

MODEL : PLC-1690/PLC-1691

List No : 1253-05

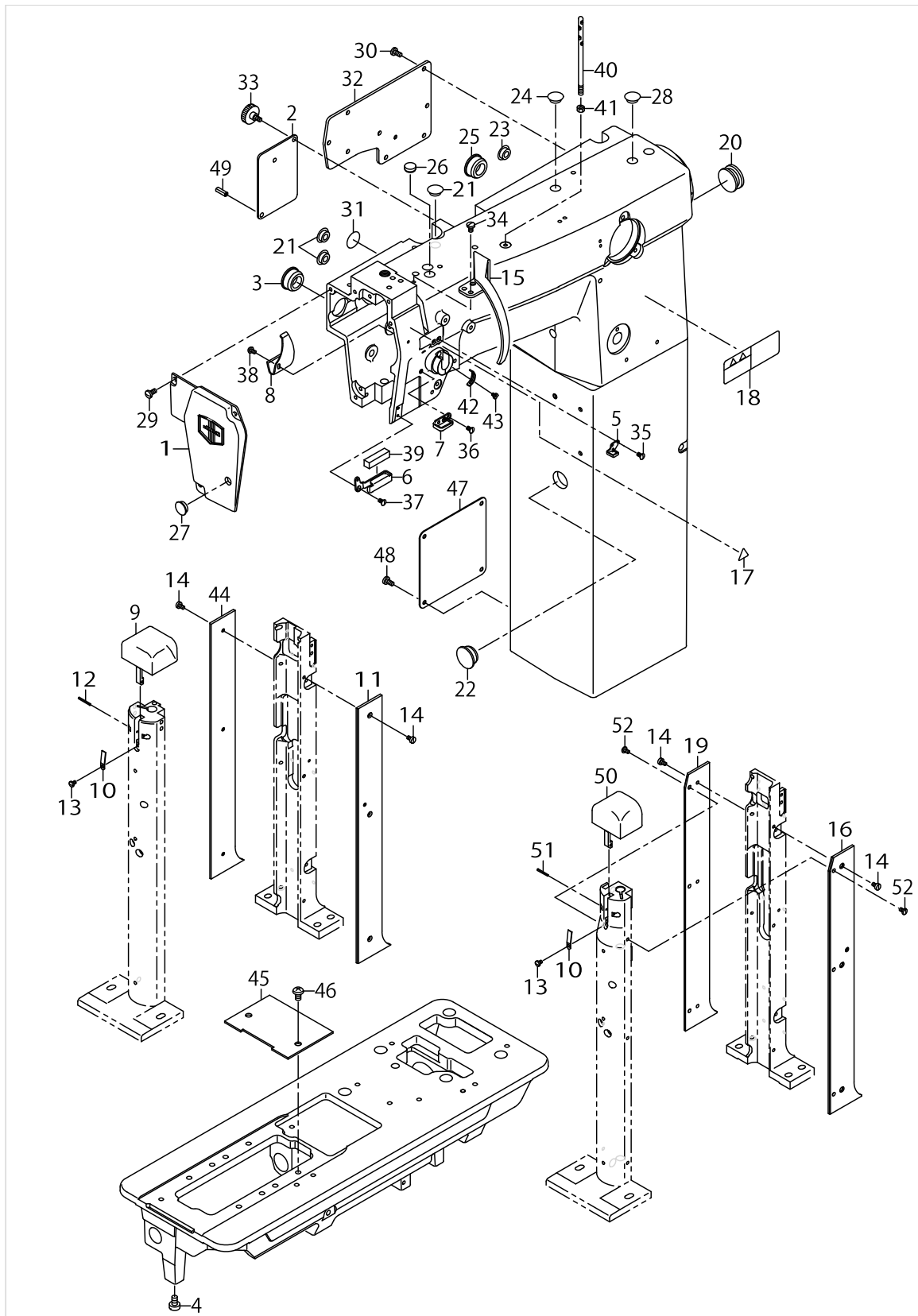
PARTS LIST

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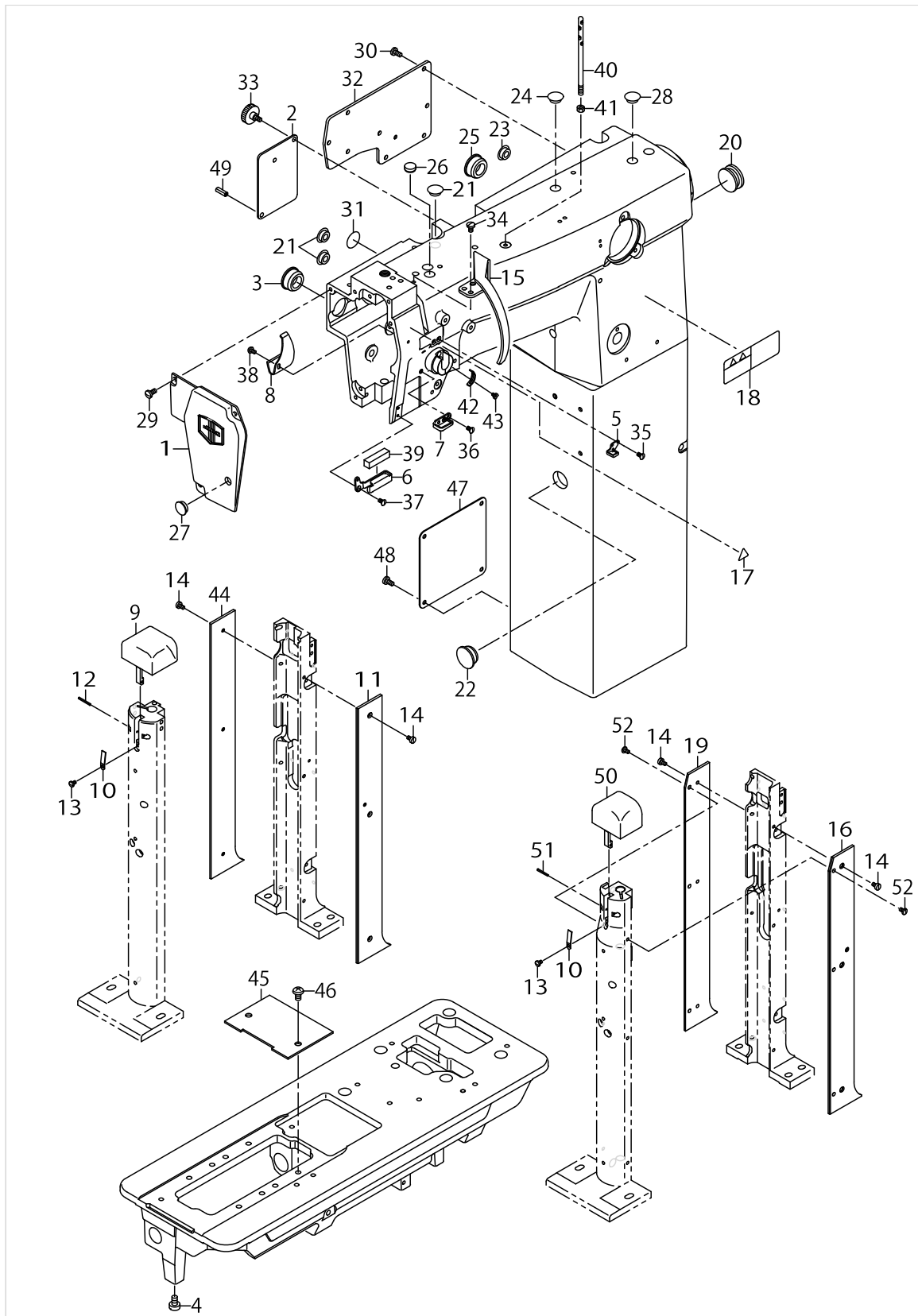
FRAME & MISCELLANEOUS COVER COMPONENTS



FRAME & MISCELLANEOUS COVER COMPONENTS

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
1	10301950	FACE PLATE ASM.				1
2	40032259	SIDE COVER				1
3	TA2351004R0	RUBBER PLUG				1
4	SS6151040SP	SCREW 15/64-28 L=10				4
5	B1129521000	THREAD GUIDE UPPER				1
6	10774008	FELT THREAD GUIDE				1
7	40108675	FRAME THREAD GUIDE				1
8	B1140526000	TAKE-UP OIL SPLASHER				1
9	23041759	HOOK COVER ASM.				1
10	23000805	HOOK COVER SPRING				1
11	23035504	SIDE COVER B				1
12	PS0200182KR	SPRING PIN 2X18				1
13	SS7080520SP	SCREW 1/8-44 L=4.9				1
14	SS6090620SP	SCREW 9/64-40 L=6				6
15	10439008	THREAD TAKE-UP LEVER COVER (JE)				1
16	23042401	FEED LEVER BASE SIDE COVER B	FOR PLC-1691			1
17	CM300200001	ATTENTION SEAL	FOR JE,USE IN JAPAN			1
18	CM301300001	SAFETY LABEL				1
19	23042302	FEED LEVER BASE SIDE COVER A	FOR PLC-1691			1
20	10201200	RUBBER PLUG				1
21	TA1250504R0	RUBBER PLUG				3
22	TA2100904R0	RUBBER PLUG				1
23	TA1250504R0	RUBBER PLUG				1
24	TA1250504R0	RUBBER PLUG				1
25	TA2351004R0	RUBBER PLUG				1
26	TA1270502R0	RUBBER PLUG				1
27	TA1250406R0	RUBBER PLUG D=12.5 L=4				1
28	TA1250504R0	RUBBER PLUG				1
29	SS7110910SP	SCREW 11/64-40 L=8.5				3
30	SS7110910SP	SCREW 11/64-40 L=8.5				9
31	10004109	GROUND MARK				1
32	B111852200A	SIDE PLATE				1
33	MAT80110L00	CLAMP SCREW				2
34	SS7110710SP	SCREW 11/64-40 L=7				1
35	SS2090520SL	SCREW 9/64-40 L=5				2
36	SS2090520SL	SCREW 9/64-40 L=5				1
37	SS2090520SL	SCREW 9/64-40 L=5				1
38	SS3090610SP	SCREW 9/64-40 L=6				1
39	22603708	FELT				1
40	40052262	THREAD GUIDE PIN				1
41	NS6620310SP	NUT 3/16-32				1
42	B3138512000	TAKE-UP SPRING ADJUSTING PLATE				1
43	SS7090520SP	SCREW 9/64-40 L=4.5				1
44	23035405	SIED COVER A				1
45	23035306	BED COVER				1
46	SM4061001SB	SCREW M6 L=10				2
47	23035207	POST WINDOW PLATE				1

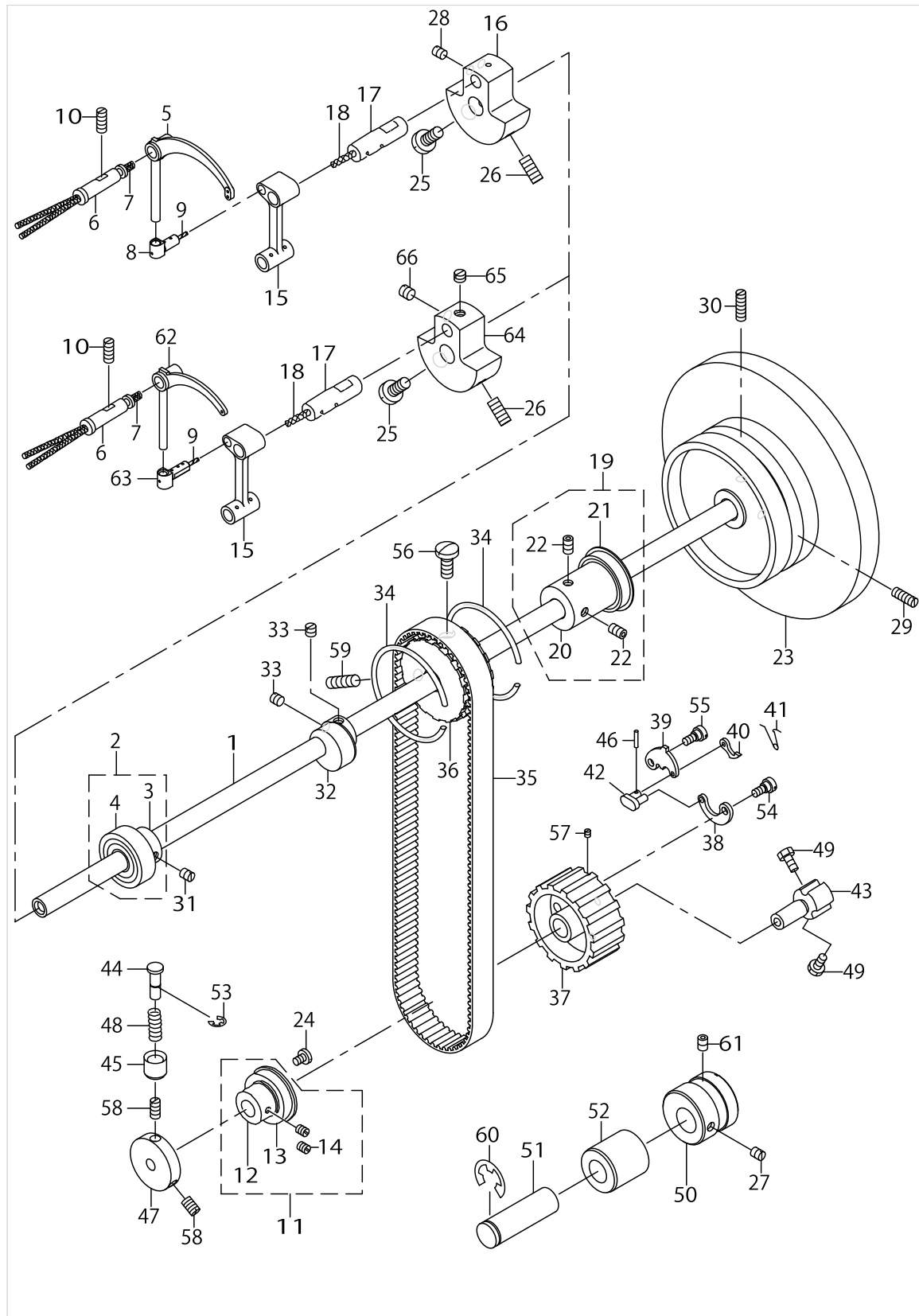
FRAME & MISCELLANEOUS COVER COMPONENTS



FRAME & MISCELLANEOUS COVER COMPONENTS

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
48	SS7110910SP	SCREW 11/64-40 L=8.5				4
49	PS0500142KP	SPRING PIN	FOR PLC-1691			1
50	23040454	HOOK COVER ASM.	FOR PLC-1691			1
51	PS0200162KH	SPRING PIN	FOR PLC-1691			1
52	SS5090610SP	SCREW 9/64-40 L=6	FOR PLC-1691			6

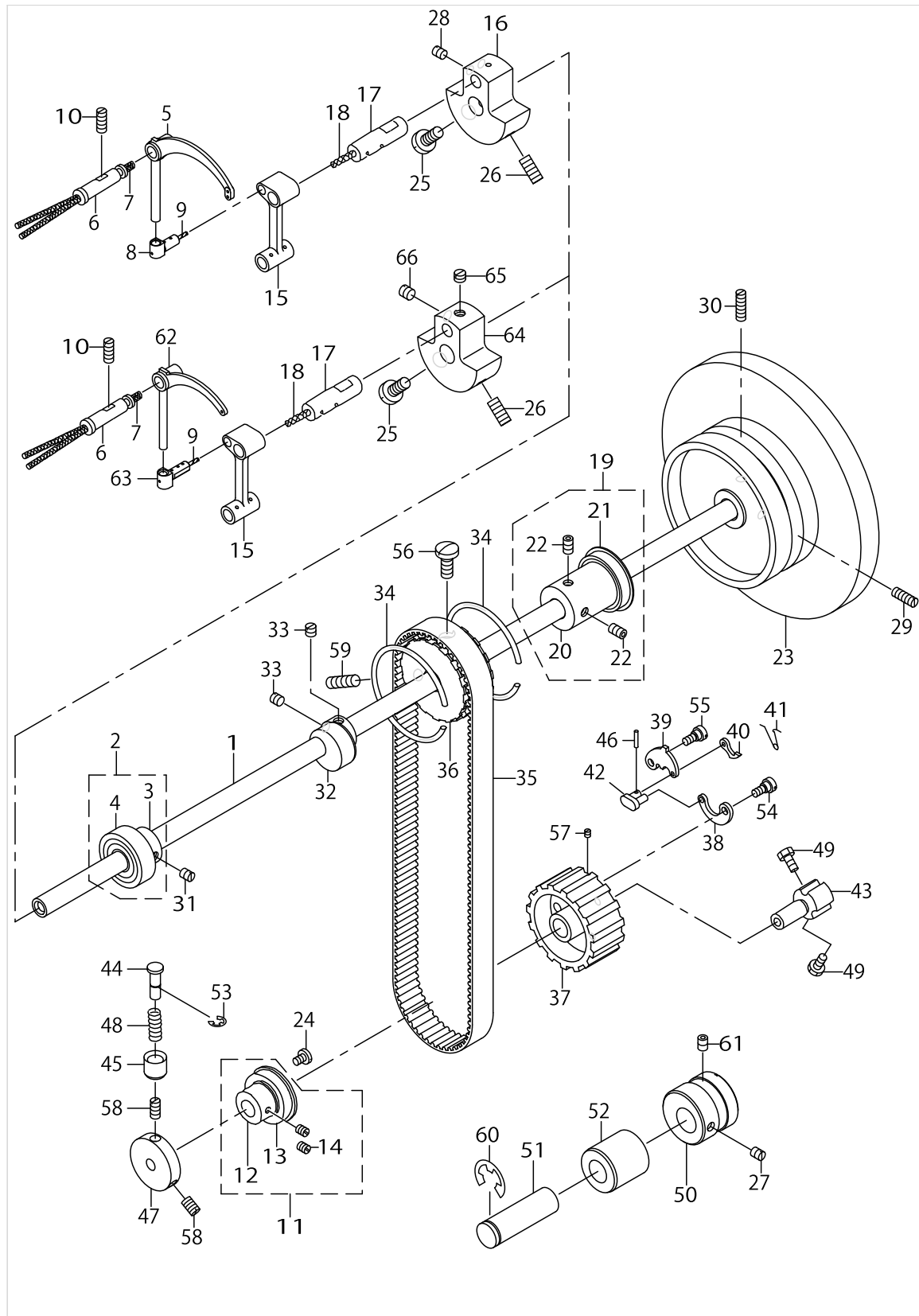
MAIN SHAFT,HOOK DRIVING SHAFT DELIVERY & THREAD TAKE-UP LEVER COMPONENTS



MAIN SHAFT,HOOK DRIVING SHAFT DELIVERY & THREAD TAKE-UP LEVER COMPONENTS

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
1	10305001	MAIN SHAFT				1
2	10305159	MAIN SHAFT BUSHING ASM. FRONT				1
3	10305100	MAIN SHAFT BUSHING FRONT		*		1
4	B1202512000	MAIN SHAFT BUSHING FRONT		*		1
5	23001001	THREAD TAKE-UP LEVER				1
6	B1906051000	TAKE-UP LEVER PIN				1
7	CQ200000000	OIL WICK				0.2
8	23038805	BALANCE SLIDE SHAFT				1
9	CQ252000000	OIL WICK				0.02
10	SS8151550SP	SCREW 15/64-28 L=15				1
11	22611651	THRUST COLLAR ASM. B				1
12	22611602	THRUST COLLAR B		*		1
13	SB120000200	BEARING 20X42		*		1
14	SS8661030SP	SCREW 1/4-40 L=10		*		2
15	B1408051000	NEEDLE BAR CRANK ROD				1
16	D1206241E00	COUNTERWEIGHT				1
17	B1210051000	NEEDLE BAR CRANK PIN				1
18	CQ303000000	OIL WICK				0.06
19	23008055	MAIN SHAFT THRUST COLLAR ASM.				1
20	23008006	MAIN SHAFT THRUST COLLAR		*		1
21	B1203512000	BUSHING REAR		*		1
22	SM8061002TP	SCREW M6 L=10		*		2
23	23001209	HAND WHEEL				1
24	SS7120760SP	SCREW 3/16-28 L=7.0				2
25	SS7681750TP	SCREW 9/32-28 L=16.5				1
26	SS8681650TP	SCREW 9/32-28 L=16				1
27	SS8150510TP	SCREW 15/64-28 L=4.7				1
28	SS8150710SP	SCREW 15/64-28 L=7				2
29	SS8150912TH	SCREW 15/64-28 L=9				1
30	SS8150822TP	SCREW 15/64-28 L=8				1
31	SS8150760TP	SCREW 15/64-28 L=7.0				1
32	D1450055B00	UPPER FEED DRIVING CAM				1
33	SS8660610TP	SCREW 1/4-40 L=6				2
34	B1214019000	SPROCKET RING				2
35	23035702	TIMING BELT				1
36	23001407	UPPER SPROCKET				1
37	23001506	SPROCKET WHEEL				1
38	B1305055000A	SAFETY CLUTCH SPRING				1
39	B1307055000	SAFETY CLUTCH HOOK				1
40	B1308055000	SAFETY CLUTCH COUNTER-HOOK				1
41	B1309055000	COUNTER-HOOK SPRING				1
42	B1310055000	SAFETY CLUTCH SMALL LINK				1
43	10503605	SAFETY BASE				1
44	23001605	SAFETY CLUTCH				1
45	B1313055000	SAFETY CLUTCH KNOB SLEEVE				1
46	B1314055000	SAFETY CLUTCH SMALL LINK PIN				1
47	23001704	SAFETY CLUTCH DISK				1

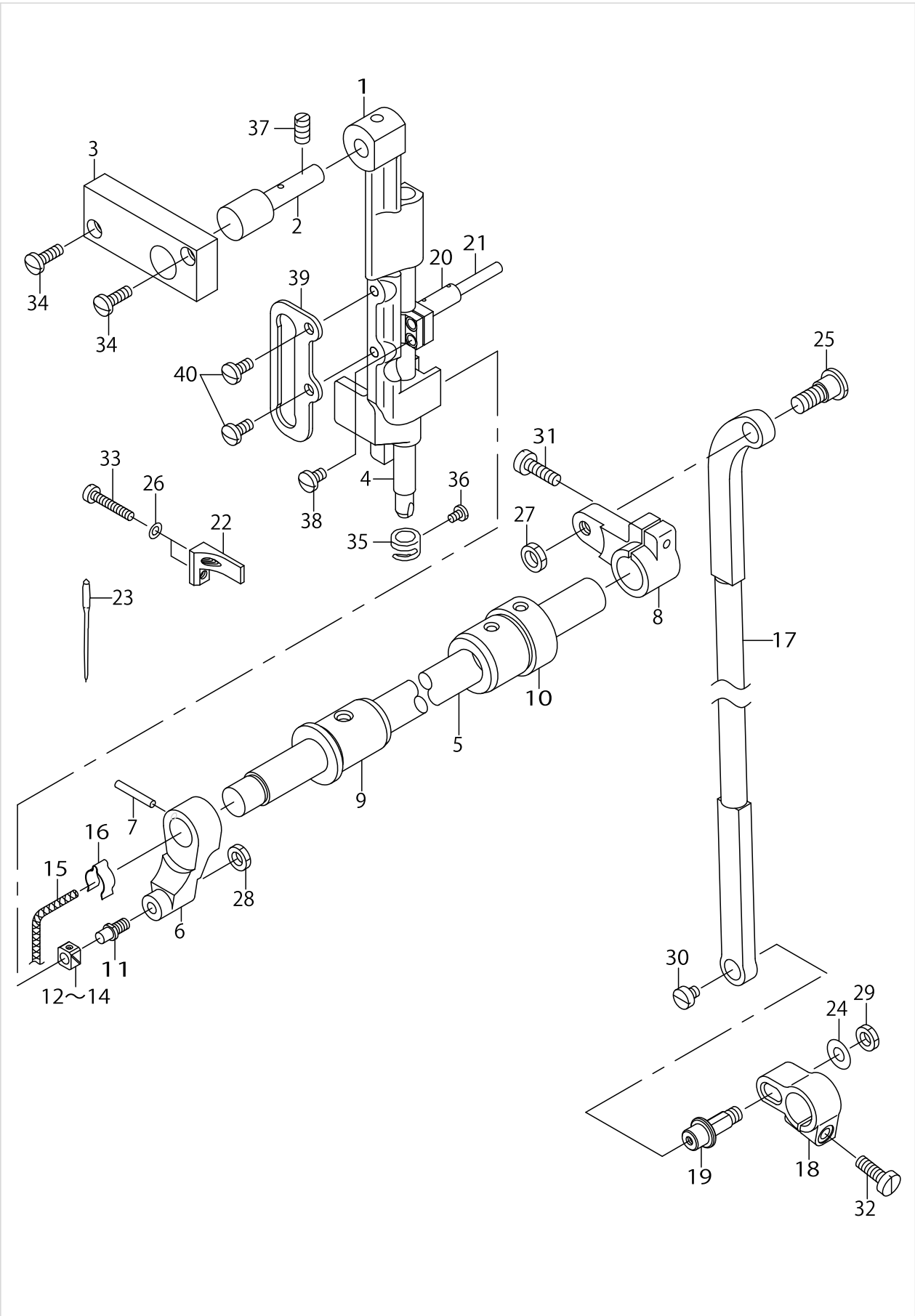
MAIN SHAFT,HOOK DRIVING SHAFT DELIVERY & THREAD TAKE-UP LEVER COMPONENTS



MAIN SHAFT,HOOK DRIVING SHAFT DELIVERY & THREAD TAKE-UP LEVER COMPONENTS

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
48	B1639051000	SPRING				1
49	SS6661110SP	SCREW 1/4-40 L=11				2
50	23001803	IDLER BUSH				1
51	23001902	IDLER SHAFT				1
52	22603906	UPPER SHAFT INNER METAL				1
53	RE0500000K0	E-RING				1
54	SD0640322TP	HINGE SCREW D=6.35 H=3.2				1
55	SD0640322TP	HINGE SCREW D=6.35 H=3.2				1
56	SS7681750TP	SCREW 9/32-28 L=16.5				1
57	SS8090410SP	SCREW 9/64-40 L=3.5				1
58	SS8151230SP	SCREW 15/64-28 L=12				2
59	SS8681950SP	SCREW 9/32-28 L=19				1
60	RE1200000K0	E-RING 12				1
61	SM8060802TP	SCREW M6 L=8				1
62	B1905245000	THREAD TAKE-UP LEVER	FOR PLC-1691			1
63	D1907241E00	TAKE-UP LEVER THRUST PIN	FOR PLC-1691			1
64	B1206245000	COUNTERWEIGHT	FOR PLC-1691			1
65	SS8680540SP	SCREW 9/32-28 L=4.5	FOR PLC-1691			1
66	SS8680730SP	SCREW 9/32-28 L=7	FOR PLC-1691			1

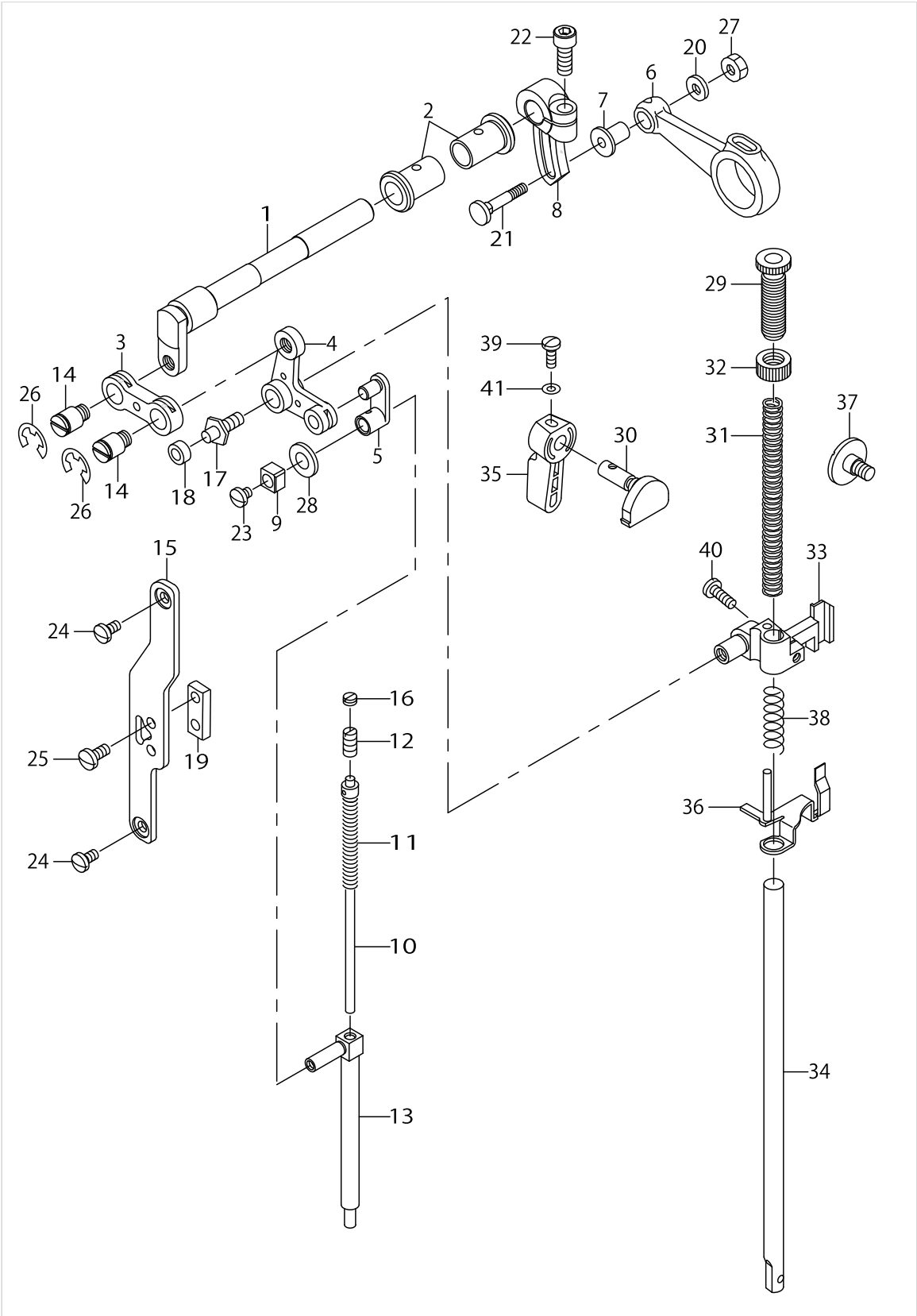
NEEDLE BAR ROCKING COMPONENTS



NEEDLE BAR ROCKING COMPONENTS

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
1	40016538	NEEDLE BAR FRAME				1
2	10308203	NEEDLE BAR FRAME SHAFT ASM.				1
3	10301307	NEEDLE BAR FRAME SHAFT BASE				1
4	B1401246000	NEEDLE BAR				1
5	10204709	NEEDLE BAR FRAME ROCK SHAFT				1
6	23002207	ROCK SHAFT FRONT CRANK				1
7	PT0302000S0	TAPERED PIN 3.0X20				1
8	23008303	OCK SHAFT REAR CRANK				1
9	23002306	ROCK SHAFT FRONT BUSHING				1
10	23002405	ROCK SHAFT REAR BUSHING				1
11	B1410771000	STUD				1
12	B1414232000	SQUARE BLOCK	SELECTIVE PARTS			1
13	B141423200A	CRANK SLIDE BLOCK	SELECTIVE PARTS			1
14	B141423200B	GUIDE ROLLER	SELECTIVE PARTS			1
15	CQ202000000	OIL WICK				0.12
16	B1437051000	OIL WICK RETAINER				1
17	23038359	NEEDLE BAR FRAME ROD ASM.				1
18	23002603	ROCK SHAFT CRANK				1
19	23002702	CONNECTING STUD				1
20	B1411057000	NEEDLE BAR CONNECTION				1
21	B1412051000	FELT				1
22	23004104	FEED LEVER SUPPORT				1
23	MC321001200	NEEDLE 134-35 #120				1
24	WP0650876SD	WASHER 6.5X13X0.8				1
25	SD0900701TP	HINGE SCREW D=9 H=7				1
26	WP0371026SD	WASHER 3.7X7X1				2
27	NS6680320SP	NUT 9/32-28				1
28	NS6150310SP	NUT 15/64-28				1
29	NS6150310SP	NUT 15/64-28				1
30	SS6110520TP	SCREW 11/64-40 L=4.5				1
31	SS6121610TP	SCREW 3/16-28 L=15.5				1
32	SS6121610TP	SCREW 3/16-28 L=15.5				1
33	SS6092120SP	SCREW 9/64-40 L=21.2				1
34	SS7111310TP	SCREW 11/64-40 L=12.8				2
35	B1418141H00	NEEDLE BAR THREAD GUIDE				1
36	SS7080510TP	SCREW 1/8-44 L=4.5				1
37	SS8150920SP	SET-SCREW				1
38	SS7110720SP	SCREW 11/64-40 L=7				2
39	23007008	WALKING BAR GUIDE				1
40	SS7110910SP	SCREW 11/64-40 L=8.5				2

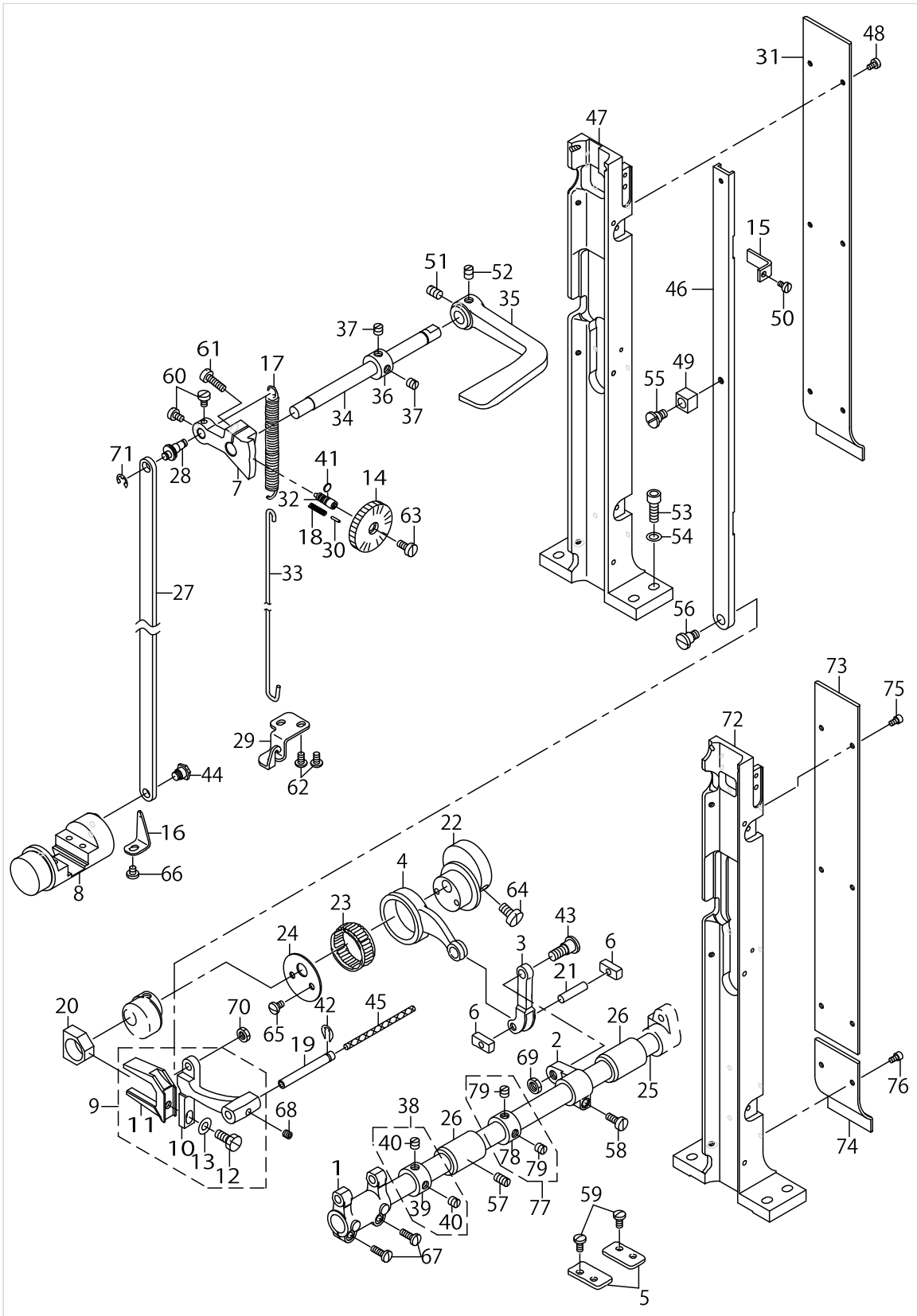
PRESSURE ADJUSTING & UPPER FEED MECHANISM COMPONENTS



PRESSURE ADJUSTING & UPPER FEED MECHANISM COMPONENTS

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
1	23006505	UPPER FEED DRIVING SHAFT				1
2	B1455053000	BUSHING				2
3	23006604	CONNECTING LINK				1
4	23006703	L SHAPED LINK				1
5	23006802	WALKING BAR DRIVING LINK				1
6	D1453055B00	UPPER FEED DRIVING ROD				1
7	D1455055B00	CONNECTING STUD				1
8	D1454055B00	UPPER FEED SPRING ROD				1
9	B1414555000	SLIDE BLOCK				1
10	B14670530A0	WALKING BAR ASM.				1
11	B1468053000	WALKING BAR SPRING				1
12	SS8151230SP	SCREW 15/64-28 L=12				1
13	23007107	WALKING BAR				1
14	21048707	HINGE SCREW				2
15	23003007	GUIDE PLATE				1
16	SS8150310SP	SCREW 15/64-28 L=3.4				1
17	B1461245000	GUIDE SHAFT HINGE SCREW				1
18	D1462241E00	CONNECTING PIN ROLLER				1
19	D1463241E00	PRESSER BAR BRACKET GUIDE				1
20	WP0482086SD	WASHER 4.8X11.5X2				1
21	D1456055B00	HINGE SCREW				1
22	23009608	UPPER FEED ARM CLAMP SCREW				1
23	SS7110510SP	SCREW 11/64-40 L=5				1
24	SS7110840SP	SCREW 11/64-40 L=7.8				2
25	SS7621040SP	SCREW 3/16-32 L=9.5				2
26	RE0800000K0	E-SHAPED SNAP RING (8MM)				2
27	NS6110530SP	NUT 11/64-40				1
28	10509701	FELT				1
29	B1509141H00	PRESSER SPRING REGULATOR				1
30	10310712	HAND LIFTER CAM				1
31	B1510141H00	PRESSER SPRING				1
32	22907604	PRESSER SPRING REGULATOR NUT				1
33	23002801	HAND LIFTER BRACKET				1
34	B1501141H00	PRESSER BAR				1
35	22907802	HAND LIFTER				1
36	23002959	THREAD RELEASE GUIDE				1
37	SD0800481SP	HINGE SCREW D=8 H=4.9				1
38	B1462053000	THREAD RELEASE SPRING				1
39	SS7091110TP	SCREW 9/64-40 L=10.5				1
40	SS7111310SP	SCREW 11/64-40 L=12.8				1
41	WP0370316SD	WASHER 3.7X8X0.3				1

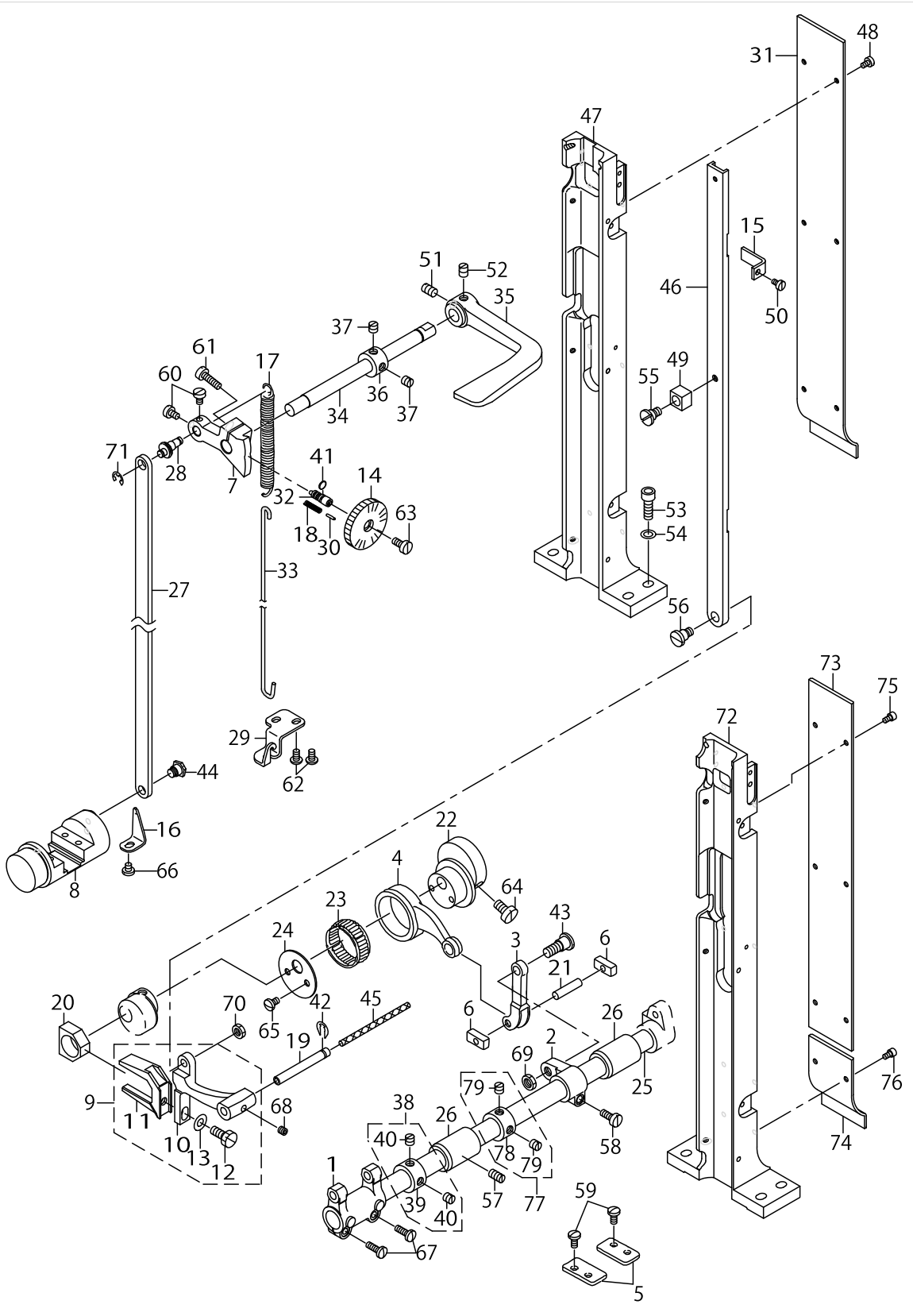
FEED MECHANISM COMPONENTS



FEED MECHANISM COMPONENTS

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
1	21364104	FEED ROCKER				1
2	10315109	FEED ROCKER SHAFT CRANK				1
3	10315208	FEED ROCK CONNECTING ROD				1
4	22609200	FEED ROCK SHAFT CONNECTING ROD				1
5	10315505	PLATE				2
6	22609606	FEED DRIVING ROCKER BLOCK S				2
7	23003106	FEED REGULATOR				1
8	23003254	FEED DRIVING ROCKER ASM.				1
9	23003353	FEED BAR ASM.				1
10	23003304	FEED BAR		*		1
11	10107902	FEED BAR FORK		*		1
12	SS9151440CP	SCREW 15/64-28 L=14		*		1
13	WP0621016SD	WASHER 6.2X13X1		*		1
14	23003403	STITCH DIAL				1
15	23036304	FEED LEVER SUPPORT				2
16	B1633470000	STOPPER PLATE				1
17	B1513280000	TENSION SPRING				1
18	22912109	FEED REGULATOR PIN SPRING				1
19	B1604012000A	FEED BAR SHAFT				1
20	B1610512000	FEED DRIVING SLIDE BLOCK				1
21	B1653470000	PIN				1
22	23003601	FEED DRIVE ECCENTRIC CAM				1
23	B1636581B00	NEEDLE BEARING B				1
24	23003700	THRUST COLLAR				1
25	23007305	FEED ROCK SHAFT				1
26	10106102	BUSHING				2
27	23035900	FEED REGULATOR CONNECTING ROD				1
28	22610109	ROD PIN				1
29	22610406	SPRING BRACKET				1
30	10207405	PIN				1
31	23035603	FEED LEVER BASE COVER				1
32	10207116	FEED REGULATOR SCREW				1
33	23036007	SPRING HOLDER				1
34	10107506	REVERSE FEED SHAFT				1
35	B162438000A	REVERSE FEED CONTROL LEVER				1
36	CS1021211SH	THRUST COLLAR D=10.2 W=12				1
37	SS8660610TP	SCREW 1/4-40 L=6				2
38	CS147101ASH	THRUST COLLAR ASM. D=14.72 W=10				1
39	CS1471012SH	THRUST COLLAR D=14.72 W=10		*		1
40	SS8660610TP	SCREW 1/4-40 L=6		*		2
41	RO074240100	RUBBER RING				1
42	RE0500711KP	SNAP RING 5				1
43	SD0900701TP	HINGE SCREW D=9 H=7				1
44	SD0800422CP	HINGE SCREW D=8 H=4.2				1
45	CQ202000000	OIL WICK				0.1
46	23036106	FEED LEVER				1
47	23036205	FEED LEVER BASE				1

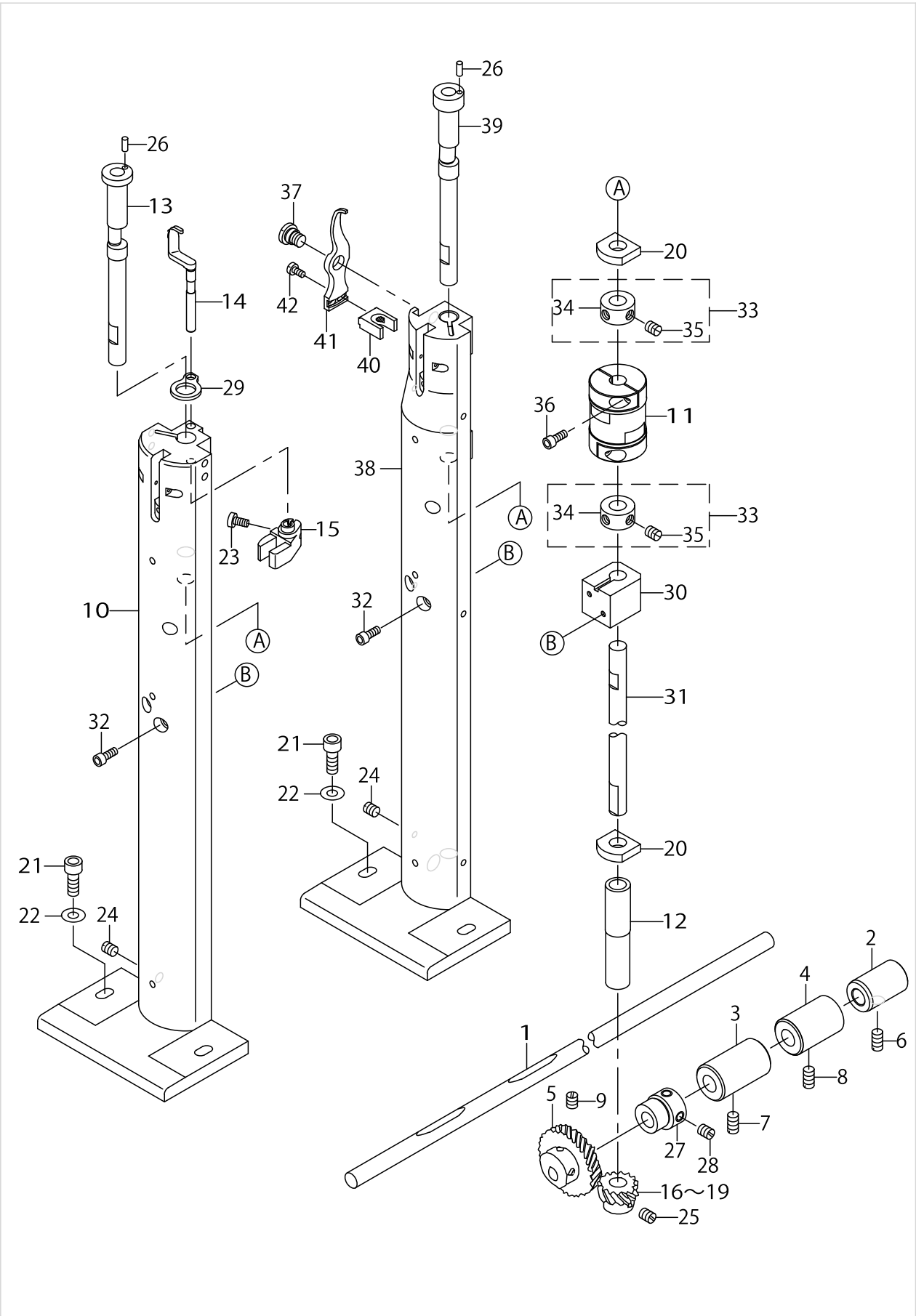
FEED MECHANISM COMPONENTS



FEED MECHANISM COMPONENTS

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
48	SS6090620SP	SCREW 9/64-40 L=6				6
49	23036403	SLIDE BLOCK				1
50	SS6090630SP	SCREW 9/64-40 L=6				2
51	SS8661040TP	SCREW 1/4-40 L=10				1
52	SS8660810TP	SCREW 1/4-40 L=8				1
53	SM6061802TP	SCREW M6 L=18				4
54	WP0651056SD	WASHER 6.5X11X1				4
55	SD0790433TP	HINGE SCREW D=7.94 H=4.3				1
56	SD0790601SP	HINGE SCREW D=7.94 H=6				1
57	SS8151150SP	SCREW 15/64-28 L=10.5				1
58	SS6121610TP	SCREW 3/16-28 L=15.5				1
59	SS7110910SP	SCREW 11/64-40 L=8.5				4
60	SS6110710SP	SCREW 11/64-40 L=7				2
61	SS6121610TP	SCREW 3/16-28 L=15.5				1
62	SS4110815SP	SCREW 11/64-40 L=8				2
63	SS6121050SP	SCREW 3/16-28 L=9.5				1
64	SS6661110SP	SCREW 1/4-40 L=11				2
65	SS7110710SP	SCREW 11/64-40 L=7				2
66	SS7110510SP	SCREW 11/64-40 L=5				1
67	SS7111310TP	SCREW 11/64-40 L=12.8				2
68	SM8050502TP	SCREW M5 L=5				1
69	NS6680320SP	NUT 9/32-28				1
70	NS6150310SP	NUT 15/64-28				1
71	RE0500000K0	E-RING				1
72	23039506	FEED LEVER BASE	FOR PLC-1691			1
73	23042104	FEED LEVER BASE COVER (UPPER)	FOR PLC-1691			1
74	23042203	FEED LEVER BASE COVER (LOWER)	FOR PLC-1691			1
75	SS6090620SP	SCREW 9/64-40 L=6	FOR PLC-1691			6
76	SS6090620SP	SCREW 9/64-40 L=6	FOR PLC-1691			2
77	22904155	MAIN SHAFT THRUST COLLAR ASM.				1
78	22904106	MAIN SHAFT THRUST COLLAR		*		1
79	SS8660610TP	SCREW 1/4-40 L=6		*		2

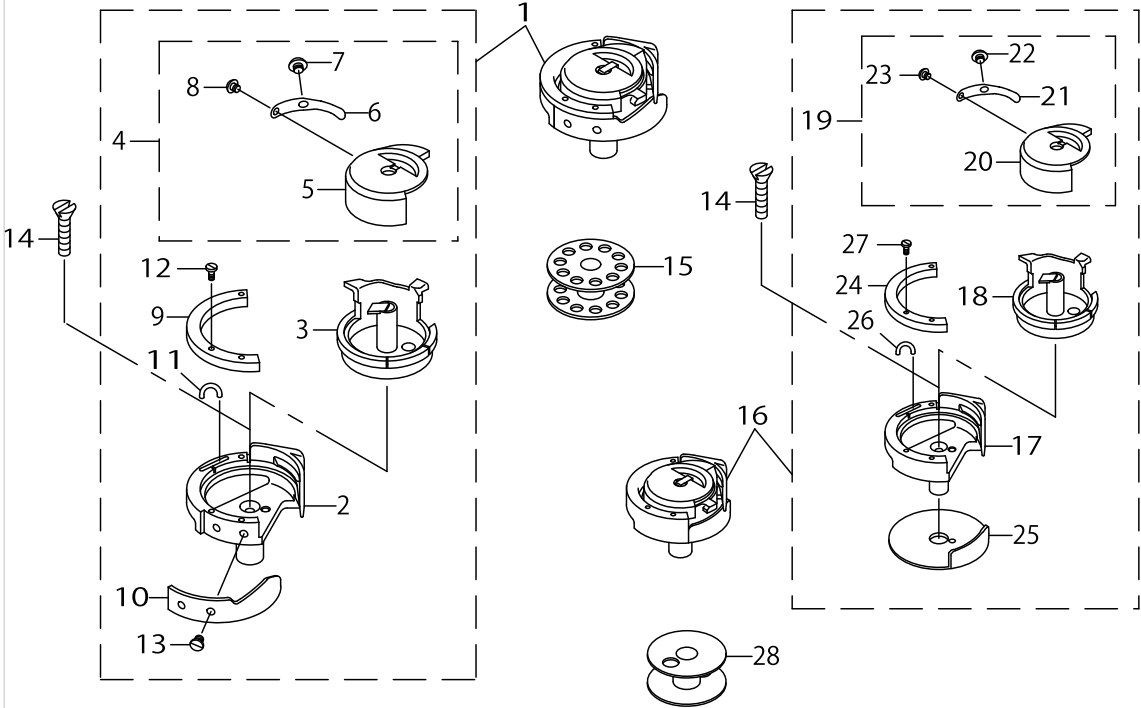
HOOK SHAFT & HOOK DRIVING SHAFT COMPONENTS



HOOK SHAFT & HOOK DRIVING SHAFT COMPONENTS

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
1	23004203	HOOK DRIVING SHAFT				1
2	21427307	LOWER SHAFT METAL REAR				1
3	23004302	BUSHING INTERMEDIATE				1
4	B1807512000	BUSHING B INTERMEDIATE				1
5	B1816512000	HOOK DRIVING SHAFT LARGE				1
6	SS8151150SP	SCREW 15/64-28 L=10.5				1
7	SS8151150SP	SCREW 15/64-28 L=10.5				1
8	SS8151150SP	SCREW 15/64-28 L=10.5				1
9	SS8660810TP	SCREW 1/4-40 L=8				2
10	23036502	HOOK SHAFT BASE				1
11	23037005	COUPLING				1
12	23004500	HOOK SHAFT BASE LOWER METAL				1
13	23036700	HOOK SHAFT				1
14	23041304	OPENER				1
15	23004906	OPENER GUIDE ARM				1
16	10112001	HOOK SHAFT GEAR A				1
17	10112100	HOOK SHAFT GEAR B				1
18	10112209	HOOK SHAFT GEAR C				1
19	10111904	HOOK SHAFT GEAR				1
20	23008105	LOWER METAL LUBRICATING FELT				2
21	SM6061802TP	SCREW M6 L=18				2
22	WP0651056SD	WASHER 6.5X11X1				2
23	SM6040802TP	SCREW M4X0.7 L=8				1
24	SS8150710SP	SCREW 15/64-28 L=7				1
25	SS8660530TP	SCREW 1/4-40 L=4.5				3
26	PH0300062C0	PIN				1
27	23003502	VERTICAL FEED CAM				1
28	SS8150710TP	SCREW 15/64-28 L=7				2
29	23004708	HOOK SHAFT SPACER				1
30	23036601	HOOK SHAFT METAL BOSS				1
31	23036809	HOOK SHAFT A				1
32	SM6041002TP	SCREW M4 L=10				2
33	CS095101BSH	THRUST COLLAR ASM. D=9.53 W=10				2
34	CS0951019SH	THRUST COLLAR D=9.53 W=10		*		2
35	SS8150710SP	SCREW 15/64-28 L=7		*		2
36	SM6041002TP	SCREW M4 L=10				2
37	21010608	HINGE SCREW	FOR PLC-1691			1
38	23039407	HOOK SHAFT BASE	FOR PLC-1691			1
39	23040603	HOOK SHAFT	FOR PLC-1691			1
40	21010707	GUIDE FORK	FOR PLC-1691			1
41	21010509	GUIDE	FOR PLC-1691			1
42	21011200	SCREW	FOR PLC-1691			2

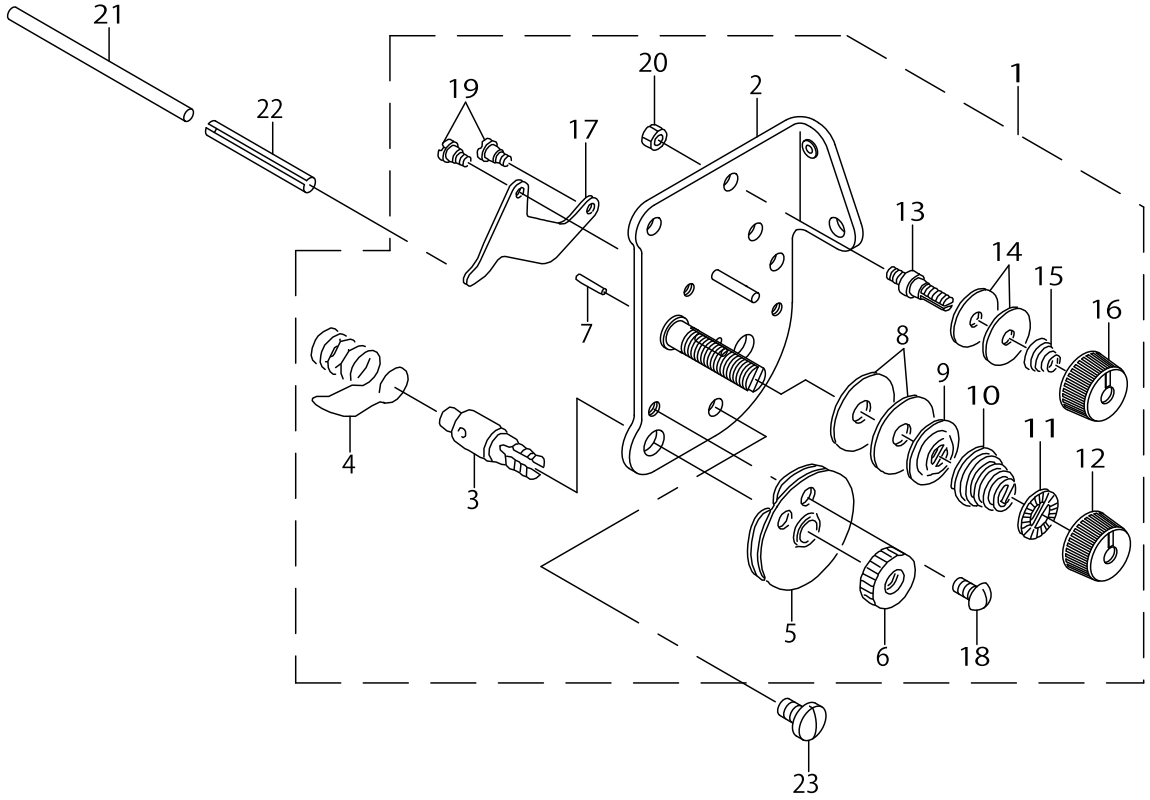
HOOK COMPONENTS



HOOK COMPONENTS

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
1	23039159	HOOK WITH CAP ASM.	FOR PLC-1691			1
2	23025000	HOOK		*		1
3	23039167	INNER HOOK ASM.		*		1
4	23039258	CAP ASM.		*		1
5	23027105	CAP		*		1
6	23025802	TENSION SPRING		*		1
7	23026107	SCREW		*		1
8	23026206	SCREW		*		1
9	23025307	HOLDER		*		1
10	23025406	HOOK PLATE		*		1
11	23026404	FELT		*		1
12	10723104	PRESSER SETSCREW		*		3
13	22814008	SCREW		*		2
14	SS1092810SP	SCREW 9/64-40 L=25.4				1
15	B9117201000	BOBBIN				1
16	23044159	HOOK WITH CAP ASM.				1
17	23044100	OUTER HOOK		*		1
18	23044258	INNER HOOK ASM.		*		1
19	23044357	CAP ASM.		*		1
20	23044308	CAP		*		1
21	23044704	TENSION SPRING		*		1
22	23044803	SCREW		*		1
23	23044902	TENSION SPRING SETSCREW		*		1
24	23044407	INNER HOOK PRESSER		*		1
25	23044506	REVERSE PLATE		*		1
26	23026404	FELT		*		1
27	10723104	PRESSER SETSCREW		*		3
28	B9117051000	BOBBIN	FOR PLC-1691			1

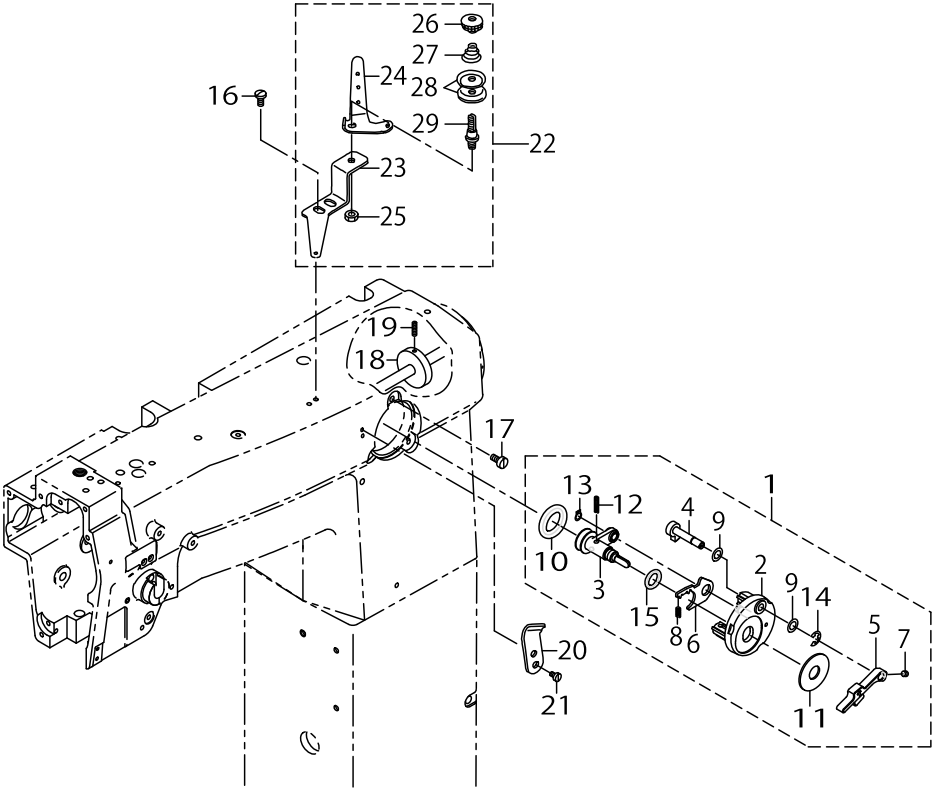
THREAD TENSION COMPONENTS



THREAD TENSION COMPONENTS

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
1	23009467	THREAD TENSION ASM.				1
2	23009459	TENSION POST COMPL.		*		1
3	10320109	SCREW STUD		*		1
4	B3128051000	THREAD TAKE-UP SPRING A		*		1
5	B31375270A0	TAKE-UP SPRING GUIDE ASM.		*		1
6	B3125012000	THREAD TENSION NUT		*		1
7	B3127051000	TENSION RELEASE PIN SHORT		*		1
8	B3126051000	TENSION DISC		*		2
9	B3132051000	TENSION DISC HOLDER		*		1
10	B3129053000	TENSION SPRING		*		1
11	B3120125000	ROTATING STOPPER		*		1
12	11072204	TENSION NUT		*		1
13	10124204	THREAD TENSION POST A		*		1
14	B3214047000	BOBBIN WINDER TENSION DISC		*		2
15	D3168555H0B	TENSION SPRING NO.1		*		1
16	11072402	THREAD TENSION NUT		*		1
17	B3134521000	TENSION RELEASE LEVER		*		1
18	SS3090710TP	SCREW 9/64-40 L=7		*		1
19	SD0470281SP	HINGE SCREW D=4.7 H=2.8		*		2
20	NS6110310SP	NUT 11/64-40		*		1
21	23006406	TENSION RELEASE BAR				1
22	PS0600502KP	SPRING PIN				1
23	SS7110710SP	SCREW 11/64-40 L=7				2

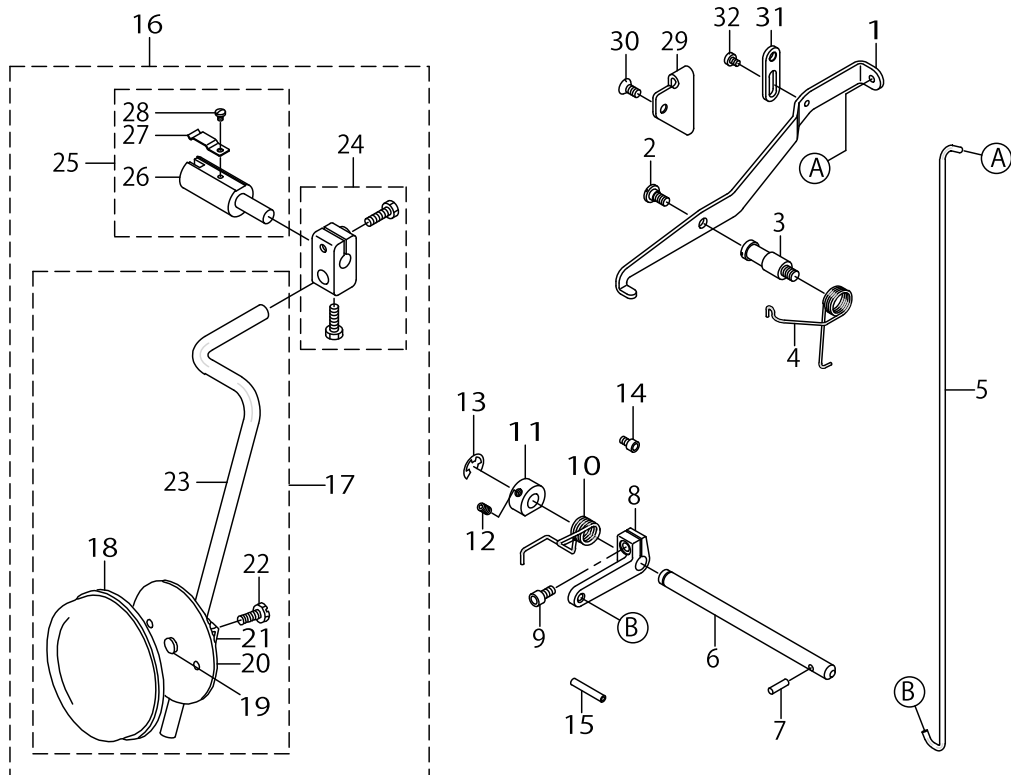
LOWER THREAD WINDER MECHANISM COMPONENTS



LOWER THREAD WINDER MECHANISM COMPONENTS

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
1	23009764	BOBBIN DEVICE ASM.				1
2	22537658	BOBBIN FITTING BASIS COMPL.		*		1
3	23009756	BOBBIN SHAFT COMPL.		*		1
4	22538151	BOBBIN CAM SHAFT COMPL.		*		1
5	22538300	BOBBIN LEVER		*		1
6	22538409	ADJUSTING PLATE		*		1
7	SS8110422TP	SCREW 11/64-40 L=4		*		1
8	B152989000CA	PRESSUR FOOT SPRING		*		1
9	10618304	VERTICAL ROLLER WASHER		*		2
10	A321600100A	RUBBER RING		*		1
11	B3205210000	CUSHION		*		1
12	B1148555000	SPRING		*		1
13	RC0560711KP	RETAINING RING		*		1
14	RE0500000K0	E-RING		*		1
15	RO092270200	RUBBER RING		*		1
16	SS7621040SP	SCREW 3/16-32 L=9.5				2
17	SS6121030SP	SCREW 3/16-28 L=10				3
18	B3213205000	BOBBIN WINDER DRIVING WHEEL				1
19	SS8111610SP	SCREW 11/64-40 L=15.5				2
20	10502300	THREAD CUTTER				1
21	SS6090620SP	SCREW 9/64-40 L=6				2
22	10704153	BOBBIN THREAD GUIDE PLATE ASM.				1
23	10704104	BOBBIN THREAD GUIDE PLATE		*		1
24	10088003	THREAD GUIDE		*		1
25	NS6110310SP	NUT 11/64-40		*		1
26	B3216047000	BOBBIN WINDER TENSION NUT		*		1
27	D3168555H0B	TENSION SPRING NO.1		*		1
28	40113092	THREAD TENSION DISK		*		2
29	10124204	THREAD TENSION POST A		*		1

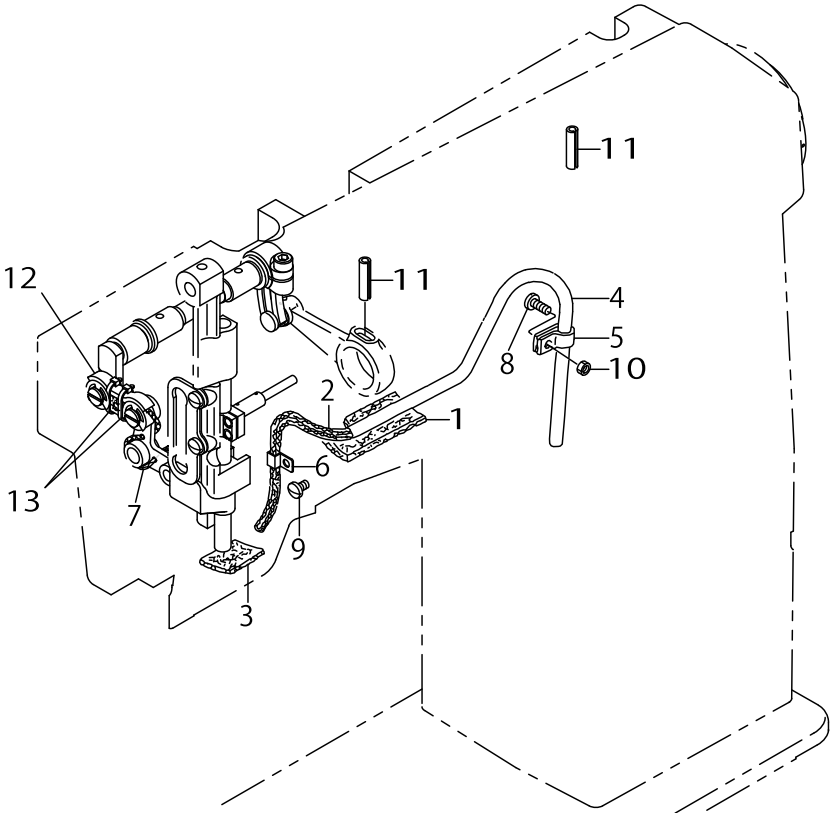
KNEE LIFTER COMPONENTS



KNEE LIFTER COMPONENTS

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
1	23037104	KNEE LIFTER LEVER				1
2	SD0790361SP	HINGE SCREW D=7.94 H=3.6				1
3	10311504	HOLDER STUD				1
4	10312213	SPRING				1
5	23037609	KNEE LIFTER CONNECTING BAR				1
6	23037203	KNEE LIFTER SHAFT				1
7	B3432521000	PIN				1
8	23037302	KNEE LIFTER ARM				1
9	SM6061202TP	SCREW M6 L=12				1
10	23038904	KNEE LIFTER SPRING				1
11	23037401	KNEE LIFTER STOPPER				1
12	SS8661012TP	SCREW				1
13	RE0900000K0	E-RING 9				1
14	SM6050802TP	SCREW M5X0.8 L=8				1
15	PS0500302KH	SPRING PIN 5X30				1
16	23037757	KNEE LIFTER VERTICAL SHAFT ASM				1
17	23037856	KNEE PRESS PLATE ASM.		*		1
18	B3431552000A	KNEE PRESS PLATE COVER		*		1
19	11024403	RUBBER		*		1
20	11023702	KNEE PRESS PLATE		*		1
21	11023801	KNEE PRESS PLATE HOLDER		*		1
22	SS9151540SR	SCREW 15/64-28 L=15		*		1
23	23037807	KNEE PRESS SHAFT		*		1
24	22932453	BRACKET ASM.		*		1
25	22863252	KNEE LIFTER JOINT ASM.		*		1
26	22863203	KNEE LIFTER JOINT		*		1
27	B3428521000	PRESSER SPRING		*		1
28	SS7090510SP	SCREW 9/64-40 L=4.6		*		1
29	23014400	KNEE LIFTER FRONT LEVER GUIDE				1
30	SS1151310TP	SCREW				1
31	23041403	KNEE LIFTER LEVER STOPPER				1
32	SS6110630TP	SCREW 11/64-40 L=6				1

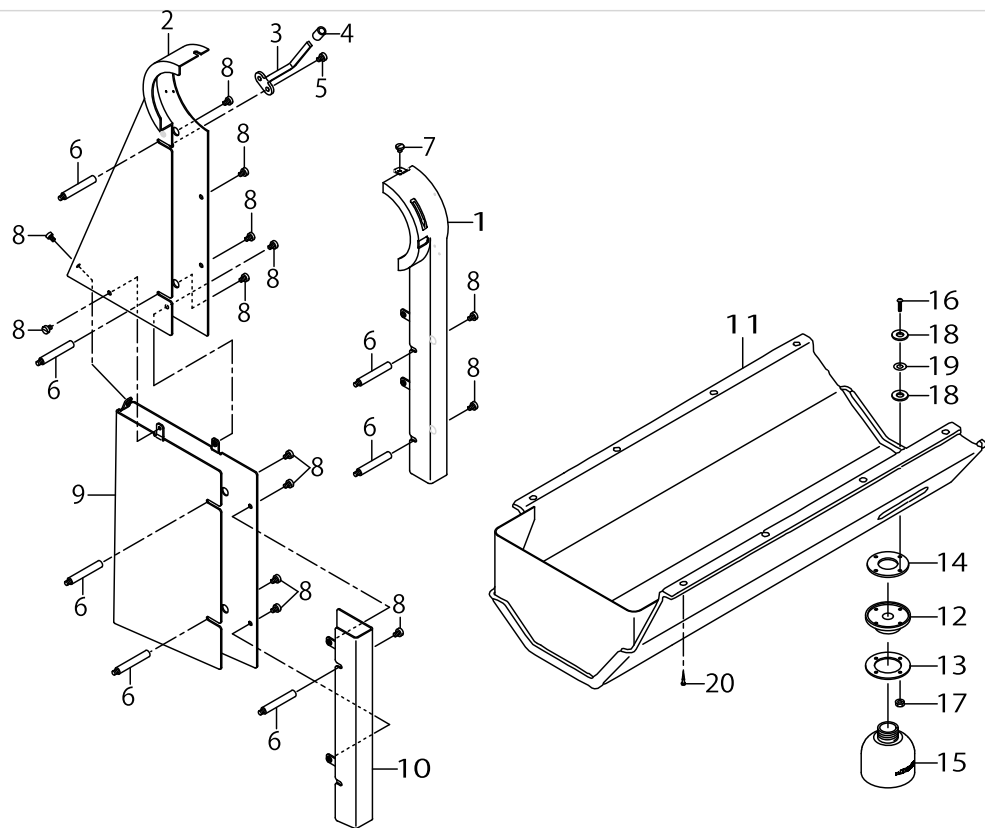
LUBRICATION COMPONENTS



LUBRICATION COMPONENTS

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
1	10321602	FELT				1
2	10321701	OIL RETURN WICK				1
3	B3526226000	OIL SPONGE				1
4	BP800000000	VINYL TUBE WHITE D=8				0.2
5	EA9502B0500	CABLE CLIP				1
6	B3508512000	OIL FELT HOLDER				1
7	CQ202000000	OIL WICK				0.3
8	SS7111140SP	SCREW 11/64-40 L=11				1
9	SS7110710SP	SCREW 11/64-40 L=7				1
10	NS6110310SP	NUT 11/64-40				1
11	PS060024100	SPRING PIN 6X24				2
12	23014608	CONNECTING LINK FELT				1
13	EA9500B0000	CABLE BAND				2

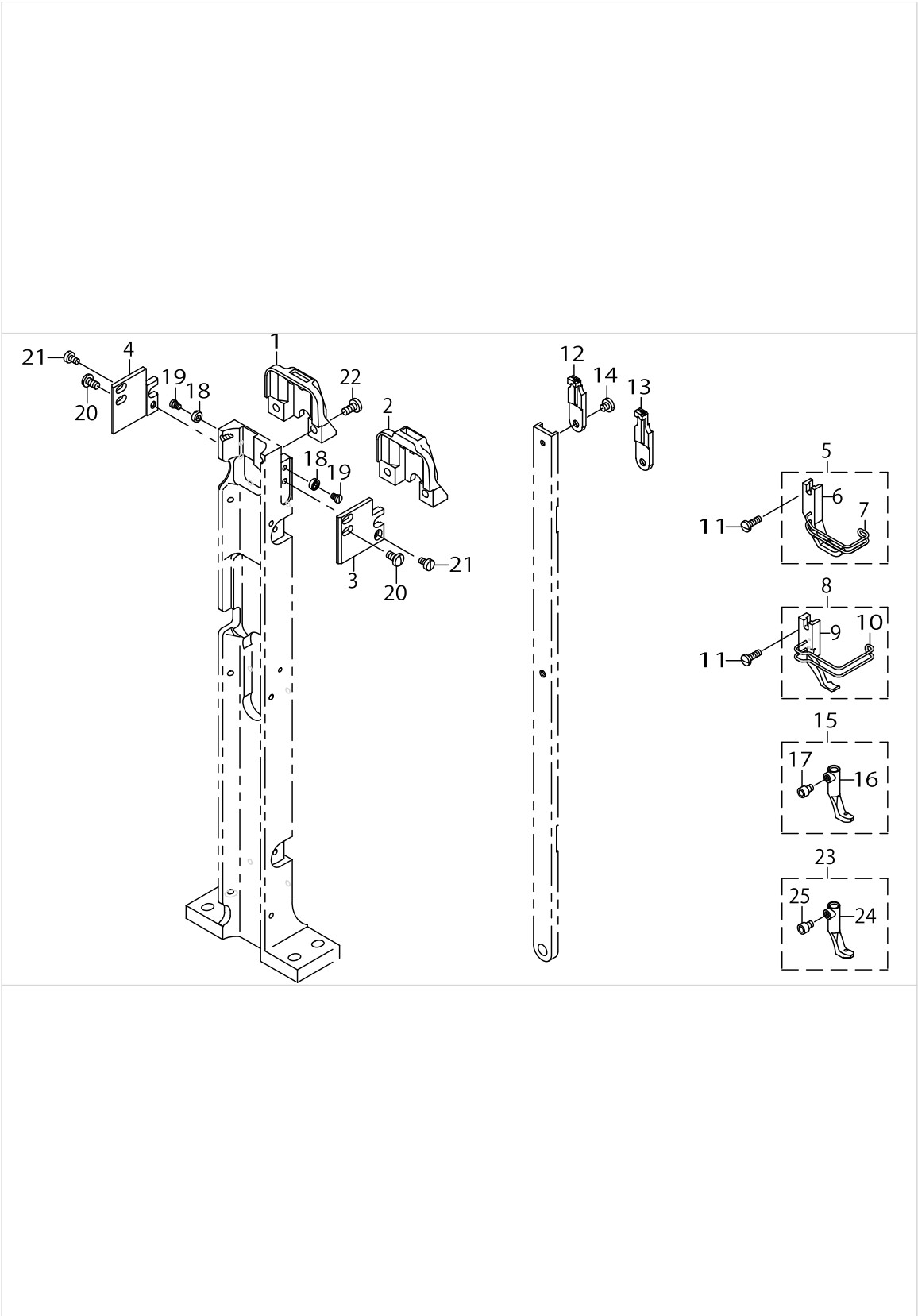
BELT COVER & OIL RESERVOIR COMPONENTS



BELT COVER & OIL RESERVOIR COMPONENTS

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
1	23012859	BELT COVER (LABEL STICK)				1
2	23012909	BELT COVER (REAR)				1
3	23013105	SYNCHRO SUPPORT				1
4	BT0630520Z0	HOLDER COVER				0.02
5	SS6110610TP	SCREW 11/64-40 L=6				2
6	D8232141E00	BELT COVER SUPPORT				7
7	SS7110510SP	SCREW 11/64-40 L=5				1
8	SS6110610TP	SCREW 11/64-40 L=6				14
9	23038102	BELT COVER REAR LOWER				1
10	23038003	BELT COVER FRONT LOWER				1
11	10772952	OIL RESERVOIR ASM.				1
12	40025299	OIL POT JOINT				1
13	21379003	OIL MANAGEMENT WASHER				1
14	B8112220000	OIL SEAL				1
15	40025300	OIL POT				1
16	SM3031401SE	SCREW M3X0.5 L=14				4
17	NM6030001SC	NUT M3				4
18	10748101	OIL REMOVING SETSCREW PACKING				8
19	WP0320501SC	WASHER M3				4
20	SK3241601SC	WOOD SCREW D=2.4 L=16				8

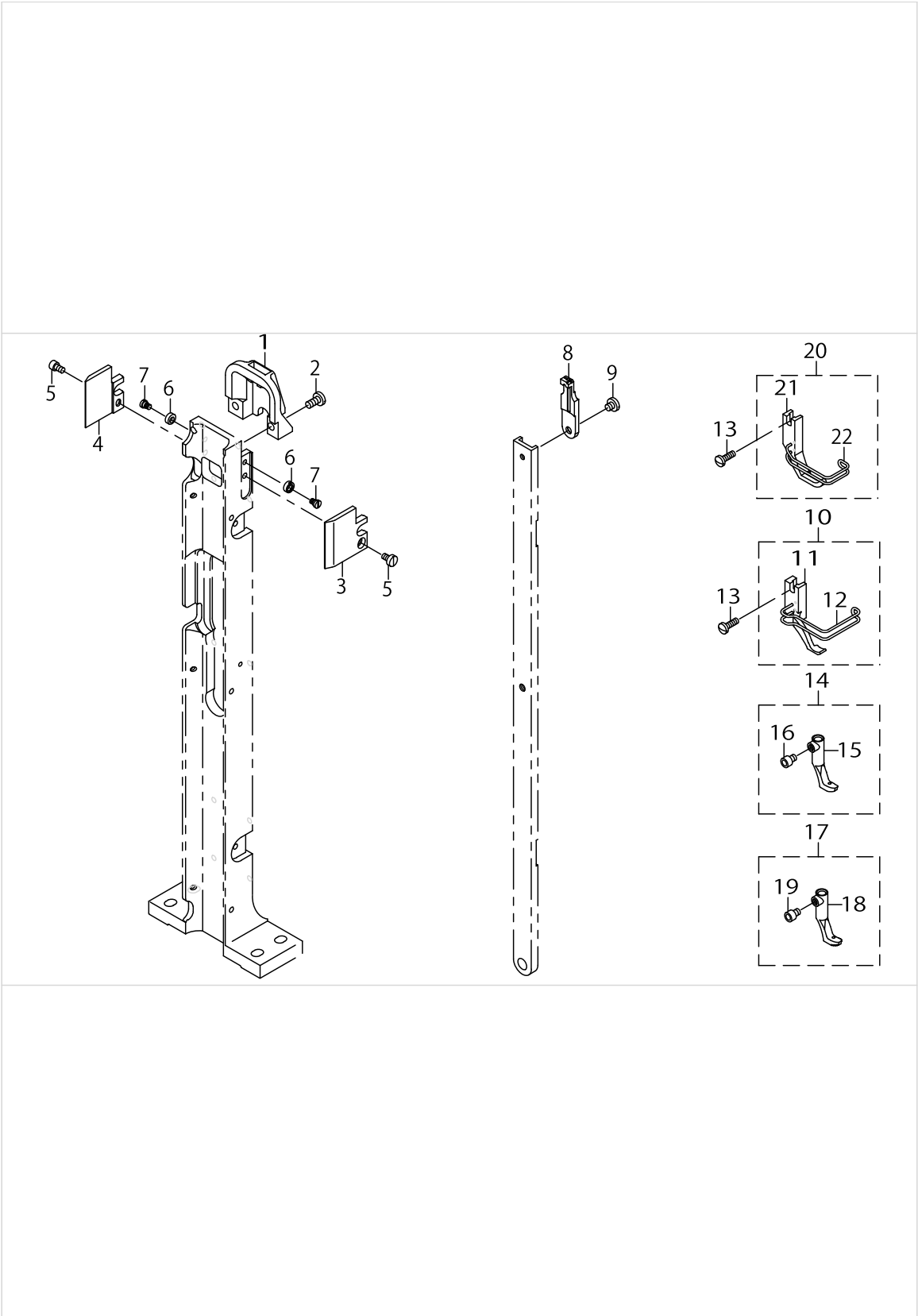
GAUGE COMPONENTS (FOR PLC-1690)



GAUGE COMPONENTS (FOR PLC-1690)

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
1	23041205	THROAT PLATE (FLAT TYPE)				1
2	23041106	THROAT PLATE	OPTIONAL PARTS			1
3	23040702	THROAT PLATE A				1
4	23040801	THROAT PLATE B				1
5	23041551	PRESSER FOOT ASM.				1
6	23041502	PRESSER FOOT		*		1
7	21444708	FINGER GUARD		*		1
8	23041650	PRESSER FOOT ASM.	OPTIONAL PARTS			1
9	23041601	PRESSER FOOT		*		1
10	23019409	FINGER GUARD		*		1
11	SS7091110TP	SCREW 9/64-40 L=10.5				1
12	23042500	FEED DOG				1
13	23042609	FEED DOG	OPTIONAL PARTS			1
14	SS7110410SP	SCREW 11/64-40 L=4				1
15	23043656	FEED FOOT ASM.				1
16	23043607	FEED FOOT		*		1
17	SM6040552TP	SCREW M4 L=4.5		*		1
18	23007503	ECCENTRIC ROLLER				2
19	23007602	HINGE SCREW				2
20	SS5110810SP	SCREW 11/64-40 L=8				4
21	SS6090620SP	SCREW 9/64-40 L=6				2
22	SS7110910SP	SCREW 11/64-40 L=8.5				2
23	23043755	FEED FOOT ASM.	OPTIONAL PARTS			1
24	23043706	FEED FOOT		*		1
25	SM6040552TP	SCREW M4 L=4.5		*		1

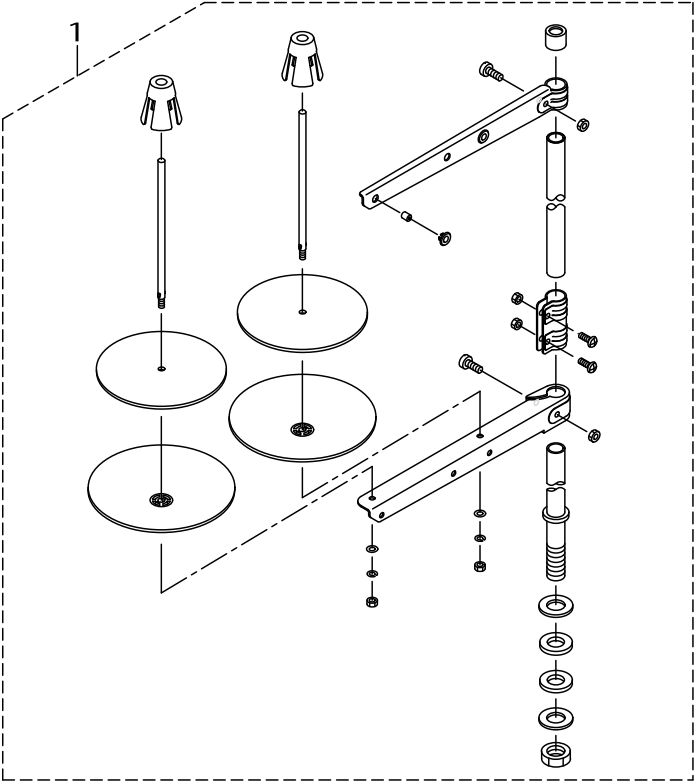
GAUGE COMPONENTS (FOR PLC-1691)



GAUGE COMPONENTS (FOR PLC-1691)

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
1	23040207	THROAT PLATE				1
2	SS7110910SP	SCREW 11/64-40 L=8.5				2
3	23040900	PRESSER FOOT BRACKET A				1
4	23041007	PRESSER FOOT BRACKET B				1
5	SS6090620SP	SCREW 9/64-40 L=6				4
6	23007503	ECCENTRIC ROLLER				2
7	23007602	HINGE SCREW				2
8	23042609	FEED DOG				1
9	SS7110410SP	SCREW 11/64-40 L=4				1
10	23041650	PRESSER FOOT ASM.				1
11	23041601	PRESSER FOOT		*		1
12	23019409	FINGER GUARD		*		1
13	SS7091110TP	SCREW 9/64-40 L=10.5				1
14	23043656	FEED FOOT ASM.				1
15	23043607	FEED FOOT		*		1
16	SM6040552TP	SCREW M4 L=4.5		*		1
17	23043755	FEED FOOT ASM.	OPTIONAL PARTS			1
18	23043706	FEED FOOT		*		1
19	SM6040552TP	SCREW M4 L=4.5		*		1
20	23041551	PRESSER FOOT ASM.	OPTIONAL PARTS			1
21	23041502	PRESSER FOOT		*		1
22	21444708	FINGER GUARD		*		1

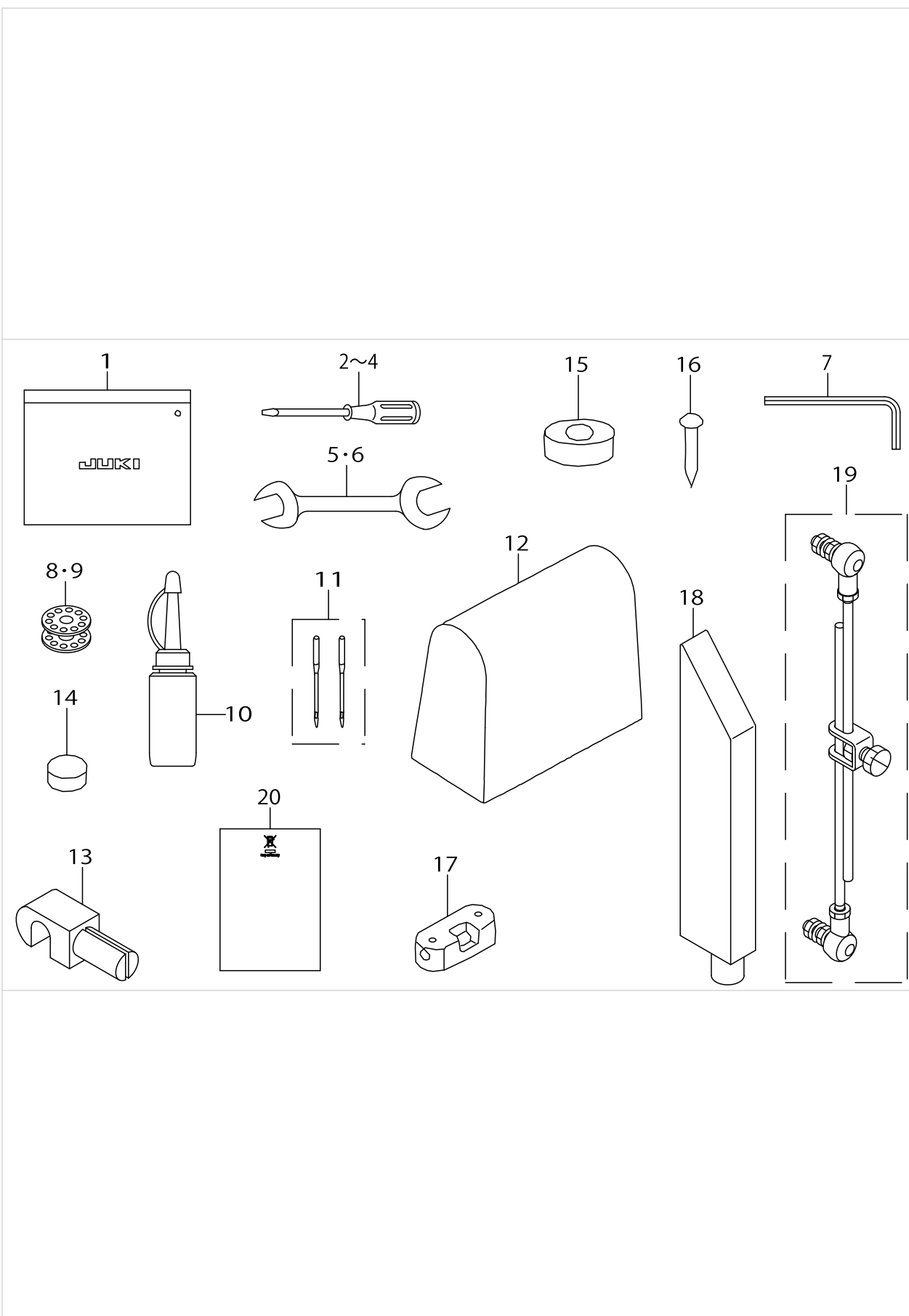
THREAD STAND COMPONENTS



THREAD STAND COMPONENTS

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
1	40096354	THREAD STAND ASM.				1

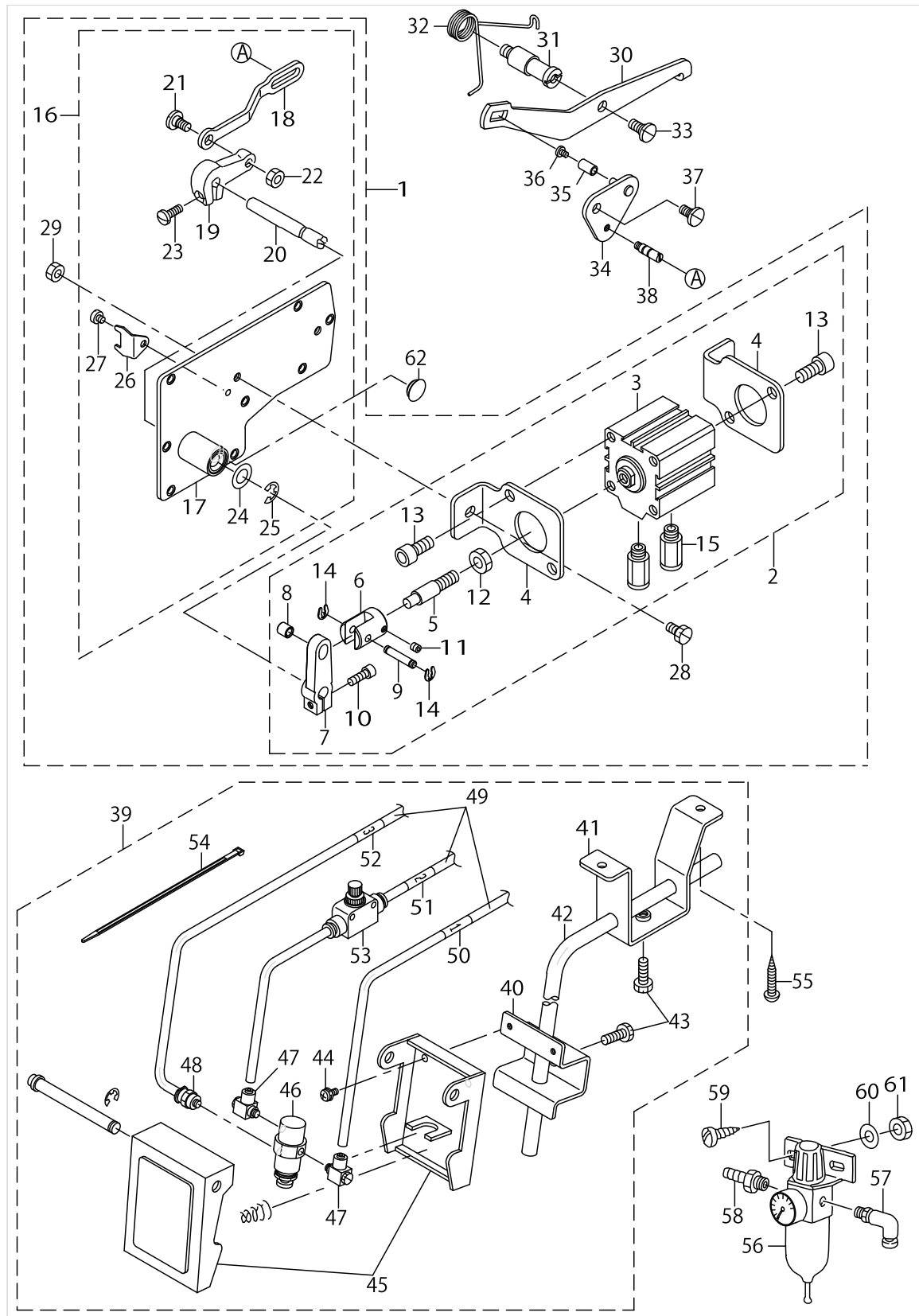
ACCESSORIES PARTS COMPONENTS



ACCESSORIES PARTS COMPONENTS

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
1	B9101552000	ACCESSORY BOX	FOR PLC-1691			1
2	22933006	SCREW DRIVER LARGE				1
3	B9110012000	SCREW DRIVER MIDDLE				1
4	B9111012000	SCREW DRIVER SMALL				1
5	B9143372000	WRENCH (7.1 X 8.1)				1
6	B9113012000	WRENCH (9X10)				1
7	B9141372000	HEXAGONAL WRENCH LARGE				1
8	B9117201000	BOBBIN				1
9	B9117012000	BOBBIN				1
10	B91212200A0	OILER (CONTAINING NO.2 OIL)				1
11	MC321001202	NEEDLE 134-35 #120-2				1
12	40048536	HEAD_COVER				1
13	B8213012000	BED HINGE CONNECTION				2
14	B8206012000	FELT CUSHION				4
15	B8209012000	RUBBER CUSHION				4
16	10539906	SET NAIL				8
17	10529600	WASHER				2
18	23038607	FRAM SUPPORT BAR				1
19	22958458	CONNECTING ROD ASM. B				1
20	CM600100201	WEEE INFORMATION SHEET				1

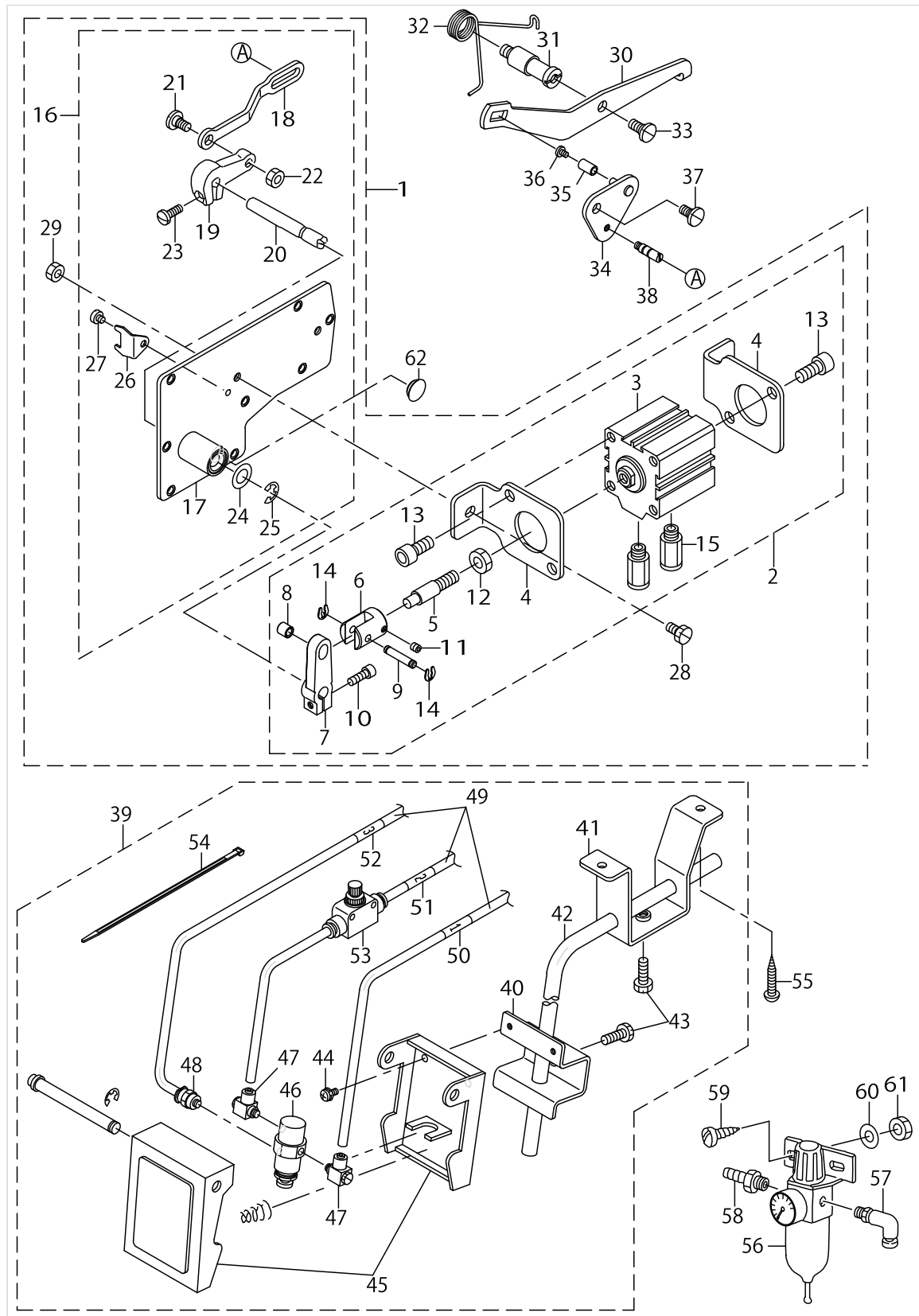
PRESSER LIFTING SOLENOID TYPE AK-131A COMPONENTS (FOR OPTION)



PRESSER LIFTING SOLENOID TYPE AK-131A COMPONENTS (FOR OPTION)

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
1	GAKA16010A0	AK DRIVING LINK ASM.				1
2	GAKA16030A0	AK CYLINDER ASM.		*		1
3	PA400200200	AIR CYLINDER		*		1
4	GAKA1604000	AK CYLINDER BASE		*		2
5	GAKA1605000	CYLINDER CONNECTING SHAFT		*		1
6	GAK33035000	SOLENOID COLLAR		*		1
7	GAK33011000	SOLENOID ARM A		*		1
8	GAK33013000	SOLENOID PIN COLLAR		*		1
9	GAK33012000	SOLENOID PIN		*		1
10	SM6051552TP	SCREW M5 L=15		*		1
11	SM8050502TP	SCREW M5 L=5		*		1
12	NM6080001SE	NUT M8		*		1
13	SM6081802TP	SCREW		*		4
14	GAK33014000	SNAP RING		*		2
15	PJ301065104	HALF UNION		*		2
16	GAKA16020A0	AK WINDOW PLATE ASM.		*		1
17	GAKA16020B0	WINDOW PLATE ASM.		*		1
18	GAKA1606000	SOLENOID LINK		*		1
19	GAK33027000	SOLENOID ARM		*		1
20	GAK33028000	SOLENOID SHAFT		*		1
21	SD0720331SP	HINGE SCREW D=7.24 H=3.3		*		1
22	NS6150310SP	NUT 15/64-28		*		1
23	SS7121410TP	SCREW 3/16-28 L=14		*		1
24	WP1021016SD	WASHER		*		1
25	RE0700000K0	E-RING 7		*		1
26	GAK33024000	SOLENOID LINK HOLDER		*		1
27	SS6110480SP	SCREW 11/64-40 L=4.3		*		1
28	SS9151160CP	SCREW 15/64-28 L=10.5		*		2
29	NS6150310SP	NUT 15/64-28		*		2
30	10312106	KNEE LIFTER FRONT LEVER				1
31	10311504	HOLDER STUD				1
32	10312213	SPRING				1
33	SD0790361SP	HINGE SCREW D=7.94 H=3.6				1
34	GAKA16070A0	KNEE LIFT REAR LEVER ASM.				1
35	10311801	LEVER SHAFT ROLLER				1
36	SS7090530SP	SCREW 9/64-40 L=4.5				1
37	SD0720331SP	HINGE SCREW D=7.24 H=3.3				1
38	GAK88040000	PIN				1
39	GAKA16080A0	KNEE LIFTER SWITCH ASM.				1
40	GAK81007000	KNEE LIFTER SWITCH BRACKET		*		1
41	GAK81008000	HOLDER		*		1
42	GAK81009000	ROD		*		1
43	SM9061850SC	SCREW M6 L=18		*		2
44	SL4041091SC	SCREW M4 L=10		*		2
45	PX020002000	ACTUATOR		*		1
46	PV010502000	AIR VALVE		*		1
47	PJ046059002	ELBOW		*		2

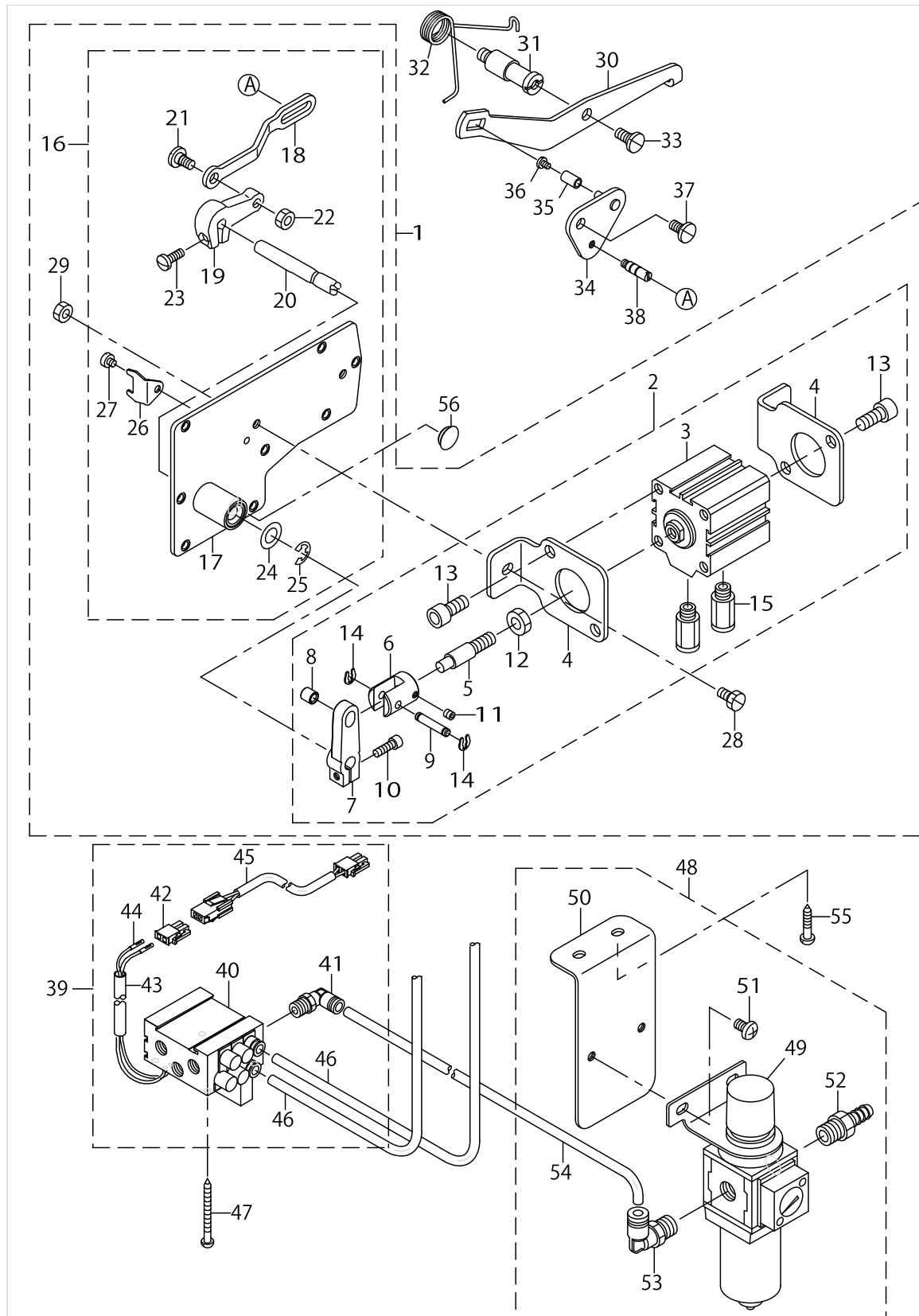
PRESSER LIFTING SOLENOID TYPE AK-131A COMPONENTS (FOR OPTION)



PRESSER LIFTING SOLENOID TYPE AK-131A COMPONENTS (FOR OPTION)

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
48	PJ301060504	JOINT		*		1
49	BT0600401EB	TUBE		*		4.34
50	18035006	CABLE MARK NO.1		*		1
51	18035105	WIRE MARK (2)		*		1
52	18035204	WIRE MARK (3)		*		1
53	PC012601000	SPEED CONTROLLER		*		1
54	EA9500B0200	CABLE BAND 150		*		1
55	SK3513200SC	WOOD SCREW D=5.1 L=32				2
56	PF0552100A0	FILTER REGULATOR ASM.				1
57	PJ304065201	ELBOW UNION 6XPT1/4				1
58	F1021003000	HOSE JOINT				1
59	SL4041291SC	SCREW M4 L=12				2
60	WP0430801SC	WASHER 4.3X9X0.8				2
61	NM6040001SC	NUT M4				2
62	TA1250406R0	RUBBER PLUG D=12.5 L=4				1

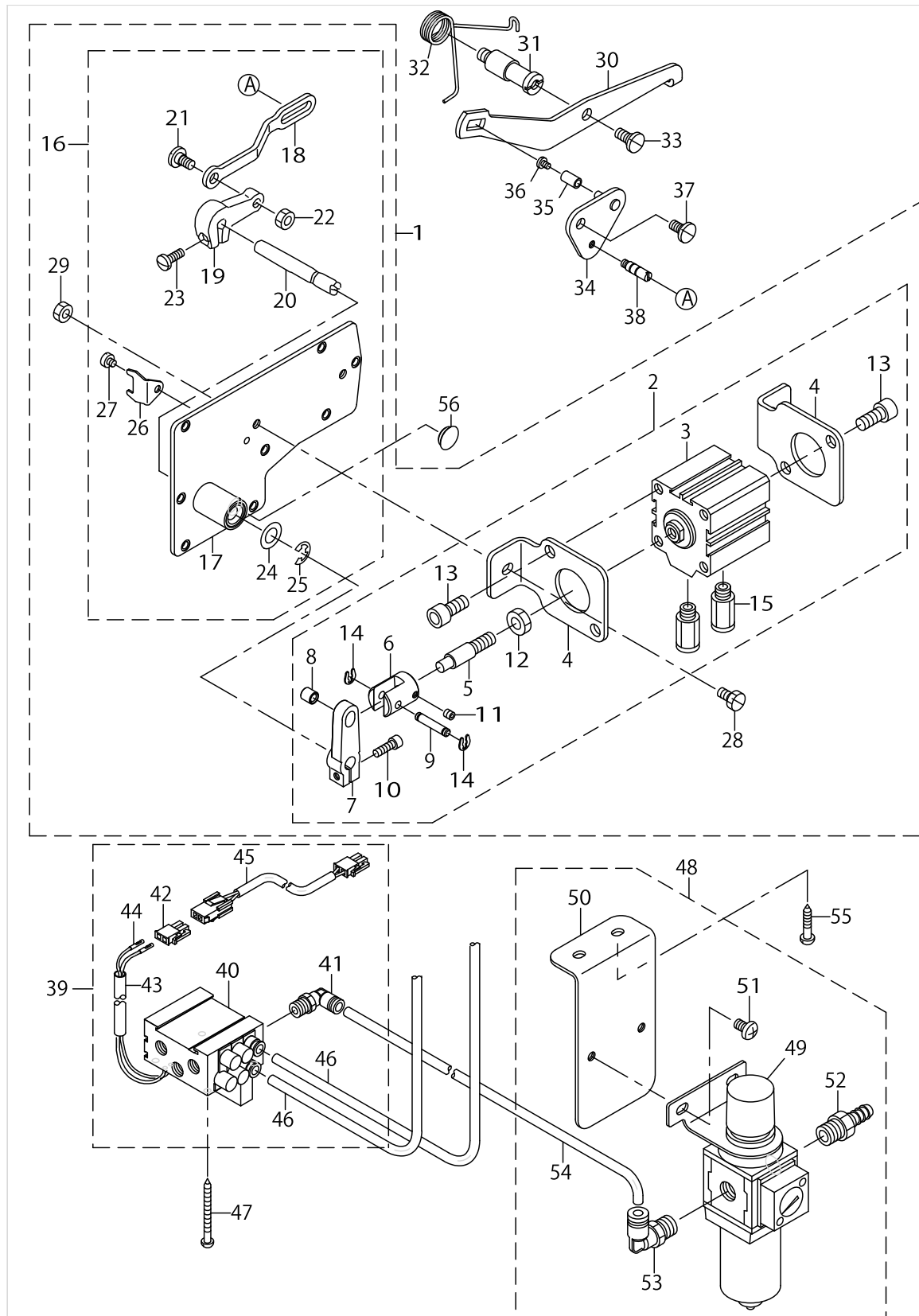
PRESSER LIFTING SOLENOID TYPE AK-146B COMPONENTS (FOR OPTION)



PRESSER LIFTING SOLENOID TYPE AK-146B COMPONENTS (FOR OPTION)

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
1	GAKA16010A0	AK DRIVING LINK ASM.				1
2	GAKA16030A0	AK CYLINDER ASM.		*		1
3	PA400200200	AIR CYLINDER		*		1
4	GAKA1604000	AK CYLINDER BASE		*		2
5	GAKA1605000	CYLINDER CONNECTING SHAFT		*		1
6	GAK33035000	SOLENOID COLLAR		*		1
7	GAK33011000	SOLENOID ARM A		*		1
8	GAK33013000	SOLENOID PIN COLLAR		*		1
9	GAK33012000	SOLENOID PIN		*		1
10	SM6051552TP	SCREW M5 L=15		*		1
11	SM8050502TP	SCREW M5 L=5		*		1
12	NM6080001SE	NUT M8		*		1
13	SM6081802TP	SCREW		*		4
14	GAK33014000	SNAP RING		*		2
15	PJ301065104	HALF UNION		*		2
16	GAKA16020A0	AK WINDOW PLATE ASM.		*		1
17	GAKA16020B0	WINDOW PLATE ASM.		*		1
18	GAKA1606000	SOLENOID LINK		*		1
19	GAK33027000	SOLENOID ARM		*		1
20	GAK33028000	SOLENOID SHAFT		*		1
21	SD0720331SP	HINGE SCREW D=7.24 H=3.3		*		1
22	NS6150310SP	NUT 15/64-28		*		1
23	SS7121410TP	SCREW 3/16-28 L=14		*		1
24	WP1021016SD	WASHER		*		1
25	RE0700000K0	E-RING 7		*		1
26	GAK33024000	SOLENOID LINK HOLDER		*		1
27	SS6110480SP	SCREW 11/64-40 L=4.3		*		1
28	SS9151160CP	SCREW 15/64-28 L=10.5		*		2
29	NS6150310SP	NUT 15/64-28		*		2
30	10312106	KNEE LIFTER FRONT LEVER				1
31	10311504	HOLDER STUD				1
32	10312213	SPRING				1
33	SD0790361SP	HINGE SCREW D=7.94 H=3.6				1
34	GAKA16070A0	KNEE LIFT REAR LEVER ASM.				1
35	10311801	LEVER SHAFT ROLLER				1
36	SS7090530SP	SCREW 9/64-40 L=4.5				1
37	SD0720331SP	HINGE SCREW D=7.24 H=3.3				1
38	GAK88040000	PIN				1
39	40103004	AIR APPARATUS ASM.				1
40	40038904	MAGNETIC VALVE(P)		*		1
41	GAK29010000	ELBOW B		*		1
42	HK034610020	2-POLE NYLON PLUG		*		1
43	GAKA1503000	INSULATION TUBE		*		1
44	HK03464000A	TERMINAL FEMALE		*		2
45	GAKA14020A0	CORD ASM.		*		1
46	BT0600401EB	TUBE		*		2
47	SK3385001SE	WOOD SCREW D=3.8 L=50				4

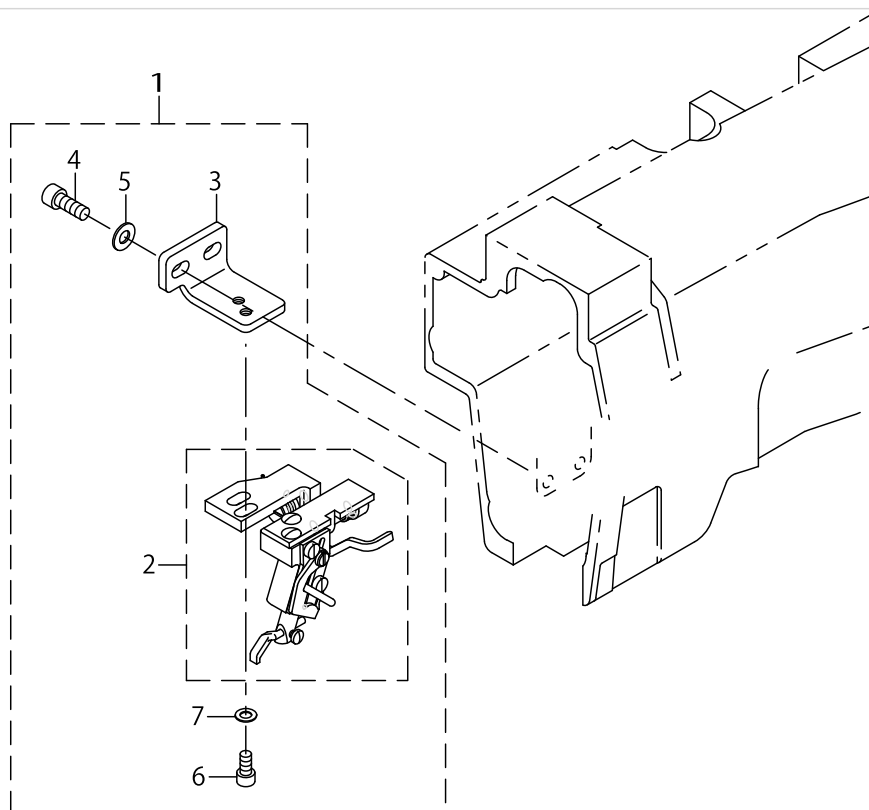
PRESSER LIFTING SOLENOID TYPE AK-146B COMPONENTS (FOR OPTION)



PRESSER LIFTING SOLENOID TYPE AK-146B COMPONENTS (FOR OPTION)

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
48	40038722	FILTER REGULATAR ASM.				1
49	PF0552170A0	FILTER REGULATOR		*		1
50	40038723	FILTER REGULATOR MOUNTING PLAT		*		1
51	SM4061001SB	SCREW M6 L=10		*		2
52	40107618	NIPPLE		*		1
53	GAK29009000	ELBOW		*		1
54	BT0600401EB	TUBE		*		1
55	SK3482501SE	WOOD SCREW D=4.8 L=25				2
56	TA1250406R0	RUBBER PLUG D=12.5 L=4				1

SWING EDGE GUIDE (FOR OPTION)



SWING EDGE GUIDE (FOR OPTION)

No.	Parts No.	Parts name	Remarks	Level	Cons	Qty
1	MAH122010A0	RULER ASM.				1
2	MAH122010B0	RULER ASM.		*		1
3	23038201	ATTACHMENT FITTING PLATE		*		1
4	SM6061602TP	SCREW M6 L=16		*		2
5	WP0621016SD	WASHER 6.2X13X1		*		2
6	SM6051002TP	SCREW M5X0.8 L=10		*		2
7	WP0520656SA	WASHER 5.2X9.5X0.6		*		2

LIST FOR INFORMATION OF CHANGE

As to the place changed, refer to the corresponding Rev.No.
When previous parts(Obsoleted part)and new parts(Added parts)are
not interchangeable with each other:
In this case, even obsoleted parts(D.) can be ordered with the
obsoleted part number, so select the parts with changed dates and
place your orders.

変更箇所は、該当Rev.No.版をご参照ください。
部品の互換性がない変更の場合は、削除された品番でも、ご注文できます。

No.1253-05・・・Rev.No.

*A:Added parts追加部品/D:Obsoleted parts削除部品/E:Erratum訂正

[illegible]

HOW TO MAKE USE OF THIS PARTS LIST

1.Explanation of codes

1)"*"mark.....means this part is changed from the previous parts book.

As to the details of the change, refer to the "List for information of change".

2)"#01".....refer to "Note" explanation at bottom of page.

2.Codes on the "Qty" column

- Each numeral indicates the number of parts required.
- "0.1" and "2.5" indicate the length (in meters) of the respective parts.

3.Parentheses mean that the corresponding part is a subpart that constructs an assembly part.

4.Dotted lines on the Figures indicate assembly parts.

1."注記"欄の記号説明

1) "*"印.....前回のパーツブックに比較して今回変更された部品を意味します。

変更内容は、"変更情報リスト"を参照してください。

2) "#01".....ページ下の"注記"の説明を参照してください。

2.数量欄の数字は、個数を表し、0.1、2.5等の数値は、長さ（単位メートル）を表します。

3.数量欄の（ ）は、組部品を構成している子部品であることを意味します。

4.イラストページの-----枠は、組構成であることを意味します。

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10107506	14	34	10748101	30	18	23001001	6	5
10107902	14	11	10772952	30	11	23001209	6	23
10111904	18	16~19	10774008	2	6	23001407	6	36
10112001	18	16~19	11023702	26	20	23001506	6	37
10112100	18	16~19	11023801	26	21	23001605	6	44
10112209	18	16~19	11024403	26	19	23001704	6	47
10124204	22	13	11072204	22	12	23001803	8	50
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10207116	14	32	18035204	42	52	23002405	10	10
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10301307	10	3	21010608	18	37	23002702	10	19
10301950	2	1	21010707	18	40	23002801	12	33
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10310712	12	30	21427307	18	2	23003304	14	10
10311504	26	3	21444708	32	7	23003353	14	9
10311504	40	31	21444708	34	22	23003403	14	14
10311504	44	31	22537658	24	2	23003502	18	27
10311801	40	35	22538151	24	4	23003601	14	22
10311801	44	35	22538300	24	5	23003700	14	24
10312106	40	30	22538409	24	6	23004104	10	22
10312106	44	30	22603708	2	39	23004203	18	1
10312213	26	4	22603906	8	52	23004302	18	3
10312213	40	32	22609200	14	4	23004500	18	12
10312213	44	32	22609606	14	6	23004708	18	29
10315109	14	2	22610109	14	28	23004906	18	15
10315208	14	3	22610406	14	29	23006406	22	21
10315505	14	5	22611602	6	12	23006505	12	1
10320109	22	3	22611651	6	11	23006604	12	3
10321602	28	1	22814008	20	13	23006703	12	4
10321701	28	2	22863203	26	26	23006802	12	5
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SS8110422TP	24	7	WP0520656SA	48	7			
SS8111610SP	24	19	WP0621016SD	14	13			
SS8150310SP	12	16	WP0621016SD	48	5			
SS8150510TP	6	27	WP0650876SD	10	24			
SS8150710SP	6	28	WP0651056SD	16	54			
SS8150710SP	18	35	WP0651056SD	18	22			
SS8150710TP	18	28	WP1021016SD	40	24			