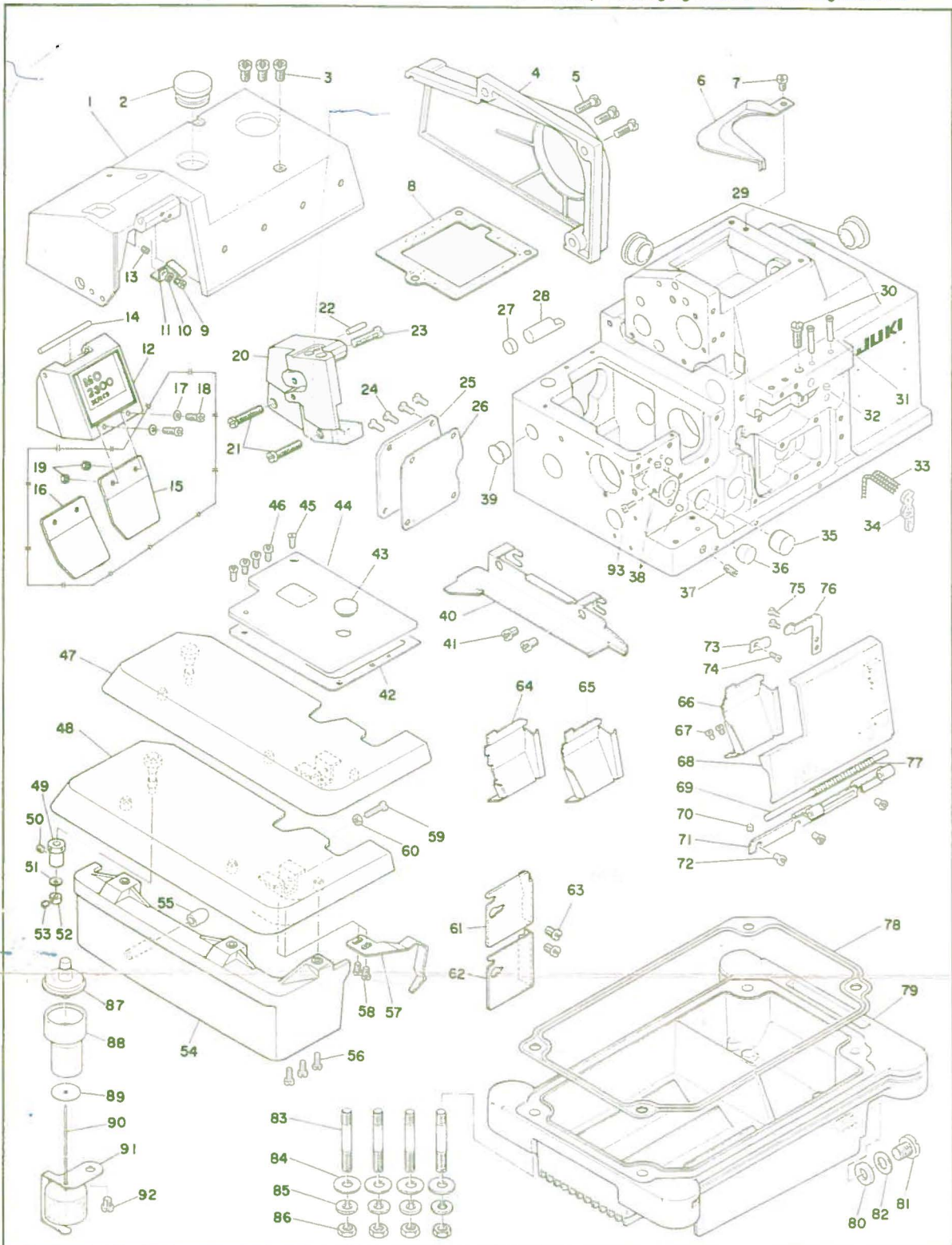


model **MO-2304-0D4**
Single Needle, Overedging Industrial Sewing Machine

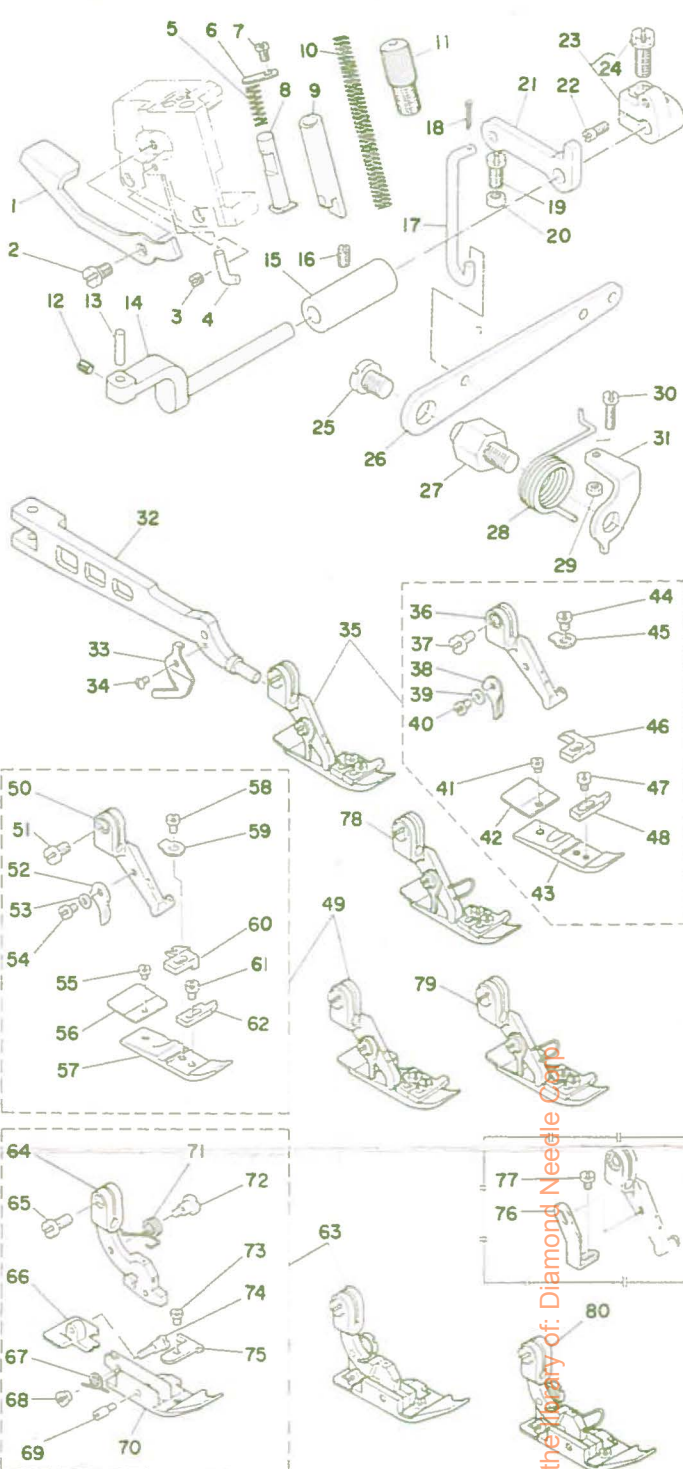
model **MO-2314-BD4**
Two-Needle, Overedging Industrial Sewing Machine

model **MO-2316-DD4**
Safety Stitch Industrial Sewing Machine

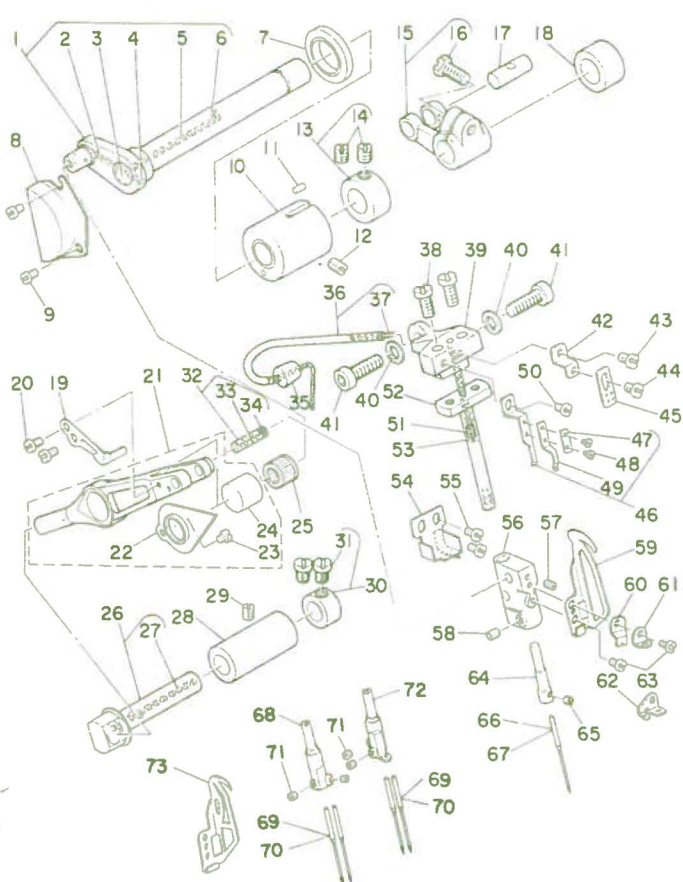
BE230430PJA



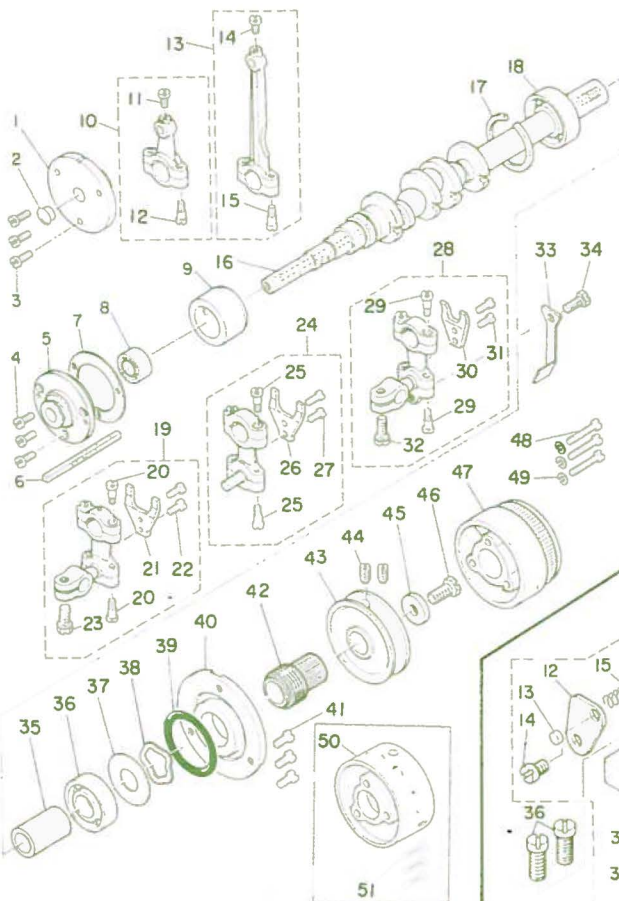
2. PRESSER FOOT COMPONENTS



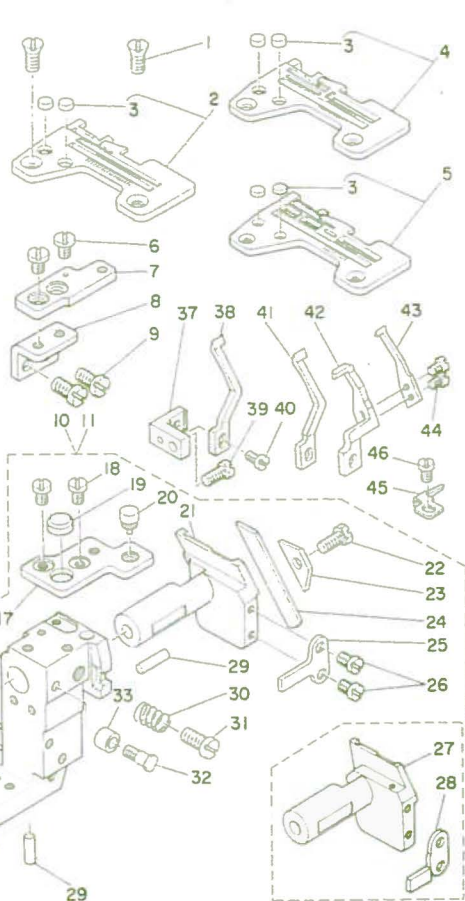
3. NEEDLE DRIVING SHAFT COMPONENTS



4. CRANKSHAFT COMPONENTS



5. LOWER KNIFE COMPONENTS



From the library of: Diamond Needle Corp.

Ref. No.	Note	Part No.	Description	E.C.	Amt. Req.
1. FRAME COMPONENTS					
1		118-03608	Upper cover		1
2		TA-2050805-R0	Rubber plug		1
3		SS-4121015-SP	Screw 3/16-28 L=10		3
4		118-04101	Belt cover		1
5		SS-4151415-SP	Screw 15/64-28 L=14		3
6		118-42408	Oil guard plate		1
7		SS-6110610-TP	Screw 11/64-40 L=6		1
8		118-00505	Upper cover gasket		1
9		SS-7090510-SP	Screw 9/64-40 L=4.6		1
10		WP-0370316-SD	Washer 3.7 x 8 x 0.3		1
11		118-00901	Face plate cover spring		1
12		118-09951	Face plate cover asm.		1
13		SS-8090410-SP	Screw 9/64-40 L=3.5		1
14		118-00802	Face plate cover pin		1
15	001	118-01008	Safety plate		1
16	002	118-01107	Safety plate		1
17	003	WP-0370316-SD	Washer 3.7 x 8 x 0.3		2
18	003	SS-4090815-SP	Screw 9/64-40 L=8		2
19	003	NS-6090310-SP	Nut 9/64-40		2
20		118-00307	Side cover		1
21		SS-6122510-SP	Screw 3/16-28 L=25		2
22		PS-0400182-K0	Spring pin 4.0 x 18		1
23		SS-6122030-SP	Screw 3/16-28 L=20		1
24		SS-4110715-SP	Screw 11/64-40 L=7		4
25		118-04200	Cover		1
26		118-04309	Gasket		1
27		118-14704	Filter		1
28		118-14506	Bushing		1
29		TA-2050805-R0	Rubber plug		2
30		SS-9151210-TP	Screw 15/64-28 L=11.8		1
31		118-05207	Thread guide, large		2
32		TA-0750404-R0	Plug D=7.5 L=3.5		1
33		CO-2020000-00	Oil wick		0.1
34		118-41608	Upper looper guide oil felt		1
35	004	TA-1871602-R0	Rubber plug		1
36		TA-1550902-R0	Plug		1
37		SS-8681130-SP	Screw 9/32-28 L=11		1
38		TA-0370301-M0	Plug D=3.9 x 4 L=3		3
39		TA-1120804-R0	Rubber plug		1
40		118-01701	Cloth plate side cover		1
41		SS-4120615-SP	Screw 3/16-28 L=6		2
42		118-02600	Gasket		1
43		TA-1250406-R0	Rubber plug	D.10/84	1
44		TA-2050406-R0	Rubber plug	A.10/84	1
45		118-10108	Feed mechanism cover		1
46		SS-1090930-SP	Screw 9/64-40 L=8.6		1
47		SS-4090815-SP	Screw 9/64-40 L=8		4
48	005	118-01255	Cloth plate asm.		1
49		118-01354	Cloth plate asm.		1
50		115-01301	Eccentric bushing		1
51		SS-8110422-TP	Screw 11/64-40 L=4		1
52		WZ-0420350-KP	Disc spring		1
53		CS-0400511-SD	Thrust collar D=4 W=5		1
54		SS-8080322-TP	Screw 1/8-44 L=3.2		1
55		118-01503	Cloth plate cover		1
56		118-02204	Rubber plug		1
57		SS-4091015-SP	Screw 9/64-40 L=10		3
58		118-10207	Stopper		1
59		SS-7110510-SP	Screw 11/64-40 L=5		2
60		SS-6111740-SP	Screw 11/64-40 L=17		1
61	004	NS-6110420-SP	Nut 11/64-40		1
62		118-03905	Chip guard cover, left		1
63		118-04002	Chip guard cover, left		1
64		SS-7110510-SP	Screw 11/64-40 L=5		2
65	006	118-67306	Chip guard cover		1
66	007	118-88906	Chip guard cover		1
67	008	118-88807	Chip guard cover		1
68		SS-3090610-SP	Screw 9/64-40 L=6		2
69		118-02808	Looper cover		1
70		118-03004	Looper cover hinge pin		1
71		SS-8110422-TP	Screw 11/64-40 L=4		1
72		118-02907	Looper cover bracket		1
73		SS-4110715-SP	Screw 11/64-40 L=7		3
74		118-03400	Looper cover presser spring		1
75		SS-7110720-SP	Screw 11/64-40 L=7		1
76		SS-7090530-SP	Screw 9/64-40 L=4.5		2
77		118-03301	Looper cover presser plate		1
78		B1140-716-000	Spring		1
79		115-03901	Oil reservoir gasket		1
80		115-03802	Oil reservoir		1
81	009	B8219-125-000	Oil drain cap gasket	D.12/83	1
82	009	118-10306	Oil drain cap gasket	A.12/83	1
83		SS-6741010-SP	Screw 3/8-28 L=10		1
84		WP-0370316-SD	Washer 3.7 x 8 x 0.3		4
85		115-03703	Screw stud		4
86		WP-0751576-SD	Washer 7.5 x 19 x 1.5		4
87		NS-0822010-KP	Spring washer 8.2 x 15 x 2		4
88		NS-6680410-SP	Nut 9/32-28		4
89		118-40808	Oil gauge		1
90		118-40907	Oil gauge holder		1
91		118-41905	Washer		1
92		118-41053	Float asm.		1
93		118-41202	Float support		1
94		SS-4150715-SP	Screw 15/64-28 L=7		1
95		SS-7150740-SP	Screw 15/64-28 L=7		1

Ref. No.	Note	Part No.	Description	E.C.	Amt. Req.
2. PRESSER FOOT COMPONENTS					
1		118-20404	Presser foot lifting lever		1
2		SD-0630271-SP	Hinge screw D=6.35 H=2.7		1
3		SS-8110422-TP	Screw 11/64-40 L=4		1
4		118-20602	Stopper		1
5		118-20909	Spring		1
6		118-20503	Washer		1
7		SS-6110610-TP	Screw 11/64-40 L=6		1
8		118-20305	Presser foot lifting bar		1
9		118-20156	Presser bar asm.		1
10		B1515-804-000-A	Presser spring	D.10/83	1
11		B1515-804-008	Presser spring	A.10/83	1
12		118-20206	Presser spring regulator		1
13		SS-8110510-SP	Screw 11/64-40 L=5		1
14		B1534-804-000	Presser foot arm hinge shaft		1
15		115-21002	Presser foot shaft		1
16		115-21101	Bushing		1
17		SS-8120740-SP	Screw 3/16-28 L=7		1
18		118-19406	Lifting hook		1
19		PD-0201000-0D	Split pin 2 x 10		1
20		SS-6121240-SP	Screw 3/16-28 L=12		1
21		NS-6120310-SP	Nut 3/16-28		1
22		118-19505	Lifting arm		1
23		B1536-804-000	Pin		1
24		B1535-804-0A0	Presser foot shaft thrust arm asm.		1
25		SS-9151210-TP	Screw 15/64-28 L=11.8		(1)
26		SS-7161040-SP	Screw 1/4-24 L=9.5		1
27		118-19307	Lifting lever		1
28		118-19109	Lifting lever screw		1
29		118-19208	Lifting lever spring		1
30		NS-6110310-SP	Nut 11/64-40		1

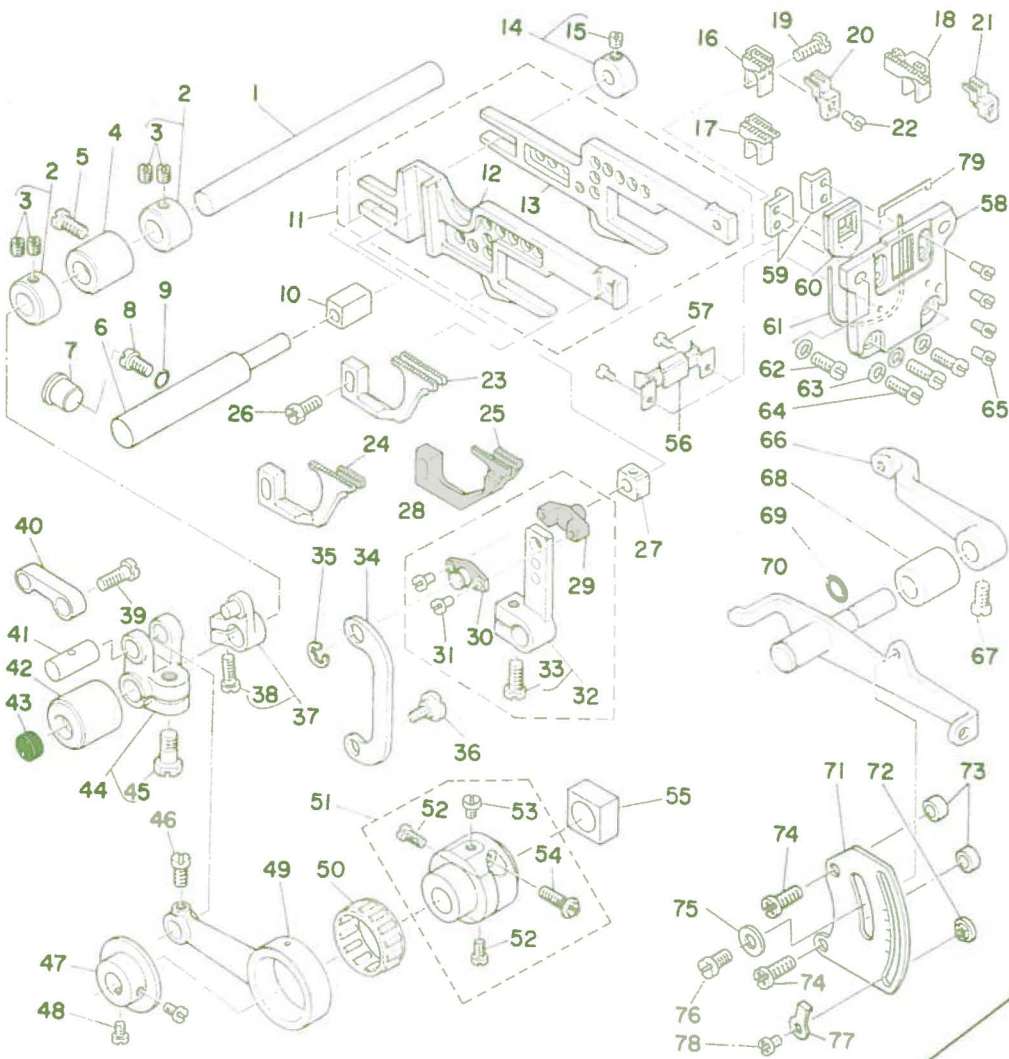
Note 001 Special order part for MO-2304, MO-2314
002 Special order part for MO-2316
003 Special order part
004 For MO-2304, MO-2314
005 For MO-2316 (special order part)
006 For MO-2316

Ref. No.	Note	Part No.	Description	E.C.	Amt. Req.
30		SS-7111410-SP	Screw 11/64-40 L=14		1
31		B1529-804-000	Presser foot lifting lever stopper		1
32		118-19604	Presser foot arm		1
33		B1528-804-000-A	Thread trimmer		1
34		SS-5060410-SP	Screw 3/32-56 L=3.5		1
35	008	118-76158	Presser foot asm.		1
36	008	118-72009	Presser foot hinge		(1)
37	008	SS-6090650-SP	Screw 9/64-40 L=6		(1)
38	008	B1530-804-000	Stopper		(1)
39	008	WP-0250516-SD	Washer 2.5 x 6 x 0.5		(1)
40	008	SS-7060610-SP	Screw 3/32-56 L=5.5		(1)
41	008	SS-6060210-SP	Screw 3/32-56 L=1.9		(1)
42	008	B1511-804-000	Rear presser foot		(1)
43	008	B1507-804-C00	Presser foot		(1)
44	008	SS-7080520-SP	Screw 1/8-44 L=4.9		(1)
45	008	B1508-804-008	Spring		(1)
46	008	B1509-804-C00	Stitch tongue		(1)
47	008	SS-6060410-TP	Screw 3/32-56 L=3.5		(1)
48	008	B1510-814-000	Curly guard		(1)
49	007	118-76851	Presser foot asm.		1
50	007	118-72009	Presser foot hinge		(1)
51	007	SS-6090650-SP	Screw 9/64-40 L=6		(1)
52	007	B1530-804-000	Stopper		(1)
53	007	WP-0250516-SD	Washer 2.5 x 6 x 0.5		(1)
54	007	SS-7060610-SP	Screw 3/32-56 L=5.5		(1)
55	007	SS-6060210-SP	Screw 3/32-56 L=1.9		(1)
56	007	B1511-814-000	Rear presser foot		(1)
57	007	B1507-814-00P	Presser foot		(1)
58	007	SS-7080520-SP	Screw 1/8-44 L=4.9		(1)
59	007	B1508-804-008	Spring		(1)
60	007	B1509-814-00P	Stitch tongue		(1)
61	007	SS-6060410-TP	Screw 3/32-56 L=3.5		(1)
62	007	B1510-814-000	Curly guard		(1)
63	006	118-77552	Presser foot asm.		1
64	006	118-72108	Presser foot hinge		(1)
65	006	SS-6090650-SP	Screw 9/64-40 L=6		(1)
66	006	118-75309	Rear presser foot		(1)
67	006	B1512-816-000	Spring, for rear presser foot		(1)
68	006	B1513-816-000	Nut, for rear presser foot		(1)
69	006	B1510-816-000	Hinge pin		(1)
70	006	B1507-816-000	Hinged type presser foot		(1)
71	006	B1515-816-000	Presser foot arm spring		(1)
72	006	B1514-816-000	Screw		(1)
73	006	SS-6060340-SP	Screw 3/32-56 L=2.5		(1)
74	006	B1511-816-000	Hinge screw		(1)
75	006	B1530-816-000	Auxiliary stopper		(1)
76	003	B1539-804-000	Presser foot fixing plate		1
77	003	SS-6060410-TP	Screw 3/32-56 L=3.5		1
78	016	118-76166	Presser foot asm.		1
79	017	118-76889	Presser foot asm.		1
80	018	118-77578	Presser foot asm.		1

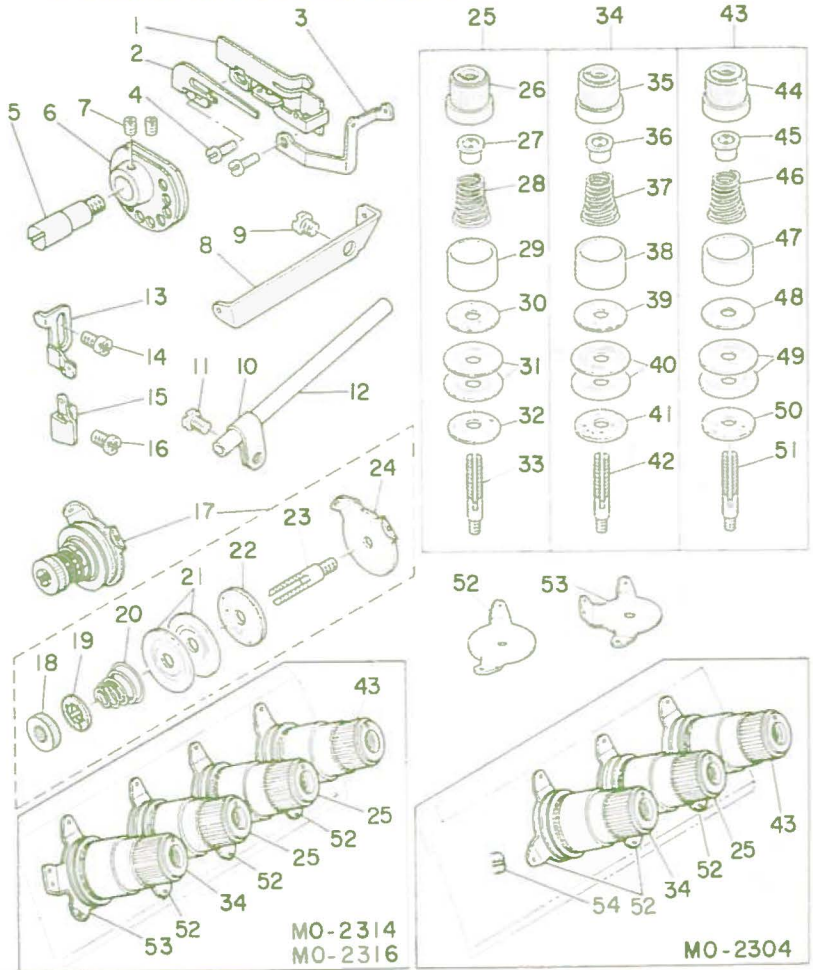
3. NEEDLE DRIVING SHAFT COMPONENTS

1	*	B1409-8-0C0	Needle driving shaft asm.	D. 9/84	-
2	01	118-17459	Needle driving shaft asm.	A. 9/84	1
3		115-82509	Oil wick		(1)
4		115-17505	Oil cap		(1)
5		TA-0180401-M0	Needle cooler plug cap		(1)
6		B3510-704-000	Oil felt		(1)
7		B3511-704-000	Oil felt		(1)
8		115-17802	Oil seal		1
9		118-14407	Cover		1
10		SS-7110410-SP	Screw 11/64-40 L=4		2
11		118-14100	Bushing, front		1
12		B3525-704-000	Oil felt		1
13		SS-8120740-SP	Screw 3/16-28 L=7		1
14		CS-1201010-SH	Thrust collar asm. D=12 W=10		1
15		SS-8660610-TP	Screw 1/4-40 L=6		(2)
16		B1402-804-0A0	Forked crank asm.		1
17	09	SS-9151210-TP	Screw 15/64-28 L=11.8		(1)
18		118-23804	Crank pin		1
19		118-14308	Bushing, rear		1
20		118-16105	Needle thread presser		1
21		SS-6080410-SP	Screw 1/8-44 L=4		2
22		115-15152	Needle driving lever asm.		1
23		115-15301	Oil shield		(1)
24		SS-4080320-TP	Screw 1/8-44 L=3.4		(1)
25	09	115-15202	Outer sleeve		(1)
26		B1411-804-A00	Bearing (A)		1
27		115-15459	Needle driving lever shaft asm.		1
28		CQ-2020000-00	Oil wick		(0.2)
29		118-17509	Bushing		1
30	*	SS-6121020-SP	Screw 3/16-28 L=9.5	C. 9/84	1
31		CS-0807811-SH	Thrust collar D=8.73 W=8		1
32	06	SS-6110420-TP	Screw 11/64-40 L=4.8		(2)
33		115-17059	Pin asm.		1
34		CQ-2020000-00	Oil wick		(0.1)
35		115-17307	Plug		2
36		118-15107	Oil wick cover bushing		1
37		118-15057	Oil wick cover asm.		1
38		CQ-2020000-00	Oil wick		0.3
39		SS-7121410-TP	Screw 3/16-28 L=14		2
40		118-14803	Needle clamp guide shaft base		1
41		WP-0651056-SD	Washer 6.5 x 11 x 1		2
42		SS-6151812-TP	Screw 15/64-28 L=18		2
43		118-16501	Needle thread guide		1
44		SS-7090540-TP	Screw 9/64-40 L=5		1
45		SS-7090530-SP	Screw 9/64-40 L=4.5		1
46	06	118-16600	Needle thread take-up guide		1
47	06	118-16857	Needle clamp base		1
48	06	118-17103	Needle clamp washer		(1)
49	06	118-16907	Needle thread clamp		(1)
50	06	SS-6080410-SP	Screw 1/8-44 L=4		1
51		118-17004	Needle clamp oil felt		1
52		118-14902	Needle clamp guide shaft asm.		1
53		118-15206	Oil wick		1
54		118-15354	Oil reservoir asm.		1
55		SS-6090420-SP	Screw 9/64-40 L=4.0		2
56		118-15503	Needle clamp base		1
57		SS-8090410-SP	Screw 9/64-40 L=3.5		1
58		SS-8110422-TP	Screw 11/64-40 L=4		1
59	10	118-16006	Needle thread take-up lever		1
60		118-16204	Needle thread presser spring		1
61		118-16303	Needle thread presser guide		1
62	06	118-16402	Needle thread presser guide		1
63		SS-6080410-SP	Screw 1/8-44 L=4		2
64	08	118-69005	Needle clamp		1
65		SS-8080310-TP	Screw 1/8-44 L=2.8		1
66		MDC-27081100	Needle DC x 27 #11		1
67	03	MC-0336007-50	Needle B-27 NM75		1
68	07	118-69658	Needle clamp		1
69		MDC-27081100	Needle DC x 27 #11		2
70	03	MC-0336007-50	Needle B-27 NM75		2
71		SS-8080310-TP	Screw 1/8-44 L=2.8		1
72	06	118-70359	Needle clamp		1
73	07	118-17301	Needle thread take-up lever		1

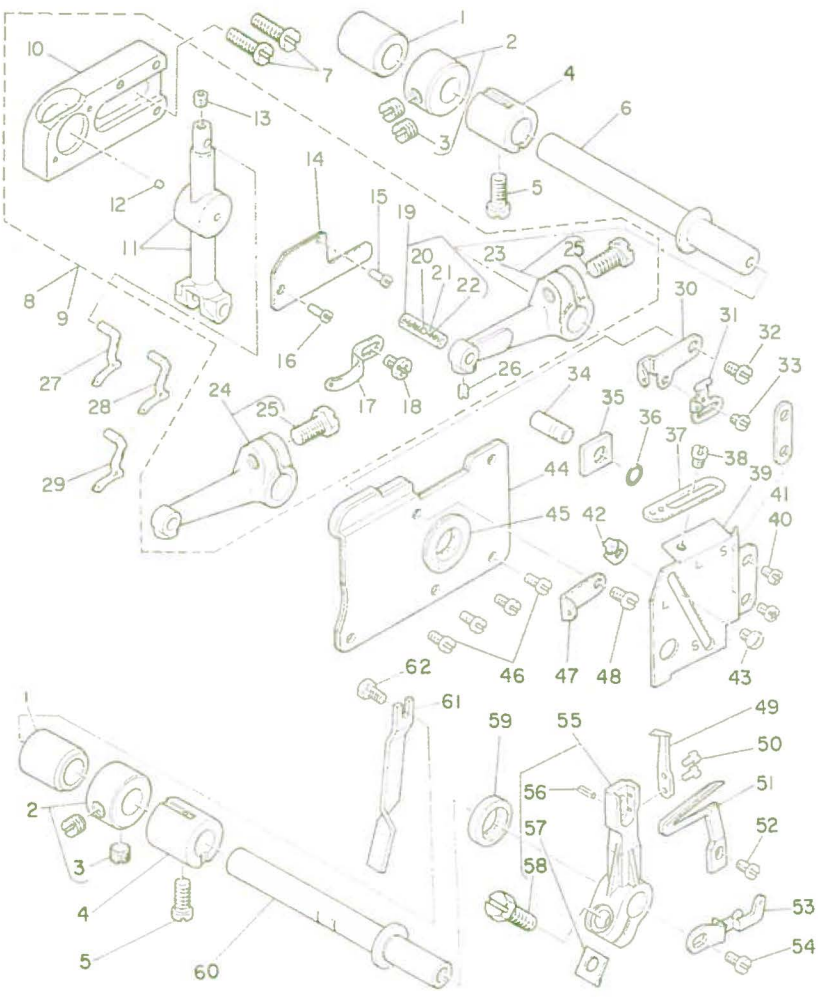
6. FEED MECHANISM COMPONENTS



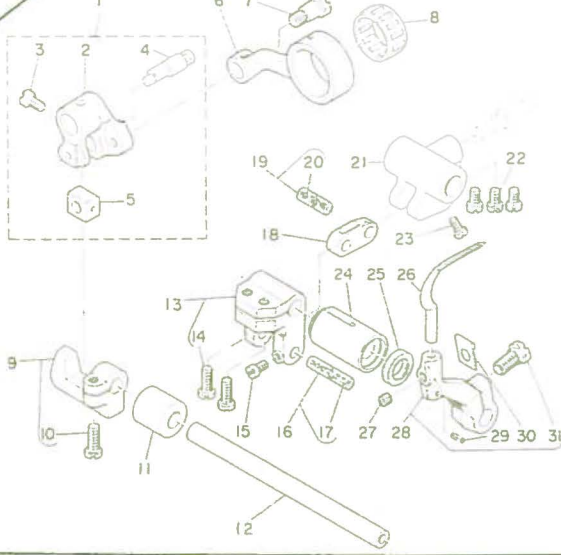
7. THREAD TENSION COMPONENTS



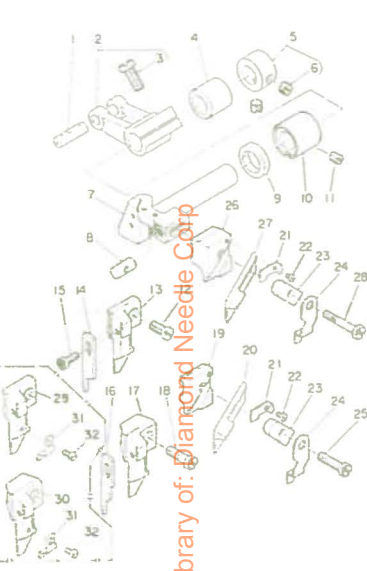
10. UPPER & LOWER LOOPER COMPONENTS



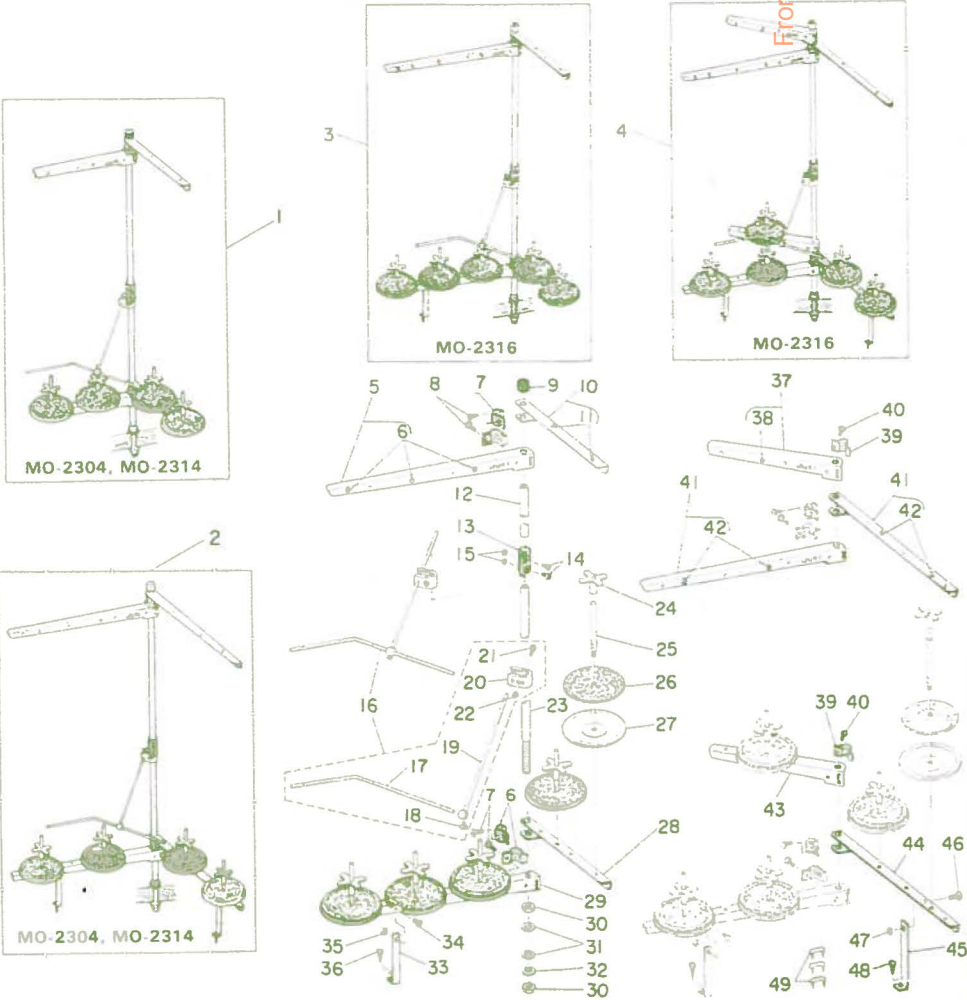
8. CHAIN LOOPER COMPONENTS (FOR MO-2316)



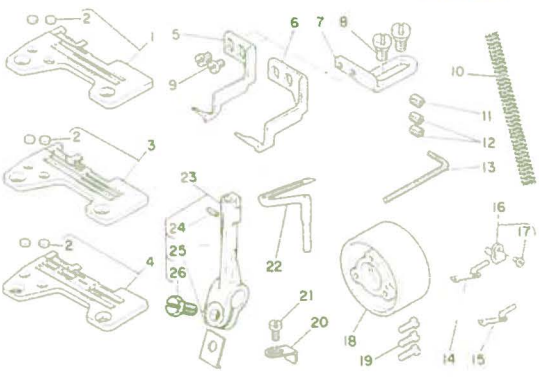
9. UPPER KNIFE COMPONENTS



11. THREAD STAND COMPONENTS



12. SPECIAL ORDER PARTS COMPONENTS



Ref. No.	Usage
1 ~ 9	For overedge with adjustment Overedge width [MO-2304 2.7 ~ 6.4 mm] [MO-2314 2.7 ~ 4 mm] [MO-2316 2.7 ~ 6.4 mm]
10	For light-weight materials
11 ~ 13	For needle set
14 ~ 17, 20, 21	For adjustment type
18, 19	For synchronizer
22 ~ 26	For wide width

