

Barudan

COMPUTERIZED MONOGRAM MACHINE

MODEL **BEAT** ⁸⁰²_{M802} -YS

PARTS LIST

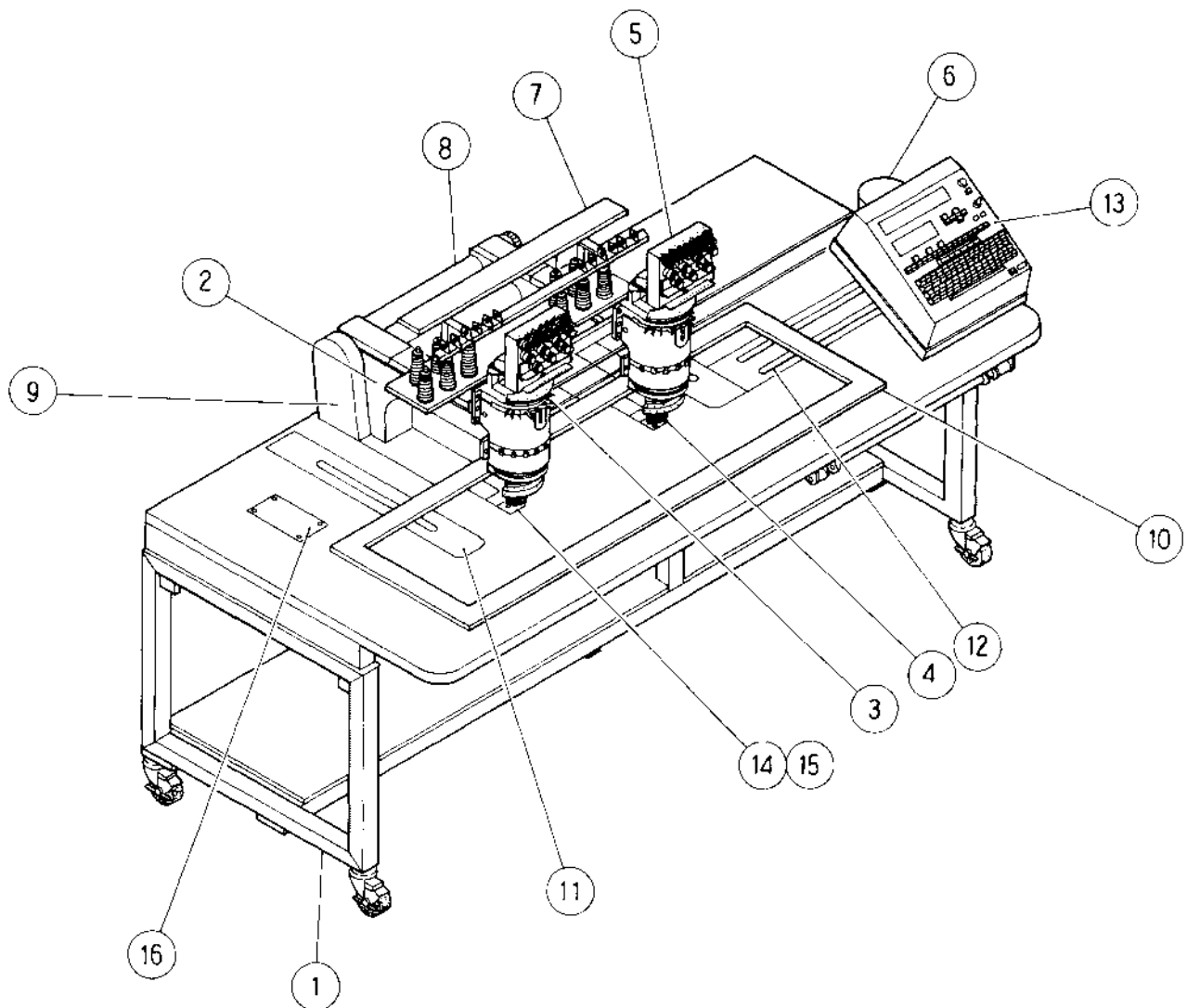
BEAT-802 • M802-Y S

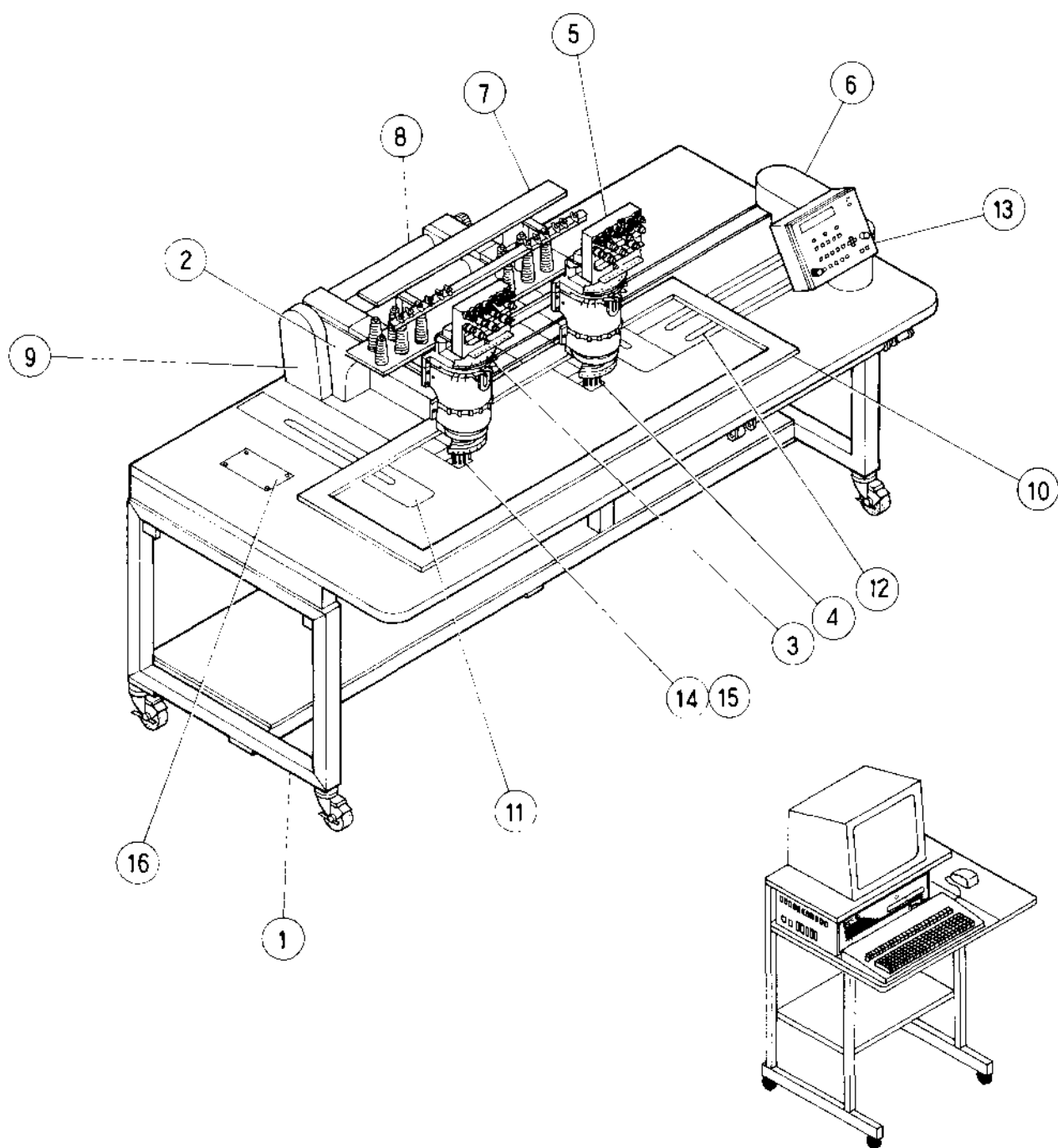
PARTS LIST

Contents

ITEM No.	
Machine layout	1
①Frame • Table a'ssy	3
②Sewing head a'ssy	5
③Take up lever mechanism	7
④Needle bar • Jump mechanism	9
⑤Thread guide mechanism	1 1
⑥Color change mechanism	1 3
⑦Option	1 5
⑧Connecting shaft	1 7
⑨Drive mechanism	1 9
⑩Pantograph drive mechanism I	2 1
⑪Pantograph drive mechanism (H-Direction)II	2 3
⑫Pantograph drive mechanism (V-Direction)III	2 5
⑬Control system (BEAT-802) I	2 7
⑬Control system (BEAT-M802) II	2 9
⑭Thread cutting mechanism I	3 1
⑮Thread cutting mechanism II	3 3
⑯Thread cutting drive mechanismIII	3 5
INDEX	3 7

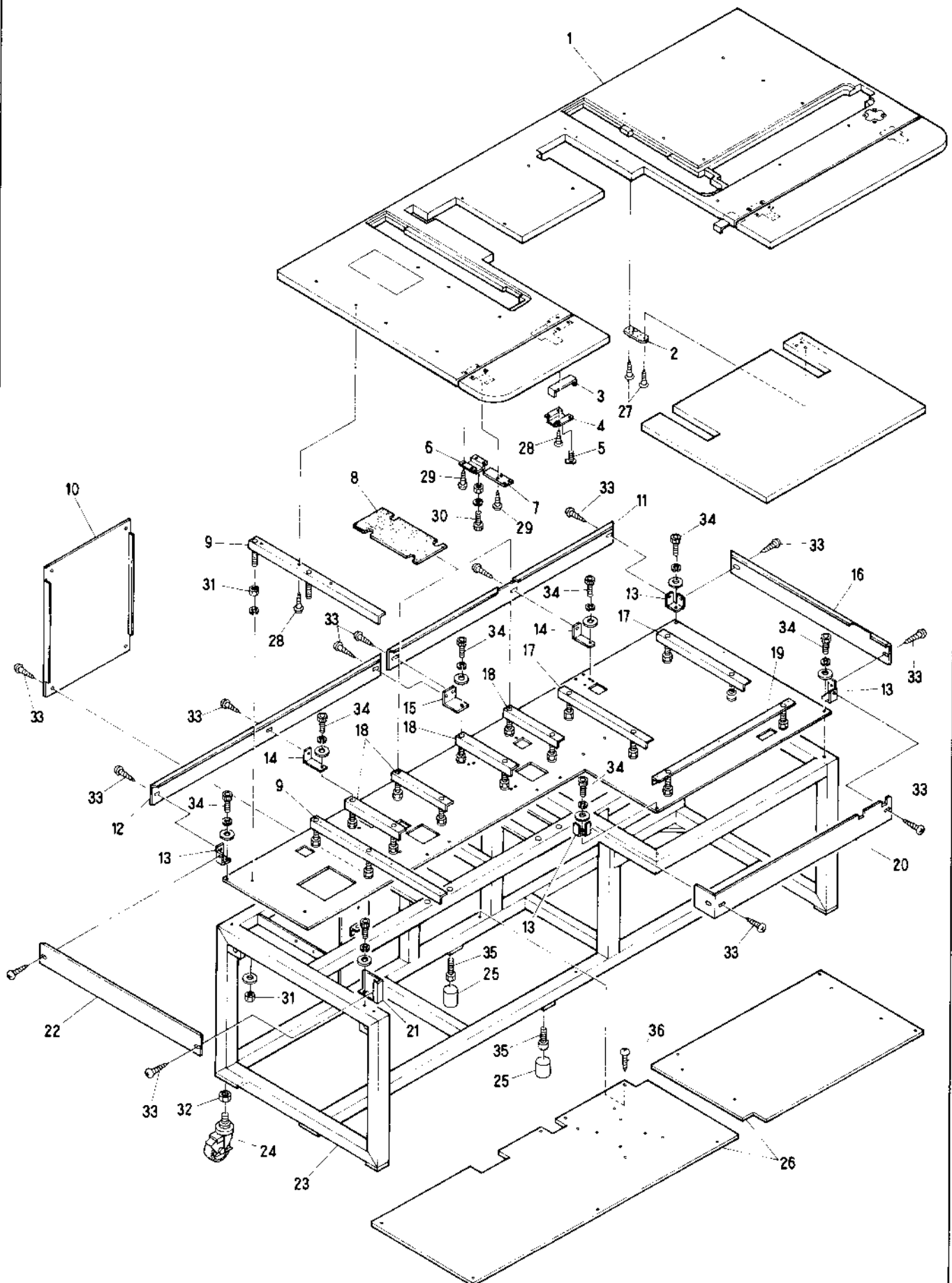
Please specify, in the following manner, your machine model, manufacturing number and embroidery space when you order us with the parts having ※ at the end of the part No. :





Barudan

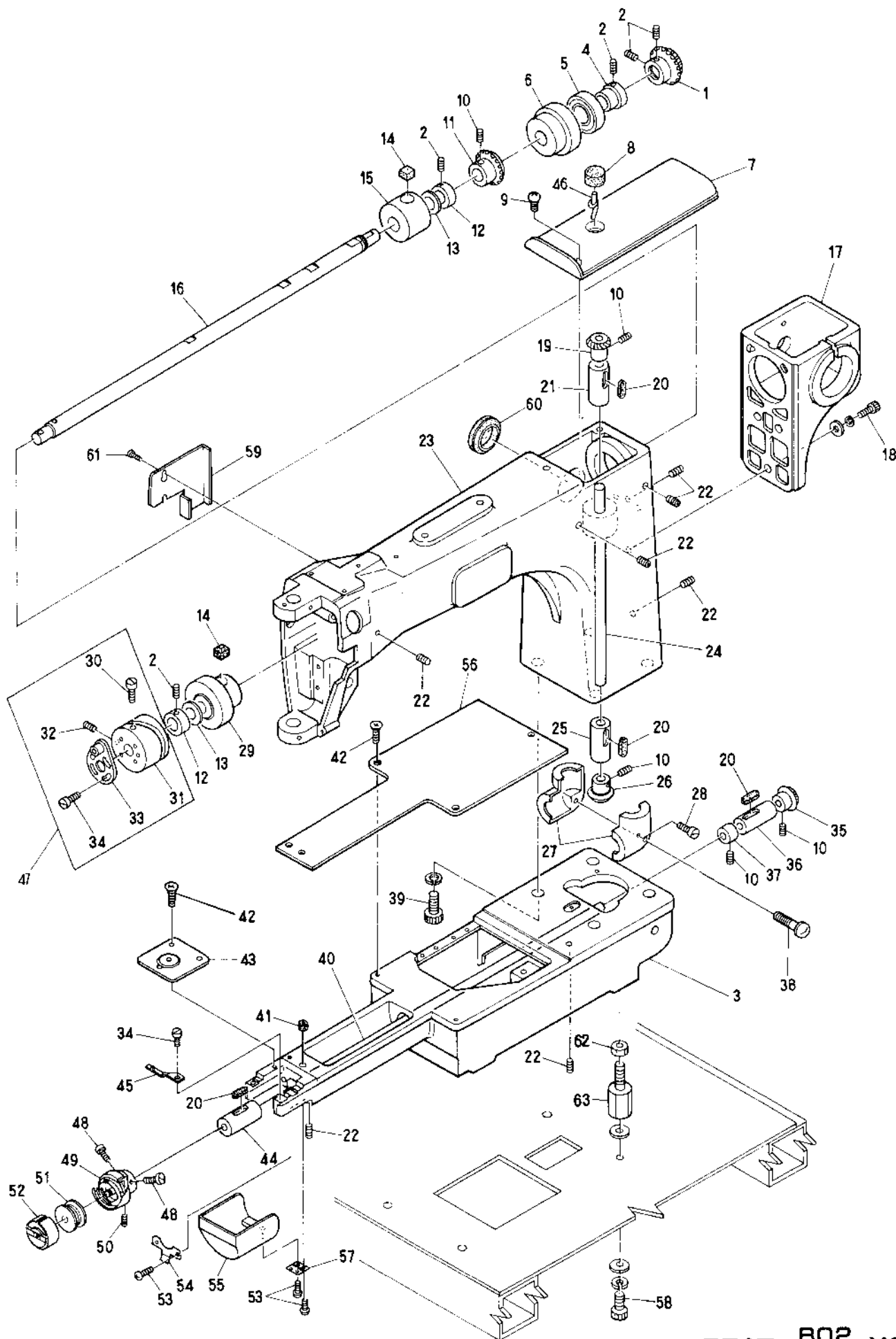
① Frame • Table a'ssy



MODEL BEAT 802-M802-YS

① Frame • Table a'ssy

ITEM	LIST	No	DESCRIPTION	QTY	REMARK
1	MT	20183	Table BEAT-802.320×450	1	
2	MA	51500	Center table butterfly plate	4	
3	MA	40310	Center table support plate	2	
4	MA	40320	Center table fixing plate bracket	2	
5	AGC	12032	Knob Bolt M8	2	
6	MA	40380	Table support bracket	4	
7	MA	40920	Table support AT	4	
8	MT	30330	Felt for oil catcher	2	
9	MT	20841	Table support No. 02CL	2	
10	MT	11182	Frame rear cover	1	
11	MT	11111	Frame upper cover Rear R	1	
12	MT	11121	Frame upper cover Rear L	1	
13	MT	11150	Frame upper cover bracket No.1	4	
14	MT	11170	Frame upper cover bracket No.3	2	
15	MT	11160	Frame upper cover bracket No.2	1	
16	MT	11100	Frame upper cover R	1	
17	MT	20811	Table support No.1 11-L	2	
18	MT	20851	Table support No.5 25CL	4	
19	MT	20821	Table support No.2 05CL	1	
20	MT	111001	Frame upper cover Front	1	
21	MT	111140	Frame upper cover -L Front	1	
22	MT	111130	Frame upper cover -L	1	
23	MT	111081	Frame BEAT-802.320×450	1	
24	AGC	12216	Caster 413SA 8-100 Hammer	4	
25	MT	200061	Center mount base	2	
26	MT	150002	Shelf board BEAT-802.320×450	1	
27			Wood screw 5.1×25		
28			plus biss M5×25		
29			Wood screw 5.1×32		
30			Hex. socket bolt M8×15		
31			Hex. nut M10		
32			Hex. nut M20		
33			Truss screw M4×6		
34			Hex. socket bolt M4×10		
35			Hex. bolt M12×50		
36			Tapping screw M5×25		



MODEL BEAT 802 -YS
M802

② Sewing head a'ssy

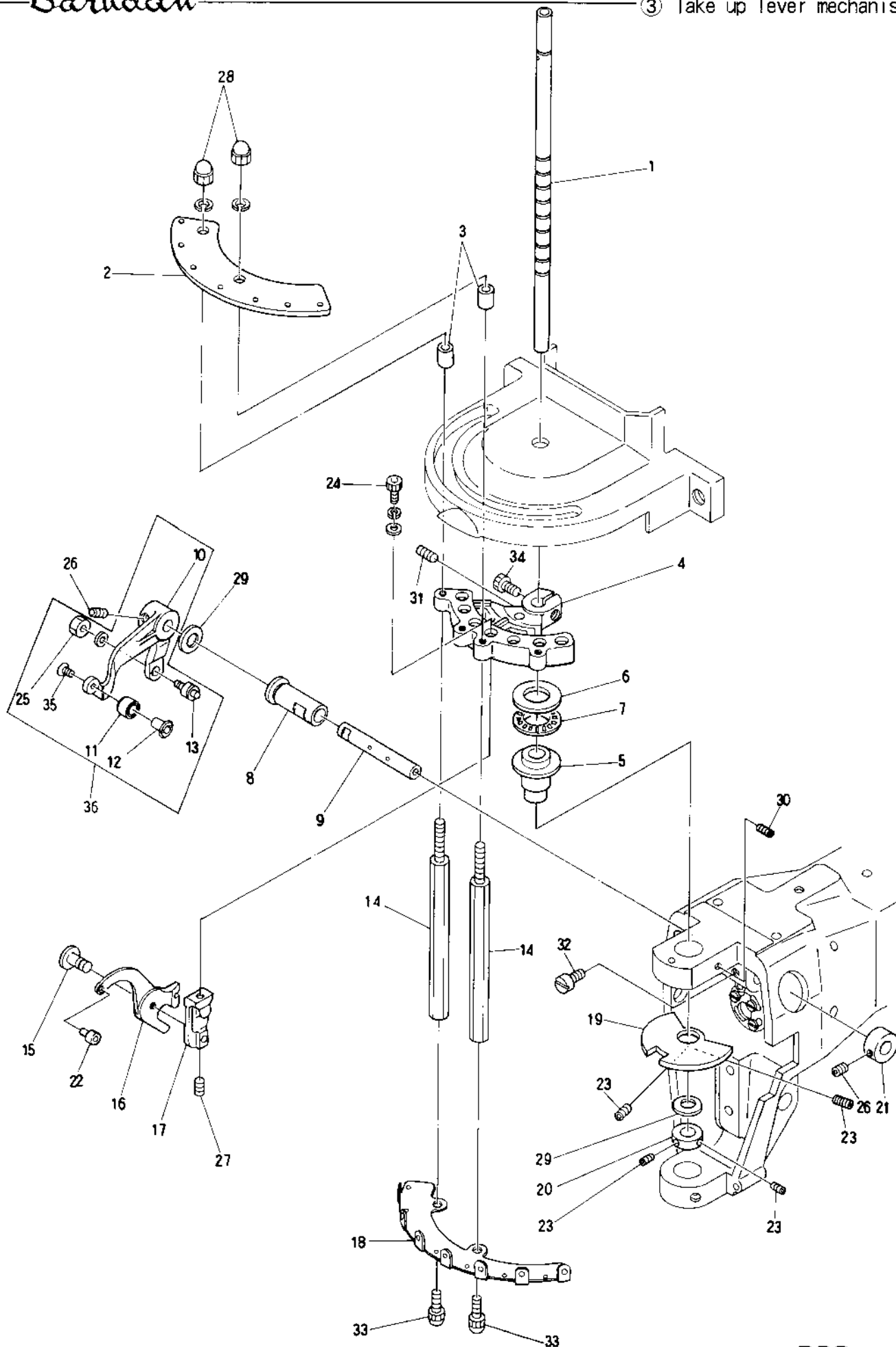
ITEM	LIST No.	DESCRIPTION	Q'TY	REMARK
1	KL 2 2 0 1 0 0	Top shaft gear (M1.5-25R)	2	
2		Hex. socket set screw M6×6 (with adhesive)	2	
3	KL 2 1 0 1 1 3	Bed (SR2-T)		
4	KL 2 2 0 0 9 0	Top shaft bearing collar	2	
5	A 9 0 1 0 0 1 7	Bearing (6004ZZ)	2	
6	KL 2 2 0 0 4 0	Top shaft bearing case	2	
7	KL 2 5 0 0 4 0	Arm top cover	2	
8	KL 2 2 0 1 5 0	Oil felt D	2	
9		Truss screw M4×10		
10		Screw (SM1/4 40×4)		
11	KF 2 2 0 1 3 0	Bevel gear (Top shaft)	2	
12	KL 2 2 0 0 8 0	Top shaft collar	4	
13	HP 2 3 1 3 9 0	Thrust washer (Top shaft gear)	4	
14	KL 2 2 0 1 3 0	Oil felt B	4	
15	KL 2 2 0 0 3 0	Top shaft metal (Middle)	2	
16	KL 2 2 0 0 0 0	Top shaft	2	
17	KL 2 1 0 1 4 0	Arm gear case	2	
18		Hex. socket bolt M8×25		
19	KF 2 2 0 4 6 0	Bevel gear (Vertical shaft upper)	2	
20	KL 2 2 0 1 4 0	Oil felt C	8	
21	KL 2 2 0 0 5 0	Vertical shaft metal (upper)	2	
22		Hex. socket set screw M6×8		
23	KB 2 1 0 1 6 0	Arm	1	
24	KL 2 2 0 0 1 0	Vertical shaft		
25	KL 2 2 0 0 6 0	Vertical shaft metal (F)	1	
26	KF 2 2 0 4 7 0	Bevel gear (Vertical shaft lower)	1	
27	KF 2 2 0 2 7 0	Gear cover set	1	
28	MA 2 1 0 2 1 0	Bed Adjuster bolt	1	
29	KL 2 2 0 0 2 0	Top shaft metal (Front)	1	
30	KF 2 3 0 4 2 0	Cam set screw	1	
31	KB 2 3 0 0 3 0	Take up lever cam K6	1	
32		Screw (SM15/64 28×10) with adhesive	1	
33	KB 2 3 0 0 5 0	90° Clamping	1	
34	A 9 0 1 2 0 0 7	Screw	6	
35	KF 2 2 0 4 8 0	Bevel gear (Bottom shaft)	1	
36	KL 2 2 0 0 7 0	Bottom shaft metal (Rear)	1	
37	KF 2 2 0 2 9 0	Bottom shaft collar	1	
38		Screw M5×25		
39		Hex. socket bolt M12×35		
40	KC 2 2 0 2 1 0	Bottom shaft	1	
41	KL 2 2 0 1 2 0	Oil felt A	1	
42	KF 2 5 0 9 0 0	Needle plate set screw (SM11/64 40×7)	6	
43	MA 2 5 0 1 3 1	Needle plate	1	
44	KF 2 2 0 2 3 0	Bottom shaft metal (Front)	1	
45	KC 2 2 0 6 4 0	Rotating hook bobbin case holder position bracket	1	

② Sewing head a'ssy

[illegible]

Barudan

③ Take up lever mechanism



MODEL BEAT 802 -YS
M802

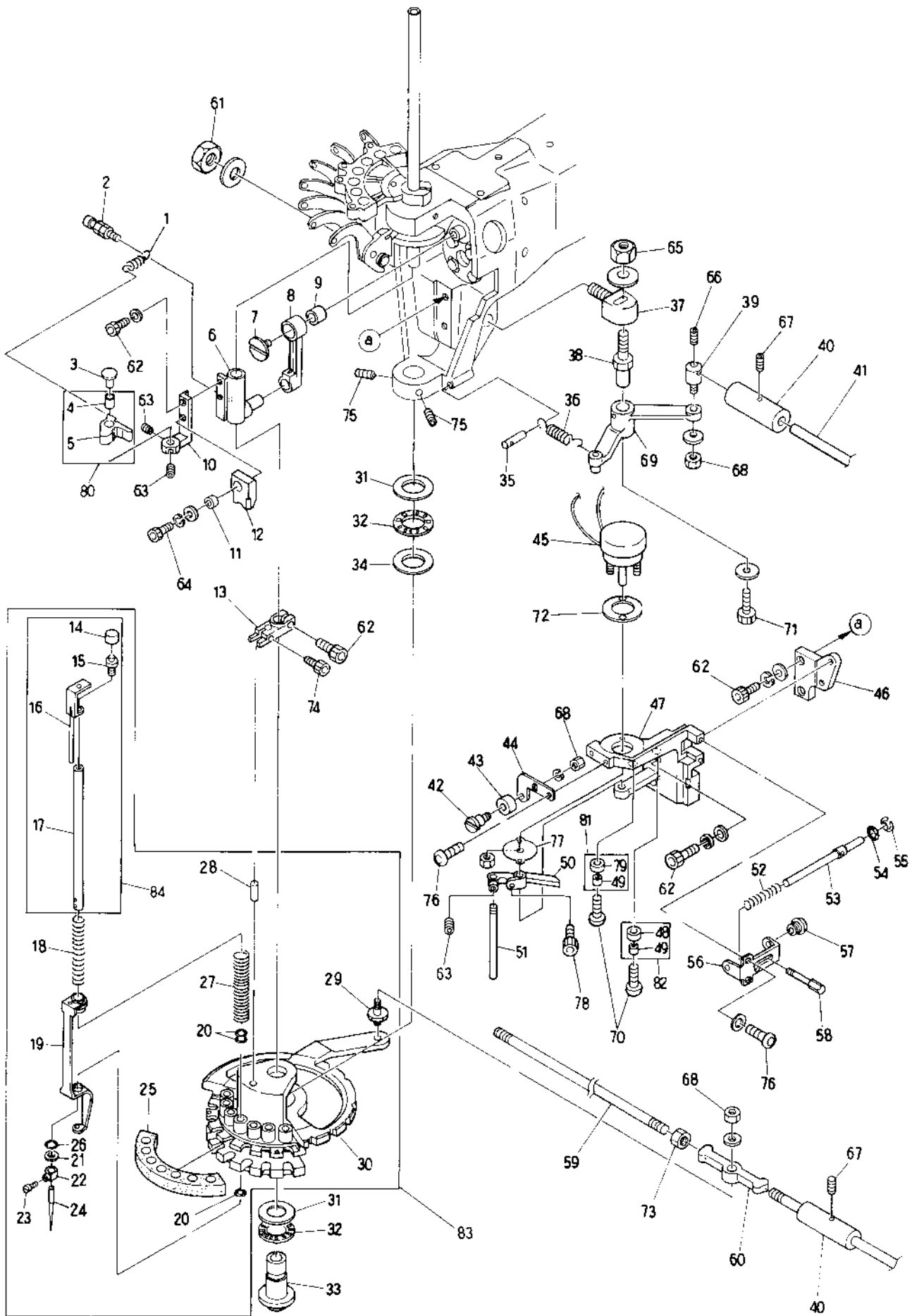
③ Take up lever mechanism

(N = Needle Q'TY)

ITEM	LIST No.	DESCRIPTION	Q'TY	REMARK
1	KB230161	Driving shaft	1	
2	HB240180	Thread guide plate (7)	1	
	HB240200	Thread guide plate (5)	1	
3	KB240020	Thread fixing collar	2	
4	HB230290	Take up lever fixing bracket	1	
5	KB230090	Driver shaft upper metal	1	
6	A9011152	Thrust needle bearing innerring (WS1528)	1	
7	A9011021	Thrust bearing NTB-1528	1	
8	KB230100	Take up lever driving shaft metal	1	
9	HB230110	Take up lever driving shaft	1	
10	KB230120	Take up lever driving lever	1	
11	HB230320	Take up lever driving roller	1	
12	HB230331	Take up lever driving roller shaft	1	
13	KF230500	Take up lever roller a'ssy	1	
14	KB240010	Thread fixing rod	2	
15	HB230310	Take up lever shaft	1	
16	KB230150	Take up lever	N×1	
17	KB230140	Take up lever base	N×1	
18	HB240171	Thread hanger (7)	1	
	HB240280	Thread hanger (5)	1	
19	KB230130	Take up lever stopper	1	
20	HB230160	Driving shaft set collar	1	
21	HB230270	Needle bar driving lever fixed pin set collar	1	
22	KF230580	Take up lever thread eyelet ceramic	N×1	
23		Hex.socket set screw M4×4 (with adhesive)	2	
24		Hex.socket bolt M4×12		
25		Hex.nut SM7/32		
26		Hex.socket set screw M5×6 (with adhesive)	2	
27		Hex.socket set screw M3×5 (with adhesive)	N×1	
28		Cap nut M4		
29	A9012164	Thrust washer (R TW0815)	2	
30		Hex.socket set screw M6×6		
31		Hex.socket set screw (C.P) M4×5		
32		Screw (SM11/64×11)		
33		Cap bolt M4×8		
34		Hex.socket bolt M4×15		
35	HB230650	Flush screw (with adhesive)	1	
36	KB230310	Take up lever drive lever a'ssy	1	

Barudan

④ Needle bar • Jump mechanism



MODEL BEAT 802 -YS
M802

④ Needle bar • Jamp mechanism

(N=needle 0)

ITEM	LIST No	DESCRIPTION	QTY	REMARK
1	HB 230401	Needle bar driver return spring	1	
2	HB 230590	Fixed screw for return spring	1	
3	HB 230390	Needle bar driver fixing pin	1	
4	A 9012190	DU Bush (MBC606DU)	1	
5	HB 230381	Needle bar driver	1	
6	KB 230080	Needle bar driver guide block	1	
7	KB 230070	90° Crank left-handed screw	1	
8	KB 230060	Crank rod	1	
9	A 9011115	Needle bearing (K9×12×10T2)	1	
10	HB 230371	Needle bar driver fixing base	1	
11	HB 230420	Needle bar driver stopper set collar	1	
12	HB 230414	Needle bar driver stopper	1	
13	HB 230176	Driving shaft fixed plate	1	
14	KN 231356	Needle bar cap	N×1	
15	HB 230531	Needle bar guide fitting screw	N×1	
16	HB 230521	Needle bar guide	N×1	
17	HB 230511	Needle bar	N×1	
18	HB 230540	Needle bar sprign (upper)	N×1	
19	KG 230020	Pressure foot	N×1	
20	KF 230910	O Ring (S)	N×3	
21	KF 230930	Spacer	N×1	
22	KF 230230	Needle clamp	N×1	
23	KF 230240	Needle clamp screw (SM9/64 40)	N×1	
24	KF 230250	Needle (DBK5-11)	N×1	
25	KL 230110	Turret plate oil pad	1	
26	KF 230920	O Ring (L)	N×1	
27	KF 230210	Pressure foot spring	N×1	
28	A 9012291	Parallel pin φ 5×14ℓ	1	
29	HB 230550	Turret plate joint pin	1	
30	HB 230441	Turret plate (5)	1	
	HB 230431	Turret plate (7)	1	
31	A 9011023	Thrust bearing outer (GS1528)	2	
32	A 9011021	Thrust bearing (NTB-1528)	2	
33	HB 230140	Driver shaft under metal	1	
34	A 9011022	Thrust washer (AS-1528)	1	
35	KF 230670	Lock lever spring pin	1	
36	KF 230661	Lock lever spring	1	
37	KF 230650	Lock lever bracket	1	
38	KF 230630	Lock lever shaft	1	
39	KF 230640	Lock connecting bar clamp	1	
40	KF 330381	Lock bar hand grip	2	
41	KC 330410	Lock connecting rod (2M)	3	
42	HB 230460	Needle bar stopper fixed pin	1	
43	HB 230470	Needle bar stopper	1	
44	KB 230170	Needle bar stopper fixed bracket	1	

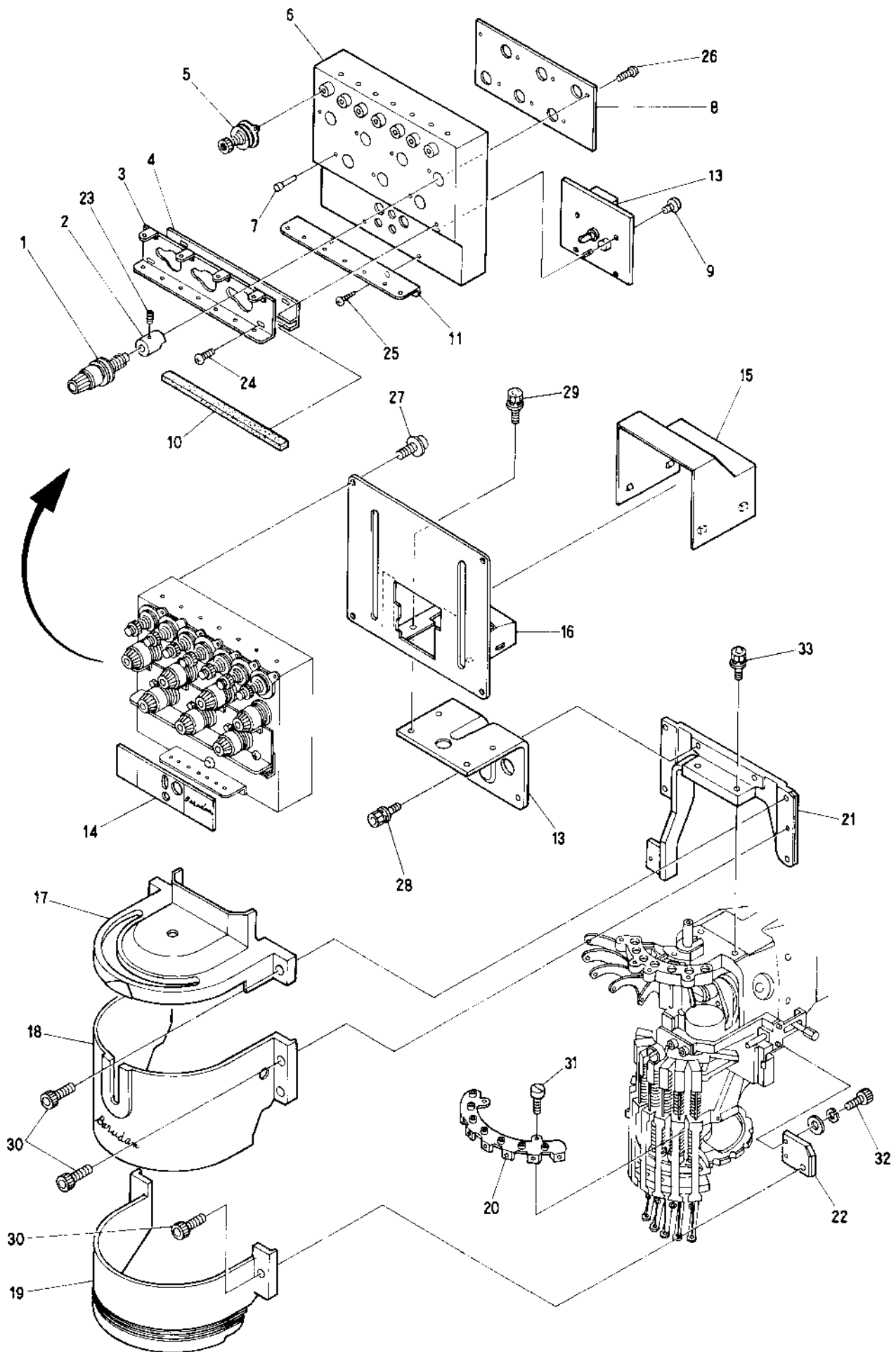
JB 7.50

④ Needle bar • Jamp mechanism (* change the LIST No. by machine type)

ITEM	LIST No.	DESCRIPTION	Q'TY	REMARK
45	A9056020	Rotary solenoid (3ER35-3×8×9)	1	
46	KB210170	Solenoid bracket fixing base	1	
47	KB240030	Jump solenoid fixing bracket	1	
48	HB240050	Eccentric collar (φ11)	1	
49	HB240040	Eccentric stopper	2	
50	HB240020	Jump solenoid lever	1	
51	HB240030	Jump solenoid lever pin	1	
52	HB240110	Cancel return spring	1	
53	HB240070	Cancel rod	1	
54	A9014051	O-Ring P-5	1	
55	A9012051	E Ring φ6	1	
56	KB240040	Cancel bracket	1	
57	HB240090	Cancel rod guide	1	
58	HB240080	Manual cancel pin	1	
59	KC330310380	Turret plate connecting rod (L=330)	1	*
60	A9012005	Uniball joint (KMBRD4-020N)	1	first head
	A9012003	Uniball joint (KMBRD4-020N)	1	final head
61		Hex. nut M10		
62		Hex. socket bolt M4×12		
63		Hex. socket set screw M4×4 (with adhesive)	3	
64		Hex. socket bolt M4×15		
65		Hex. nut M8		
66		Hex. socket set screw M4×6		
67		Hex. socket set screw M5×5		
68		Hex. nut M4		
69	KL230280	Lock lever	1	
70		Hex. socket button bolt M4×12 (with adhesive)	2	
71		Hex. socket bolt M5×10		
72	HB230580	Sheet for rotary solenoid	1	
73		Hex. nut M5		
74		Hex. socket bolt M3×12 (with adhesive)	1	
75	A9012053	Hex. socket set screw M6×0.75×8	2	
76		Hex. socket button bolt M4×10		
77	HB230580	Solenoid prevention noise cover	1	
78		Hex. socket bolt M4×8		
79	HB240310	Eccentric collar (φ12)	1	
80	HB230700	Needle bar driver lever a'ssy	1	
81	HB240340	Eccentric stopper a'ssy (φ12)	1	
82	HB240330	Eccentric stopper a'ssy (φ11)	1	
83	HB230600	Turret plate a'ssy (YS)	1	
	HB230610	Turret plate a'ssy (YF)	1	
84	HB230570	Needle bar driver a'ssy	1	

Barudan

⑤ Thread guide mechanism



MODEL BEAT 802 M802 -YS

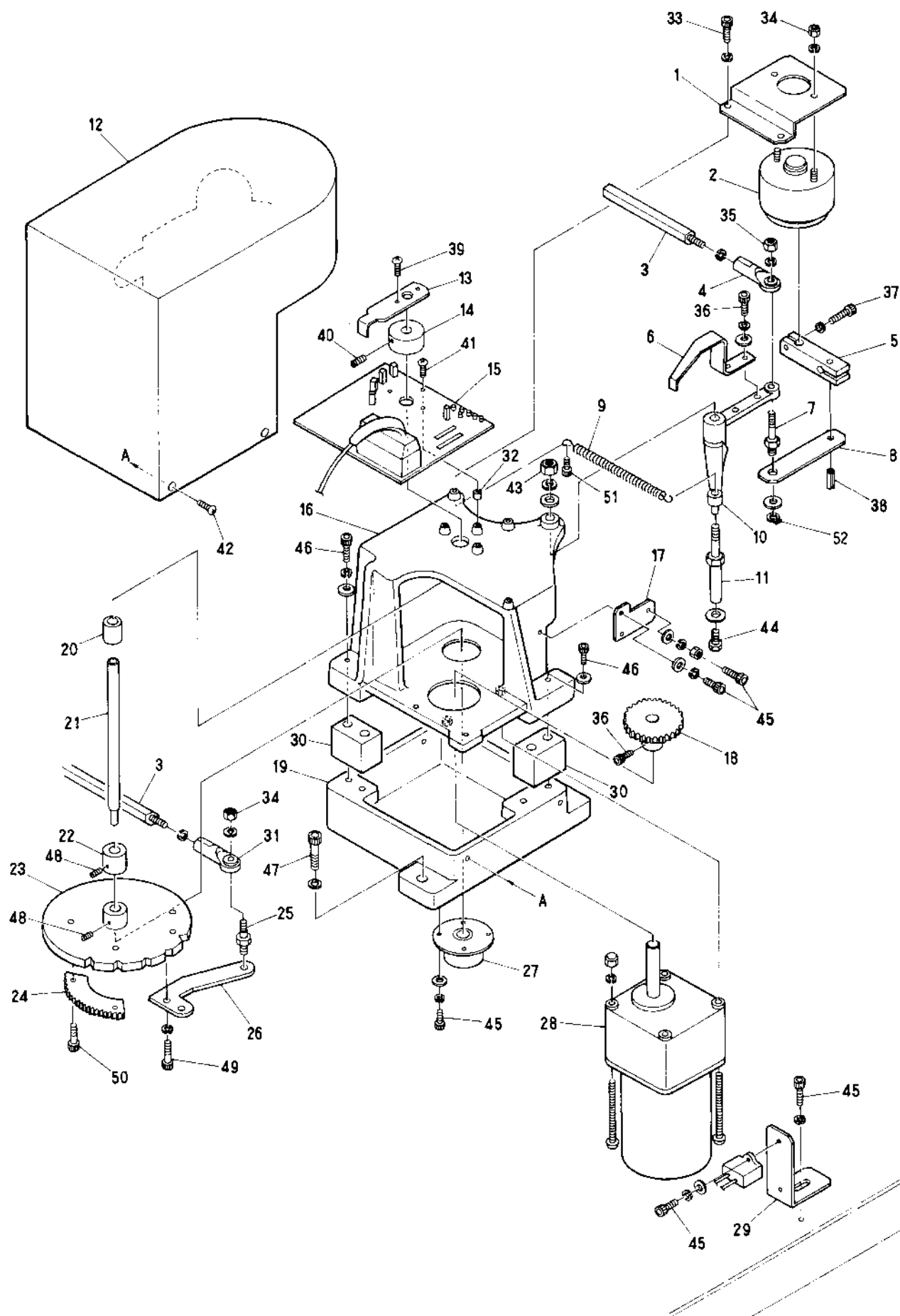
⑤ Thread guide mechanism

(N=Needle Qty)

ITEM	LIST No.	DESCRIPTION	QTY	REMARK
1	HP 241410	Dial type tension unit complete	N×1	
2	HP 241150	Tension base (with screw)	N×1	
3	HP 241180	First thread guide (7)	1	
	HP 241170	First thread guide (5)	1	
4	HP 241460	Thread guide felt fixing plate (7)	1	
	HP 241450	Thread guide felt fixing plate (5)	1	
5	KG 241020	Upper tension unit complete	N×1	
6	HP 241122	Tension base (7)	1	HP241160 HP241150
	HP 241112	Tension base (5)	1	HP241160 HP241150
7	HP 241160	Upper thread detection pin	N×1	
8	HP 241381	Tension earth plate (7)	1	
	HP 241371	Tension earth plate (5)	1	
9		Pan screw 2×8		
10	HP 241480	Thread guide felt (7)	1	
	HP 241470	Thread guide felt (5)	1	
11	HB 240260	Second thread guide plate (7)	1	
	HB 240270	Second thread guide plate (5)	1	
12	EBN01100	Head board for thread cutting (108800004)	1	There is thread cut
	EBN00650	Thread cut sensorium board (70204200)	1	There is no thread cut
13	KB 240051	Tension base bracket	1	
14	KU 241400	Tension base label	1	There is thread cut
	HP 241400	Tension base label	1	There is no thread cut
15	KB 240100	Tension cable cover	1	
16	KB 240060	Tension base (7)	1	
	KB 240070	Tension base (5)	1	
17	KB 250020	Sewing head cover A	1	
18	KB 250030	Sewing head cover B	1	
19	KB 250040	Sewing head cover C	1	
20	KG 250010	Thread end trap unit a'ssy (7)	1	
	HP 250050	Thread end trap unit a'ssy (5)	1	
21	KB 250050	Sewing head fixing bracket	1	
22	KB 250060	Sewing head fixing stay	1	
23		Set screw (SM11/64 40×5.5)		
24		Truss screw M4×6		
25		Tapping screw M3.5×8		
26		Pan screw M3×4		
27		Pan screw with washer M4×8		
28		Hex. socket bolt with washer M5×15 (with adhesive)	2	
29		Hex. socket bolt with washer M5×10 (with adhesive)	4	
30		Hex. socket bolt M4×6		
31		Screw (SM9/64 40×10)		
32		Hex. socket bolt M4×15		
33		Hex. socket bolt with washer M5×20 (with adhesive)	2	

Barudan

⑥ Color change mechanism



MODEL BEAT 802-Y5
M802

⑥ Color change mechanism

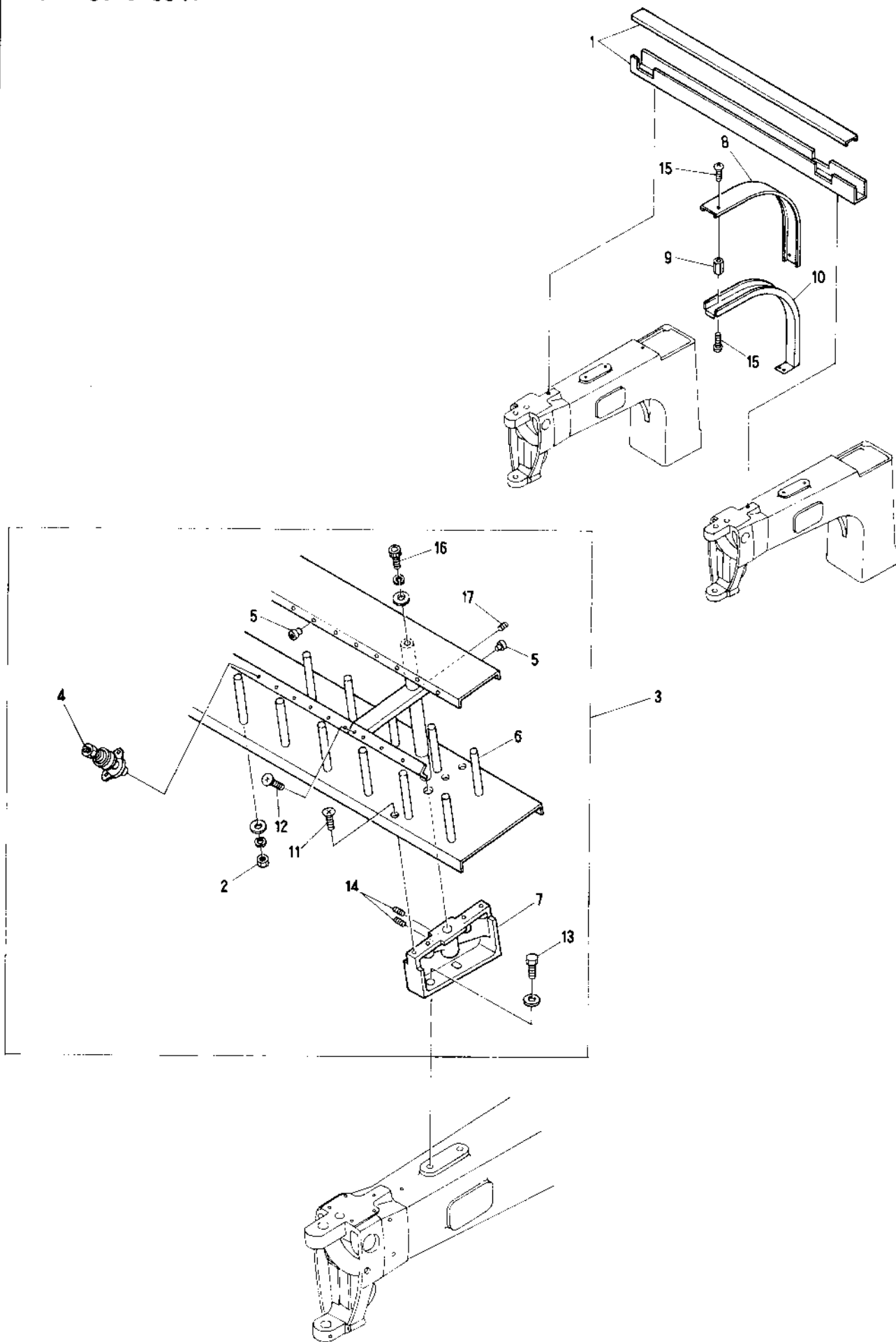
ITEM	LIST No.	DESCRIPTION	QTY	REMARK
1	KC330280	Bracket lock rotary solenoid	1	
2	KC330850	Rotary solenoid (BSR-25 27×4×9 L=15)	1	
3	KC330510	Hex. connecting bar (L)	1	
4	A9012002	Uni ball joint (PR-6)	1	
5	KN330240	Lock solenoid lever	1	
6	KC330290	Lock detection plate	1	
7	KC330230	Lock lever pin	1	
8	KN330250	Lock lever link	1	
9	MT330690	Spring	1	
10	KG230610	Lock lever	1	
11	KF230630	Lock lever shaft	1	
12	MT330801	Box cover	1	
13	HH330281	Detection plate	1	
14	KC330170	Plate collar	1	
15	EBN00660	SDL Collar change bord (7020-4100)	1	
16	KC330130	Needle turning unit base	1	
17	KE330980	Lock lever stopper	1	
18	KC330210	Needle turning gear No.1 (0.8M5CT)	1	
19	MA330700	Box base	1	
20	KC330190	Oilless metal	1	
21	KC330161	Needle turning shaft	1	
22	KC330180	Collar φ10	1	
23	KG330150	US Control turning plate	1	
24	KG330220	Needle turning gear No.2	1	
25	KF230360	Turret plate joint pin	1	
26	KL330040	Turret plate lever	1	
27	KC330610	Oilless bearing (OCHIAI) S/S LSB-G8-080V	1	
28	KC330810	Geard motor (RM-F6A5PC3-AS-12C)	1	
29	MT330790	Color change motor condenser bracket	1	
30	KL330050	Unit base spacer	2	
31	A9012001	Uni ball joint (NMB RD4 020R)	1	
32	A9012208	Spacer (5×4)	3	
33		Hex. socket bolt M5×12		
		Hex. socket bolt M5×15		
34		Hex. nut M5		
35		Hex. nut M6		
36		Hex. socket bolt M4×8		
37		Hex. socket bolt M5×12		
38		Spring pin 6×12		
39		Truss screw M3×6		
40		Hex. socket set screw M5×10		
41		Truss screw M3×10		
42		Truss screw (Black) M5×10		
43		Hex. nut M8		
44		Hex. bolt M5×15		

⑥ Color change mechanism

[illegible]

Barudan

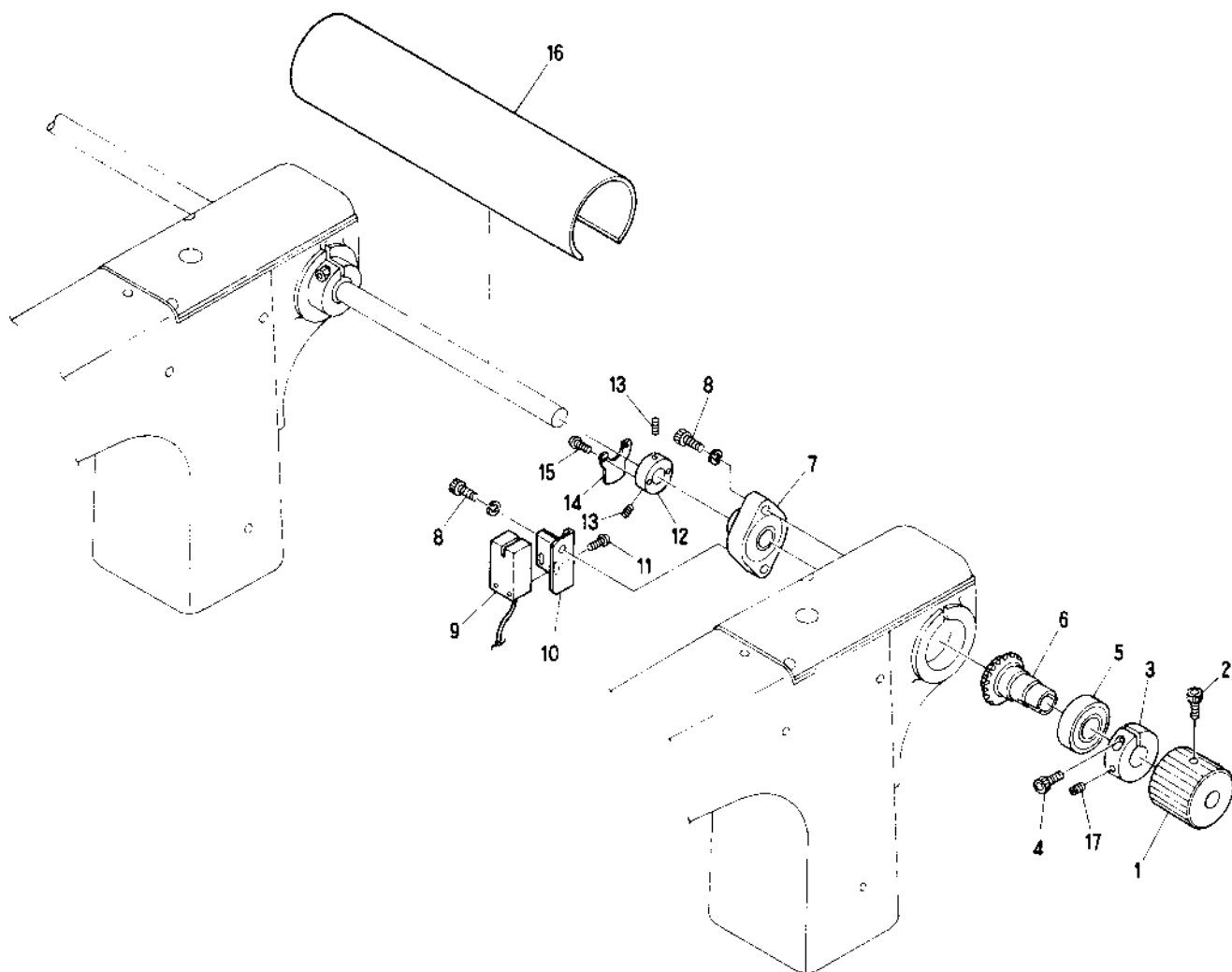
⑦ Option



MODEL BEAT 802 M802 -YS

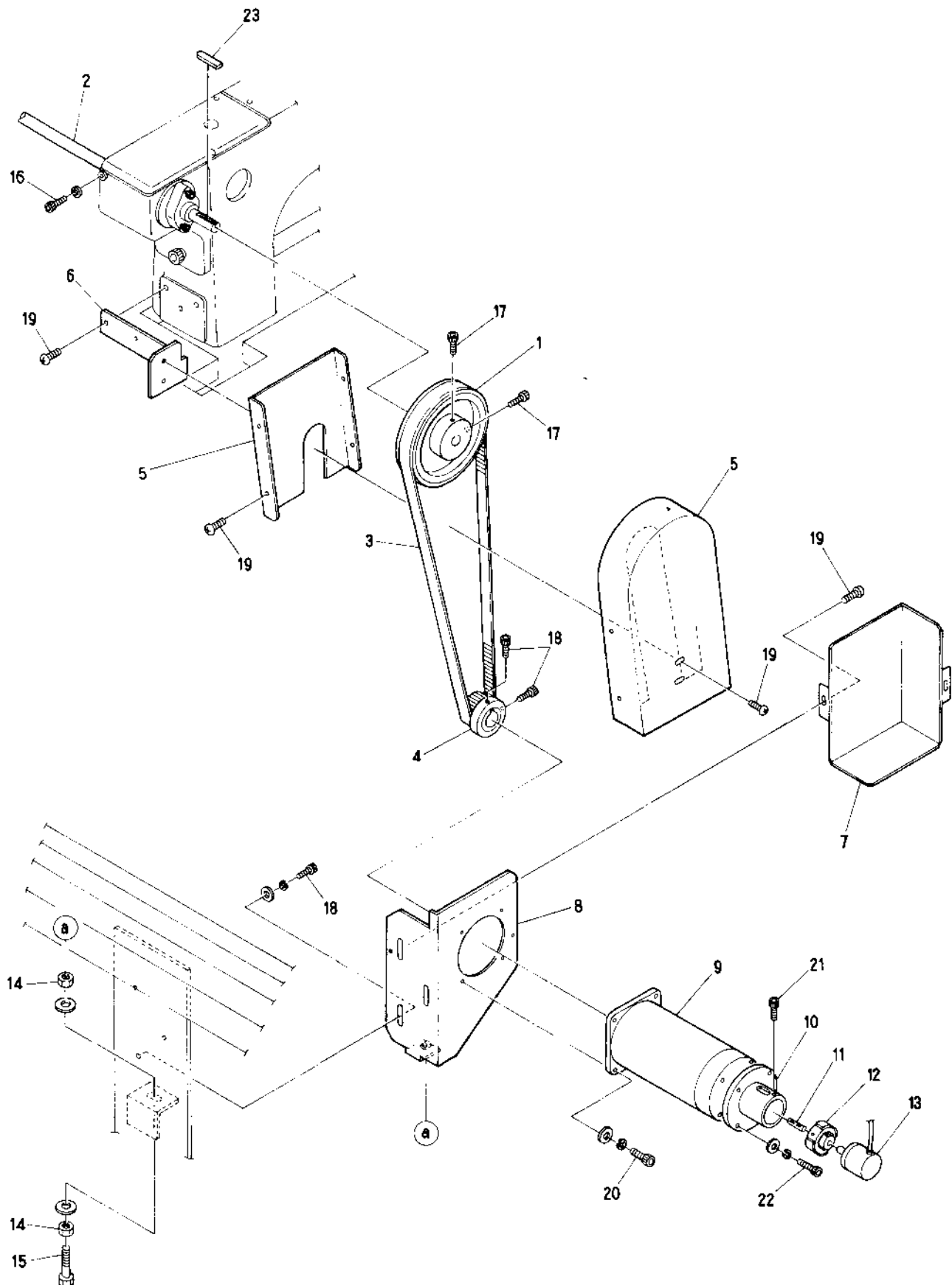
⑦ Option

[illegible]



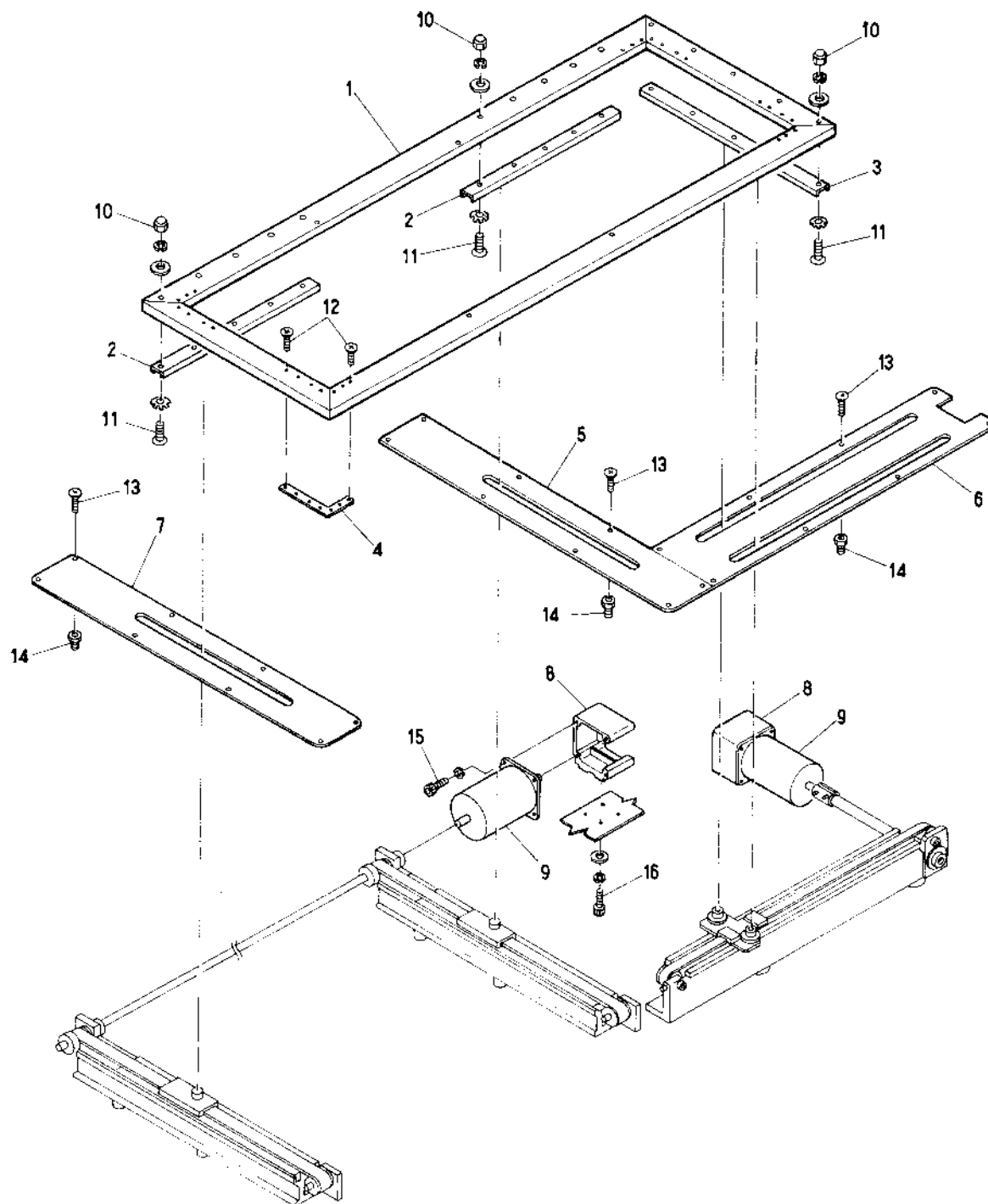
⑧ Connecting mechanism

[illegible]



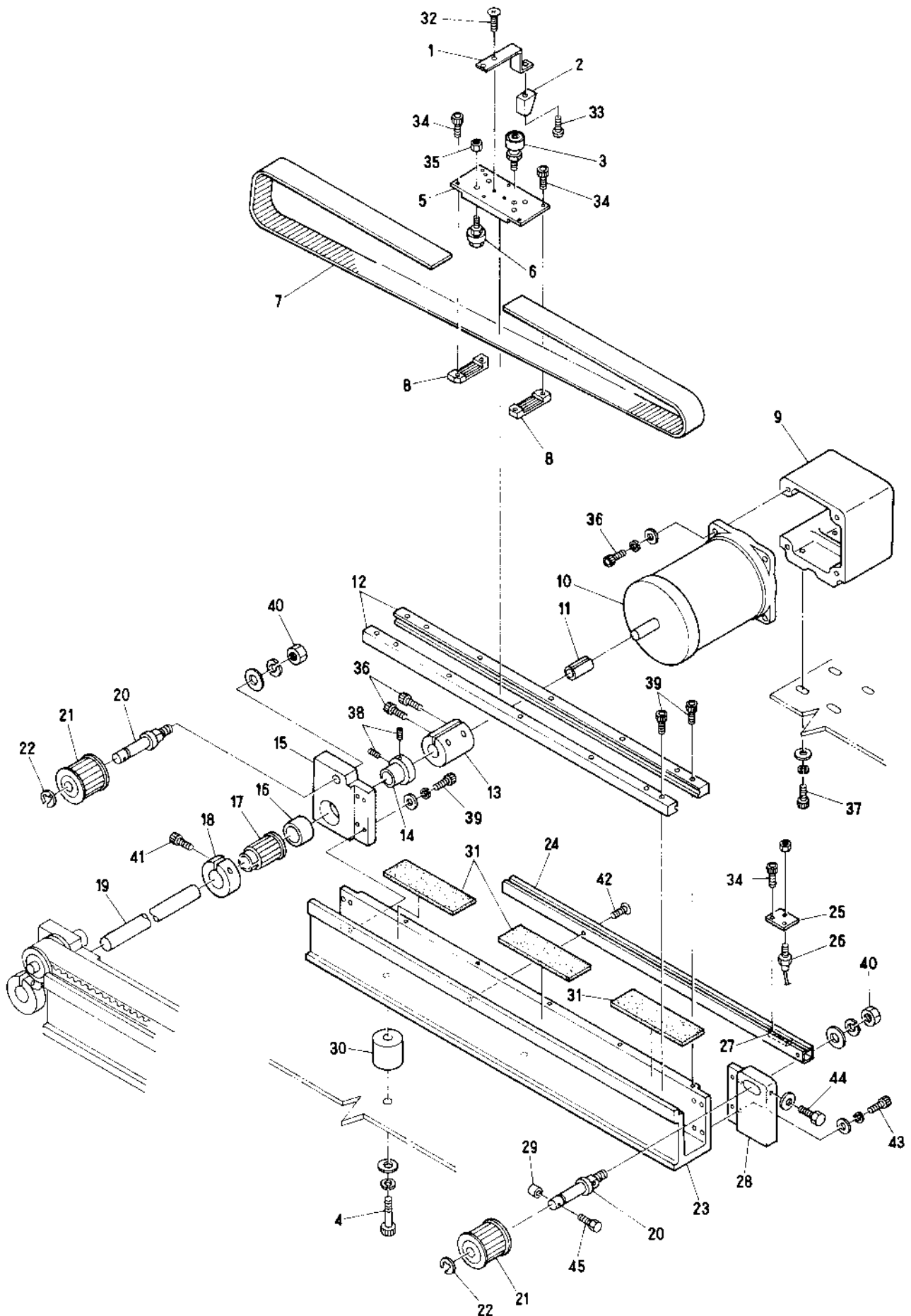
⑨ Drive mechanism

[illegible]



⑩ Pantograph drive mechanism I

[illegible]

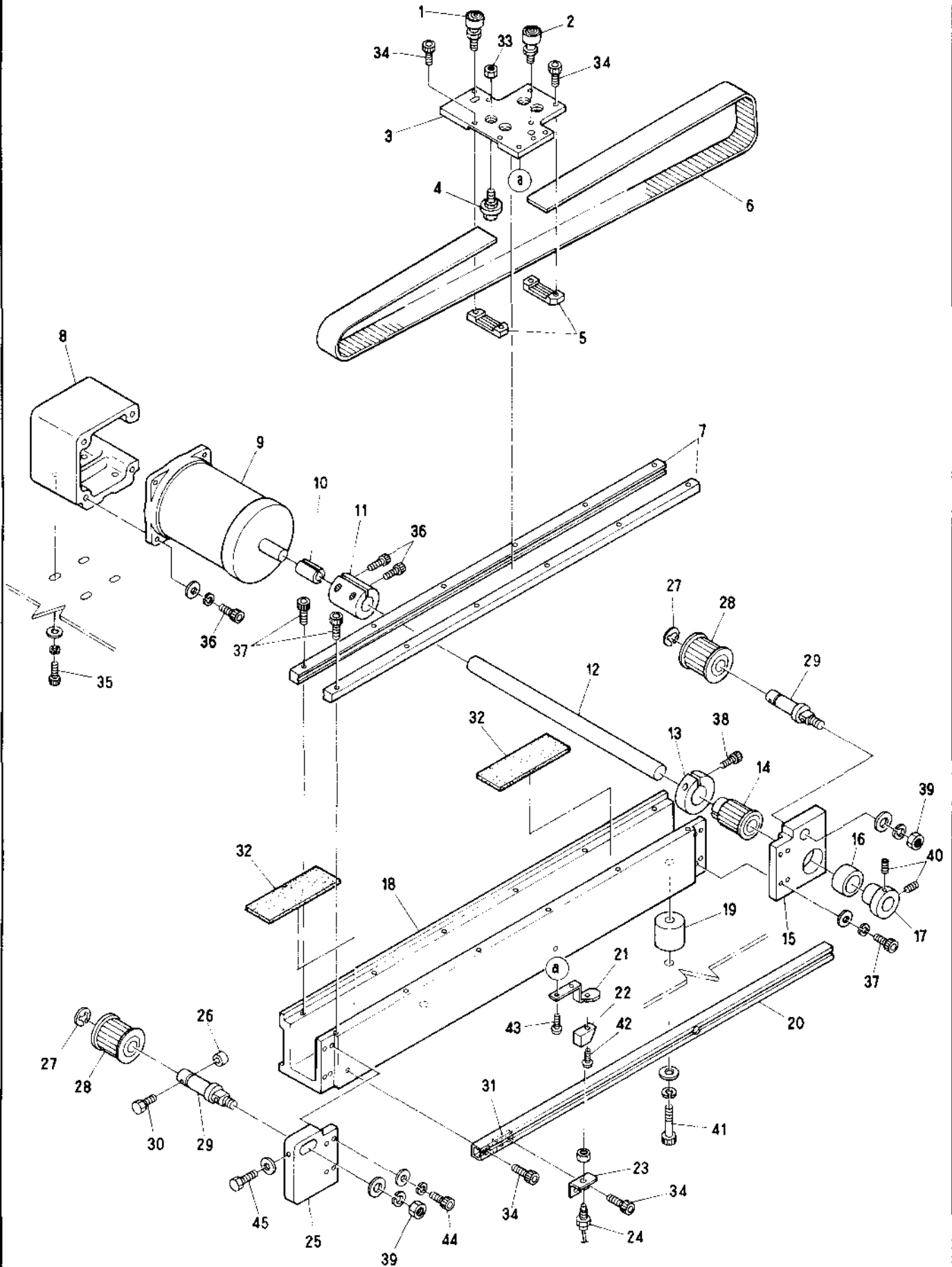


⑪ Pantograph drive mechanism (H-Direction) II

ITEM	LIST No.	DESCRIPTION	Q'TY	REMARK
1	MT 4 6 0 2 5 2	H-Pantograph origin point magnet bracket	1	
2	A 9 0 5 2 0 2 6	Magnet M 102	1	
3	HP 4 8 3 3 7 0	Bearing shaft a'ssy	2	
4		Hex. socket bolt M8×45		
5	MT 4 8 2 8 7 1	H-Roller base (AT-802)	2	
6	HP 4 8 2 9 5 0	Roller pin a'ssy A	8	
7	A 9 0 2 0 0 9 8	Timing belt 300S5M2000	2	
8	HP 4 8 2 9 4 0	Timing belt rack (5M)	4	
9	MA 4 8 2 1 4 0	Pulse moter bracket V	1	
10	MT 4 7 0 1 1 0	Pulse moter (103-845-111)	1	
11	MT 4 8 3 3 6 0	Pulse moter coupling bush	1	
12	HP 4 8 2 9 1 0	V-Guide rail (L=1060)	4	
13	HH 4 8 1 9 3 1	Pulse moter coupling	1	
14	HH 4 8 1 9 7 0	Pulse moter connecting shaft collar	1	
15	WM 4 8 3 2 1 0	H.V-Guide rear pulley bracket	2	
16	A 9 0 1 1 0 6 3	Needle bearing TLA2016	2	
17	HP 4 8 2 9 9 0	Pantograph driving pulley (Rear) S5M	2	
18	HH 4 8 1 9 8 0	Clamp collar φ19	2	
19		Connecting shaft (φ15)	1	
20	HH 4 8 1 9 9 1	Timing pulley shaft	4	
21	HP 4 8 2 9 8 0	Pantograph driving pulley (Front) S5M	4	
22	A 9 0 1 2 0 5 2	E-Ring φ10	4	
23	MT 4 8 3 1 4 1	H-Guide rail base	2	
24	MT 4 6 0 2 8 1	H-Pantograph origin point rail	1	
25	MT 4 6 0 2 3 0	RS 001 Bracket (H)	1	
26	A 9 0 5 2 0 2 4	Switch RS-001	1	
27	KU 4 6 0 2 7 0	Plate nut (M3)	1	
28	HH 4 8 2 0 0 0	H-Guide front pulley bracket	2	
29	HH 4 8 2 1 1 0	Pulley shaft bolt cap	1	
30	MA 4 8 0 4 9 0	Guide rail base spacer	4	
31	KN 4 8 0 0 6 1	Rail base felt SR100×38×6	6	
32		Flush screw M4×6		
33		Truss screw M3×6		
34		Hex. socket bolt M3×6		
35		Hex. nut M5		
36		Hex. socket bolt M5×18		
37		Hex. socket bolt M6×20		
38		Hex. socket set screw M5×8		
39		Hex. socket bolt M4×15		
40		Hex. nut M8		
41		Hex. socket bolt M5×20		
42		Flush screw M3×6		
43		Hex. socket bolt M4×25		
44		Hex. bolt M4×25		
45		Hex. bolt M4×40		

Barudan

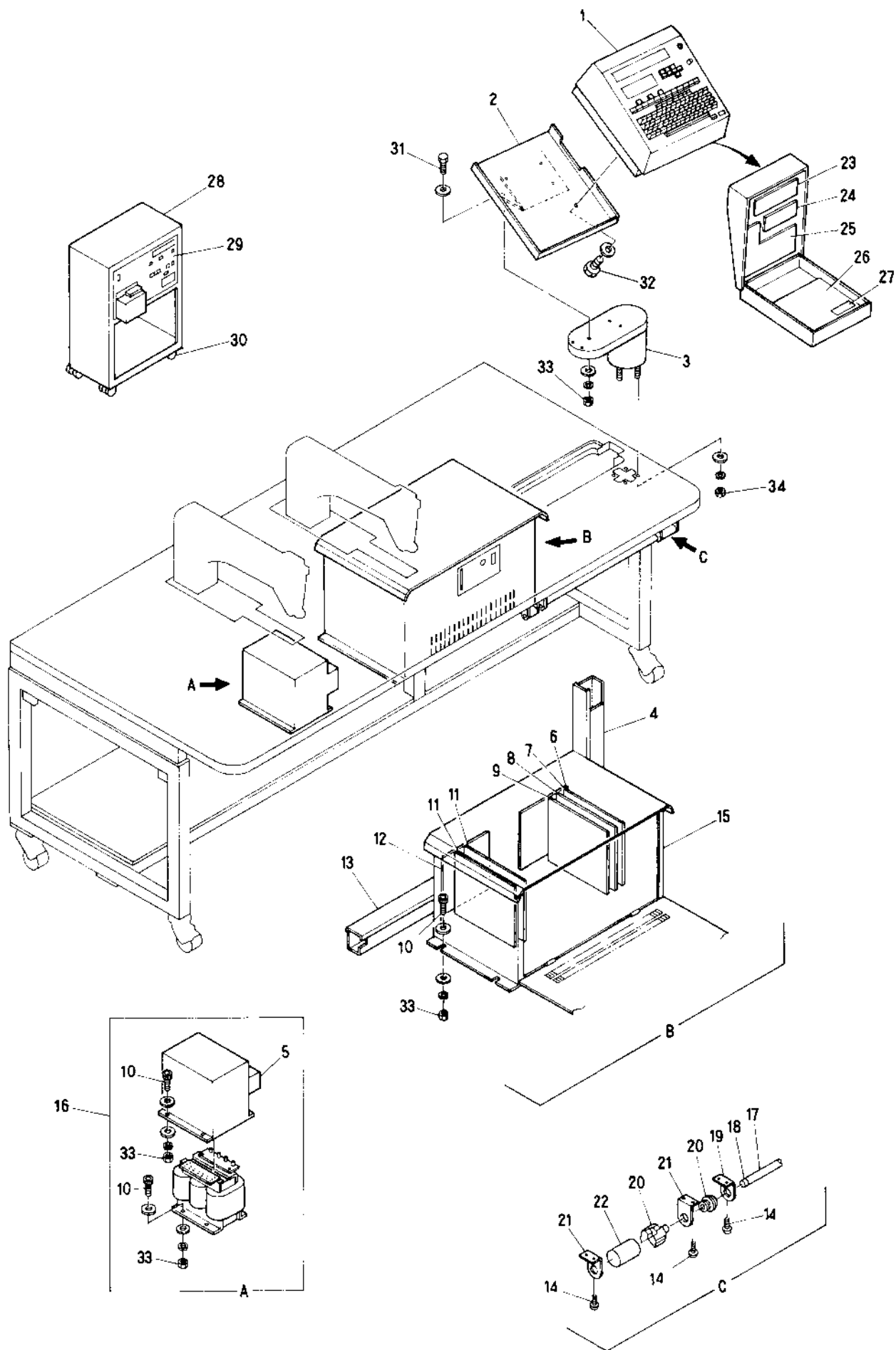
⑫ Pantograph drive mechanism(V-Direction) III



MODEL BEAT 802 M802 -YS

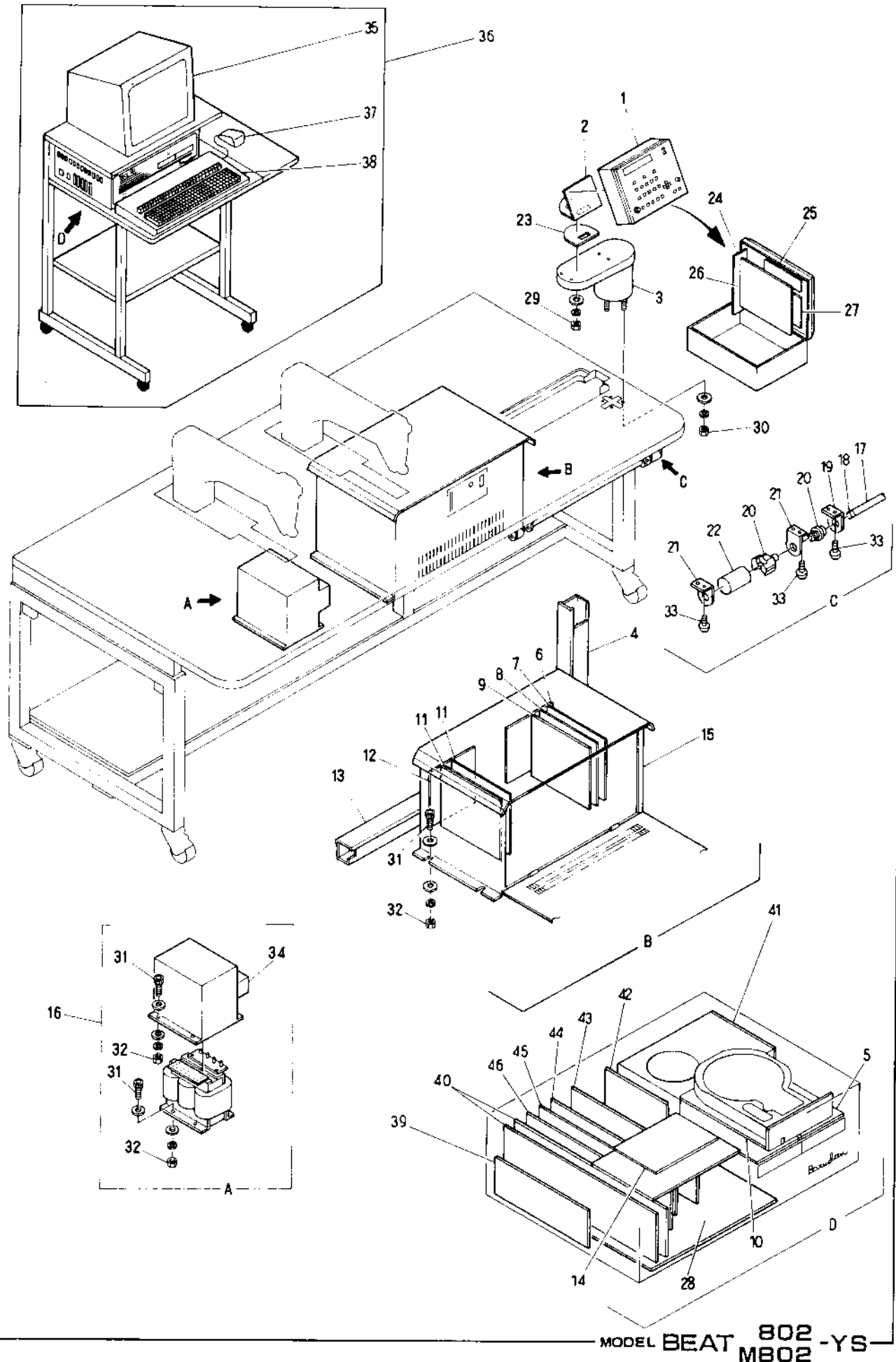
⑫ Pantograph drive mechanism (V-Direction) III

ITEM	LIST No.	DESCRIPTION	QTY	REMARK
1	HP483111	Bearing pin a'ssy B	1	
2	HP483370	Bearing pin a'ssy	1	
3	KU483180	V-Roller base (5M-30)	1	
4	HP482950	Roller pin a'ssy A	4	
5	HP482940	Timing belt rack (5M)	2	
6	A9020098	Timing belt 300S5M2000	1	
7	HP482910	V-Guide rail (L-1060)	2	
8	MA482140	Pulse motor bracket V	1	
9	MT470110	Pulse motor (103 845 1111)	1	
10	MT483360	Pulse motor coupling bush	1	
11	HH481931	Pulse motor coupling	1	
12		Connecting shaft (φ15)	1	
13	HH481980	Clamping collar φ19	1	
14	HP482990	Pantograph driving pulley (Rear) S5M	1	
15	WM483210	H,V-Guide rear pulley bracket	1	
16	A9011063	Needle bearing TLA2016	1	
17	HH481970	Pulse motor connecting shaft collar	1	
18	MT483151	V-Guide rail base (stroke 450)	1	
19	MA480490	Guide rail base spacer	2	
20	MT460291	V-Pantograph origin point rail	1	
21	MT460252	V-Pantograph origin point magnet bracket	1	
22	A9052026	Magnet M-102	1	
23	MT460240	RS-001 Bracket (V)	1	
24	A9052024	Switch RS-001	1	
25	HH482000	H Guide front pulley bracket	1	
26	HH482110	Pulley shaft bolt cap	1	
27	A9012052	E Ring (φ10)	2	
28	HP482980	Pantograph driving pulley (Front) S5M	2	
29	HH481991	Timing pulley shaft	2	
30		Hex. bolt M4×40		
31	KU460270	Plate nut (M3)	1	
32	KN480061	Rail base felt SR 100×38×6	2	
33		Hex. nut M5		
34		Hex. socket bolt M3×3		
35		Hex. socket bolt M5×25		
36		Hex. socket bolt M5×18		
37		Hex. socket bolt M4×15		
38		Hex. socket bolt M5×20		
39		Hex. nut M8		
40		Hex. socket set screw M5×8		
41		Hex. socket bolt M8×45		
42		Truss screw M3×6		
43		Truss screw M4×8		
44		Hex. socket bolt M4×25		
45		Hex. bolt M4×25		



⑬ Control system (BEAT-802) I

[illegible]



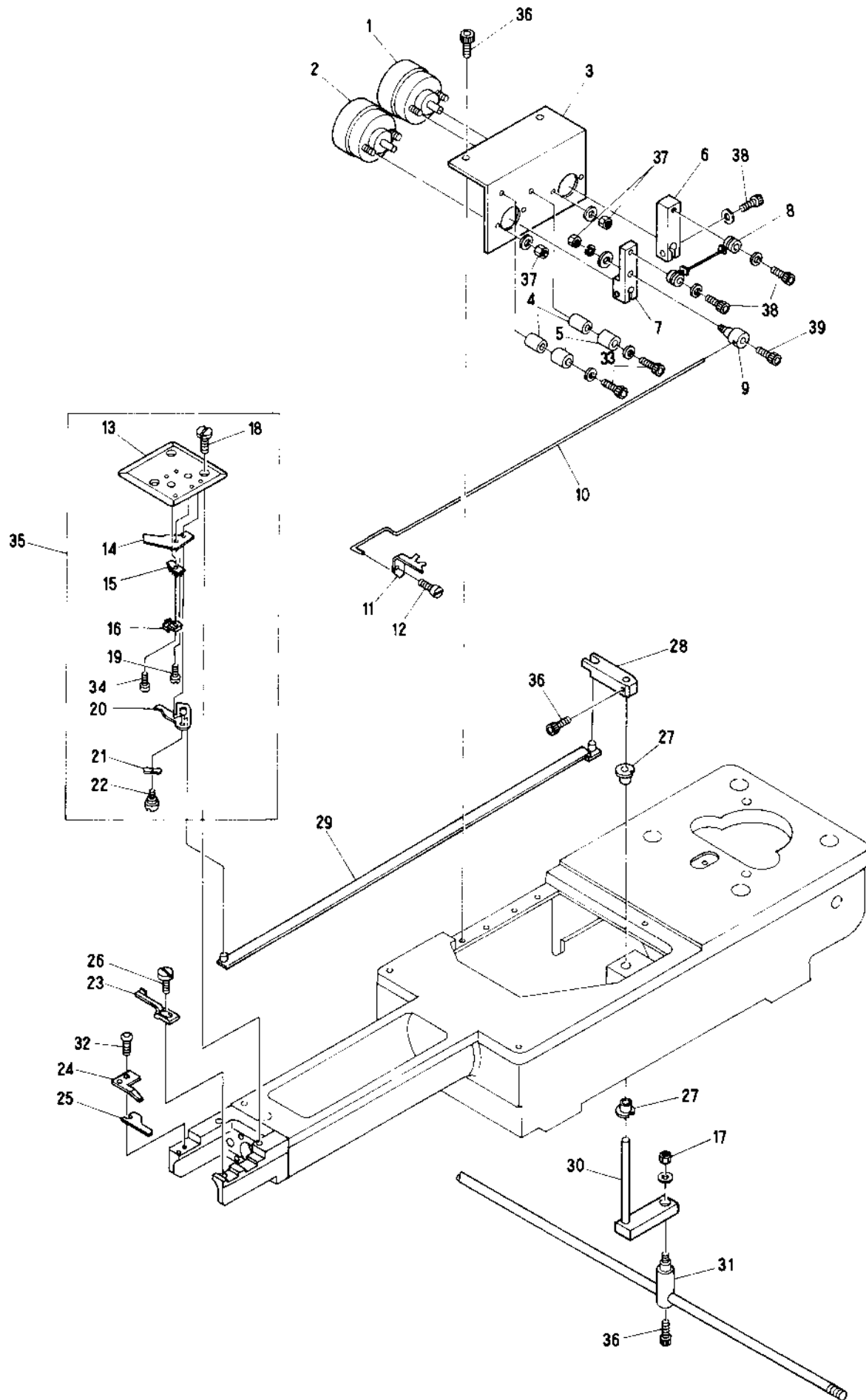
MODEL BEAT 802-MB02-YS

⑬ Control system (BEAT-M802) II

ITEM	LIST No.	DESCRIPTION	Q'TY	REMARK
1	EAN017A0	STX Controller	1	
2	MT511220	STX Controller fixing base	1	
3	MT511210	Controller fixing pipe	1	
4	MT510622	Cable duct No.1	1	
5	EBN01550	M7000 3.5 inch FDD (7011-1138)	2	
6	EBN00580	SDU Control mother board (7020-2300)	1	
7	EBN01430	SDU Memory board (DAB 5)	1	
8	EBN00620	SDU Control board (7020-2100)	1	
9	EBN00630	SDU Power board (7020-2200)	1	
10	EBN01560	M7000 HDD (7011-1139)	1	
11	EBN00640	Stepping motor driver (7020-2800)	2	
12	EBN00560	SDU Driver mother board (7020-2700)	1	
13	MT510631	Cable duct No.2	1	
14	EBN01540	M7000 HDD Control board (7011-0019)	1	
15	EAN016A2	Driver SDU	1	
16	EAN019A3	802 Transformer (1P)	1	
17	KF530160	Bar switch	1	
18	KF530170	Bar switch cap	2	
19	KC530240	Bar switch bracket (S-Cylinder)	5	
20	KF530111	Push button switch MS319 (Red)	1	
	KF530120	Push button switch MS319 (Green)	1	
21	KC530230	Bar switch bracket (L-Cylinder)	4	
22	KF530150	Push button switch cap	2	
23	MT511240	STX Controller fixing spacer	1	
24	EBN00720	STX Mother board (7020-1300)	1	
25	EBN00680	FLTABA 2 indicator (M202SD03C)	1	
26	EBN00730	STX Control board (7020-1200)	1	
27	EBN00740	STX Keyboard (7020-1400)	1	
28	EBN00760	M7000 CPU board (7011-0014)		
29		Hex. nut M10		
30		Hex. nut M8		
31		Hex. socket bolt M6×30		
32		Hex. nut M6		
33		Tapping screw M4×20		
34	FA911096	BEAT nofuse braker	1	
35	90H00205	BECS-89P 14 inch	1	
36	EAN038A0	BEAT M7000 STX, SDU set	1	
37	FA911112	M7000 BECS-P (MK-Mouse 3)	1	
38	EBN01510	M7000 Keyboard unit (7011-4501)	1	
39	EBN00840	Connector board (7011-4300)	1	
40	EBN00770	M7000 Monitor I/F board (7011-0015)	1	
41	EBN00850	M7000 Power source unit (7011-0013)	1	
42	EBN00950	M7000 BECS Punching 186 NDP board	1	
43	EBN01530	M7000 CG board (8211-7050)	1	
44	EBN00780	M7000 HDD I/F board (7011-0016)	1	

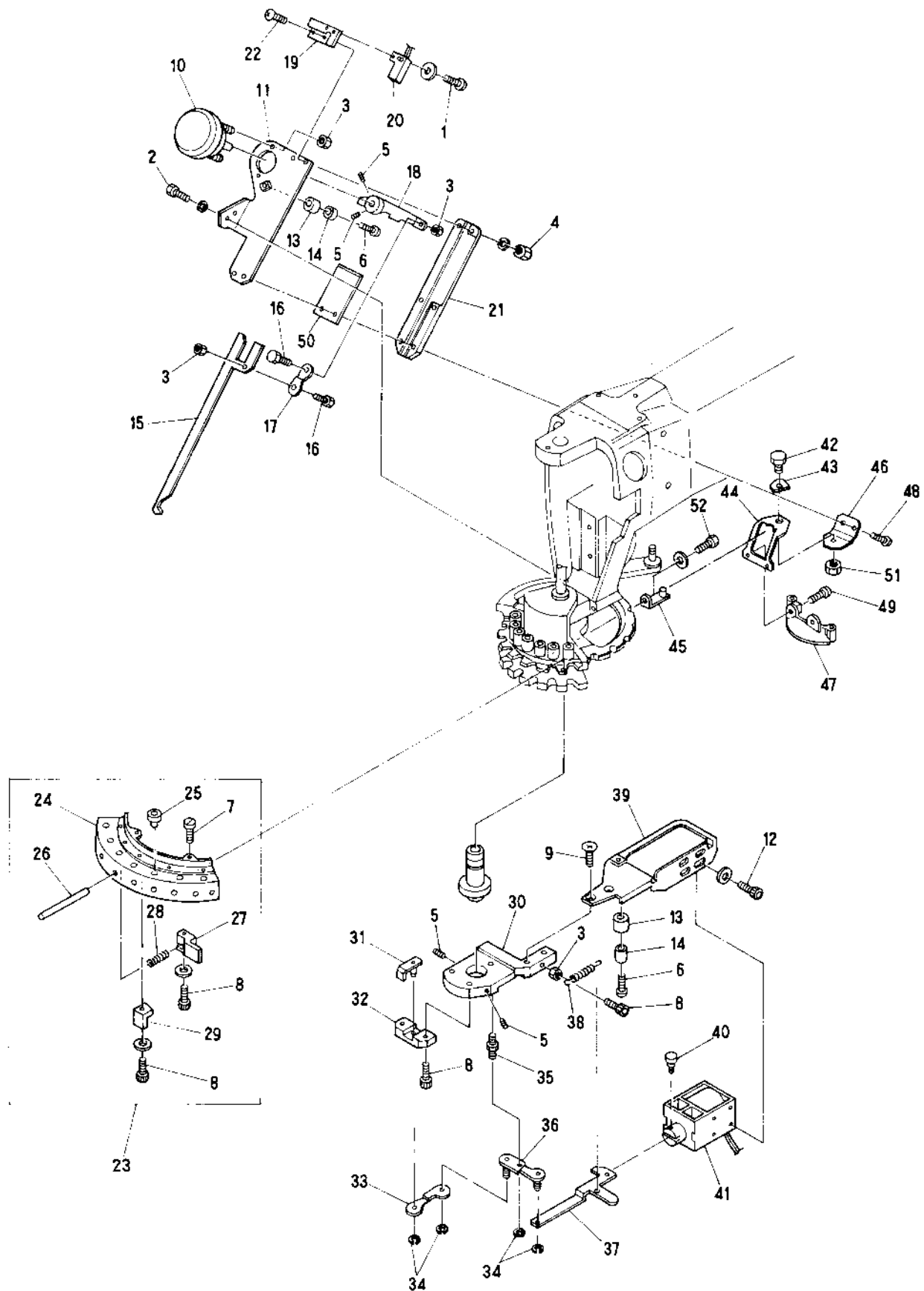
⑬ Control system (BEAT-M802) II

[illegible]



⑭ Thread cutting mechanism I

[illegible]



- MODEL BEAT 802 -YS-
M802

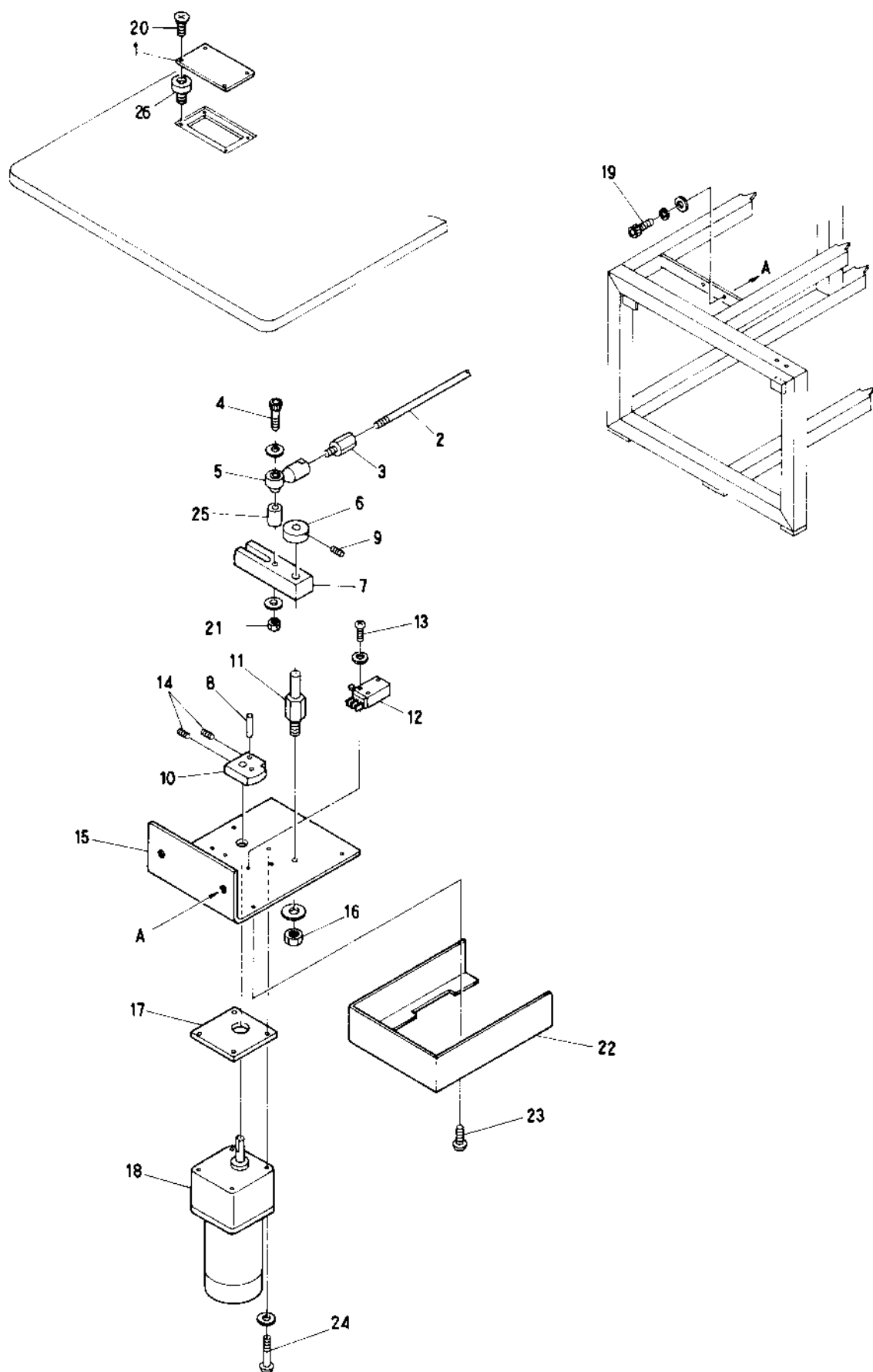
15 Thread cutting mechanism II

(N=Needle Qty)

ITEM	LIST No.	DESCRIPTION	QTY	REMARK
1		Truss screw M3×6		
2		Hex. socket bolt M4×12		
3		Hex. nut M4		
4		Hex. nut M3		
5		Hex. socket set screw M4×8		
6		Truss screw M4×16		
7		Set screw (SMO/64 4C)		
8		Hex. socket bolt M4×10		
9		Pan screw M4×8		
10	A9056018	Rotary solenoid (4ER67.5-34×8×9)	1	
11	KL270081	Thread away base	1	
12		Hex. socket bolt M3×6		
13	KL270150	Eccentric cover	2	
14	KL270140	Stopper eccentric	2	
15	KL270101	Thread away hook	1	
16	KL270130	Lever connecting pin	2	
17	KL270120	Connecting plate	1	
18	KL270110	Thread away solenoid lever	1	
19	KL270260	Switch stay	1	
20	A9052028	Limit switch (RS 603)	1	
21	KL270091	Thread away hook guide	1	
22		Truss screw M3×10		
23	KC270761	Thread support apron LF a'ssy (5)	1	
	KG270760	Thread support apron US a'ssy (7)	1	
24	KC270283	Thread support apron (5)	1	
	KG270282	Thread support apron (7)	1	
25	KF230580	Take up lever ceramic	N×1	
26	KG270310	Thread support pin	N×1	
27	KC270301	Thread support clamp	N×1	
28	KC270271	Support spring	N×1	
29	KC270292	Thread support block	N×1	
30	KL270000	Fixing base	1	
31	KL270020	Thread support slider	1	
32	KL270010	Slide base	1	
33	KL270030	Driving plate	1	
34	A9012056	E-Ring φ3	4	
35	KL270040	Lever turret pin	1	
36	KL270050	Solenoid lever	1	
37	KL270060	Lever connecting plate	1	
38	KL270520	Return spring	1	
39	KL270070	Solenoid stay	1	
40	KC270101	Solenoid pin	1	
41	A9056013	Keep solenoid (TDS KIOSL)	1	
42	KL270410	Thread hanger plate rotary shaft	1	
43	A9013045	Wave washer (WW-5)	1	

⑮ Thread cutting mechanism II

[illegible]



⑩ Thread cutting drive mechanism III

[illegible]

I N D E X

L I S T	No.	PAGE No.	ITEM	L I S T	No.	PAGE No.	ITEM
1 P U 0 2 5 2 0		1 8	1 6	A 9 0 5 2 0 2 6		2 4	2
9 0 H 0 0 2 0 5		3 0	3 5	A 9 0 5 2 0 2 6		2 6	2 2
9 Z 1 9 0 0 2 2		2 8	2 9	A 9 0 5 2 0 2 8		3 4	2 0
A 9 0 1 0 0 1 7		6	5	A 9 0 5 6 0 0 7		3 4	1 0
A 9 0 1 0 0 1 7		1 8	5	A 9 0 5 6 0 0 8		3 2	2
A 9 0 1 1 0 2 1		8	7	A 9 0 5 6 0 1 2		3 2	1
A 9 0 1 1 0 2 1		1 0	3 2	A 9 0 5 6 0 1 3		3 4	4 1
A 9 0 1 1 0 2 2		1 0	3 4	A 9 0 5 6 0 2 0		1 0	4 5
A 9 0 1 1 0 2 3		1 0	3 1	A 9 0 6 5 0 2 6		3 6	1 8
A 9 0 1 1 0 6 3		2 4	1 6	E A N 0 1 6 A 1		2 8	1
A 9 0 1 1 0 6 3		2 6	1 6	E A N 0 1 6 A 2		2 8	1 5
A 9 0 1 1 1 1 5		1 0	9	E A N 0 1 6 A 2		3 0	1 5
A 9 0 1 1 1 5 2		8	6	E A N 0 1 7 A 0		3 0	1
A 9 0 1 2 0 0 1		1 4	3 1	E A N 0 1 9 A 3		2 8	1 6
A 9 0 1 2 0 0 2		1 4	4	E A N 0 1 9 A 3		3 0	1 6
A 9 0 1 2 0 0 2		3 6	5	E A N 0 3 8 A 0		3 0	3 6
A 9 0 1 2 0 0 3		1 0	6 0	E B N 0 0 1 8 0		3 0	4 4
A 9 0 1 2 0 0 5		1 0	6 0	E B N 0 0 5 6 0		2 8	1 2
A 9 0 1 2 0 0 7		6	3 4	E B N 0 0 5 6 0		3 0	1 2
A 9 0 1 2 0 0 7		3 2	2 6	E B N 0 0 5 8 0		2 8	6
A 9 0 1 2 0 2 7		6	5 7	E B N 0 0 5 8 0		3 0	6
A 9 0 1 2 0 3 2		4	5	E B N 0 0 6 0 0		2 8	7
A 9 0 1 2 0 5 1		1 0	5 5	E B N 0 0 6 2 0		2 8	8
A 9 0 1 2 0 5 2		2 4	2 2	E B N 0 0 6 2 0		3 0	8
A 9 0 1 2 0 5 2		2 6	2 7	E B N 0 0 6 3 0		2 8	9
A 9 0 1 2 0 5 3		1 0	7 5	E B N 0 0 6 3 0		3 0	9
A 9 0 1 2 0 5 6		3 4	3 4	E B N 0 0 6 4 0		2 8	1 1
A 9 0 1 2 1 1 4		3 2	2 7	E B N 0 0 6 4 0		3 0	1 1
A 9 0 1 2 1 1 6		1 4	5 2	E B N 0 0 6 5 0		1 2	1 2
A 9 0 1 2 1 6 4		8	2 9	E B N 0 0 6 6 0		1 4	1 5
A 9 0 1 2 1 9 0		1 0	4	E B N 0 0 6 7 0		2 8	2 3
A 9 0 1 2 2 0 8		1 4	3 2	E B N 0 0 6 8 0		2 8	2 4
A 9 0 1 2 2 1 1		2 8	3 0	E B N 0 0 6 8 0		3 0	2 5
A 9 0 1 2 2 1 6		4	2 4	E B N 0 0 6 9 0		2 8	2 5
A 9 0 1 2 2 9 1		1 0	2 8	E B N 0 0 7 0 0		2 8	2 6
A 9 0 1 3 0 4 5		3 2	2 1	E B N 0 0 7 1 0		2 8	2 7
A 9 0 1 3 0 4 5		3 4	4 3	E B N 0 0 7 2 0		3 0	2 4
A 9 0 1 4 0 5 1		1 0	5 4	E B N 0 0 7 3 0		3 0	2 6
A 9 0 1 4 0 6 3		6	6 0	E B N 0 0 7 4 0		3 0	2 7
A 9 0 2 0 0 9 8		2 4	7	E B N 0 0 7 6 0		3 0	2 8
A 9 0 2 0 0 9 8		2 6	6	E B N 0 0 7 7 0		3 0	4 0
A 9 0 2 0 1 1 8		2 0	3	E B N 0 0 8 4 0		3 0	3 9
A 9 0 5 2 0 0 5		3 6	1 2	E B N 0 0 8 5 0		3 0	4 1
A 9 0 5 2 0 2 4		2 4	2 6	E B N 0 0 9 3 0		3 0	4 5
A 9 0 5 2 0 2 4		2 6	2 4	E B N 0 0 9 5 0		3 0	4 2

I N D E X

L I S T	No.	PAGE No.	ITEM	L I S T	No.	PAGE No.	ITEM
EBN 0 1 1 0 0		1 2	1 2	HB 2 4 0 0 5 0		1 0	4 8
EBN 0 1 4 3 0		3 0	7	HB 2 4 0 0 7 0		1 0	5 3
EBN 0 1 5 1 0		3 0	3 8	HB 2 4 0 0 8 0		1 0	5 8
EBN 0 1 5 2 0		3 0	4 6	HB 2 4 0 0 9 0		1 0	5 7
EBN 0 1 5 3 0		3 0	4 3	HB 2 4 0 1 1 0		1 0	5 2
EBN 0 1 5 4 0		3 0	1 4	HB 2 4 0 1 7 1		8	1 8
EBN 0 1 5 5 0		3 0	5	HB 2 4 0 1 8 0		8	2
EBN 0 1 5 6 0		3 0	1 0	HB 2 4 0 2 6 0		1 2	1 1
FA 9 1 1 0 9 6		2 8	5	HB 2 4 0 2 7 0		1 2	1 1
FA 9 1 1 0 9 6		3 0	3 4	HB 2 4 0 2 8 0		8	1 8
FA 9 1 1 1 1 2		3 0	3 7	HB 2 4 0 2 9 0		8	2
HB 2 3 0 1 4 0		1 0	3 3	HB 2 4 0 3 1 0		1 0	7 9
HB 2 3 0 1 6 0		8	2 0	HB 2 4 0 3 3 0		1 0	8 2
HB 2 3 0 1 7 0		1 0	1 3	HB 2 4 0 3 4 0		1 0	8 1
HB 2 3 0 2 7 0		8	2 1	HH 3 3 0 2 8 1		1 4	1 3
HB 2 3 0 2 9 0		8	4	HH 4 8 1 9 3 1		2 4	1 3
HB 2 3 0 3 1 0		8	1 5	HH 4 8 1 9 3 1		2 6	1 1
HB 2 3 0 3 2 0		8	1 1	HH 4 8 1 9 7 0		2 4	1 4
HB 2 3 0 3 3 1		8	1 2	HH 4 8 1 9 7 0		2 6	1 7
HB 2 3 0 3 7 1		1 0	1 0	HH 4 8 1 9 8 0		2 4	1 8
HB 2 3 0 3 8 1		1 0	5	HH 4 8 1 9 8 0		2 6	1 3
HB 2 3 0 3 9 0		1 0	3	HH 4 8 1 9 9 1		2 4	2 0
HB 2 3 0 4 0 1		1 0	1	HH 4 8 1 9 9 1		2 6	2 9
HB 2 3 0 4 1 4		1 0	1 2	HH 4 8 2 0 0 0		2 4	2 8
HB 2 3 0 4 2 0		1 0	1 1	HH 4 8 2 0 0 0		2 6	2 5
HB 2 3 0 4 3 1		1 0	3 0	HH 4 8 2 1 1 0		2 4	2 9
HB 2 3 0 4 4 1		1 0	3 0	HH 4 8 2 1 1 0		2 6	2 6
HB 2 3 0 4 6 0		1 0	4 2	HP 2 3 1 3 9 0		6	1 3
HB 2 3 0 4 7 0		1 0	4 3	HP 2 4 1 1 1 2		1 2	6
HB 2 3 0 5 1 1		1 0	1 7	HP 2 4 1 1 2 2		1 2	6
HB 2 3 0 5 2 1		1 0	1 6	HP 2 4 1 1 5 0		1 2	2
HB 2 3 0 5 3 1		1 0	1 5	HP 2 4 1 1 6 0		1 2	7
HB 2 3 0 5 4 0		1 0	1 8	HP 2 4 1 1 7 0		1 2	3
HB 2 3 0 5 5 0		1 0	2 9	HP 2 4 1 1 8 0		1 2	3
HB 2 3 0 5 6 0		1 0	7 2	HP 2 4 1 3 7 1		1 2	8
HB 2 3 0 5 7 0		1 0	8 4	HP 2 4 1 3 8 1		1 2	8
HB 2 3 0 5 8 0		1 0	7 7	HP 2 4 1 4 0 0		1 2	1 4
HB 2 3 0 5 9 0		1 0	2	HP 2 4 1 4 1 0		1 2	1
HB 2 3 0 6 0 0		1 0	8 3	HP 2 4 1 4 3 0		1 6	4
HB 2 3 0 6 1 0		1 0	8 3	HP 2 4 1 4 5 0		1 2	4
HB 2 3 0 6 5 0		8	3 5	HP 2 4 1 4 6 0		1 2	4
HB 2 3 0 7 0 0		1 0	8 0	HP 2 4 1 4 7 0		1 2	1 0
HB 2 4 0 0 2 0		1 0	5 0	HP 2 4 1 4 8 0		1 2	1 0
HB 2 4 0 0 3 0		1 0	5 1	HP 2 5 0 0 5 0		1 2	2 0
HB 2 4 0 0 4 0		1 0	4 9	HP 3 2 1 1 4 0		1 8	7

I N D E X

L I S T	No.	PAGE No.	ITEM	L I S T	No.	PAGE No.	ITEM
HP 4 8 2 9 1 0		2 4	1 2	K C 2 2 0 2 1 0		6	4 0
HP 4 8 2 9 1 0		2 6	7	K C 2 2 0 6 4 0		6	4 5
HP 4 8 2 9 4 0		2 4	8	K C 2 2 0 6 4 1		3 2	2 3
HP 4 8 2 9 4 0		2 6	5	K C 2 5 0 4 7 1		6	5 5
HP 4 8 2 9 5 0		2 4	6	K C 2 5 0 4 8 1		6	5 4
HP 4 8 2 9 5 0		2 6	4	K C 2 5 1 3 3 0		6	4 6
HP 4 8 2 9 8 0		2 4	2 1	K C 2 7 0 1 0 1		3 4	4 0
HP 4 8 2 9 8 0		2 6	2 8	K C 2 7 0 2 7 1		3 4	2 8
HP 4 8 2 9 9 0		2 4	1 7	K C 2 7 0 2 8 3		3 4	2 4
HP 4 8 2 9 9 0		2 6	1 4	K C 2 7 0 2 9 2		3 4	2 9
HP 4 8 3 1 1 1		2 6	1	K C 2 7 0 3 0 1		3 4	2 7
HP 4 8 3 3 7 0		2 4	3	K C 2 7 0 7 6 1		3 4	2 3
HP 4 8 3 3 7 0		2 6	2	K C 2 7 0 9 5 0		3 2	2 0
HP 7 1 0 7 9 0		1 6	7	K C 2 7 0 9 6 0		3 2	1 4
KB 2 1 0 1 6 0		6	2 3	K C 2 7 0 9 7 0		3 2	2 2
KB 2 1 0 1 7 0		1 0	4 6	K C 2 7 0 9 8 0		3 2	1 9
KB 2 3 0 0 1 0		6	4 7	K C 2 7 1 0 0 0		3 2	1 2
KB 2 3 0 0 3 0		6	3 1	K C 2 7 1 0 2 1		3 2	1 1
KB 2 3 0 0 5 0		6	3 3	K C 2 7 1 0 3 1		3 2	1 0
KB 2 3 0 0 6 0		1 0	8	K C 2 7 1 0 4 1		3 2	9
KB 2 3 0 0 7 0		1 0	7	K C 2 7 1 0 7 0		3 2	2 9
KB 2 3 0 0 8 0		1 0	6	K C 2 7 1 1 2 0		3 2	2 8
KB 2 3 0 0 9 0		8	5	K C 2 7 1 1 3 0		3 2	3 0
KB 2 3 0 1 0 0		8	8	K C 2 7 1 1 4 0		3 6	7
KB 2 3 0 1 1 0		8	9	K C 2 7 1 1 5 1		3 6	1 1
KB 2 3 0 1 2 0		8	1 0	K C 2 7 1 1 6 2		3 6	1 5
KB 2 3 0 1 3 0		8	1 9	K C 2 7 1 1 7 2		3 6	1 0
KB 2 3 0 1 4 0		8	1 7	K C 2 7 1 4 3 0		3 6	1 7
KB 2 3 0 1 5 0		8	1 6	K C 2 7 1 4 4 0		3 6	1
KB 2 3 0 1 6 1		8	1	K C 2 7 1 9 4 0		3 2	7
KB 2 3 0 1 7 0		1 0	4 4	K C 2 7 1 9 5 0		3 2	6
KB 2 3 0 3 1 0		8	3 6	K C 2 7 1 9 6 0		3 2	3
KB 2 4 0 0 1 0		8	1 4	K C 3 2 0 5 9 0		1 8	1
KB 2 4 0 0 2 0		8	3	K C 3 3 0 1 3 0		1 4	1 6
KB 2 4 0 0 3 0		1 0	4 7	K C 3 3 0 1 6 1		1 4	2 1
KB 2 4 0 0 4 0		1 0	5 6	K C 3 3 0 1 7 0		1 4	1 4
KB 2 4 0 0 5 1		1 2	1 3	K C 3 3 0 1 8 0		1 4	2 2
KB 2 4 0 0 6 0		1 2	1 6	K C 3 3 0 1 8 0		3 6	6
KB 2 4 0 0 7 0		1 2	1 6	K C 3 3 0 1 9 0		1 4	2 0
KB 2 4 0 1 0 0		1 2	1 5	K C 3 3 0 2 1 0		1 4	1 8
KB 2 5 0 0 2 0		1 2	1 7	K C 3 3 0 2 3 0		1 4	7
KB 2 5 0 0 3 0		1 2	1 8	K C 3 3 0 2 6 0		1 4	1
KB 2 5 0 0 4 0		1 2	1 9	K C 3 3 0 2 9 0		1 4	6
KB 2 5 0 0 5 0		1 2	2 1	K C 3 3 0 3 1 0 3 8 0		1 0	5 9
KB 2 5 0 0 6 0		1 2	2 2	K C 3 3 0 4 1 0		1 0	4 1

I N D E X

L I S T	No.	PAGE No.	ITEM	L I S T	No.	PAGE No.	ITEM
K C 3 3 0 4 1 0		3 6	2	K F 5 3 0 1 1 1		3 0	2 0
K C 3 3 0 5 1 0		1 4	3	K F 5 3 0 1 2 0		2 8	2 0
K C 3 3 0 5 1 0		3 6	3	K F 5 3 0 1 2 0		3 0	2 0
K C 3 3 0 6 1 0		1 4	2 7	K F 5 3 0 1 5 0		2 8	2 2
K C 3 3 0 8 1 0		1 4	2 8	K F 5 3 0 1 5 0		3 0	2 2
K C 3 3 0 8 5 0		1 4	2	K F 5 3 0 1 6 0		2 8	1 7
K C 4 8 0 3 5 0		2 2	3	K F 5 3 0 1 6 0		3 0	1 7
K C 5 1 0 2 4 0		2 0	1 2	K F 5 3 0 1 7 0		2 8	1 8
K C 5 3 0 2 3 0		2 8	2 1	K F 5 3 0 1 7 0		3 0	1 8
K C 5 3 0 2 3 0		3 0	2 1	K F 5 4 0 3 5 0		1 8	9
K C 5 3 0 2 4 0		2 8	1 9	K F 7 1 0 2 8 0		1 6	6
K C 5 3 0 2 4 0		3 0	1 9	K G 2 3 0 0 2 0		1 0	1 9
K E 3 3 0 9 8 0		1 4	1 7	K G 2 3 0 6 1 0		1 4	1 0
K F 2 2 0 1 3 0		6	1 1	K G 2 4 1 0 2 0		1 2	5
K F 2 2 0 2 3 0		6	4 4	K G 2 5 0 0 1 0		1 2	2 0
K F 2 2 0 2 7 0		6	2 7	K G 2 7 0 2 8 2		3 4	2 4
K F 2 2 0 2 9 0		6	3 7	K G 2 7 0 3 1 0		3 4	2 6
K F 2 2 0 4 1 0		6	5 1	K G 2 7 0 7 6 0		3 4	2 3
K F 2 2 0 4 4 0		6	5 2	K G 3 3 0 1 5 0		1 4	2 3
K F 2 2 0 4 6 0		6	1 9	K G 3 3 0 2 2 0		1 4	2 4
K F 2 2 0 4 7 0		6	2 6	K G 7 1 1 1 7 0		1 6	3
K F 2 2 0 4 8 0		6	3 5	K L 2 1 0 1 1 3		6	3
K F 2 2 0 7 8 0		6	4 9	K L 2 1 0 1 4 0		6	1 7
K F 2 3 0 2 1 0		1 0	2 7	K L 2 2 0 0 0 0		6	1 6
K F 2 3 0 2 3 0		1 0	2 2	K L 2 2 0 0 1 0		6	2 4
K F 2 3 0 2 4 0		1 0	2 3	K L 2 2 0 0 2 0		6	2 9
K F 2 3 0 2 5 0		1 0	2 4	K L 2 2 0 0 3 0		6	1 5
K F 2 3 0 3 6 0		1 4	2 5	K L 2 2 0 0 4 0		6	6
K F 2 3 0 4 2 0		6	3 0	K L 2 2 0 0 5 0		6	2 1
K F 2 3 0 5 0 0		8	1 3	K L 2 2 0 0 6 0		6	2 5
K F 2 3 0 5 8 0		8	2 2	K L 2 2 0 0 7 0		6	3 6
K F 2 3 0 5 8 0		3 4	2 5	K L 2 2 0 0 8 0		6	1 2
K F 2 3 0 6 3 0		1 0	3 8	K L 2 2 0 0 9 0		6	4
K F 2 3 0 6 3 0		1 4	1 1	K L 2 2 0 1 0 0		6	1
K F 2 3 0 6 4 0		1 0	3 9	K L 2 2 0 1 2 0		6	4 1
K F 2 3 0 6 5 0		1 0	3 7	K L 2 2 0 1 3 0		6	1 4
K F 2 3 0 6 6 1		1 0	3 6	K L 2 2 0 1 4 0		6	2 0
K F 2 3 0 6 7 0		1 0	3 5	K L 2 2 0 1 5 0		6	8
K F 2 3 0 9 1 0		1 0	2 0	K L 2 3 0 1 1 0		1 0	2 5
K F 2 3 0 9 2 0		1 0	2 6	K L 2 3 0 2 8 0		1 0	6 9
K F 2 3 0 9 3 0		1 0	2 1	K L 2 5 0 0 4 0		6	7
K F 2 4 0 9 0 0		1 6	5	K L 2 5 0 0 5 1		6	5 9
K F 2 5 0 9 0 0		6	4 2	K L 2 5 0 0 7 0		6	5 6
K F 3 3 0 3 8 1		1 0	4 0	K L 2 7 0 0 0 0		3 4	3 0
K F 5 3 0 1 1 1		2 8	2 0	K L 2 7 0 0 1 0		3 4	3 2

I N D E X

L I S T	No.	PAGE No.	ITEM	L I S T	No.	PAGE No.	ITEM
KL 2 7 0 0 2 0	3 4	3 1		KU 2 7 0 0 1 0	3 2	3 1	
KL 2 7 0 0 3 0	3 4	3 3		KU 3 1 0 1 6 1	1 8	1 0	
KL 2 7 0 0 4 0	3 4	3 5		KU 3 1 2 7 2 0	2 0	4	
KL 2 7 0 0 5 0	3 4	3 6		KU 3 1 2 7 3 0	2 0	1	
KL 2 7 0 0 6 0	3 4	3 7		KU 3 1 2 7 6 1	2 0	2	
KL 2 7 0 0 7 0	3 4	3 9		KU 3 1 5 2 5 0	2 0	2 3	
KL 2 7 0 0 8 1	3 4	1 1		KU 4 6 0 2 7 0	2 4	2 7	
KL 2 7 0 0 9 1	3 4	2 1		KU 4 6 0 2 7 0	2 6	3 1	
KL 2 7 0 1 0 1	3 4	1 5		KU 4 8 3 1 8 0	2 6	3	
KL 2 7 0 1 1 0	3 4	1 8		KU 5 1 0 7 6 1 0 2 5 2 0	1 6	1	
KL 2 7 0 1 2 0	3 4	1 7		KU 5 1 0 8 7 1 0 2 5 2 0	1 6	1	
KL 2 7 0 1 3 0	3 4	1 6		KU 7 1 1 1 7 0	1 6	3	
KL 2 7 0 1 4 0	3 4	1 4		MA 1 4 0 3 1 0	4	3	
KL 2 7 0 1 5 0	3 4	1 3		MA 1 4 0 3 2 0	4	4	
KL 2 7 0 2 6 0	3 4	1 9		MA 1 4 0 3 8 0	4	6	
KL 2 7 0 3 6 0	3 2	8		MA 1 4 0 6 2 0	4	7	
KL 2 7 0 3 8 0	3 2	1 3		MA 1 5 1 5 0 0	4	2	
KL 2 7 0 3 9 0	3 2	3 5		MA 2 1 0 2 1 0	6	2 8	
KL 2 7 0 4 0 0	3 4	4 7		MA 2 5 0 1 3 1	6	4 3	
KL 2 7 0 4 1 0	3 4	4 2		MA 3 3 0 7 0 0	1 4	1 9	
KL 2 7 0 4 2 0	3 4	4 5		MA 4 8 0 4 9 0	2 4	3 0	
KL 2 7 0 4 3 0	3 4	4 4		MA 4 8 0 4 9 0	2 6	1 9	
KL 2 7 0 4 4 0	3 4	4 6		MA 4 8 2 1 4 0	2 2	8	
KL 2 7 0 4 5 0	3 4	5 0		MA 4 8 2 1 4 0	2 4	9	
KL 2 7 0 5 2 0	3 4	3 8		MA 4 8 2 1 4 0	2 6	8	
KL 3 2 0 0 0 0	1 8	6		MT 1 1 1 0 8 4	4	2 3	
KL 3 2 0 0 2 0	1 8	3		MT 1 1 1 0 9 1	4	2 0	
KL 3 3 0 0 4 0	1 4	2 6		MT 1 1 1 1 0 0	4	1 6	
KL 3 3 0 0 5 0	1 4	3 0		MT 1 1 1 1 1 1	4	1 1	
KN 2 3 1 3 5 0	1 0	1 4		MT 1 1 1 1 2 1	4	1 2	
KN 2 7 1 1 9 1	3 2	1 6		MT 1 1 1 1 3 0	4	2 2	
KN 2 7 1 2 2 0	3 2	1 5		MT 1 1 1 1 4 0	4	2 1	
KN 2 7 1 6 0 2	3 2	2 5		MT 1 1 1 1 5 0	4	1 3	
KN 2 7 1 6 1 0	3 2	2 4		MT 1 1 1 1 6 0	4	1 5	
KN 2 7 1 6 5 1	3 2	4		MT 1 1 1 1 7 0	4	1 4	
KN 2 7 1 6 6 2	3 2	5		MT 1 1 1 1 8 2	4	1 0	
KN 2 7 1 7 1 2	3 6	2 2		MT 1 2 0 1 8 3	4	1	
KN 2 7 1 8 0 0	3 6	2 5		MT 1 2 0 8 1 1	4	1 7	
KN 2 7 2 3 5 0	3 6	8		MT 1 2 0 8 2 1	4	1 9	
KN 3 3 0 2 4 0	1 4	5		MT 1 2 0 8 3 1	4	1 8	
KN 3 3 0 2 5 0	1 4	8		MT 1 2 0 8 4 1	4	9	
KN 4 8 0 0 6 1	2 4	3 1		MT 1 2 0 9 6 1	4	2 5	
KN 4 8 0 0 6 1	2 6	3 2		MT 1 3 0 3 3 0	4	8	
KN 4 8 0 4 0 0	2 2	2		MT 1 5 0 0 0 2	4	2 6	
KU 2 4 1 4 0 0	1 2	1 4		MT 3 1 0 0 1 0	2 0	7	

I N D E X

L I S T	No.	PAGE	No.	ITEM	L I S T	No.	PAGE	No.	ITEM
MT 3 1 0 1 3 0		2 0		9	WW 3 1 0 3 1 0		1 8		1 4
MT 3 1 4 3 1 2		2 0		8					
MT 3 1 4 3 9 2		2 0		5					
MT 3 1 4 4 1 0		2 0		1 1					
MT 3 1 4 4 2 0		2 0		1 0					
MT 3 1 5 2 6 0		2 0		6					
MT 3 3 0 6 9 0		1 4		9					
MT 3 3 0 7 9 0		1 4		2 9					
MT 3 3 0 8 0 1		1 4		1 2					
MT 4 5 0 0 0 0		2 2		1					
MT 4 5 0 9 2 0		2 2		4					
MT 4 6 0 2 3 0		2 4		2 5					
MT 4 6 0 2 4 0		2 6		2 3					
MT 4 6 0 2 5 2		2 4		1					
MT 4 6 0 2 6 2		2 6		2 1					
MT 4 6 0 2 8 1		2 4		2 4					
MT 4 6 0 2 9 1		2 6		2 0					
MT 4 7 0 1 1 0		2 2		9					
MT 4 7 0 1 1 0		2 4		1 0					
MT 4 7 0 1 1 0		2 6		9					
MT 4 8 0 1 4 0		2 2		5					
MT 4 8 0 1 5 0		2 2		7					
MT 4 8 0 1 8 0		2 2		6					
MT 4 8 2 8 7 1		2 4		5					
MT 4 8 3 1 4 1		2 4		2 3					
MT 4 8 3 1 5 1		2 6		1 8					
MT 4 8 3 3 6 0		2 4		1 1					
MT 4 8 3 3 6 0		2 6		1 0					
MT 5 1 0 2 1 0		2 0		1 3					
MT 5 1 0 6 2 2		2 8		4					
MT 5 1 0 6 2 2		3 0		4					
MT 5 1 0 6 3 1		2 8		1 3					
MT 5 1 0 6 3 1		3 0		1 3					
MT 5 1 0 6 7 1		1 6		1 0					
MT 5 1 0 6 8 1		1 6		8					
MT 5 1 0 7 9 1		1 6		9					
MT 5 1 1 2 1 0		2 8		3					
MT 5 1 1 2 1 0		3 0		3					
MT 5 1 1 2 2 0		3 0		2					
MT 5 1 1 2 4 0		3 0		2 3					
MT 5 1 1 2 7 0		2 8		2					
MT 5 2 0 4 9 0		2 8		2 8					
WM 4 8 3 2 1 0		2 4		1 5					
WM 4 8 3 2 1 0		2 6		1 5					
WW 3 1 0 3 0 0		1 8		1 2					