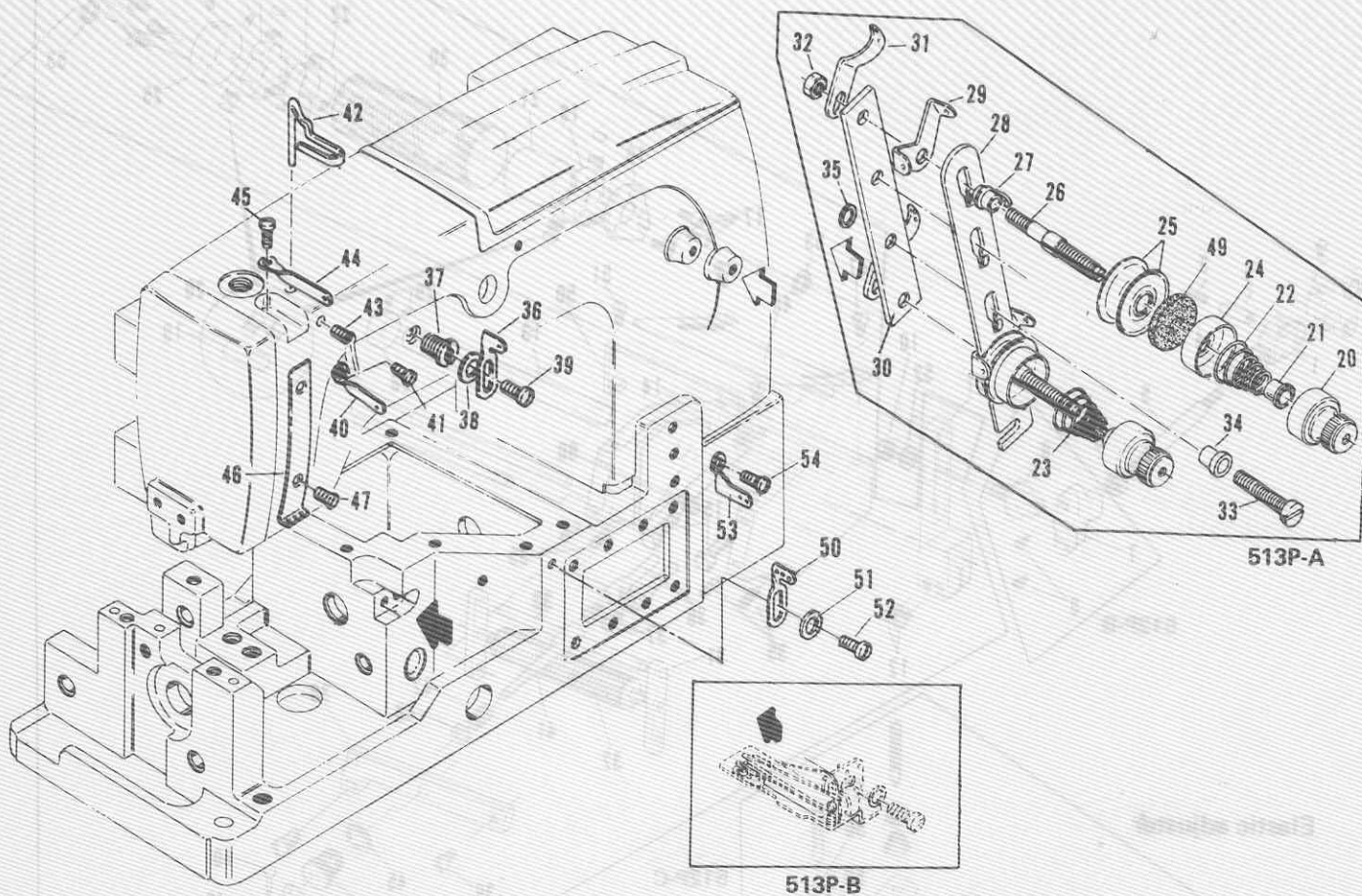


Ref. No.	Part No.	Part Name	Q'ty
1	66-131	Connecting link	1
2	71-432	Pin	1
3	23-341	Felt	1
4	86-701	Nut	1
5	65-334	Puller connecting bar	1
6	86-412	Nut	1
7	63-812	Connecting ball joint	1
8	84-572	Screw	2
9	61-821	Connecting rod	1
10	86-501	Nut	1
11	67-181	Puller connecting lever	1
12	85-681	Screw	2
13	71-523	Puller rocker shaft	1
14	01-111	Puller rocker	1
15	84-813	Screw	2
16	01-116	Puller clutch driving collar	1
17	84-162	Screw	3
18	02-101	Puller driving clutch	2
19	71-466	Puller clutch roller	6
20	79-191	Puller driving clutch spring	12
21	01-121	Puller thrust collar	1
22	01-124	Braker	2
23	79-194	Braker spring	1
24			
25	01-118	Clutch driving collar	1
26	84-162	Screw	3
27	84-712	Screw	2
28	75-152	Shaft collar	1
29	84-511	Screw	2
30	01-131	Puller pipe	1

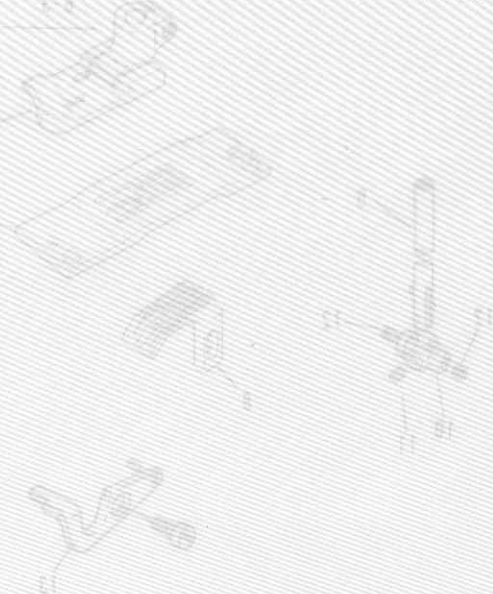
512P-A 00-140 Metering device ass'y
 512P-B 60-386 Connecting ball joint ass'y
 512P-C 20-641 Elastic adjuster ass'y

Ref. No.	Part No.	Part Name	Q'ty
31	01-136	Roller holder	2
32	01-134	Roller	1
33	71-362	Pivot shaft	1
34	71-361	Pivot shaft	2
35	84-312	Screw	4
36	01-138	Pivot shaft holder	2
37	84-162	Screw	2
38	01-141	Rubber tightener	1
39	84-566	Screw	2
40	01-147	Pin	1
41	01-143	Roller controller	1
42	79-171	Spring	1
43	93-200	E-ring	1
44	87-456	Screw	1
45	88-456	Nut	1
46	01-146	Puller cover	1
47	84-361	Screw	2
48	75-446	Washer	1
49	01-145	Lever	1
50	01-152	Guide	1
51	84-571	Screw	2
52	75-381	Washer	1
53	75-367	Washer	2
54	26-401	Strip tension base	1
55	26-402	Strip tension plate	1
56	26-407	Spring	4
57	26-406	Tension post	4
58	26-408	Nut	2
59	26-403	Strip tension plate (small)	2
60	75-452	Washer	2

13. 1501P-HP-C

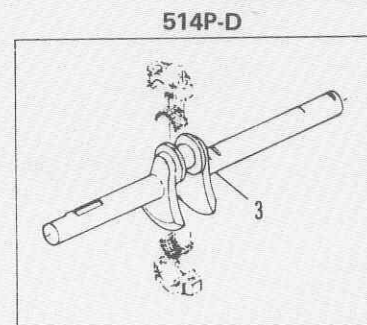
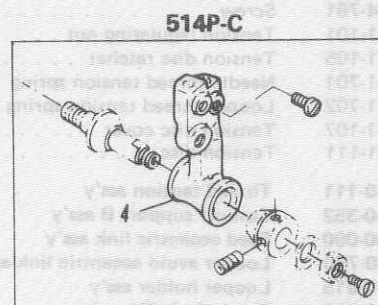
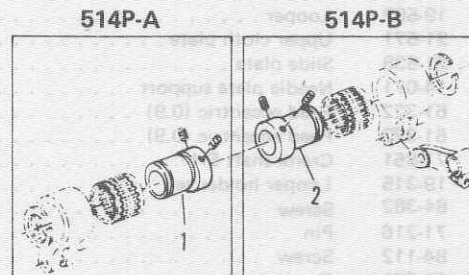
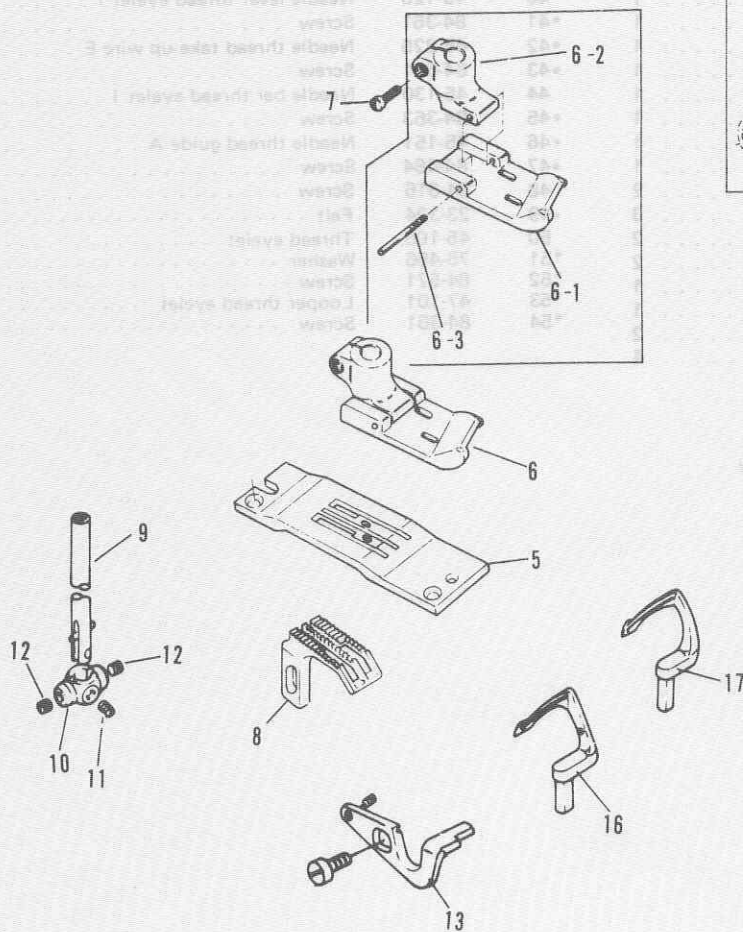


Ref. No.	Part No.	Part Name	Q'ty	Ref. No.	Part No.	Part Name	Q'ty
1	14-504	Needle plate	1	*26	41-172	Tension post	1
2	15-504	Feed dog	1	*27	41-131	Tension post collar A	2
3	17-504	Pressure foot	1	*28	41-113	Tension post support	1
3-1	17-504-2	Presser foot bottom	1	*29	41-115	Tension post thread eyelet	2
3-2	17-504-1	Presser foot shank	1	*30	41-121	Tension post holder	1
3-3	17-504-3	Hinge screw	1	*31	41-117	Lead in thread eyelet	2
3-4			1	*32	86-411	Nut	1
3-5				33	84-764	Screw	1
4	18-501	Needle guard	1	34	41-132	Tension post collar	1
5	11-504	Needle bar	1	35	75-381	Washer	1
6	84-464	Screw	2	36	45-100	Needle thread eyelet 1	1
7	19-502	Looper	1	*37	85-531	Screw	1
8	21-571	Upper cloth plate	1	*38	75-456	Washer	1
9	21-538	Slide plate	1	*39	84-571	Screw	1
10	14-071	Needle plate support	1	40	45-120	Needle lever thread eyelet 1	1
11	61-322	Feed eccentric (0.9)	1	*41	84-361	Screw	1
12	61-322	Feed eccentric (0.9)	1	*42	45-225	Needle thread take-up wire E	1
13	71-851	Crank shaft 5H	1	*43	84-521	Screw	1
14	19-315	Looper holder set	1	44	45-130	Needle bar thread eyelet 1	1
15	84-382	Screw	1	*45	84-363	Screw	1
16	71-216	Pin	1	*46	45-151	Needle thread guide A	1
17	84-112	Screw	1	*47	84-464	Screw	2
*18	71-251	Pin	2	48	84-616	Screw	1
*19	84-761	Screw	3	*49	23-324	Felt	2
*20	41-101	Tension regulating nut	2	50	45-100	Thread eyelet	1
*21	41-105	Tension disc ratchet	2	*51	75-456	Washer	1
*22	41-701	Needle thread tension spring	1	*52	84-571	Screw	1
*23	41-702	Looper thread tension spring	1	*53	47-101	Looper thread eyelet	1
*24	41-107	Tension disc cover	2	*54	84-361	Screw	1
*25	41-111	Tension disc	4				
513P-A	40-111	Thread tension ass'y					
*513P-B	40-352	Cast-off support B ass'y					
513P-C	60-090	Feed eccentric link ass'y					
513P-D	60-790	Looper avoid eccentric link ass'y					
513P-E	10-915	Looper holder ass'y					
513P-F	70-025	Crank shaft 5H ass'y					



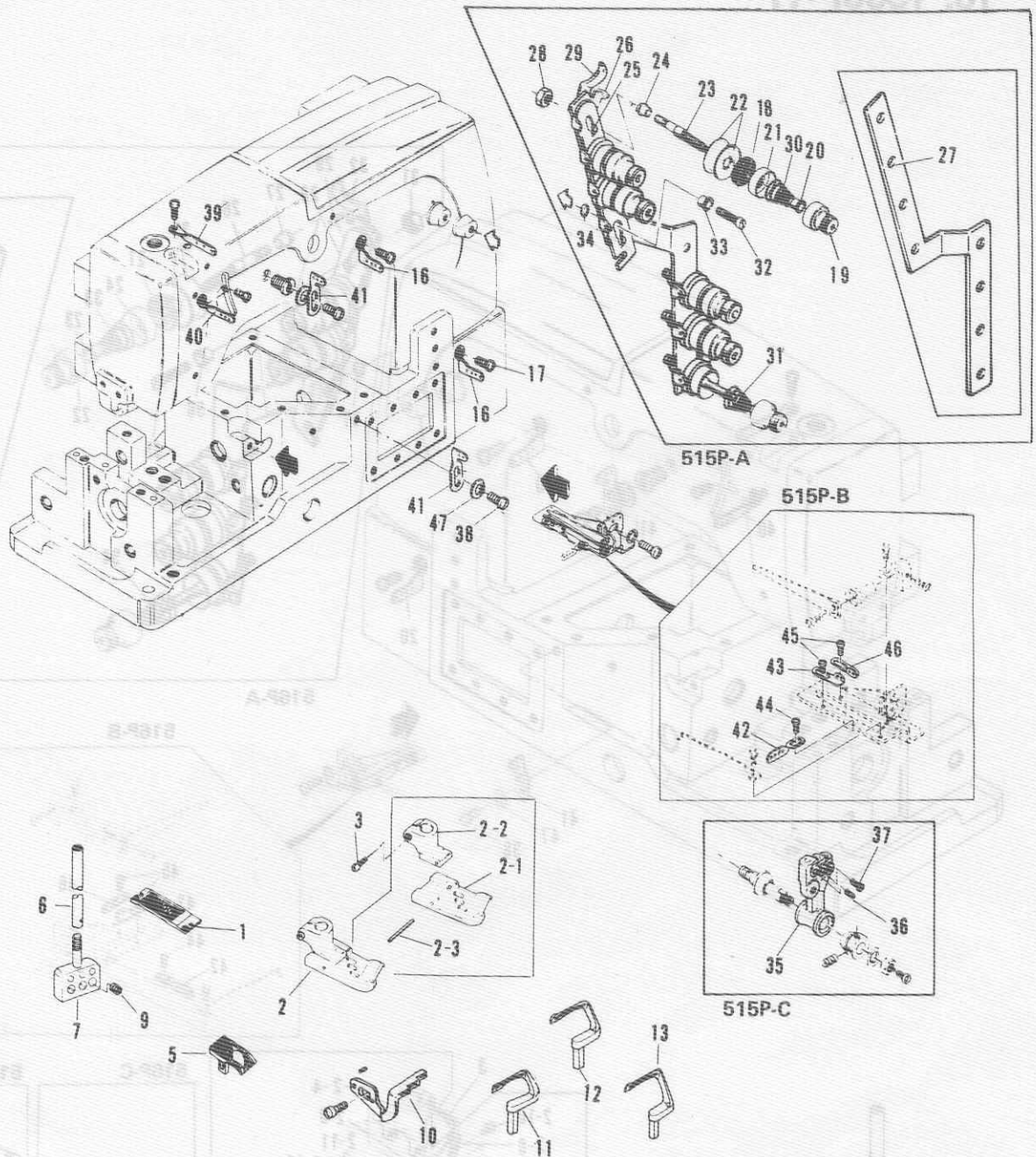
Ref. No.	Part Name	Part No.	Q'ty	Ref. No.	Part Name	Part No.	Q'ty
1	Screw	84-382	1	1	Feed eccentric 0.9	61-322	1
2	Feed dog (1.4")	15-504	1	2	Feed eccentric 0.9	61-322	1
3	Needle bar (1.4")	11-504	1	3	Crank shaft 5H	71-851	1
4	Pressure foot (1.4")	17-504	1	4	Looper holder H	19-315	1
5	Screw	84-382	1	5	Needle plate (1.4")	14-504	1
6	Screw	84-382	1	6	Presser foot (1.4")	17-504-1	1
7	Needle guard	18-501	1	7	Presser foot bottom	17-504-2	1
8				8	Presser foot shank	17-504-3	1
9				9	Hinge screw	17-504-3	1
10	Looper (1.4")	19-502	1	10			
11	Looper (1.4")	19-502	1	11			
12				12	Feed eccentric link ass'y	60-090	1
13				13	Looper avoid eccentric link ass'y	60-790	1
14				14	Looper holder ass'y	10-915	1
15				15	Crank shaft 5H ass'y	70-025	1

14. 1502P-HD



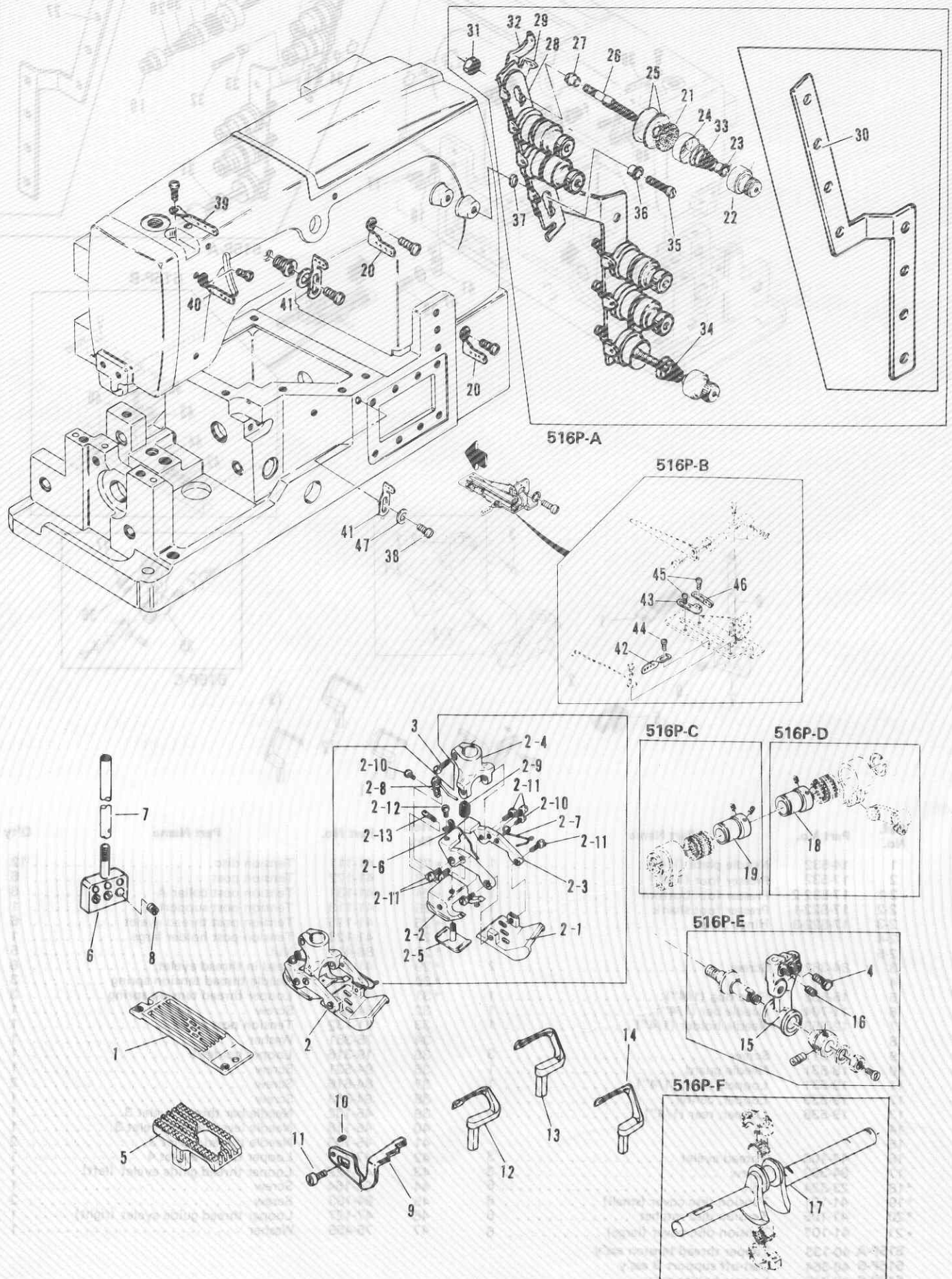
Ref. No.	Part No.	Part Name	Q'ty	Ref. No.	Part No.	Part Name	Q'ty
1	61-322	Feed eccentric 0.9	1	7	84-382	Screw	1
2	61-322	Feed eccentric 0.9	1	8	15-522	Feed dog (1/4")	1
3	71-851	Crank shaft 5H	1	* 9	11-512	Needle bar (1/4")	1
4	19-318	Looper holder H	1	* 10	12-510	Needle holder (1/4")	1
5	14-522	Needle plate (1/4")	1	* 11	84-717	Screw	1
6	17-522	Presser foot (1/4")	1	* 12	84-712	Screw	2
6-1	17-522-2	Presser foot bottom	1	13	18-522	Needle guard	1
6-2	17-522-1	Presser foot shank	1	14			
6-3	17-522-3	Hinge screw	1	15			
6-4				16	19-521	Looper, front (1/4")	1
6-5				17	19-522	Looper, rear	1
514P-A	60-090	Feed eccentric link ass'y					
514P-B	60-790	Looper avoid eccentric link ass'y					
514P-C	10-918	Looper holder ass'y					
514P-D	70-025	Crank shaft 5H ass'y					

15. 1503P



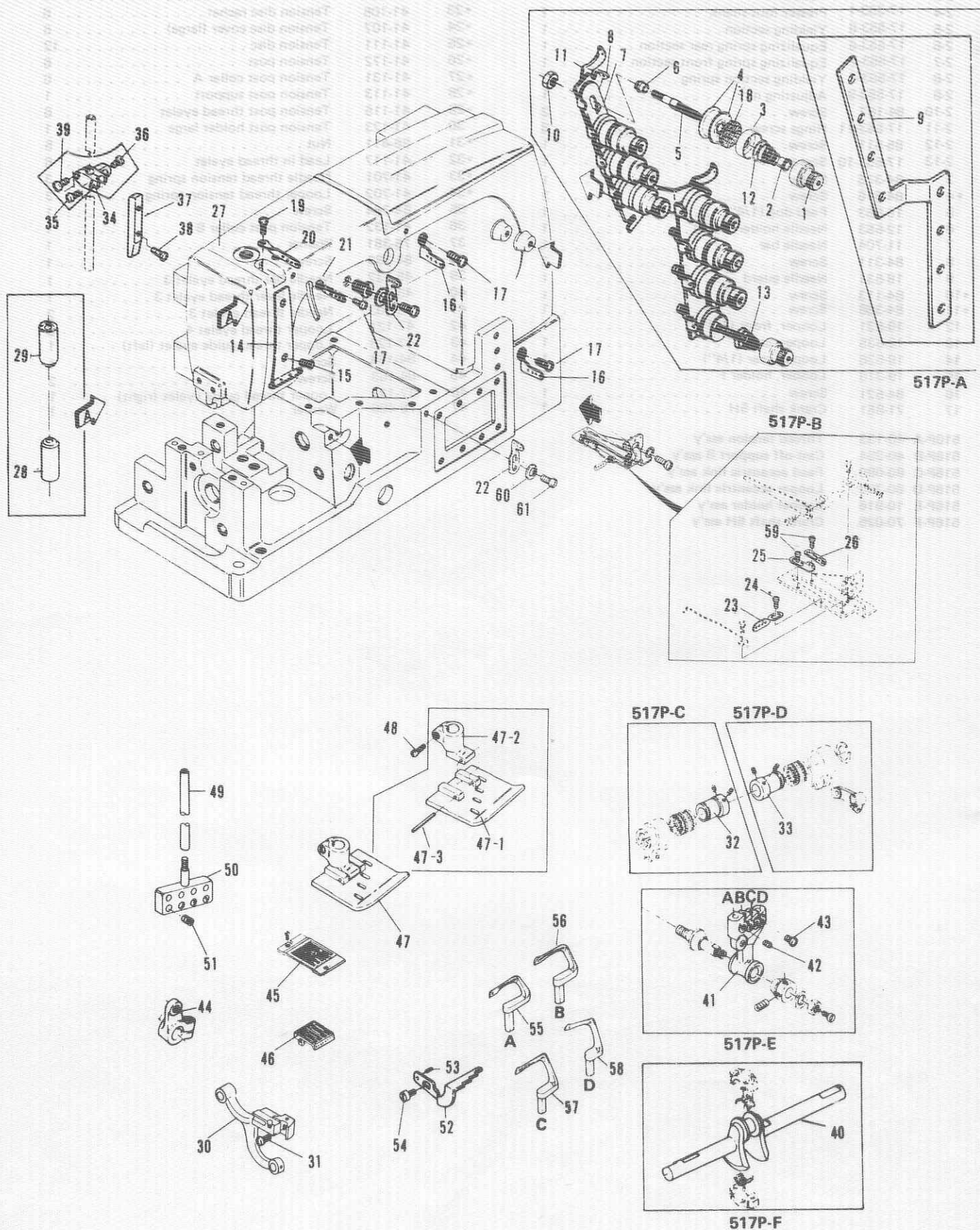
Ref. No.	Part No.	Part Name	Q'ty	Ref. No.	Part No.	Part Name	Q'ty
1	14-532	Needle plate (1/4")	1	*22	41-111	Tension disc	12
2	17-532	Presser foot (1/4")	1	*23	41-172	Tension post	6
2-1	17-532-2	Presser foot bottom	1	*24	41-131	Tension post collar A	6
2-2	17-522-1	Presser foot shank	1	*25	41-113	Tension post support	1
2-3	17-522-3	Hinge screw	1	*26	41-115	Tension post thread eyelet	6
2-4				27	41-123	Tension post holder large	1
2-5				*28	86-411	Nut	5
3	84-382	Screw	2	*29	41-117	Lead in thread eyelet	6
4				*30	41-701	Needle thread tension spring	3
5	15-532	Feed dog (1/4")	1	*31	41-702	Looper thread tension spring	3
6	11-704	Needle bar (1/4")	1	32	84-764	Screw	1
7	12-553	Needle holder (1/4")	1	33	41-132	Tension post collar B	1
8				34	75-381	Washer	1
9	84-311	Screw	3	35	19-316	Looper holder F	1
10	18-531	Needle guard	1	36	84-521	Screw	1
11	19-531	Looper, front (1/4")	1	37	84-616	Screw	2
12	19-535	Looper, center	1	38	84-363	Screw	1
13	19-536	Looper, rear (1/4")	1	39	45-132	Needle bar thread eyelet 3	1
14				40	45-118	Needle lever thread eyelet 3	1
15				41	45-103	Needle thread eyelet 3	2
16	47-103	Thread eyelet	3	42	47-121	Looper thread eyelet 4	1
17	84-362	Screw	3	43	47-128	Looper thread guide eyelet (left)	1
*18	23-324	Felt	6	44	84-164	Screw	1
*19	41-101	Tension disc cover (small)	6	45	84-163	Screw	2
*20	41-105	Tension disc ratchet	6	46	47-127	Looper thread guide eyelet (right)	1
*21	41-107	Tension disc cover (large)	6	47	75-456	Washer	1
515P-A	40-133	Looper thread tension ass'y					
515P-B	40-354	Cast-off support B ass'y					
515P-C	10-916	Looper holder ass'y					

Subclass model
16. 1503P-TF



Ref. No.	Part No.	Part Name	Q'ty	Ref. No.	Part No.	Part Name	Q'ty
1	14-553	Needle plate (1/4")	1	18	61-322	Looper eccentric (0.9)	1
2	17-553	Pressure foot (1/4")	1	19	61-322	Feed eccentric (0.9)	1
2-1	17-553-5	Bottom front section	1	20	47-103	Thread eyelet 4	2
2-2	17-553-2	Bottom rear section	1	*21	23-324	Felt	6
2-3	17-553-3	Yoke	1	*22	41-101	Tension disc cover (small)	6
2-4	17-553-1	Presser foot shank	1	*23	41-105	Tension disc ratchet	6
2-5	17-553-8	Yielding section	1	*24	41-107	Tension disc cover (large)	6
2-6	17-553-6	Equalizing spring rear section	1	*25	41-111	Tension disc	12
2-7	17-553-7	Equalizing spring front section	1	*26	41-172	Tension post	6
2-8	17-553-4	Yielding section spring	1	*27	41-131	Tension post collar A	6
2-9	17-553-9	Adjusting nut	1	*28	41-113	Tension post support	1
2-10	84-167	Screw	2	*29	41-115	Tension post thread eyelet	6
2-11	17-553-11	Hinge screw	6	30	41-123	Tension post holder large	1
2-12	85-611	Screw	1	*31	86-411	Nut	5
2-13	17-553-10	Screw	1	*32	41-117	Lead in thread eyelet	6
3	84-376	Screw	1	*33	41-701	Needle thread tension spring	3
*4	84-616	Screw	2	*34	41-702	Looper thread tension spring	3
5	15-553	Feed dog (1/4")	1	35	84-764	Screw	1
6	12-553	Needle holder (1/4")	1	36	41-132	Tension post collar B	1
7	11-704	Needle bar	1	37	75-381	Washer	1
8	84-311	Screw	3	38	84-363	Screw	1
9	18-531	Needle guard	1	39	45-132	Needle bar thread eyelet 3	1
*10	84-113	Screw	1	40	45-118	Needle lever thread eyelet 3	1
*11	84-368	Screw	1	41	45-103	Needle thread eyelet 3	2
12	19-531	Looper, front (1/4")	1	42	47-121	Looper thread eyelet 4	2
13	19-535	Looper, center	1	43	47-128	Looper thread guide eyelet (left)	1
14	19-536	Looper, rear (1/4")	1	44	84-164	Screw	1
15	19-316	Looper, holder F	1	45	84-163	Screw	2
16	84-521	Screw	1	46	47-127	Looper thread guide eyelet (right)	1
17	71-851	Crank shaft 5H	1	47	75-456	Washer	1
516P-A	40-133	Thread tension ass'y					
516P-B	40-354	Cast-off support B ass'y					
516P-C	60-090	Feed eccentric link ass'y					
516P-D	60-790	Looper eccentric link ass'y					
516P-E	10-916	Looper holder ass'y					
516P-F	70-025	Crank shaft 5H ass'y					

17. 1504P

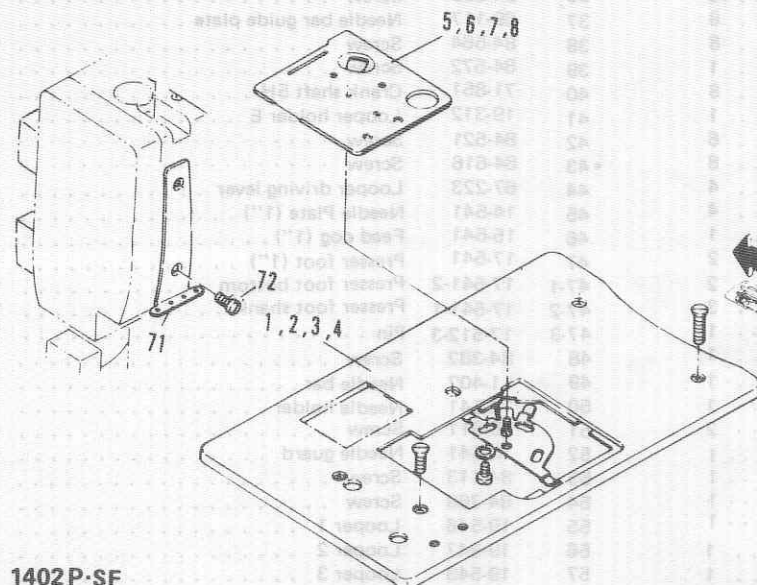


Ref. No.	Part No.	Part Name	Q'ty
* 1	41-101	Tension disc cover (small)	8
* 2	41-105	Tension disc ratchet	8
* 3	41-107	Tension disc cover (large)	8
* 4	41-111	Tension disc	16
* 5	41-172	Tension post	8
* 6	41-131	Tension post collar A	8
* 7	41-113	Tension post support	1
* 8	41-115	Tension post thread eyelet (upper)	8
9	41-123	Tension post holder (large)	1
* 10	86-411	Nut	6
* 11	41-117	Lead in thread eyelet (lower)	8
* 12	41-701	Needle thread tension spring	4
* 13	41-702	Looper thread tension spring	4
14	45-152	Needle thread guide B	1
15	84-464	Screw	2
16	47-103	Thread eyelet 4	2
* 17	84-361	Screw	3
18	23-324	Felt	1
19	84-363	Screw	1
20	45-133	Needle bar thread eyelet 4	1
21	45-123	Needle lever thread eyelet 4	1
22	45-103	Needle thread eyelet 4	2
23	47-121	Looper thread guide eyelet 4	1
24	84-164	Screw	1
25	47-128	Looper thread guide eyelet (left)	1
26	47-127	Looper thread guide eyelet (right)	1
27	22-561	Arm bed	1
28	81-181	Needle bar bushing (lower)	1
29	81-182	Needle bar bushing (upper)	1
30	55-154	Feed rocker	1
31	84-588	Screw	1
32	61-322	Eccentric 0.9 (for feed)	1

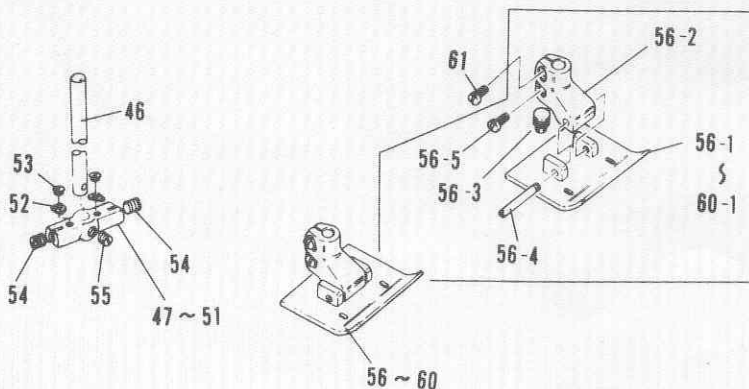
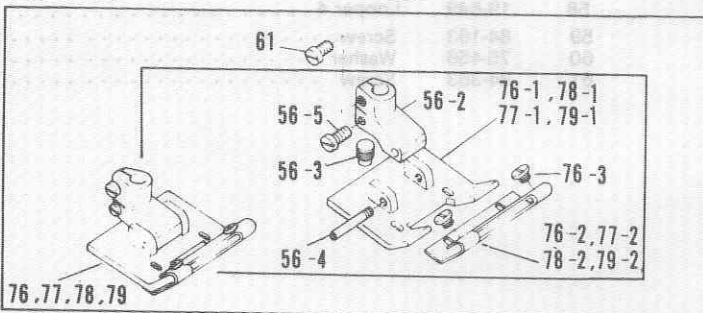
517P-A	40-144	Thread tension ass'y
517P-B	40-354	Cast-off support ass'y
517P-C	60-090	Feed eccentric link ass'y
517P-D	60-790	Looper eccentric link ass'y
517P-E	10-912	Looper holder ass'y
517P-F	70-025	Crank shaft 5H ass'y

Ref. No.	Part No.	Part Name	Q'ty
33	61-322	Eccentric 0.9 (for looper avoid)	1
34	73-121	Needle bar connection	1
35	84-363	Screw	2
36	84-365	Screw	1
37	69-117	Needle bar guide plate	1
38	84-564	Screw	2
39	84-572	Screw	1
40	71-851	Crank shaft 5H	1
41	19-312	Looper holder E	1
42	84-521	Screw	1
* 43	84-616	Screw	3
44	67-223	Looper driving lever	1
45	14-541	Needle Plate (1")	1
46	15-541	Feed dog (1")	1
47	17-541	Presser foot (1")	1
47-1	17-541-2	Presser foot bottom	1
47-2	17-541-1	Presser foot shank	1
47-3	17-512-3	Pin	1
48	84-382	Screw	1
49	11-402	Needle bar	1
50	12-541	Needle holder	1
51	85-511	Screw	4
52	18-541	Needle guard	1
53	84-113	Screw	1
54	84-368	Screw	1
55	19-546	Looper 1	1
56	19-547	Looper 2	1
57	19-548	Looper 3	1
58	19-549	Looper 4	1
59	84-163	Screw	2
60	75-456	Washer	1
61	84-363	Screw	1

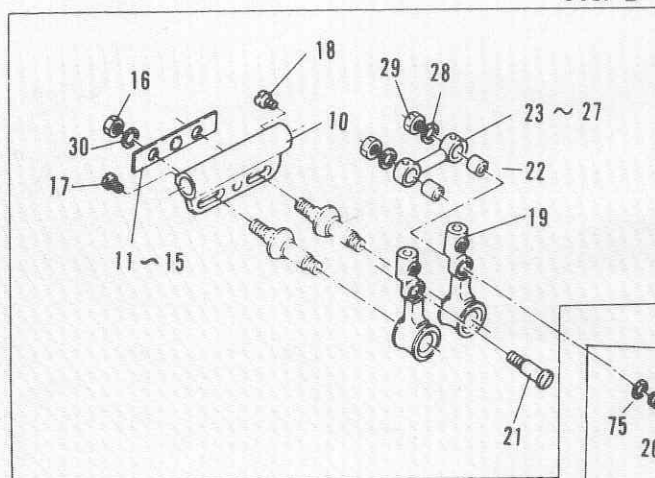
18. 1507P・P-SF



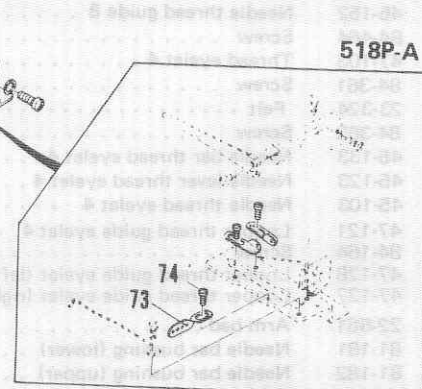
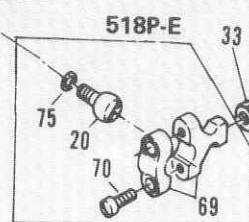
1402P-SF



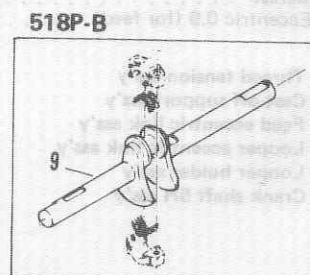
518P-D



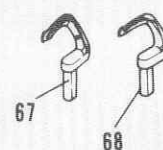
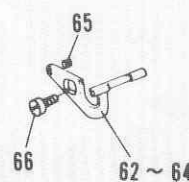
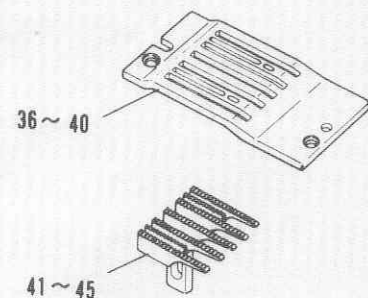
518P-E



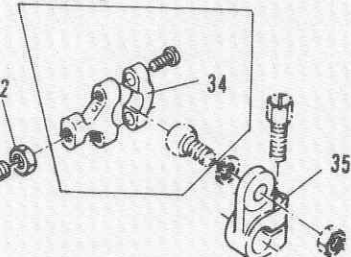
518P-A



518P-B

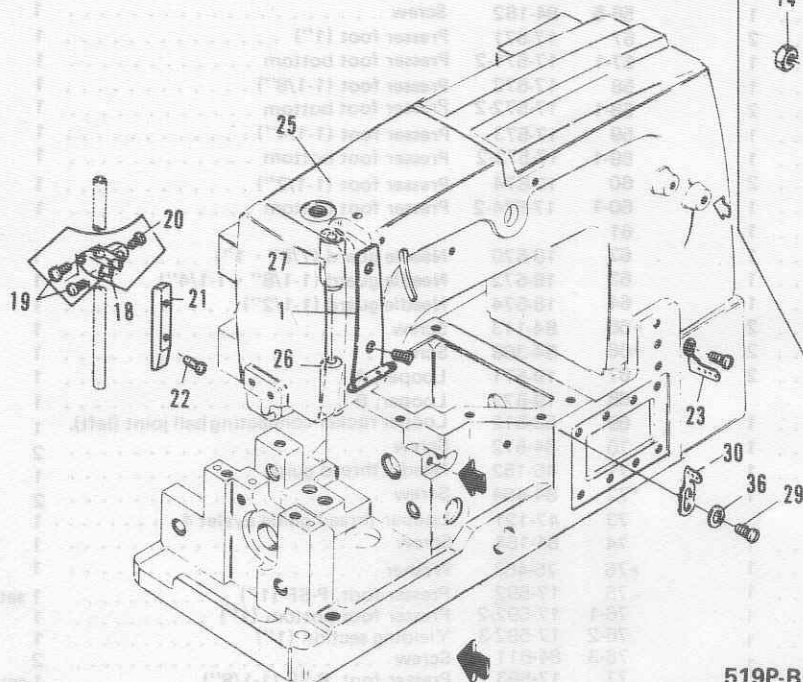


518P-C

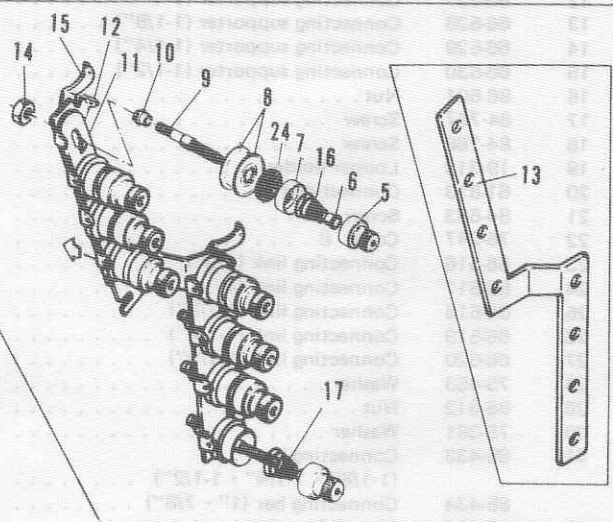


Ref. No.	Part No.	Part Name	Q'ty	Ref. No.	Part No.	Part Name	Q'ty
1	21-553	Upper cloth plate (7/8" x 1")	1	47	12-570	Needle holder (7/8")	1
2	21-554	Upper cloth plate (1-1/8")	1	48	12-571	Needle holder (1")	1
3	21-555	Upper cloth plate (1-1/4")	1	49	12-572	Needle holder (1-1/8")	1
4	21-556	Upper cloth plate (1-1/2")	1	50	12-573	Needle holder (1-1/4")	1
5	21-523	Slide plate (7/8" x 1")	1	51	12-574	Needle holder (1-1/2")	1
6	21-524	Slide plate (1-1/8")	1	52	45-174	Needle holder threads eyelet	2
7	21-529	Slide plate (1-1/4")	1	53	84-364	Screw	2
8	21-530	Slide plate (1-1/2")	1	54	84-715	Screw	2
9	71-854	Crank shaft 5M	1	55	84-717	Screw	1
10	19-304	Looper rocker	1	56	17-570	Presser foot (7/8")	1
11	66-526	Connecting supporter (7/8")	1	56-1	17-570-2	Presser foot bottom	1
12	66-527	Connecting supporter (1")	1	56-2	17-570-1	Presser foot shank	1
13	66-528	Connecting supporter (1-1/8")	1	56-3	17-570-4	Screw	1
14	66-529	Connecting supporter (1-1/4")	1	56-4	17-522-3	Hinge screw	1
15	66-530	Connecting supporter (1-1/2")	1	56-5	84-162	Screw	1
16	86-501	Nut	2	57	17-571	Presser foot (1")	1
17	84-767	Screw	1	57-1	17-571-2	Presser foot bottom	1
18	84-766	Screw	1	58	17-572	Presser foot (1-1/8")	1
19	19-313	Looper holder	2	58-1	17-572-2	Presser foot bottom	1
20	61-813	Connecting rod	1	59	17-573	Presser foot (1-1/4")	1
21	84-583	Screw	1	59-1	17-573-2	Presser foot bottom	1
22	75-247	Collar B	2	60	17-574	Presser foot (1-1/2")	1
23	66-516	Connecting link (7/8")	1	60-1	17-574-2	Presser foot bottom	1
24	66-517	Connecting link (1")	1	61			
25	66-518	Connecting link (1-1/8")	1	62	18-570	Needle guard (7/8" x 1")	1
26	66-519	Connecting link (1-1/4")	1	63	18-572	Needle guard (1-1/8" x 1-1/4")	1
27	66-520	Connecting link (1-1/2")	1	64	18-574	Needle guard (1-1/2")	1
28	75-453	Washer	2	*65	84-113	Screw	1
29	86-312	Nut	2	*66	84-368	Screw	1
30	75-381	Washer	2	67	19-571	Looper, A	1
31	65-433	Connecting bar (1-1/8" x 1-1/4" x 1-1/2")	1	68	19-572	Looper, B	1
	65-434	Connecting bar (1" x 7/8")	1	69	63-812	Looper rocker connecting ball joint (left)	1
32	86-411	Nut, right	1	70	84-572	Screw	2
33	86-412	Nut, left	1	71	45-152	Needle thread guide	1
34	63-811	Looper rocker connecting ball joint (right)	1	*72	84-464	Screw	2
35	67-223	Looper driving lever	1	73	47-121	Looper thread guide eyelet 4	1
36	14-570	Needle plate (7/8")	1	74	84-164	Screw	1
37	14-571	Needle plate (1")	1	*75	75-453	Washer	1
38	14-572	Needle plate (1-1/8")	1	76	17-592	Presser foot, P-SF (1")	1 set
39	14-573	Needle plate (1-1/4")	1	76-1	17-592-2	Presser foot bottom (1")	1
40	14-574	Needle plate (1-1/2")	1	76-2	17-592-3	Yielding section (1")	1
41	15-570	Feed dog (7/8")	1	76-3	84-611	Screw	2
42	15-571	Feed dog (1")	1	77	17-593	Presser foot, P-SF (1-1/8")	1 set
43	15-572	Feed dog (1-1/8")	1	77-1	17-593-2	Presser foot bottom (1-1/8")	1
44	15-573	Feed dog (1-1/4")	1	77-2	17-593-3	Yielding section (1-1/8")	1
45	15-574	Feed dog (1-1/2")	1	78	17-594	Presser foot, P-SF (1-1/4")	1
46	11-503	Needle bar	1	78-1	17-594-2	Presser foot bottom (1-1/4")	1
				78-2	17-594-3	Yielding section (1-1/4")	1
				79	17-595	Presser foot, P-SF (1-1/2")	1 set
				79-1	17-595-2	Presser foot, bottom (1-1/2")	1
				79-2	17-595-3	Yielding section (1-1/2")	1
518P-A	40-357	Cast-off support ass'y					
518P-B	70-035	Crank shaft 5M ass'y					
518P-C	60-381	Looper connecting link right ass'y					
518P-D	10-973	Looper holder ass'y					
518P-E	60-387	Looper connecting link (left) ass'y. (1507)					

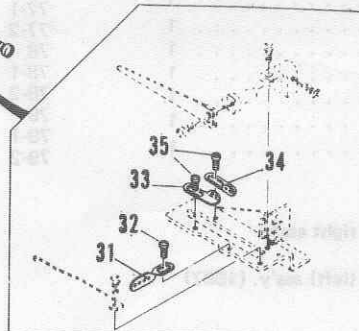
19. (1) Thread eyelet components (糸道関係)



519P-A



519P-B

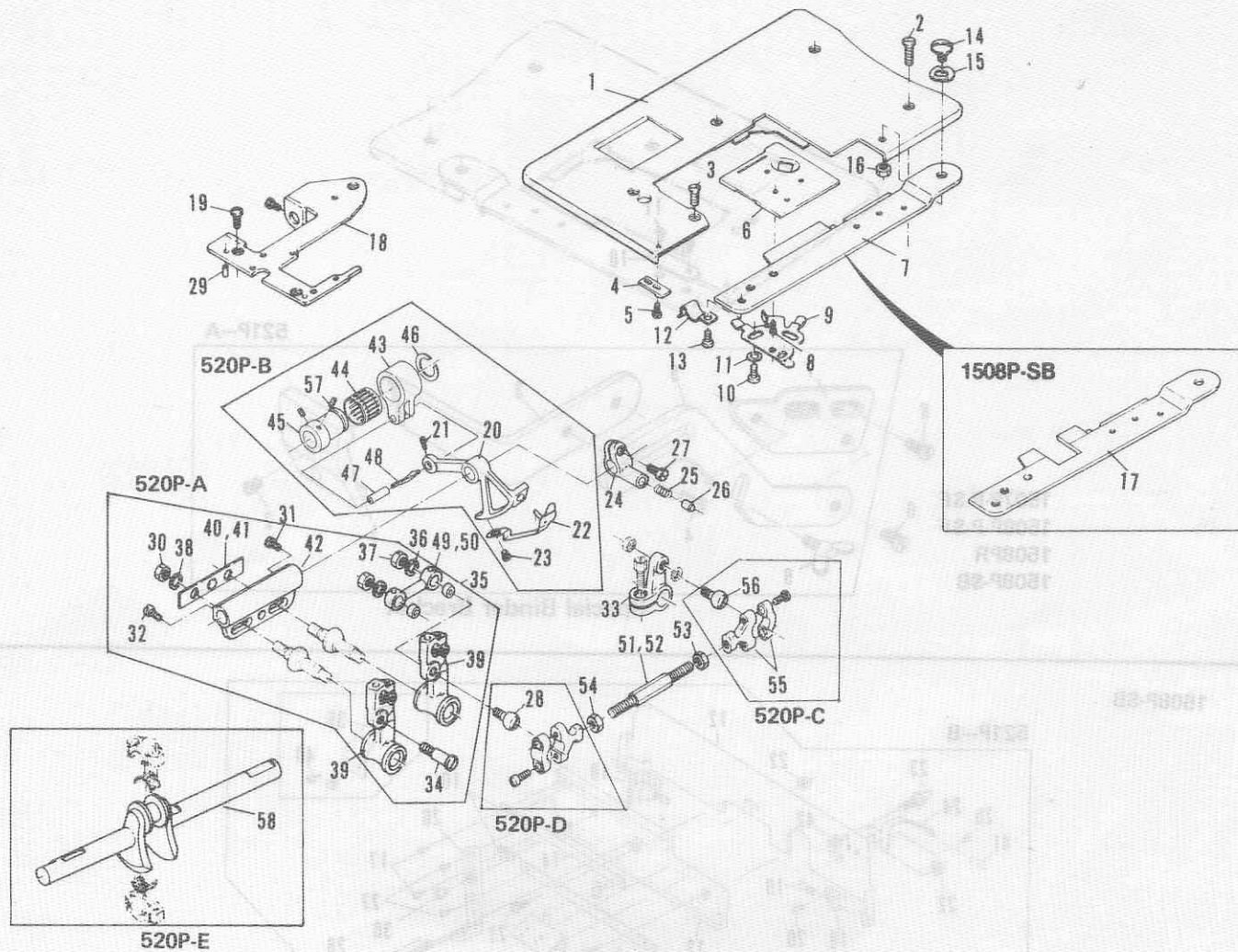


Ref. No.	Part No.	Part Name	Q'ty
1	45-152	Needle thread guide	1
2			
3			
4			
* 5	41-101	Tension disc cover (small)	8
* 6	41-105	Tension disc ratchet	8
* 7	41-107	Tension disc cover (large)	8
* 8	41-111	Tension disc	16
* 9	41-172	Tension post	8
* 10	41-131	Tension post collar A	8
* 11	41-113	Tension post support	1
* 12	41-115	Tension post thread eyelet (upper)	8
13	41-123	Tension post holder (large)	1
* 14	86-411	Nut	6
* 15	41-117	Lead in thread eyelet (lower)	8
* 16	41-701	Needle thread tension spring	4
* 17	41-702	Looper thread tension spring	4
18	73-121	Needle bar connection	1

519P-A 40-144 Thread tension ass'y
519P-B 40-354 Cast-off support ass'y

Ref. No.	Part No.	Part Name	Q'ty
19	84-616	Screw	2
20	84-365	Screw	1
21	69-117	Needle bar guide plate	1
22	84-564	Screw	1
23	47-103	Looper thread eyelet	1
24	23-324	Felt	8
25	22-561	Arm bed	1
26	81-181	Needle bar bushing (lower)	1
27	81-182	Needle bar bushing (upper)	1
28	84-564	Screw	2
29	84-363	Screw	1
30	45-103	Needle thread eyelet	1
31	47-121	Looper thread guide eyelet 4	1
32	84-164	Screw	1
33	47-128	Looper thread guide eyelet (left)	1
34	47-127	Looper thread guide eyelet (right)	1
35	84-163	Screw	1
36	75-456	Washer	1

20. (2) Components (カバー・ルーパー・クランク関係)

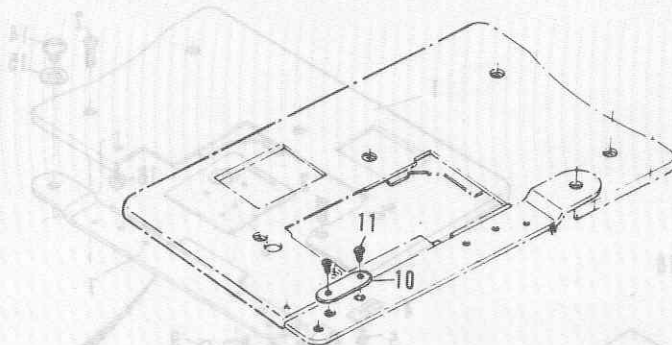


Ref. No.	Part No.	Part Name	Q'ty
1	21-558	Upper cloth plate	1
2	84-861	Screw	3
3	84-862	Screw	2
4	25-171	Holder	1
5	84-361	Screw	2
6	21-525	Slide plate	1
7	21-559	Front plate cover	1
8	85-611	Screw	1
9	21-532	Spring for slide plate	1
10	84-585	Screw	3
11	75-454	Washer	3
12	79-521	Spring	1
13	84-364	Screw	1
14	85-192	Screw	1
15	02-112	Washer	1
16	86-541	Nut	1
17	21-562	Front plate cover	1
18	14-071	Needle plate support	1
*19	84-464	Screw	2
20	67-133	Looper avoid lever	1
21	84-366	Screw	1
22	79-508	Spring	1
23	84-164	Screw	1
24	67-501	Stop lever	1
25	79-457	Spring	1
26	71-951	Pin	1
27	84-815	Screw	1
28	61-824	Connecting rod	1
29	71-251	Knock pin	2

520P-A	10-984	Looper holder ass'y
520P-B	60-758	Looper avoid eccentric link ass'y (1508)
520P-C	60-381	Looper connecting link right ass'y
520P-D	60-388	Looper connecting link (left) ass'y (1508)
520P-E	70-025	Crank shaft 5H ass'y

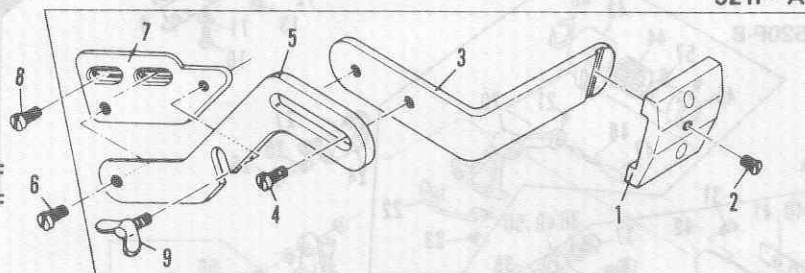
Ref. No.	Part No.	Part Name	Q'ty
30	86-501	Nut	2
31	84-716	Screw	1
32	84-766	Screw	1
33	67-223	Looper driving lever	1
34	84-583	Screw	1
35	75-247	Collar B	2
36	75-453	Washer	2
37	86-312	Nut	2
38	75-381	Washer	1
39	19-324	Looper holder	2
40	66-529	Connecting supporter (3/16"-1"-3/16")	1
41	66-531	Connecting supporter (1/4"-1"-1/4")	1
42	19-304	Looper rocker	1
*43	63-232	Eccentric link	1
*44	91-406	Bearing	1
*45	61-312	Looper avoid eccentric (0.8)	1
*46	93-406	Snap ring	1
*47	71-431	Connecting link pin	1
*48	23-341	Felt	1
49	66-519	Looper connecting link (1/4"-1"-1/4")	1
50	66-521	Looper connecting link (3/16"-1"-3/16")	1
51	65-433	Connecting bar (1/4"-1"-1/4")	1
52	65-434	Connecting bar (3/16"-1"-3/16")	1
53	86-411	Nut (right)	1
54	86-412	Nut (left)	1
55	63-811	Looper rocker connecting ball joint (right)	1
56	61-823	Looper driving connecting rod	1
57			
58	71-851	Crank shaft 5H	1

21. (3) Attachment (アタッチメント)



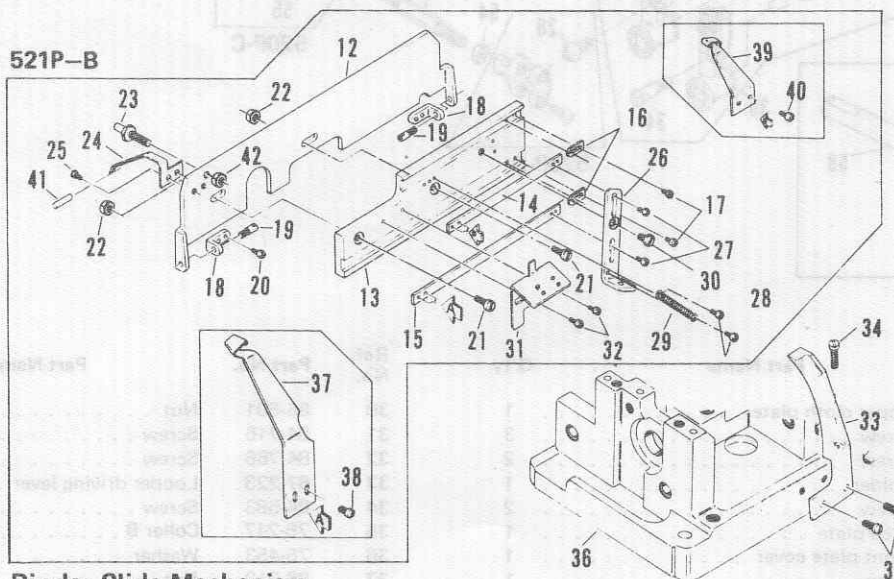
521P-A

1507P-P-SF
1508P-P-SF
1508PR
1508P-SB



Special Binder Bracket

1508P-SB

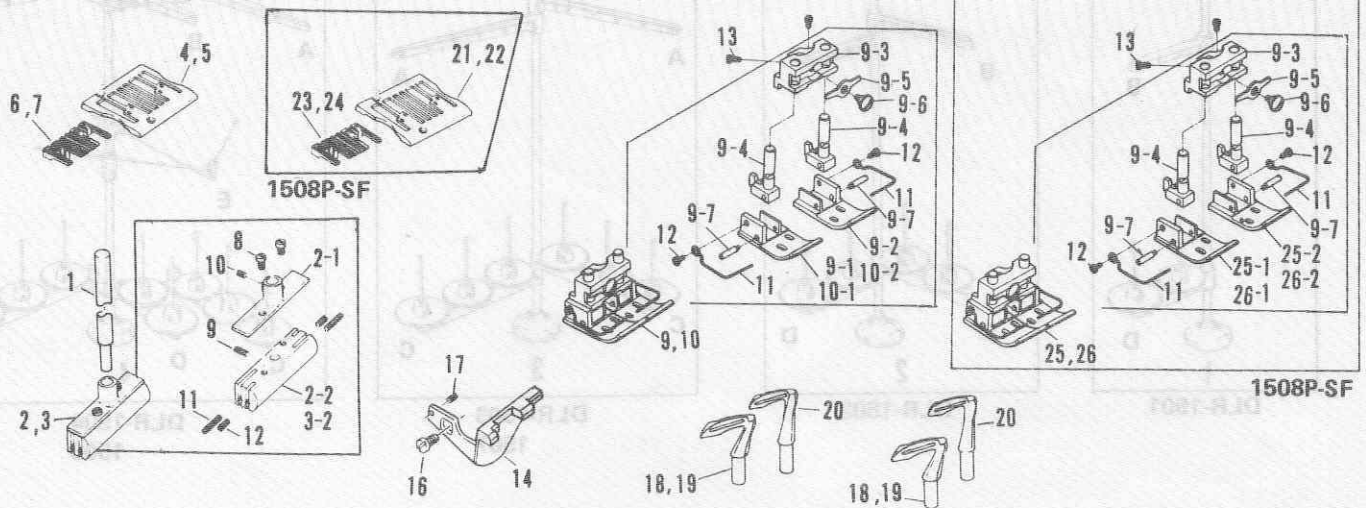


Binder Slide Mechanism

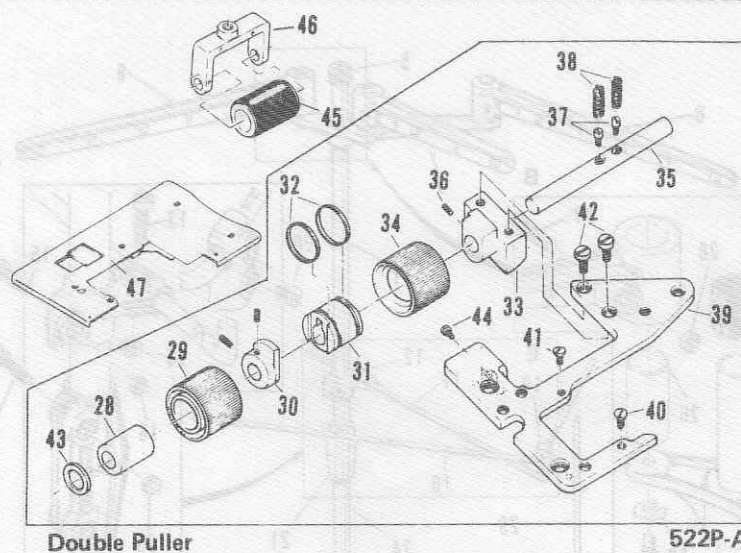
Ref. No.	Part No.	Part Name	Q'ty	Ref. No.	Part No.	Part Name	Q'ty
1	26-726	Fixing clamp	1	22	86-411	Nut	2
2	84-362	Screw	1	23	26-509	Mounting screw	1
3	26-733	Mounting base for holder	1	24	79-511	Latch spring	1
4	84-571	Screw	2	25	84-361	Screw	2
5	26-732	Mounting slide for holder	1	26	26-505	Operating lever	1
6	84-566	Screw	1	27	84-598	Slide guide screw	2
7	26-731	Mounting base for holder	1	28	84-361	Screw	2
8	84-571	Screw	1	29	79-251	Spring	1
9	26-736	Bolt	1	30	84-596	Screw	1
10	26-712	Mounting bracket for holder	1	31	26-507	Binder bracket	1
11	85-181	Screw	2	32	84-596	Screw	1
12	26-501	Bracket plate	1	33	26-512	Throat plate support	1
13	26-502	Slide base	1	34	84-563	Screw	1
14	26-504	Slide plate (small)	1	35	84-762	Screw	2
15	26-503	Slide plate (large)	1	36	22-562	Arm bed	1
16	26-506	Adjusting stopper	2	37	26-532	Tape guide (left)	1
17	84-361	Screw	4	38	84-364	Screw	2
18	26-508	Bracket pin	2	39	26-531	Tape guide (right)	1
19	84-573	Screw	2	40	84-364	Screw	2
20	84-566	Screw	4	41	71-301	Pin	1
21	84-786	Screw	2	42	86-501	Nut	1
521P-A	20-640	Special binder bracket ass'y					
521P-B	20-658	Binder slide device ass'y					

22. (4) Gauge • Double puller (ゲージ・ダブルプーラー関係)

Gauge



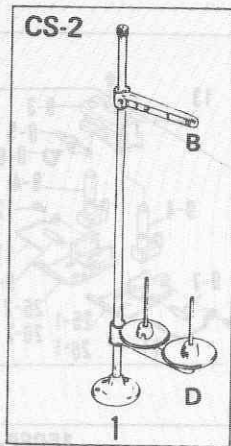
1508PR



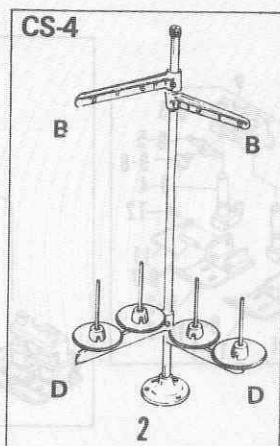
Ref. No.	Part No.	Part Name	Q'ty
1	11-401	Needle bar	1
2	12-581	Needle holder (1/4"-1"-1/4")	1 set
2-1		Needle clamp	1
2-2		Needle holder (1/4"-1"-1/4")	1
3	12-582	Needle holder (3/16"-1"-3/16")	1 set
3-1			
3-2		Needle holder (3/16"-1"-3/16")	1 set
4	14-581	Needle plate (1/4"-1"-1/4")	1
5	14-582	Needle plate (3/16"-1"-3/16")	1
6	15-581	Feed dog (1/4"-1"-1/4")	1
7	15-582	Feed dog (3/16"-1"-3/16")	1
8	84-464	Screw	2
9	17-581	Presser foot (1/4"-1"-1/4")	1 set
9-1	17-581	Presser foot, bottom (left)	1
9-2	17-581-2	Presser foot, bottom (right)	1
9-3	17-581-2	Presser foot, shank	1
9-4	17-581-3	Presser foot, yielding section	2
9-5	17-581-5	Presser foot, bottom lever	1
9-6	17-581-6	Screw	1
9-7	17-786-4	Hinge screw	2
10	17-582	Presser foot (3/16"-1"-3/16")	1 set
10-1	17-582-2	Presser foot, bottom (left)	1
10-2	17-582-2	Presser foot, bottom (right)	1
11	79-282	Needle guard bar	2
12	84-364	Screw	2
13	84-575	Screw	2
14	18-581	Needle guard (1/4" or 3/16")	1
15			
*16	84-368	Screw	1
*17	84-113	Screw	1
18	19-582	Looper front (1/4")	2
19	19-583	Looper front (3/16")	2
522P-A 00-205 Double puller ass'y			

Ref. No.	Part No.	Part Name	Q'ty
20	19-581	Looper rear (1/4" or 3/16")	2
21	14-588	Needle plate (1/4"-1"-1/4")	1
22	14-589	Needle plate (3/16"-1"-3/16")	1
23	15-588	Feed dog (1/4"-1"-1/4")	1
24	15-589	Feed dog (3/16"-1"-3/16")	1
25	17-588	Presser foot (1/4"-1"-1/4")	1 set
25-1	17-588-2	Presser foot, bottom (left)	1
25-2	17-588-2	Presser foot, bottom (right)	1
26	17-589	Presser foot (3/16"-1"-3/16")	1 set
26-1	17-589-2	Presser foot, bottom (left)	1
26-2	17-589-2	Presser foot, bottom (right)	1
27			
28	81-501	Bushing	1
29	02-235	Rear puller left	1
30	02-232	Rear puller stopper left	1
31	02-231	Rear puller right core	1
32	93-402	Snap ring	2
33	02-233	Rear puller stopper right	1
34	02-234	Rear puller, right	1
35	71-653	Shaft	1
36	84-521	Screw	3
37	84-114	Screw	2
38	79-456	Spring	2
39	14-058	Needle plate support	1
40	84-465	Screw	1
41	84-464	Screw	1
42	84-761	Screw	2
43	75-372	Washer	1
44	84-162	Screw	1
45	02-184	Rear puller	1
*46	02-151	Rear puller holder	1
47	21-561	Upper cloth plate	1

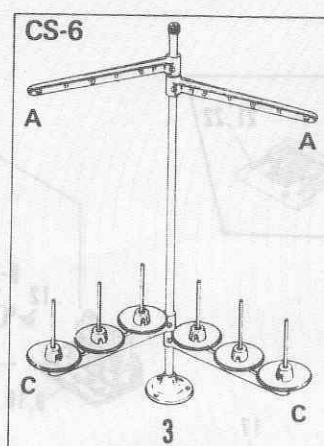
23. Thread stand (糸立て)



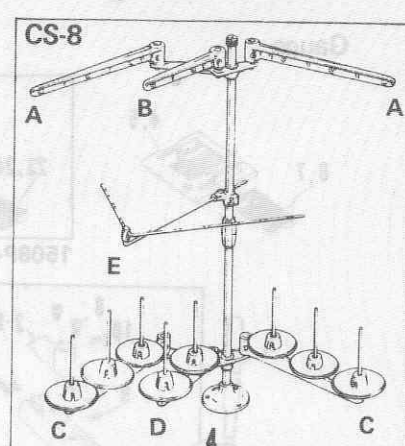
DLR-1501



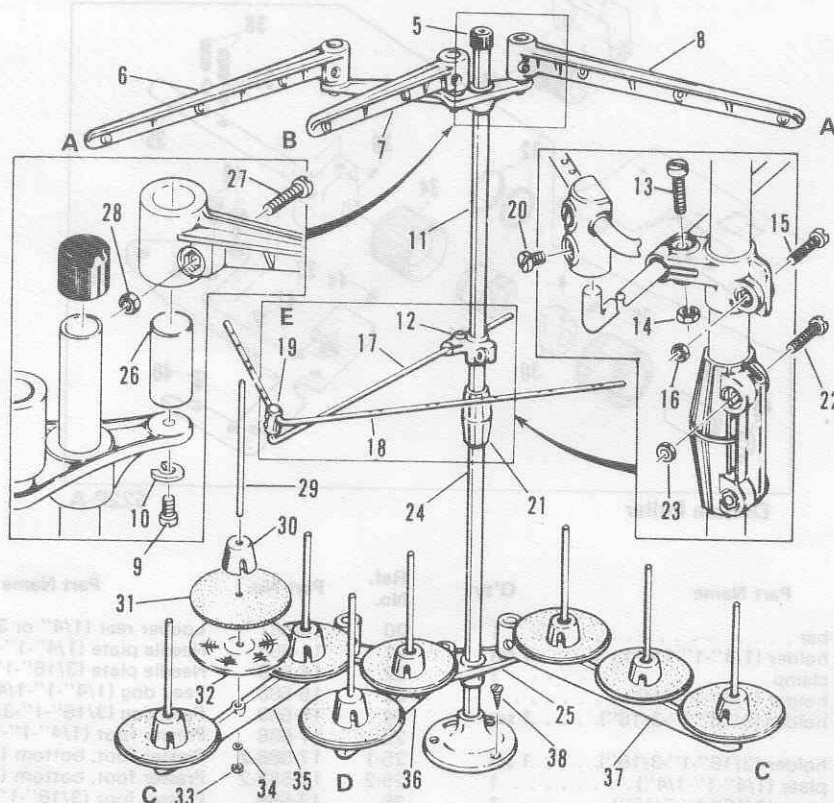
DLR-1502



DLR-1503
1507



DLR-1504
1508

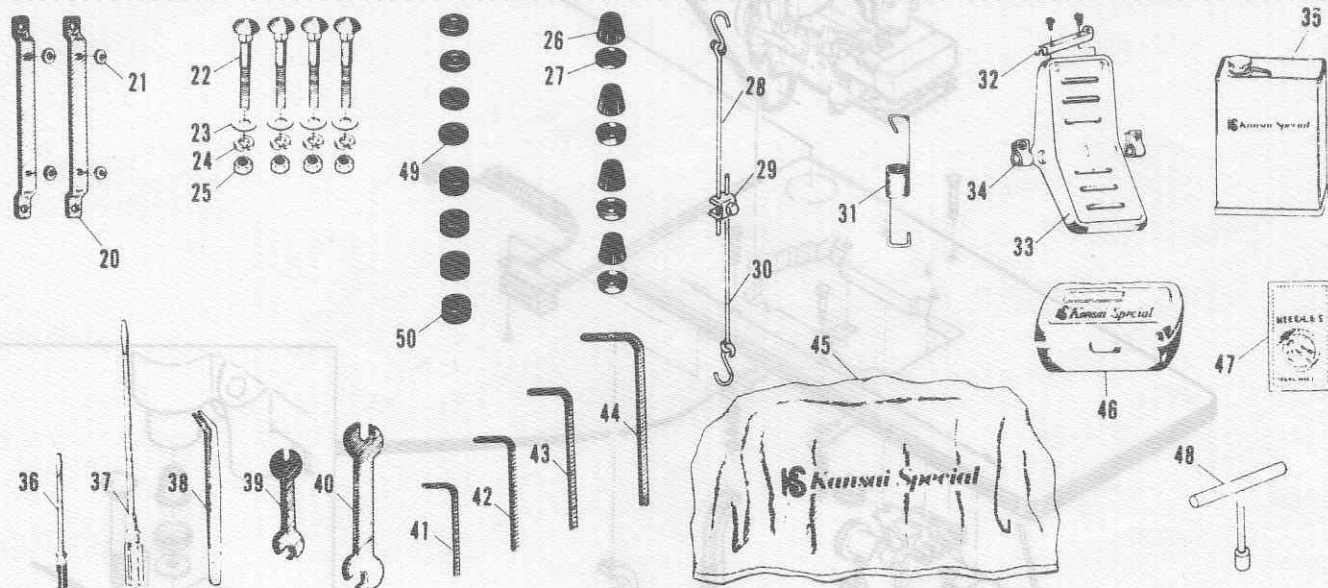
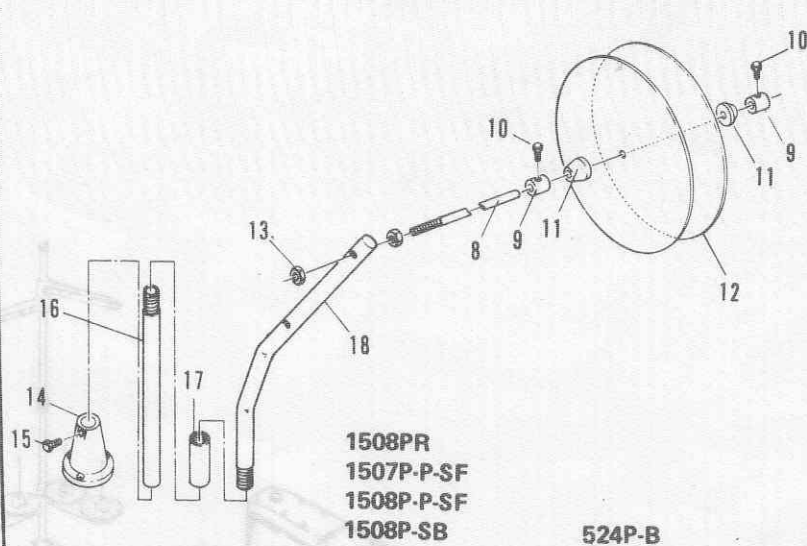
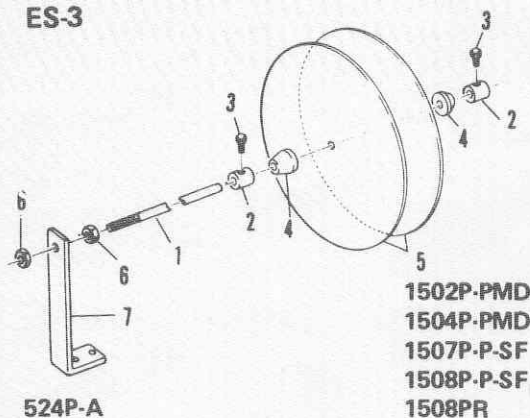


Ref. No.	Part No.	Part Name	Q'ty
1	42-002	Thread stand (2) CS-2	.1 set
2	42-004	Thread stand (4) CS-4	.1 set
3	42-006	Thread stand (6) CS-6	.1 set
4	42-008	Thread stand (8) CS-8	.1 set
5	42-120	Cap	1
6	42-116	Thread guide bracket (3)	
7		Thread guide bracket (2)	
8		Thread guide bracket (3)	
9		Screw	6
10		Washer	6
11	42-113	Bar (upper)	1
12		Shank	1
13		Screw	1
14		Nut	1
15		Screw	1
16		Nut	1
17		Thread eyelet guide arm bar	1
18		Thread eyelet guide	1
19		Joint	1
20		Screw	2

Ref. No.	Part No.	Part Name	Q'ty
21		Joint	1
22		Screw	2
23		Nut	2
24	42-112	Bar (low)	1
25		Base	2
26		Mounting bracket	6
27		Screw	
28		Nut	
29		Spool pin	
30		Spool retaining fin	
31	42-119	Spool mat	
32	42-123	Spool tray	
33		Nut	
34		Washer	
35	42-115	Spool pin bracket (3)	
36		Spool pin bracket (2)	
37	42-115	Spool pin bracket (3)	
38	42-122	Screw	3
39			
40			

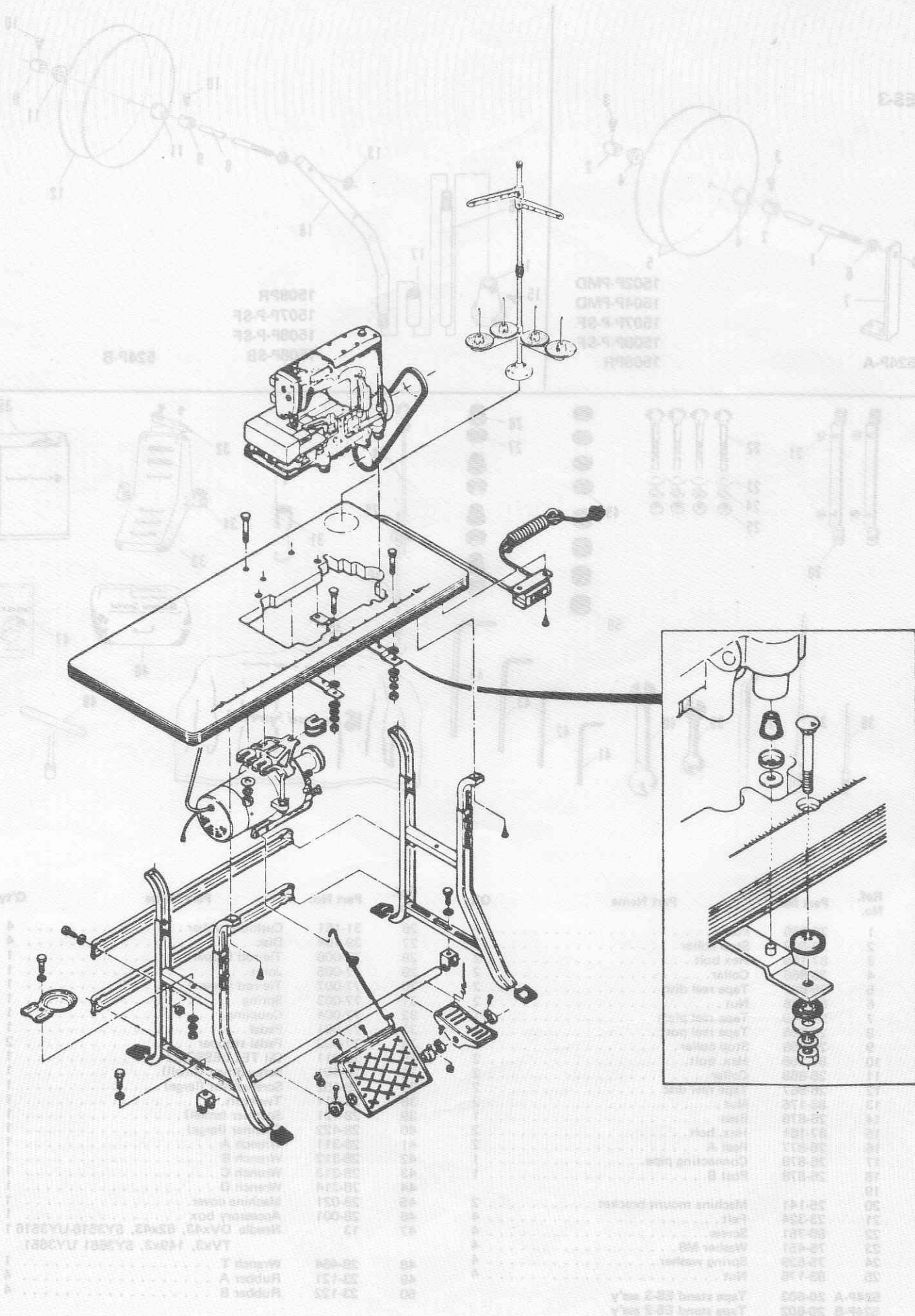
24. Tape stand • Accessories (テープ立て・アクセサリ)

ES-3



Ref. No.	Part No.	Part Name	Q'ty	Ref. No.	Part No.	Part Name	Q'ty
1	26-866	Post	1	26	31-161	Cushion rubber	4
2	26-869	Stop collar	2	27	39-104	Disc	4
3	87-156	Hex bolt	2	28	77-006	Tie-rod (upper)	1
4	26-868	Collar	2	29	77-005	Joint	1
5	26-867	Tape reel disc	2	30	77-007	Tie-rod (lower)	1
6	88-176	Nut	2	31	77-003	Spring	1
7	26-740	Tape reel plate	1	32	77-004	Coupling	1
8	26-866	Tape reel post	1	33	77-001	Pedal	1
9	26-869	Stop collar	2	34	77-002	Pedal stopper	2
10	87-156	Hex. bolt	2	35	28-611	Oil TELLESSO 33	1
11	26-868	Collar	2	36	28-451	Screwdriver (small)	1
12	26-867	Tape reel disc	2	37	28-452	Screwdriver (large)	1
13	88-176	Nut	2	38	28-011	Tweezers	1
14	26-876	Base	1	39	28-421	Spanner (small)	1
15	87-161	Hex. bolt	2	40	28-422	Spanner (large)	1
16	26-877	Post A	2	41	28-311	Wrench A	1
17	26-879	Connecting pipe	1	42	28-312	Wrench B	1
18	26-878	Post B	1	43	28-313	Wrench C	1
19				44	28-314	Wrench D	1
20	25-141	Machine mount bracket	2	45	28-021	Machine cover	1
21	23-324	Felt	4	46	28-001	Accessory box	1
22	80-751	Screw	4	47	13	Needle DVx43, 62x43, SY3516-UY3516 1 TVx3, 149x3, SY3651 UY3651	1
23	75-451	Washer M8	4	48	28-464	Wrench T	1
24	75-529	Spring washer	4	49	23-121	Rubber A	4
25	88-176	Nut	4	50	23-122	Rubber B	4
524P-A	20-603	Tape stand ES-3 ass'y					
524P-B	20-602	Tape stand ES-2 ass'y					

25. Table stand installation diagram (テーブルスタンド据付図)



Part No.	Q'ty	Page No.	Part No.	Q'ty	Page No.	Part No.	Q'ty	Page No.	Part No.	Q'ty	Page No.
01-111	1	14	12-514	1	12	17-517	1	13	19-583	2	28
-116	1	14	-515	1	12	-522	1	17			
-118	1	14	-516	1	13	-532	1	18	21-122	1	1
-121	1	14	-517	1	13	-541	1	22	-131	1	1
-124	2	14	-541	1	22	-553	1	20	-161	1	1
-131	1	14	-553	1	18	-570	1	24	-208	1	1
-134	1	14	-553	1	20	-571	1	24	-306	1	1
-136	2	14	-570	1	24	-572	1	24	-316	1	1
-138	2	14	-571	1	24	-573	1	24	-402	1	1
-141	1	14	-572	1	24	-574	1	24	-513	1	1
-143	1	14	-573	1	24	-581	1	28	-522	1	1
-145	1	14	-574	1	24	-581	1	28	-523	1	13
-146	1	14	-581	1	28	-582	1	28	-523	1	24
-147	1	14	-582	1	28	-588	1	28	-524	1	24
-152	1	14	13-	1	30	-589	1	28	-525	1	26
02-101	2	10	14-054	1	1	-592	1	24	-529	1	24
-101	2	14	-058	1	28	-593	1	24	-530	1	24
-111	1	10	-071	1	16	-594	1	24	-531	1	1
-112	1	10	-071	1	26	-595	1	24	-532	1	26
-112	1	26	-504	1	16	18-501	1	16	-538	1	16
-114	1	10	-510	1	12	-520	1	12	-551	1	1
-115	1	10	-511	1	12	-521	1	12	-553	1	13
-116	1	10	-512	1	12	-522	1	17	-553	1	24
-117	1	10	-513	1	12	-523	1	12	-554	1	24
-151	1	10	-514	1	12	-524	1	12	-555	1	24
-151	1	28	-515	1	12	-525	1	13	-556	1	24
-156	1	10	-516	1	13	-531	1	18	-558	1	26
-161	1	10	-517	1	13	-531	1	20	-559	1	26
-163	1	10	-522	1	17	-541	1	22	-561	1	28
-166	1	10	-532	1	18	-570	1	24	-562	1	26
-170	1	10	-541	1	22	-572	1	24	-571	1	16
-175	1	10	-553	1	20	-574	1	24	-701	1	1
-176	1	10	-570	1	24	-581	1	28	-711	1	1
-178	1	10	-571	1	24	19-304	1	24	22-551	1	1
-181	1	10	-572	1	24	-304	1	26	-561	1	22
-184	1	28	-573	1	24	-305	1	7	-561	1	25
-190	1	10	-574	1	24	-312	1	22	-562	1	27
-197	1	10	-581	1	28	-313	2	24	23-122	4	30
-206	1	10	-582	1	28	-314	1	7	-161	1	1
-208	1	10	-588	1	28	-315	1	16	-166	1	3
-231	1	28	-589	1	28	-316	1	18	-189	1	8
-232	1	28	15-504	1	16	-316	1	20	-195	1	3
-233	1	28	-510	1	12	-318	1	17	-195	1	3
-234	1	28	-511	1	12	-324	2	26	-195	1	5
-235	1	28	-512	1	12	-502	1	16	-197	1	5
-251	1	10	-513	1	12	-510	1	12	-197	1	6
-256	1	10	-514	1	12	-511	1	12	-200	1	10
-261	1	10	-515	1	12	-512	1	12	-206	1	1
-263	1	10	-516	1	13	-513	1	12	-207	1	1
-266	1	10	-517	1	13	-514	1	12	-217	1	1
-279	1	10	-522	1	17	-515	1	12	-223	1	1
-281	1	10	-532	1	18	-516	1	13	-232	1	1
-299	1	10	-541	1	22	-517	1	13	-260	2	1
-301	1	10	-553	1	20	-518	1	12	-260	1	5
			-570	1	24	-519	1	13	-263	1	1
11-401	1	28	-571	1	24	-521	1	17	-291	3	4
-402	1	22	-572	1	24	-522	1	17	-298	1	3
-501	1	12	-573	1	24	-531	1	18	-299	1	1
-502	1	12	-574	1	24	-531	1	20	-300	1	4
-502	1	13	-581	1	28	-535	1	18	-301	1	1
-503	1	24	-582	1	28	-535	1	20	-302	2	1
-504	1	16	-588	1	28	-536	1	18	-306	4	4
-510	1	12	-589	1	28	-536	1	20	-324	2	16
-511	1	12	17-504	1	16	-546	1	22	-324	4	2
-512	1	12	-510	1	12	-547	1	22	-324	6	18
-512	1	17	-511	1	12	-548	1	22	-324	6	20
-704	1	18	-512	1	12	-549	1	22	-324	8	22
-704	1	20	-513	1	12	-571	1	24	-324	8	25
12-510	1	12	-514	1	12	-572	1	24	-324	4	30
-510	1	17	-515	1	12	-581	2	28	-341	1	26
-513	1	12	-516	1	13	-582	2	28	-341	2	5

Part No.	Q'ty	Page No.	Part No.	Q'ty	Page No.	Part No.	Q'ty	Page No.	Part No.	Q'ty	Page No.
23-341	2	6	31-314	2	4	41-115	6	18	45-130	1	16
-341	1	14	-314	5	4	-115	6	20	-131	1	2
-368	1	14	-341	2	4	-115	8	22	-132	1	18
-372	1	3	-342	2	4	-115	8	25	-132	1	20
-383	1	3	-401	1	4	-117	4	2	-133	1	22
-383	1	3	-402	1	4	-117	2	16	-151	1	2
-391	3	6	-403	1	4	-117	6	18	-151	1	16
-391	1	6	-404	1	4	-117	6	20	-152	1	22
-393	1	4	-405	1	4	-117	8	22	-152	1	24
-393	1	6	-406	1	4	-117	8	25	-152	1	25
-402	1	1	-407	1	4	-121	1	2	-174	2	24
-411	1	1	-409	1	4	-121	1	16	-225	1	2
25-141	2	30	-410	1	5	-123	1	18	-225	1	16
-171	1	26	35-111	1	3	-123	1	20	-333	1	2
26-401	1	14	-121	1	4	-123	1	22	-333	1	5
-402	1	14	-199	1	7	-123	1	25	47-101	1	2
-403	2	14	-201	1	4	-131	4	2	-101	1	2
-406	4	14	-203	1	4	-131	2	16	-101	1	16
-407	4	14	-204	2	4	-131	6	18	-103	2	18
-408	2	14	-207	1	4	-131	6	20	-103	3	20
-501	1	27	-257	1	4	-131	8	22	-103	3	22
-502	1	27	-302	1	4	-131	8	25	-103	2	25
-503	1	27	-303	3	4	-132	1	16	-121	1	18
-504	1	27	-304	1	4	-132	1	18	-121	1	20
-505	1	27	-322	1	4	-132	1	20	-121	1	22
-506	2	27	39-102	1	4	-172	4	2	-121	1	24
-507	1	27	-104	4	30	-172	1	16	-121	1	25
-508	2	27	-107	1	5	-172	6	18	-127	1	18
-509	1	27	-108	1	1	-172	6	20	-127	1	20
-512	1	27	-122	1	3	-172	8	22	-127	1	22
-531	1	27	-133	1	4	-172	8	25	-127	1	25
-532	1	27	-137	1	4	-701	2	2	-128	1	18
-712	1	27	-161	1	1	-701	1	16	-128	1	20
-726	1	27	-162	1	4	-701	3	18	-128	1	22
-731	1	27	-163	2	1	-701	3	20	-128	1	25
-732	1	27	-213	1	1	-701	4	22	-131	1	2
-733	1	27	-233	1	4	-701	4	25	-132	1	2
-736	1	27	-233	1	4	-702	2	2	49-133	1	6
-740	1	30				-702	1	16			
-866	1	30	41-101	4	2	-702	3	18	55-041	1	6
-866	1	30	-101	2	16	-702	3	20	-051	1	6
-867	2	30	-101	6	18	-702	4	22	-061	1	10
-867	2	30	-101	6	20	-702	4	25	-154	1	22
-868	2	30	-101	8	22	42-002	1	29	-155	1	6
-868	2	30	-101	8	25	-004	1	29			
-869	2	30	-105	4	2	-006	1	29	61-201	1	10
-869	2	30	-105	2	16	-008	1	29	-312	2	6
-876	1	30	-105	6	18	-112	1	29	-312	1	26
-877	2	30	-105	6	20	-113	1	29	-322	1	16
-878	1	30	-105	8	22	-115	3	29	-322	1	16
-879	1	30	-105	8	25	-115	1	29	-322	1	17
28-001	1	30	-107	4	2	-116	1	29	-322	1	17
-011	1	30	-107	2	16	-119	1	29	-322	1	20
-011	1	30	-107	6	18	-120	1	29	-322	1	20
-021	1	30	-107	6	20	-122	3	29	-322	1	22
-311	1	30	-107	8	22	-123	1	29	-322	1	22
-312	1	30	-107	8	25	43-112	1	2	-512	1	5
-313	1	30	-111	8	2	-331	1	2	-713	1	5
-314	1	30	-111	4	16	-339	1	2	-714	1	10
-421	1	30	-111	12	18	45-100	1	16	-722	1	5
-422	1	30	-111	12	20	-100	1	16	-810	1	10
-451	1	30	-111	16	22	-101	2	2	-813	1	24
-464	1	30	-111	16	25	-103	2	18	-821	1	14
-611	1	30	-113	1	2	-103	2	20	-823	1	7
			-113	1	16	-103	2	22	-823	2	7
31-161	4	30	-113	1	18	-103	1	25	-823	1	26
-203	1	1	-113	1	20	-118	1	20	-824	1	26
-305	1	4	-113	1	22	-118	1	18	63-201	1	10
-306	1	4	-113	1	25	-120	1	16	-232	2	6
-307	1	4	-115	4	2	-121	1	2	-232	1	26
-310	1	4	-115	2	16	-123	1	22	-331	1	5

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-353	1	6	-454	1	7	-452	2	14	-181	1	22
-511	1	5	-466	6	10	-453	1	1	-181	1	25
-711	1	10	-466	6	14	-453	1	6	-182	1	22
-721	1	5	-472	1	10	-453	1	7	-182	1	25
-810	1	10	-482	1	4	-453	1	8	-183	1	3
-811	1	24	-523	1	14	-453	2	10	-184	1	3
-811	1	26	-531	1	6	-453	2	24	-255	1	3
-812	1	7	-542	1	8	-453	1	24	-321	1	10
-812	1	14	-561	1	7	-453	2	26	-322	1	10
-812	1	24	-612	1	5	-454	3	1	-323	1	10
-821	1	7	-636	1	10	-454	3	26	-401	1	7
65-302	1	10	-642	1	6	-456	1	2	-412	1	5
-311	2	5	-651	1	10	-456	2	2	-501	1	28
-334	1	14	-653	1	28	-456	1	16	-702	1	3
-401	1	7	-691	1	10	-456	1	18	-711	1	3
-433	1	24	-753	1	6	-456	1	20	-713	1	3
-433	1	26	-753	1	10	-456	1	22	-736	2	3
-434	1	24	-851	1	16	-467	3	1	-751	2	3
-434	1	26	-851	1	17	-467	3	4	84-112	1	16
-902	1	7	-851	1	20	-468	3	4	-113	1	12
66-111	1	5	-851	1	20	-469	1	1	-113	1	13
-131	1	14	-851	1	22	-470	1	4	-113	1	20
-516	1	24	-851	1	26	-491	1	10	-113	1	22
-517	1	24	-854	1	24	-529	4	30	-113	1	24
-518	1	24	-857	1	5	77-001	1	30	-113	1	28
-519	1	24	-901	1	7	-002	2	30	-114	2	28
-519	1	26	-921	1	10	-003	1	30	-161	1	2
-520	1	24	-933	1	5	-004	1	30	-161	2	3
-521	1	26	-951	1	26	-005	1	30	-161	1	4
-526	1	24	73-113	1	5	-006	1	30	-162	2	1
-527	1	24	-121	1	22	-007	1	30	-162	2	2
-528	1	24	-121	1	25	-101	1	8	-162	6	10
-529	1	24	75-112	1	5	-103	1	8	-162	3	14
-529	1	26	-113	1	10	-107	1	8	-162	3	14
-530	1	24	-114	1	6	-109	1	8	-162	2	14
-531	1	26	-132	2	6	-111	1	8	-162	1	24
67-132	1	7	-139	1	7	-114	1	8	-162	1	28
-133	1	26	-152	1	14	-116	1	8	-163	1	2
-171	1	10	-154	1	8	-121	1	8	-163	2	2
-172	1	10	-211	1	10	-131	1	8	-163	2	18
-181	1	14	-243	1	6	-133	1	8	-163	2	20
-222	1	7	-247	2	10	-135	1	8	-163	2	22
-223	1	22	-247	2	24	-136	1	8	-163	2	25
-223	1	24	-247	2	26	-143	1	8	-164	1	7
-223	1	26	-326	1	7	79-121	1	8	-164	1	18
-311	1	6	-327	1	7	-126	1	10	-164	1	20
-501	1	26	-331	1	5	-191	12	10	-164	1	22
69-105	1	5	-332	1	5	-191	12	14	-164	1	24
-117	1	22	-332	1	10	-194	1	14	-164	1	25
-117	1	25	-366	1	10	-222	1	8	-164	1	26
-121	1	5	-367	2	14	-236	1	4	-167	2	20
-208	1	5	-371	1	7	-251	1	27	-176	1	6
-305	1	5	-371	1	7	-282	2	28	-176	1	6
71-191	2	2	-372	1	6	-456	2	28	-311	3	18
-201	1	7	-372	1	10	-457	1	26	-311	3	20
-206	1	12	-372	1	28	-508	1	26	-312	4	14
-206	1	13	-381	1	6	-511	1	27	-361	1	1
-216	1	16	-381	1	10	-521	1	26	-361	2	1
-251	4	1	-381	1	10	-551	1	10	-361	1	2
-251	2	16	-381	1	16	-601	1	7	-361	1	2
-251	2	26	-381	1	18	80-751	4	30	-361	1	4
-301	1	27	-381	1	20	81-108	1	3	-361	1	7
-322	1	7	-381	2	24	-109	1	3	-361	2	14
-361	2	14	-381	1	26	-110	1	3	-361	1	16
-362	1	14	-401	1	7	-113	1	5	-361	1	16
-431	2	6	-446	1	14	-114	1	3	-361	3	22
-431	1	26	-451	4	30	-133	1	3	-361	2	26
-432	2	5	-452	4	1	-136	1	3	-361	4	27
-432	1	6	-452	1	7	-137	1	3	-361	2	27
			-452	1	10						

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-362	3	4	-562	1	10	-661	4	6	-411	5	18
-362	4	8	-563	2	5	-664	10	1	-411	6	22
-362	3	18	-563	1	8	-711	2	6	-411	1	24
-362	1	27	-563	2	10	-712	1	6	-411	1	26
-363	3	4	-563	1	27	-712	1	12	-411	2	27
-363	1	16	-564	2	22	-712	2	13	-411	2	2
-363	1	18	-564	1	25	-712	2	14	-411	1	7
-363	1	20	-564	2	25	-712	2	17	-411	1	7
-363	1	22	-566	6	1	-715	4	6	-411	1	7
-363	1	22	-566	6	1	-715	2	24	-411	6	25
-363	2	22	-566	4	4	-716	1	26	-412	1	6
-363	1	25	-566	2	8	-717	1	12	-412	1	7
-364	2	24	-566	3	5	-717	1	13	-412	1	14
-364	1	26	-566	1	10	-717	1	17	-412	1	24
-364	2	27	-566	1	10	-717	1	24	-412	1	26
-364	2	27	-566	2	14	-718	2	5	-501	1	3
-364	2	28	-566	4	27	-718	4	10	-501	1	6
-365	1	22	-566	1	27	-719	1	10	-501	1	7
-365	1	25	-567	2	5	-761	1	1	-501	1	10
-366	1	5	-567	2	10	-761	3	1	-501	1	10
-366	1	5	-568	2	5	-761	2	6	-501	1	14
-366	1	6	-571	2	1	-761	2	7	-501	2	24
-366	1	6	-571	2	1	-767	3	16	-501	2	26
-366	1	7	-571	2	2	-761	1	28	-501	1	27
-366	1	26	-571	2	2	-762	2	10	-701	1	14
-368	1	12	-571	4	4	-762	2	27	-741	1	10
-368	1	13	-571	1	5	-764	1	8	-742	1	10
-368	1	20	-571	2	6	-764	1	16	-761	1	10
-368	1	22	-571	2	14	-764	1	18	-851	1	8
-368	1	24	-571	1	16	-764	1	20	87-156	2	30
-368	1	28	-571	7	16	-766	1	7	-156	2	30
-374	1	2	-571	1	27	-766	1	24	-161	2	30
-374	1	2	-571	2	27	-766	1	26	-456	1	11
-374	1	2	-572	3	4	-767	1	7	-751	1	10
-376	1	20	-572	2	7	-767	1	24	-756	2	1
-382	1	12	-572	2	7	-781	1	8	-810	1	1
-382	1	13	-572	2	10	-786	2	27	-811	1	3
-382	1	16	-572	2	14	-812	1	8	-812	1	3
-382	1	17	-572	1	22	-813	2	14	88-176	2	30
-382	2	18	-572	2	24	-814	1	10	-176	4	30
-382	1	20	-573	2	27	-815	1	26	-176	2	30
-382	1	22	-574	3	1	-861	2	1	-456	1	14
-383	1	6	-574	1	6	-861	3	26	-541	1	10
-462	2	10	-575	2	12	-862	3	1			
-463	1	6	-575	2	13	-862	2	26	91-011	28	5
-463	3	10	-575	2	28	85-113	6	5	-156	1	10
-464	2	2	-576	1	6	-114	2	5	-271	1	6
-464	2	16	-576	1	6	-114	2	5	-406	1	26
-464	2	16	-581	1	8	-181	2	27	-406	2	6
-464	2	22	-582	1	10	-182	1	5	92-231	1	5
-464	2	24	-583	1	24	-191	1	10	-231	1	7
-464	2	26	-583	1	26	-192	1	26	93-200	1	14
-464	1	28	-584	1	10	-211	1	7	-201	2	7
-464	2	28	-585	3	1	-212	2	5	-221	1	10
-464	1	28	-585	3	26	-531	1	16	-251	1	10
-511	2	6	-586	2	5	-531	1	2	-402	2	28
-511	1	8	-588	1	6	-531	1	4	-406	2	6
-511	2	14	-588	1	22	-611	1	1	-406	1	26
-512	1	8	-591	1	5	-611	1	26	-611	2	8
-512	1	10	-596	1	27	-624	1	6	-621	3	3
-521	1	1	-596	1	27	-627	2	1			
-521	1	2	-611	1	10	-628	2	1			
-521	2	4	-612	2	6	-671	1	10			
-521	2	7	-612	1	7	-681	2	14			
-521	1	16	-616	2	7	-761	1	8			
-521	1	20	-616	1	16	86-312	1	10			
-521	1	20	-616	2	18	-312	2	24			
-521	3	28	-616	2	20	-312	2	26			
-561	1	8	-616	3	22	-314	1	7			
-561	1	8	-616	2	25	-411	1	10			

Model 機種	Needle bar 針棒	Needle holder 針株	Needle plate 針板	Feed dog 送り歯	Presser foot 押え	Looper ルーパー			Looper holder ルーパー台
1501P-HD-C	11-504		14-504	15-504	17-504	19-502			19-315
1502P 1/8"	11-510	12-510	14-510	15-510	17-510	19-510(front)	19-518(rear)		19-314
3/16"	11-511	12-510	14-511	15-511	17-511	19-511(front)	19-518(rear)		19-314
1/4"	11-512	12-510	14-512	15-512	17-512	19-512(front)	19-518(rear)		19-314
5/16"	11-501	12-513	14-513	15-513	17-513	19-513(front)	19-518(rear)		19-314
3/8"	11-502	12-514	14-514	15-514	17-514	19-514(front)	19-518(rear)		19-314
1/2"	11-502	12-515	14-515	15-515	17-515	19-515(front)	19-518(rear)		19-314
5/8"	11-502	12-516	14-516	15-516	17-516	19-516(front)	19-519(rear)		19-314
3/4"	11-502	12-517	14-517	15-517	17-517	19-517(front)	19-519(rear)		19-314
1502PMD3/16"	11-511	12-510	14-511	15-511	17-511	19-511(front)	19-518(rear)		19-314
1/4"	11-512	12-510	14-512	15-512	17-512	19-512(front)	19-518(rear)		19-314
3/8"	11-502	12-514	14-514	15-514	17-514	19-514(front)	19-518(rear)		19-314
1502PHD 1/4"	11-512	12-510	14-522	15-522	17-522	19-521(front)	19-522(rear)		19-318
1503P 1/4"	11-704	12-553	14-532	15-532	17-532	19-531(front)	19-535(middle)	19-536(rear)	19-316
1503P-TF 1/4"	11-704	12-553	14-553	15-553	17-553	19-531(front)	19-535(middle)	19-536(rear)	19-316
1504P 1"	11-402	12-541	14-541	15-541	17-541	19-546, 19-547, 19-548, 19-549			19-312
1507P 7/8"	11-503	12-570	14-570	15-570	17-570	19-571(left)	19-572(right)		19-313
1"	11-503	12-571	14-571	15-571	17-571	19-571(left)	19-572(right)		19-313
1 1/8"	11-503	12-572	14-572	15-572	17-572	19-571(left)	19-572(right)		19-313
1 1/4"	11-503	12-573	14-573	15-573	17-573	19-571(left)	19-572(right)		19-313
1 1/2"	11-503	12-574	14-574	15-574	17-574	19-571(left)	19-572(right)		19-313
1507P-SF 7/8"	11-503	12-570	14-570	15-570	17-570	19-571(left)	19-572(right)		19-313
1"	11-503	12-571	14-571	15-571	17-571	19-571(left)	19-572(right)		19-313
1 1/8"	11-503	12-572	14-572	15-572	17-572	19-571(left)	19-572(right)		19-313
1 1/4"	11-503	12-573	14-573	15-573	17-573	19-571(left)	19-572(right)		19-313
1 1/2"	11-503	12-574	14-574	15-574	17-574	19-571(left)	19-572(right)		19-313
1508P-P-SB (1/4"-1"-1 1/4")	11-401	12-581	14-581	15-581	17-581	19-582(front)	19-581(rear)		19-324
(3/16"-1"-3/16")	11-401	12-582	14-582	15-582	17-582	19-583(front)	19-581(rear)		19-324
1508P-SF (1/4"-1"-1 1/4")	11-401	12-581	14-588	15-588	17-588	19-582(front)	19-581(rear)		19-324
(3/16"-1"-3/16")	11-401	12-582	14-589	15-589	17-589	19-583(front)	19-581(rear)		19-324
1508PR (1/4"-1"-1 1/4")	11-401	12-581	14-581	15-581	17-581	19-582(front)	19-581(rear)		19-324
(3/16"-1"-3/16")	11-401	12-582	14-582	15-582	17-582	19-538(front)	19-581(rear)		19-324

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Needle guard 針受け	Cloth plate 上ベース カバー	Slide plate 差板	Needle plate support 針板土台	Needle bar connection 針棒抱き	Crank shaft クランク シャフト	Feed rocker 送り土台	Feed eccentric 送りエキセン	Looper avoid eccentric 針返し エキセン	Looper driving lever ルーパー 振り元レバー	Rear puller gear (upper) 後プーラー 上ギヤー
18-501	21-571	21-538	14-071	73-113	71-851(5H)	55-153	61-322(0.9mm)	61-322(0.9mm)	67-222	02-170(15teeth)
18-520	21-551	21-522	14-054	73-113	71-857(5L)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-222	02-279(18teeth)
18-520	21-551	21-522	14-054	73-113	71-857(5L)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-222	02-279(18teeth)
18-521	21-551	21-522	14-054	73-113	71-857(5L)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-222	02-279(18teeth)
18-521	21-551	21-522	14-054	73-113	71-857(5L)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-222	02-279(18teeth)
18-523	21-551	21-522	14-054	73-113	71-857(5L)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-222	02-279(18teeth)
18-524	21-551	21-522	14-054	73-113	71-857(5L)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-222	02-279(18teeth)
18-525	21-553	21-523	14-054	73-113	71-857(5L)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-222	02-176(18teeth)
18-525	21-553	21-523	14-054	73-113	71-857(5L)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-222	02-176(18teeth)
18-520	21-551	21-522	14-054	73-113	71-857(5L)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-222	02-279(18teeth)
18-521	21-551	21-522	14-054	73-113	71-857(5L)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-222	02-279(18teeth)
18-523	21-551	21-522	14-054	73-113	71-857(5L)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-222	02-279(18teeth)
18-522	21-551	21-522	14-054	73-113	71-851(5H)	55-155	61-322(0.9mm)	61-322(0.9mm)	67-222	02-281(60teeth)
18-531	21-551	21-522	14-054	73-113	71-857(5L)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-222	02-279(18teeth)
18-531	21-551	21-522	14-054	73-113	71-851(5H)	55-155	61-322(0.9mm)	61-322(0.9mm)	67-222	02-281(60teeth)
18-541	21-553	21-523	14-054	73-121	71-851(5H)	55-154	61-322(0.9mm)	61-322(0.9mm)	67-223	02-178(28teeth)
18-570	21-553	21-523	14-054	73-113	71-854(5M)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-223	02-181(smooth)
18-570	21-553	21-523	14-054	73-113	71-854(5M)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-223	02-181(smooth)
18-572	21-554	21-524	14-054	73-113	71-854(5M)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-223	02-181(smooth)
18-573	21-555	21-529	14-054	73-113	71-854(5M)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-223	02-181(smooth)
18-574	21-556	21-530	14-054	73-113	71-854(5M)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-223	02-181(smooth)
18-570	21-553	21-523	14-054	73-113	71-854(5M)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-223	02-181(smooth)
18-570	21-553	21-523	14-054	73-113	71-854(5M)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-223	02-181(smooth)
18-572	21-554	21-524	14-054	73-113	71-854(5M)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-223	02-181(smooth)
18-573	21-555	21-529	14-054	73-113	71-854(5M)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-223	02-181(smooth)
18-574	21-556	21-530	14-054	73-113	71-854(5M)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-223	02-181(smooth)
18-581	21-558	21-525	14-071	73-121	71-851(5H)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-223	02-175(60teeth)
18-581	21-558	21-525	14-071	73-121	71-851(5H)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-223	02-175(60teeth)
18-581	21-558	21-525	14-071	73-121	71-851(5H)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-223	02-175(60teeth)
18-581	21-558	21-525	14-071	73-121	71-851(5H)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-223	02-175(60teeth)
18-581	21-561	21-525	14-058	73-121	71-851(5H)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-223	02-184(rollet)
180581	21-561	21-525	14-058	73-121	71-851(5H)	55-155	61-312(0.8mm)	61-312(0.8mm)	67-223	02-184(rollet)

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