

*Barudan*

HIGH SPEED AUTOMATIC EMBROIDERY MACHINE

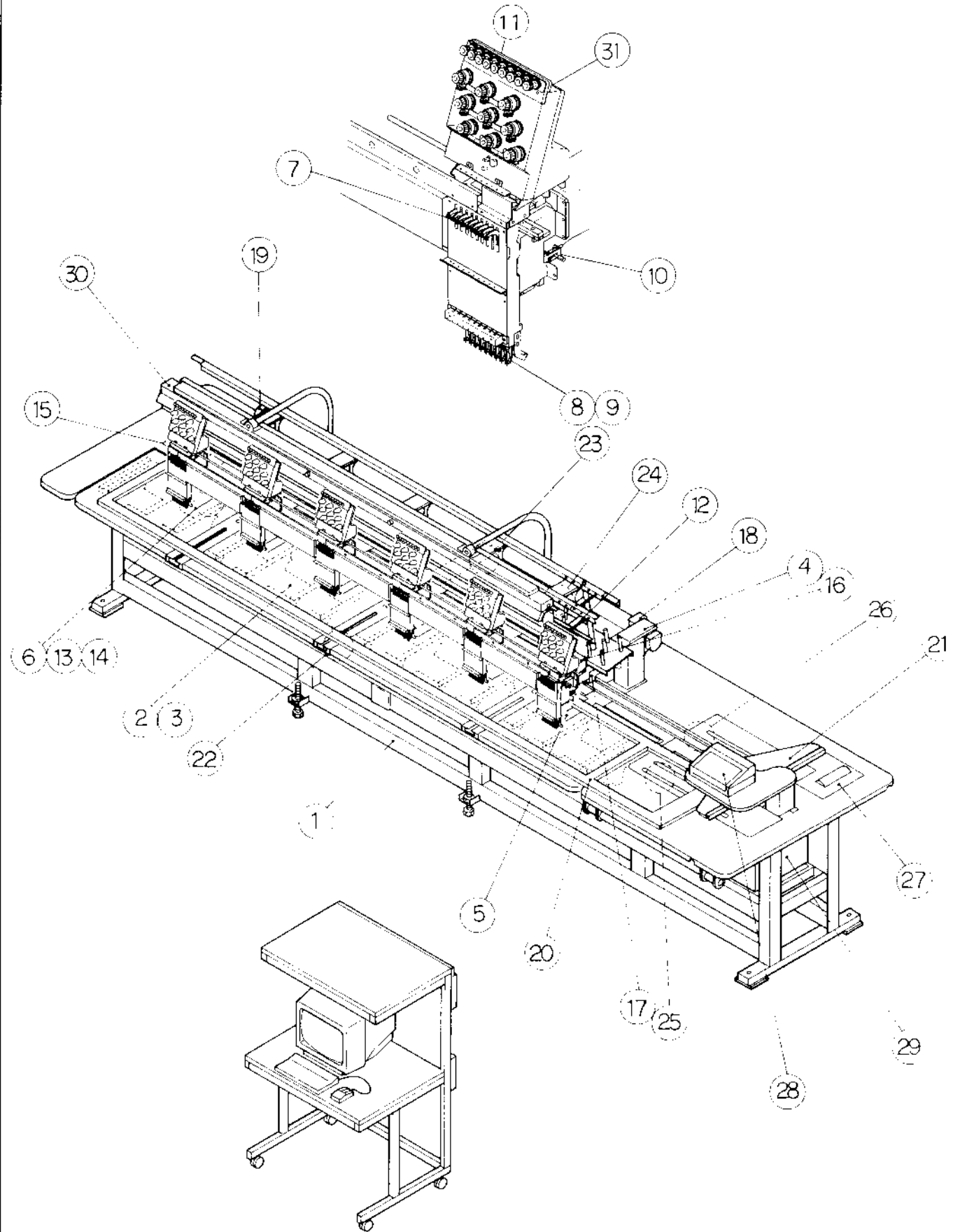
MODEL **BEATME**  
902  
904  
906  
908 **-ZN**

**PARTS LIST**

MACHINE PARTS LIST

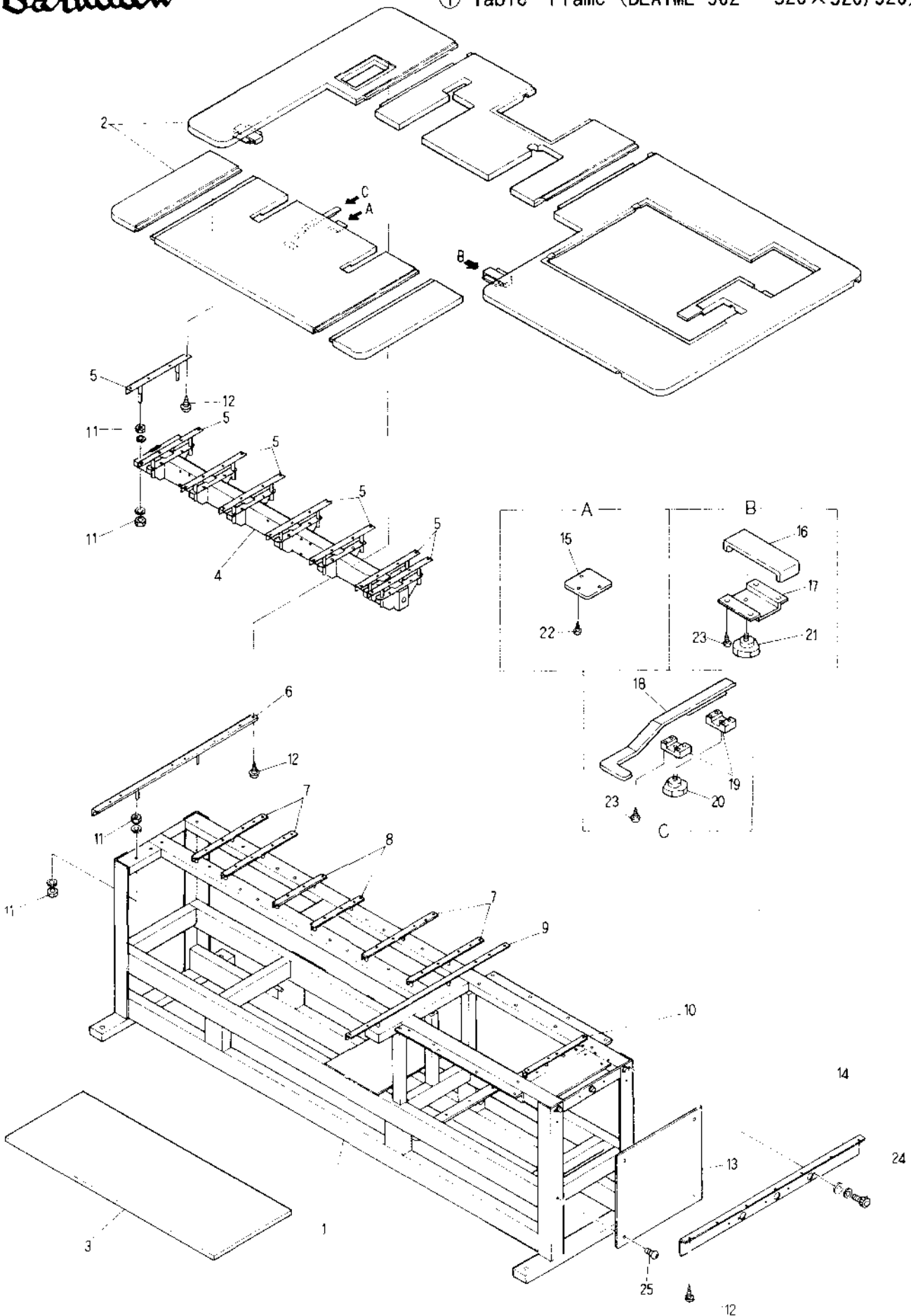
C O N T E N T S

ITEM No.	Page No.
Machine layout .....	1
① Table・Frame .....	3
② Table lifter mechanism I .....	1 1
③ Table lifter mechanism II .....	1 9
④ Sewing head a'ssy .....	2 1
⑤ Bed a'ssy .....	2 3
⑥ Automatic thread cutting mechanism I (Thread cutting section) .....	2 5
⑦ Take up lever mechanism .....	2 7
⑧ Needle bar mechanism I .....	2 9
⑨ Needle bar mechanism II .....	3 1
⑩ Jump mechanism.....	3 3
⑪ Thread guide mechanism .....	3 5
⑫ Thread guide mechanism(Head with color chage mechanism) .....	3 7
⑬ Automatic thread cutting mechanisme II (Thread away section) .....	3 9
⑭ Automatic thread cutting mechanisme III (Thread support section) .....	4 1
⑮ Automatic thread cutting mechanisme IV (Drive mechanism) .....	4 3
⑯ Color change mechanism I .....	4 5
⑰ Color change mechanism II .....	4 7
⑱ Connecting shaft mechanism .....	4 9
⑲ Driving mechanism .....	5 1
⑳ Pantograph drive mechanism I (Pantographtion・Cover) .....	5 3
㉑ Pantograph drive mechanism II (T-Pantograph relation) .....	5 5
㉒ Pantograph drive mechanism III (H-Direction・Front) .....	6 3
㉓ Pantograph drive mechanism IV (H-Direction・Rear) .....	6 5
㉔ Pantograph drive mechanism V (H-Direction・Drive) .....	6 7
㉕ Pantograph drive mechanism VI (V-Direction・Front) .....	6 9
㉖ Pantograph drive mechanism VII (V-Direction・Rear) .....	7 1
㉗ Pantograph drive mechanism VIII (V-Direction・Drive) .....	7 3
㉘ Control system I .....	7 5
㉙ Control system II .....	7 7
㉚ Option .....	7 9
㉛ Thread guide mechanism (Lower thread sensorium) .....	8 1
㉜ Cover .....	8 3
INDEX .....	8 4



Barudan

① Table • Frame (BEATME-902 320×520/520)



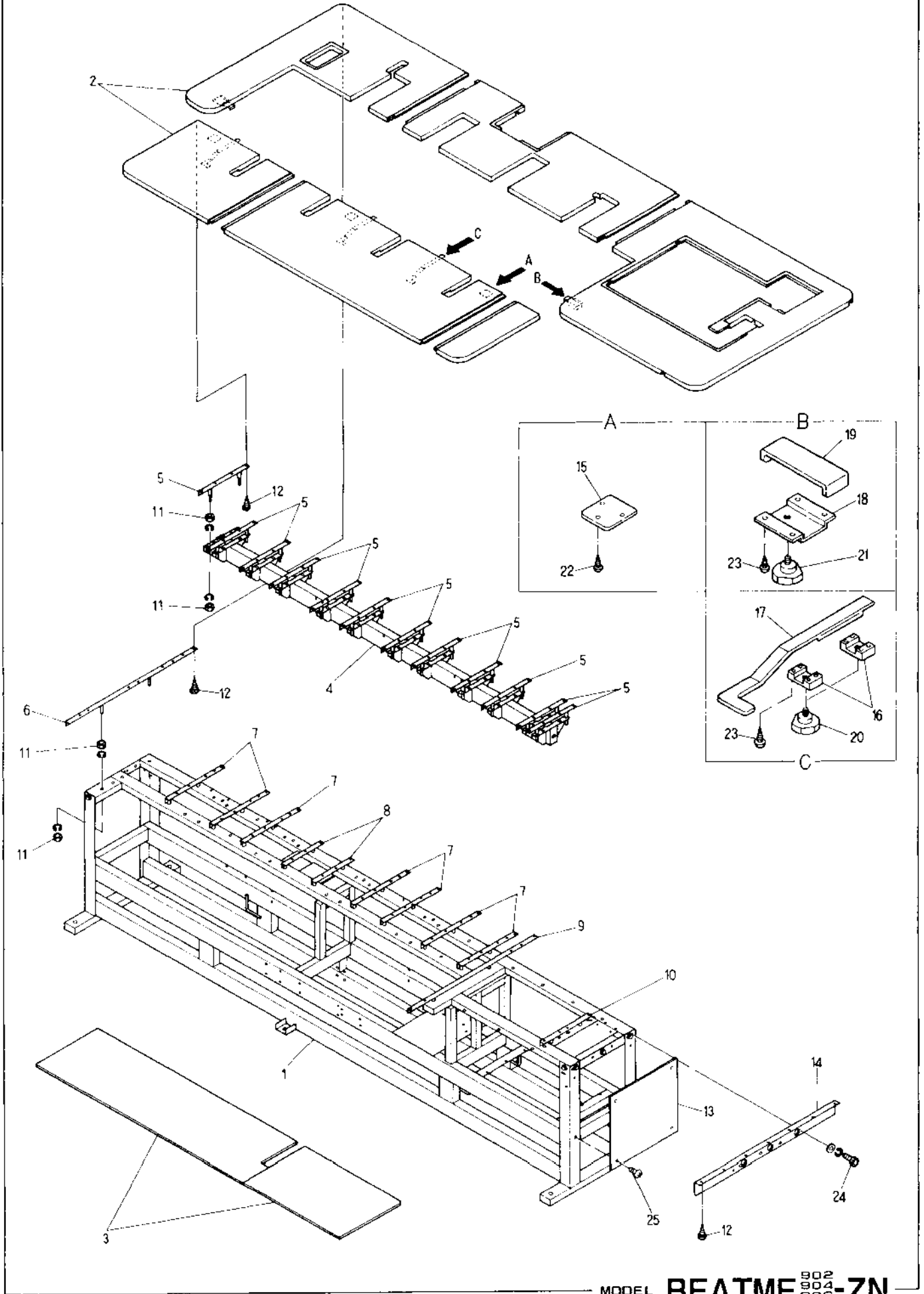
MODEL BEATME-902  
904  
906  
908  
-ZN

## ① Table · Frame (BEATME-902 320×520/520)

ITEM	LIST No.	DESCRIPTION	Q'TY	REMARK
1	1AKR025205201	Frame (BEATME-902 320×520/520)	1	
2	1BKR025205200	Table (BEATME-902 320×520/520)	1	
3	1KKR025205201	Shelf board (BEATME-902 320 ×520/520)	1	
4	2AKR025205201	Table guide (BEATME-902 320×520/520)	1	
5	KK140170	Table support (L=350)	8	
6	KR140010	Table support (L=955)	1	
7	KR140040	Table support (L=420)	4	
8	KR140000	Table support (L=290)	2	
9	KR140020	Table support (L=930)	1	
10	KR140030	Table support (L=354)	1	
11		Hex. nut M10		
12		Wood screw M5.1×25		
13	KC110910	Reg frame side cover (R)	1	
14	KK140000	Alumi table support	1	
15	KK140061	Table stopper	1	
16	KR140050	Table support plate	2	
17	MA140320	Center table support plate bracket	2	
18	KK140160	Table stopper lever	1	
19	KK140020	Table stopper bracket	2	
20	A9012259	Knob bolt KT-B, L=10 (M8)	2	
21	A9012032	Knob bolt KT-B, L=20 (M8)	2	
22		Wood screw M3.8×20		
23		Truss screw M4.5×24		
24		Hex. socket bolt M6×20		
25		Truss screw M6×8		

Barudan

① Table • Frame (BEATME-904 320×520/520)



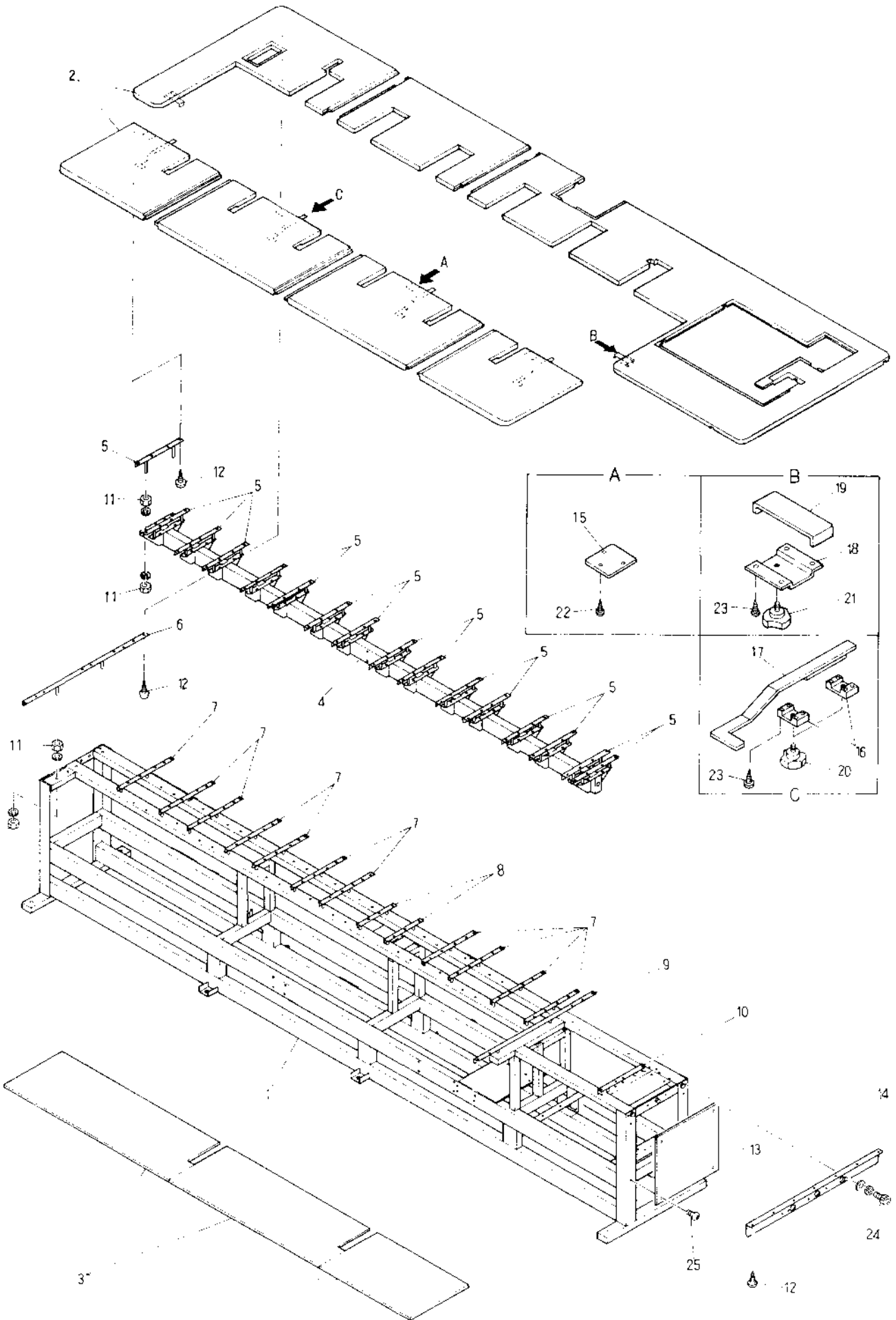
MODEL BEATME-904-2N  
902  
904  
906  
908

① Table · Frame (BEATME-904 320×520/520)

ITEM	LIST No.	DESCRIPTION	Q'TY	REMARK
1	1AKR045205201	Frame (BEATME 904 320×520/520)	1	
2	1BKR045205200	Table (BEATME-904 320×520/520)	1	
3	1KKR045205201	Shelf board (BEATME-904 320×520/520)	1	
4	2AKR045205201	Table guide (BEATME-904 320×520/520)	1	
5	KK140170	Table support (L-350)	12	
6	KR140010	Table support (L-955)	1	
7	KR140040	Table support (L-420)	7	
8	KR140000	Table support (L-290)	2	
9	KR140020	Table support (L-930)	1	
10	KR140030	Table support (L-354)	1	
11		Hex. nut M10		
12		Wood screw M5.1×25		
13	KC110910	Reg frame side cover (R)	1	
14	KK140000	Alumi table support	1	
15	KK140061	Table stopper	3	
16	KK140020	Table stopper bracket	6	
17	KK140160	Table stopper lever	3	
18	MA140320	Center table support plate bracket	2	
19	KR140050	Table support plate	2	
20	A9012259	Knob bolt KT-B, L=10 (M8)	6	
21	A9012032	Knob bolt KT-B, L=20 (M8)	2	
22		Wood screw M3.8×20		
23		Truss screw M4.5×24		
24		Hex. socket bolt M6×20		
25		Truss screw M6×8		

Barudan

① Table • Frame (BEATME-906 320×520/520)



MODEL BEATME-906-904-906-908-ZN

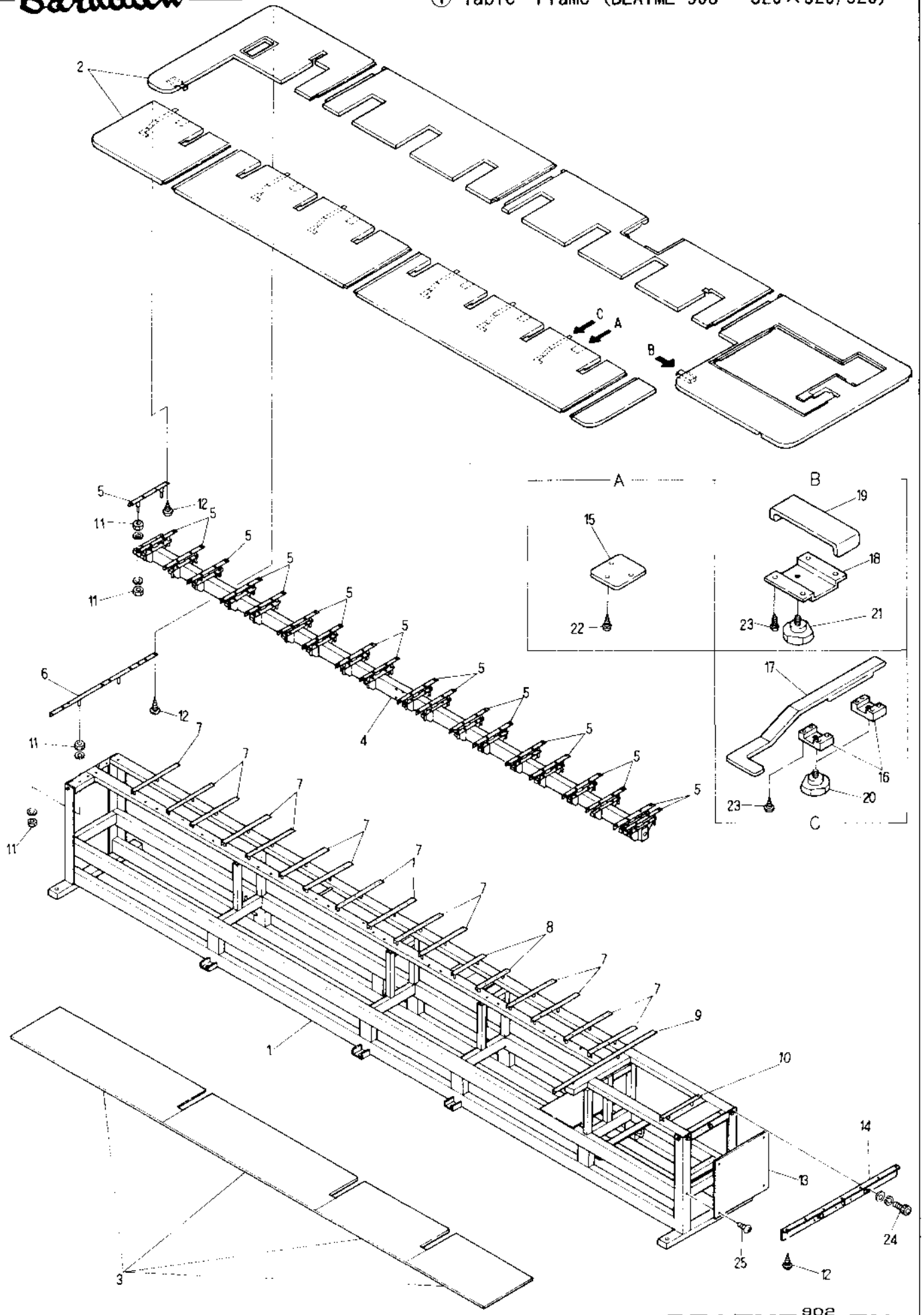


① Table · Frame (BEATME-906 320×520/520)

ITEM	LIST No	DESCRIPTION	Q'TY	REMARK
1	1AKR065205201	Frame (BEATME-906 320×520/520)	1	
2	1BKR065205200	Table (BEATME-906 320×520/520)	1	
3	1KKR065205201	Shelf board (BEATME 906 320×520/520)	1	
4	2AKR065205201	Table guide (BEATME 906 320×520/520)	1	
5	KK140170	Table support (L-350)	16	
6	KR140010	Table support (L-955)	1	
7	KR140040	Table support (L-420)	11	
8	KR140000	Table support (L-290)	2	
9	KR140020	Table support (L-930)	1	
10	KR140030	Table support (L-354)	1	
11		Hex. nut M10		
12		Wood screw M5.1×25		
13	KC110910	Reg frame side cover (R)	1	
14	KK140000	Alumi table support	1	
15	KK140061	Table stopper	4	
16	KK140020	Table stopper bracket	8	
17	KK140160	Table stopper lever	4	
18	MA140320	Center table support plate bracket	2	
19	KR140050	Table support plate	2	
20	A9012259	Knob bolt KT-B, L=10 (M8)	8	
21	A9012032	Knob bolt KT B, L=20 (M8)	2	
22		Wood screw M3.8×20		
23		Truss screw M4.5×24		
24		Hex. socket bolt M6×20		
25		Truss screw M6×8		

Barudan

① Table • Frame (BEATME-908 320×520/520)



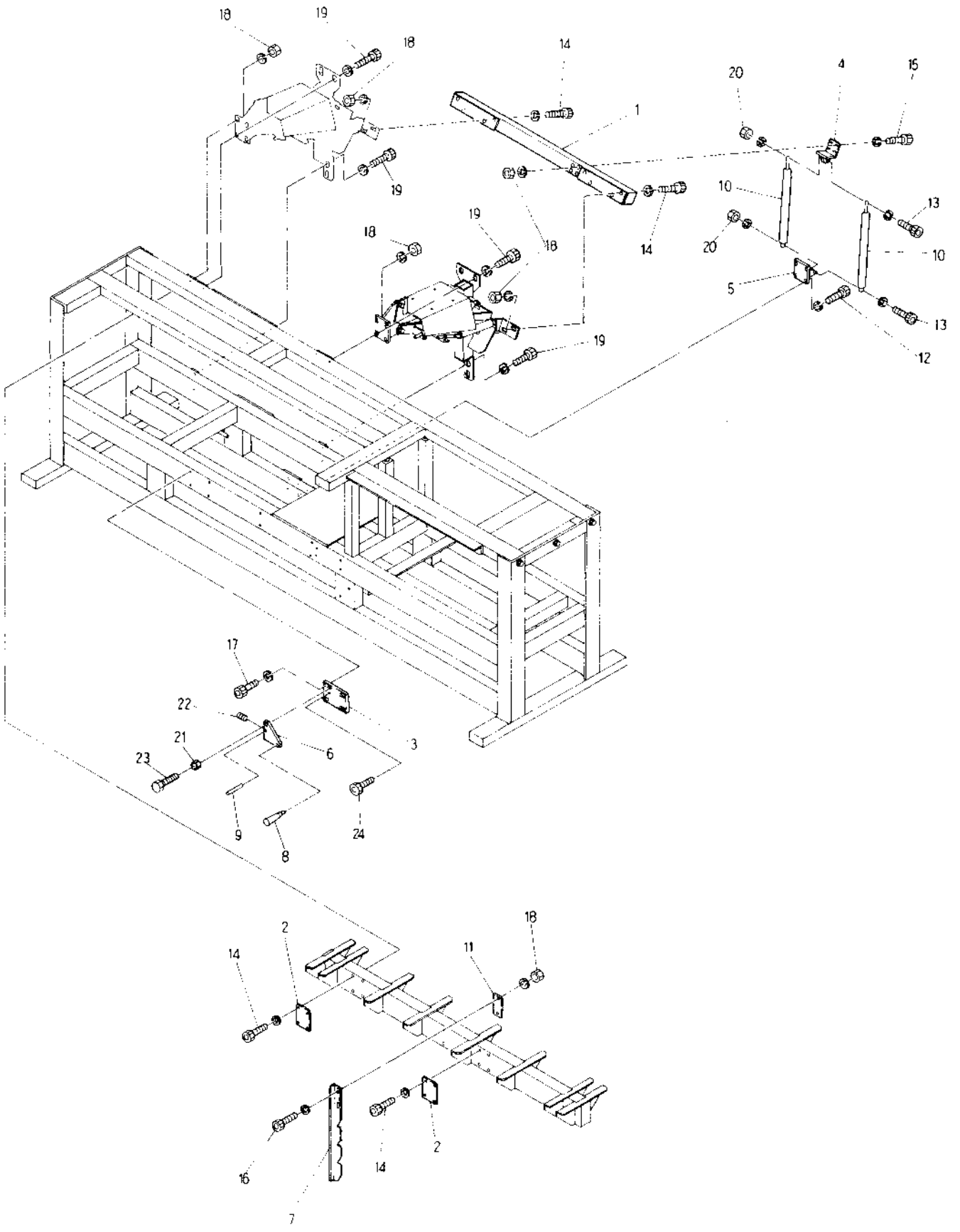
MODEL BEATME-908-ZN

① Table · Frame (BEATME-908 320×520/520)

ITEM	LIST No.	DESCRIPTION	QTY	REMARK
1	1AKR085205201	Frame (BEATME 908 320×520/520)	1	
2	1BKR085205200	Table (BEATME-908 320×520/520)	1	
3	1KKR085205201	Shelf board (BEATME 908 320×520/520)	1	
4	2AKR085205201	Table guide (BEATME-908 320×520/520)	1	
5	KK140170	Table support (L-350)	20	
6	KR140010	Table support (L-955)	1	
7	KR140040	Table support (L-420)	15	
8	KR140000	Table support (L-290)	2	
9	KR140020	Table support (L-930)	1	
10	KR140030	Table support (L-354)	1	
11		Hex. nut M10		
12		Wood screw M5.1×25		
13	KC110910	Reg frame side cover (R)	1	
14	KK140000	Alumi table support	1	
15	KK140061	Table stopper	6	
16	KK140020	Table stopper bracket	12	
17	KK140160	Table stopper lever	6	
18	MA140320	Center table support plate bracket	2	
19	KR140050	Table support plate	2	
20	A9012250	Knob bolt KT-B, L=10 (M8)	12	
21	A9012032	Knob bolt KT-B, L=20 (M8)	2	
22		Wood screw M3.8×20		
23		Truss screw M4.5×24		
24		Hex. socket bolt M6×20		
25		Truss screw M6×8		

Barudan

② Table lifter mechanism I  
(BEATME-902 320×520/520)



MODEL BEATME-902-ZN

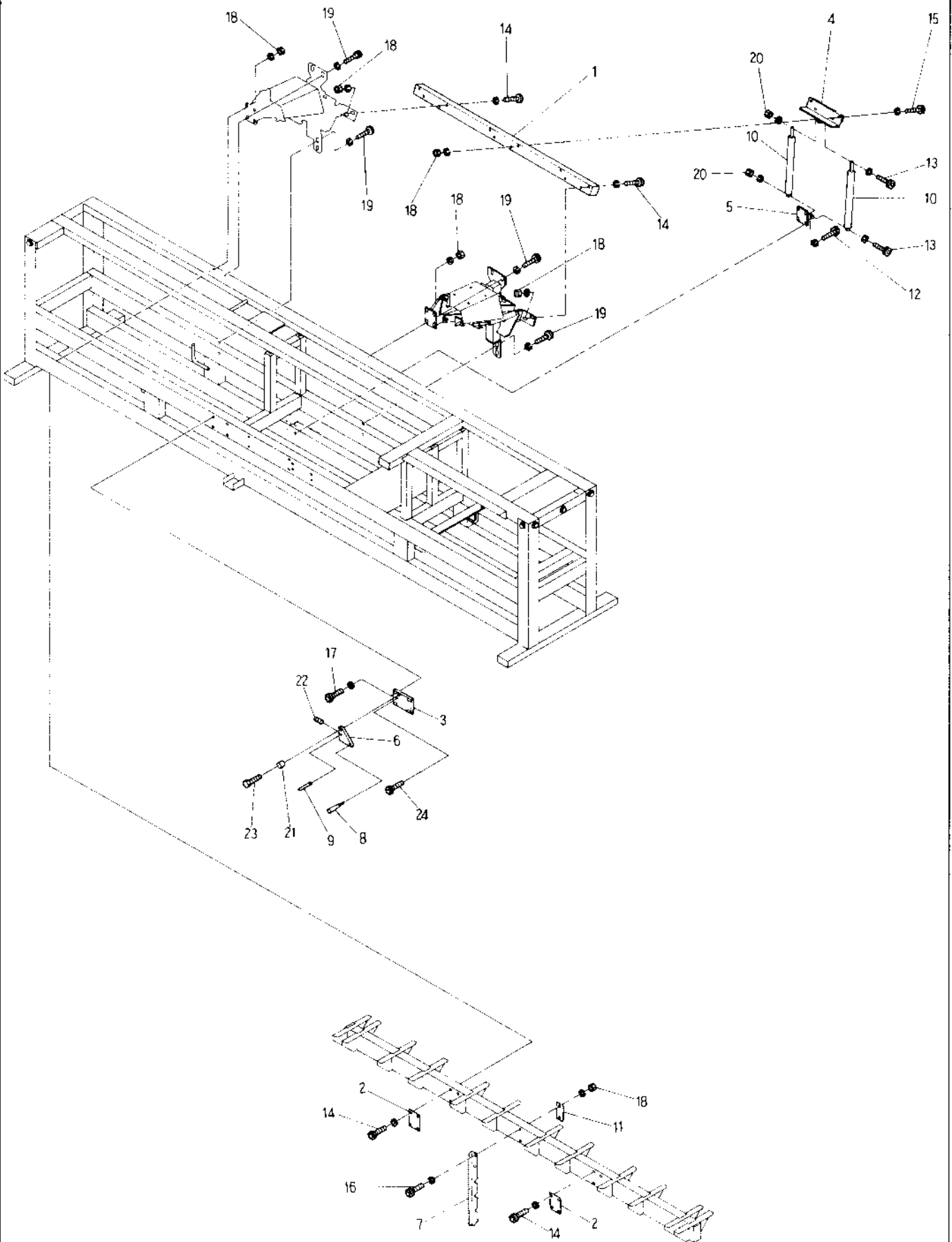
② Table lifter mechanism I (BEATME-902 320×520/520)

ITEM	LIST No.	DESCRIPTION	Q'TY	REMARK
1	2BKR025205201	Table guide (Rear)(BEATME 902 320×520/520)	1	
2	KK140050	Presser plate	2	
3	KK140111	Catch plate	1	
4	KR160030	Cylinder bracket (Upper) for 902	1	
5	KK140210	Cylinder bracket (Lower)	1	
6	KK140281	Lock plate	1	
7	KK140201	Catch lever	1	
8	A9012266	Taper rotation grip (NP-10)	1	
9	KK140291	Lock shaft	1	
10	KK140350	Cylinder damper	2	
11	KR140060	Presser plate	1	
12		Hex. socket bolt M6×20		
13		Hex. socket bolt M5×65		
14		Hex. socket bolt M8×70		
15		Hex. socket bolt M8×80		
16		Hex. socket bolt M8×75		
17		Hex. socket bolt M6×70		
18		Hex. nut M8		
19		Hex. socket bolt M10×25		
20		Hex. nut M5		
21	KK140370	Lock plate collar	1	
22		Hex. socket set screw M6×6		
23		Hex. bolt M10×20		
24		Hex. socket bolt M6×18		

Barudan

② Table lifter mechanism I

(BEATME-904 320×520/520)



MODEL BEATME-904-ZN  
902  
904  
906  
908

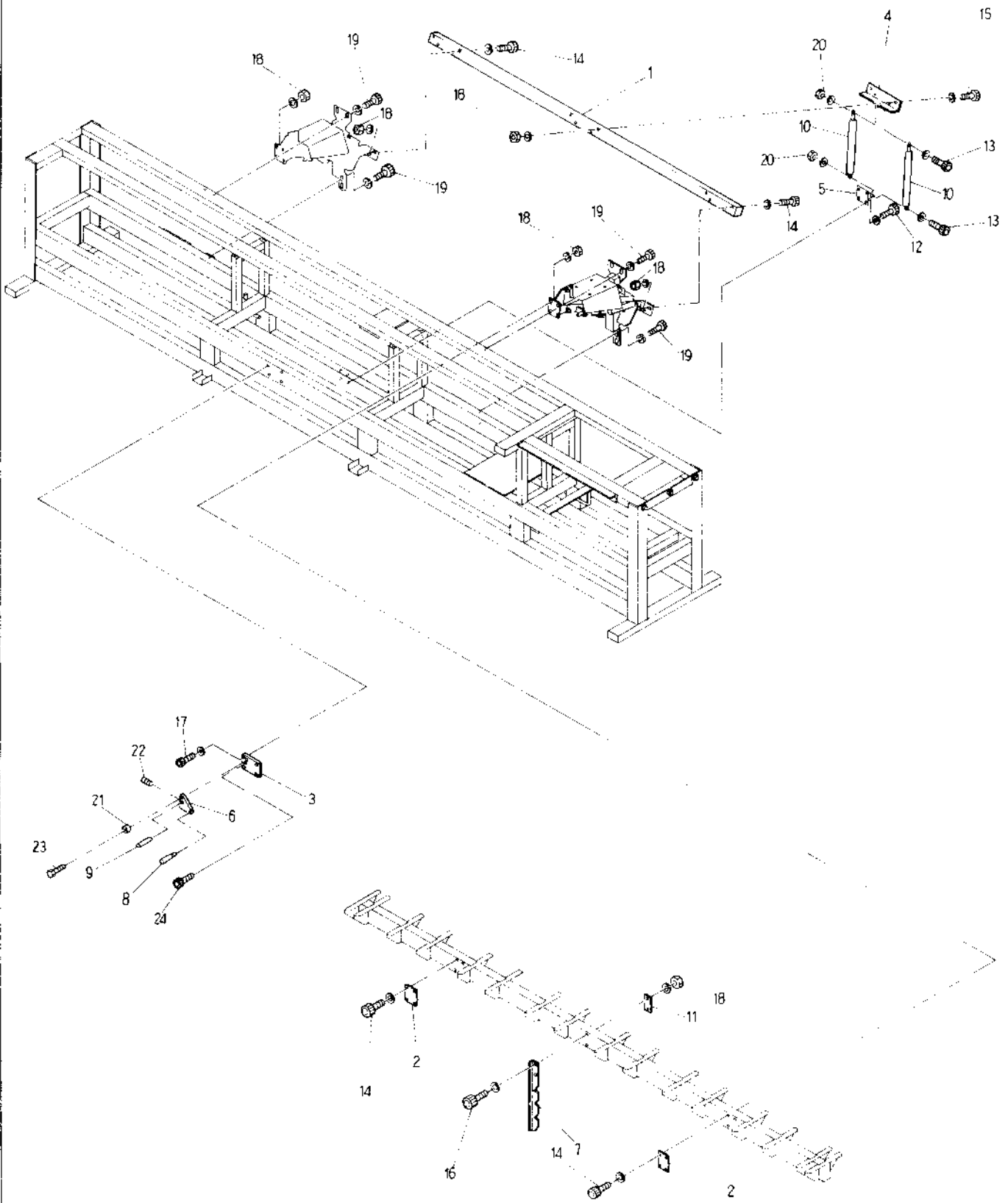
② Table lifter mechanism I (BEATME-904 320×520/520)

ITEM	LIST No	DESCRIPTION	Q'TY	REMARK
1	2BKR045205200	Table guide (Rear)(BEATME-904 320×520/520)	1	
2	KK140050	Presser plate	2	
3	KK140111	Catch plate	1	
4	KK140220	Cylinder bracket (Upper)	1	
5	KK140210	Cylinder bracket (Lower)	1	
6	KK140281	Lock plate	1	
7	KK140201	Catch lever	1	
8	A9012266	Taper rotation grip (NP-10)	1	
9	KK140291	Lock shaft	1	
10	KK140350	Cylinder damper	2	
11	KR140060	Presser plate	1	
12		Hex. socket bolt M6×20		
13		Hex. socket bolt M5×65		
14		Hex. socket bolt M8×70		
15		Hex. socket bolt M8×80		
16		Hex. socket bolt M8×75		
17		Hex. socket bolt M6×70		
18		Hex. nut M8		
19		Hex. socket bolt M10×25		
20		Hex. nut M5		
21	KK140370	Lock plate collar	1	
22		Hex. socket set screw M6×6		
23		Hex. bolt M10×20		
24		Hex. socket bolt M6×18		

Barudan

② Table lifter mechanism I

(BEATME-906 320×520/520)

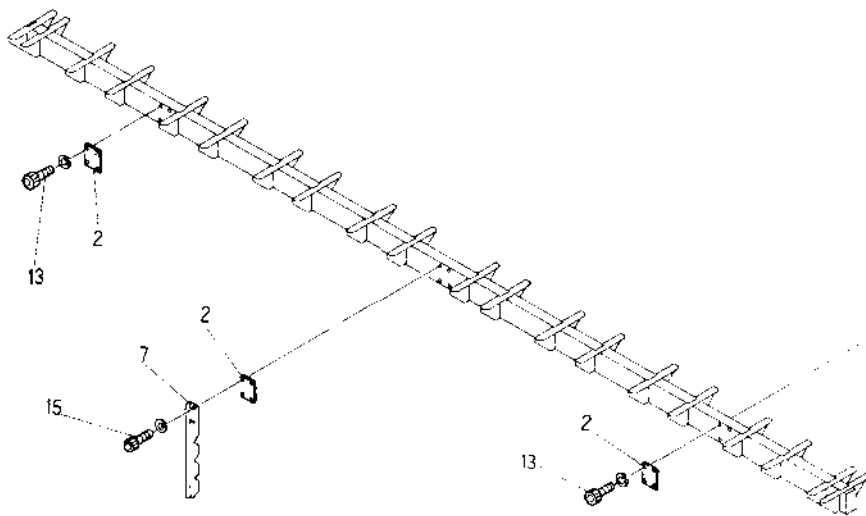
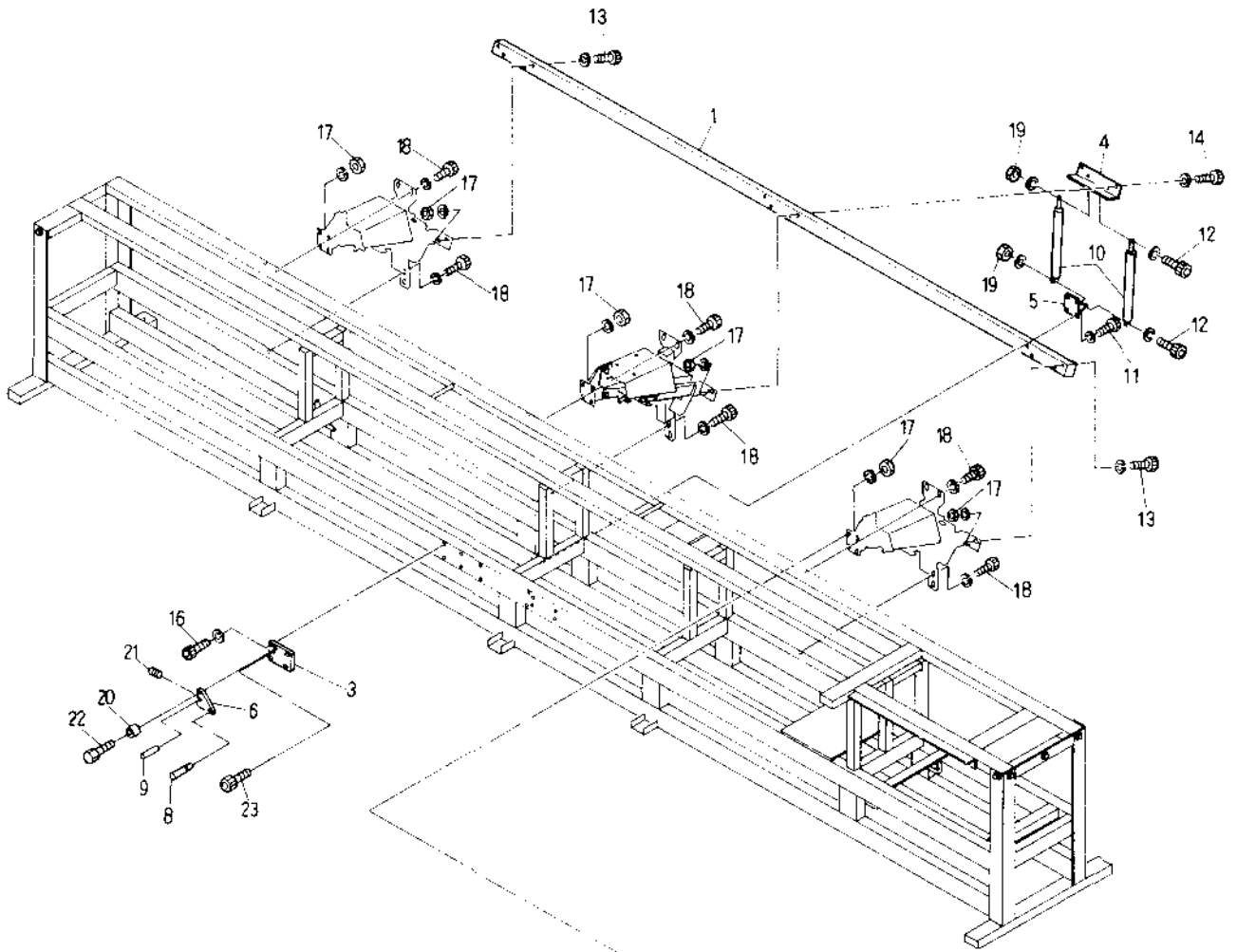


MODEL BEATME-906-ZN  
902  
904  
906  
908

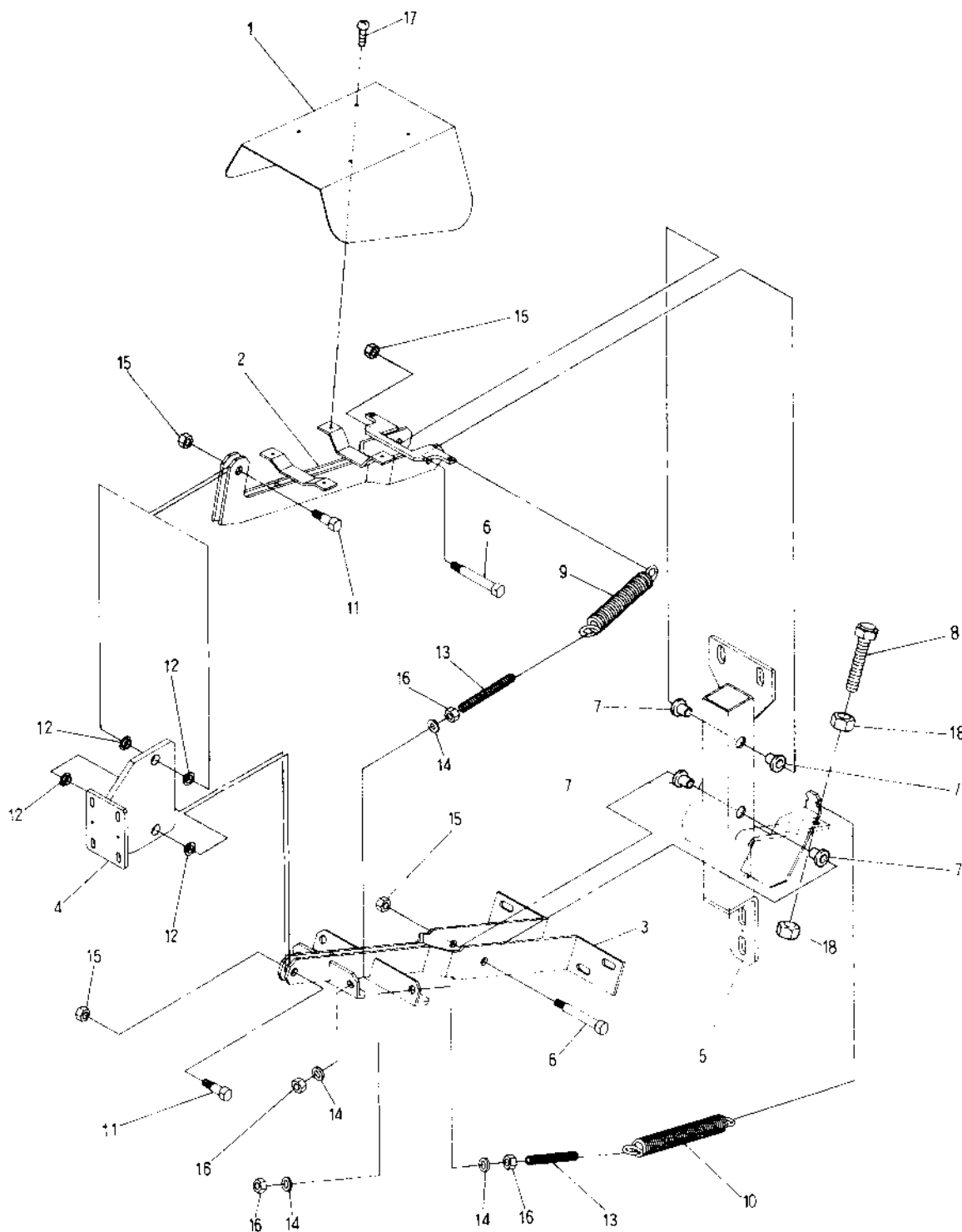


② Table lifter mechanism I (BEATME-906 320×520/520)

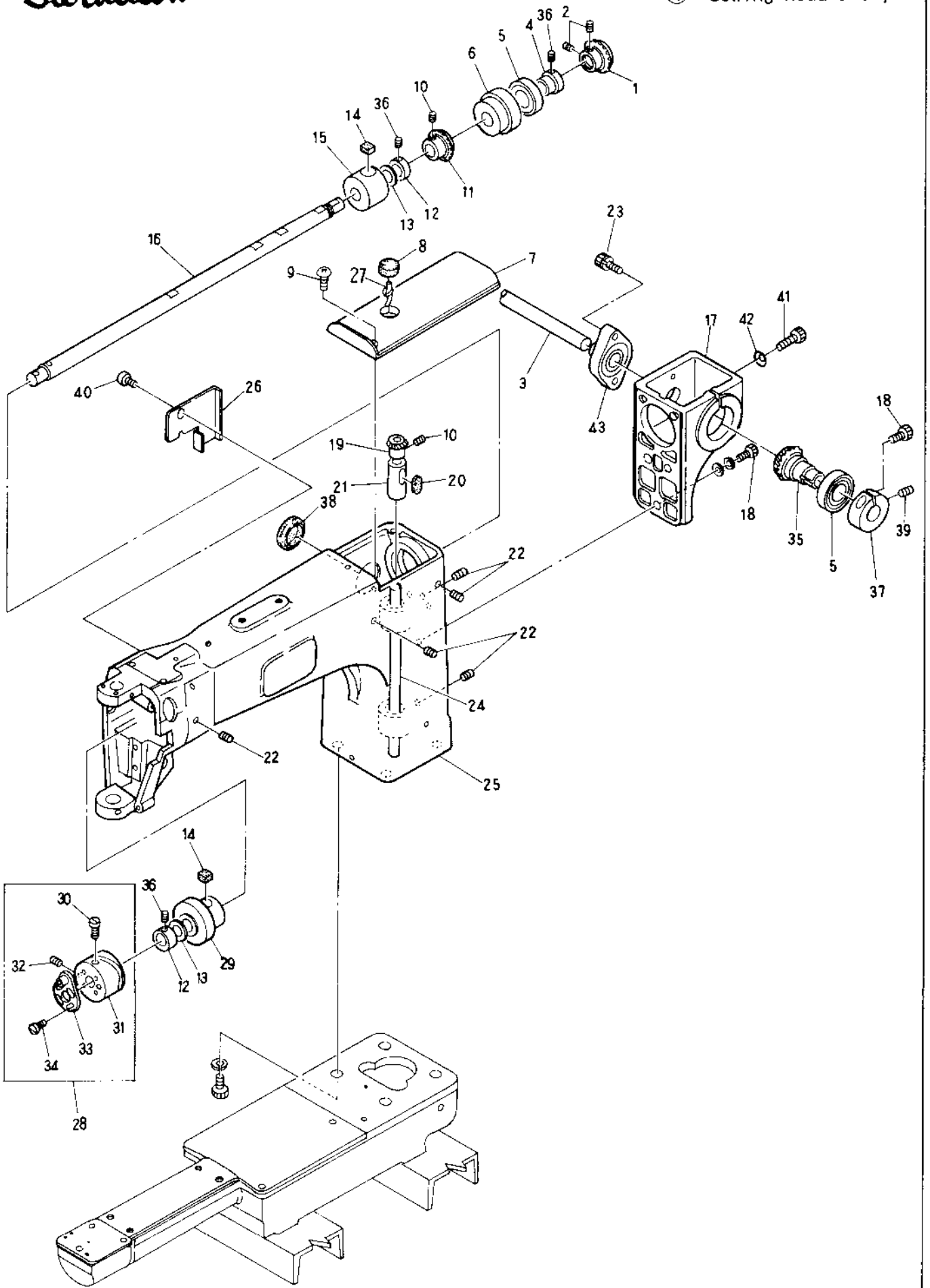
ITEM	LIST No	DESCRIPTION	QTY	REMARK
1	2BKRO65205200	Table guide (Rear)(BEATME-906 320×520/520)	1	
2	KK140050	Presser plate	2	
3	KK140111	Catch plate	1	
4	KK140220	Cylinder bracket (Upper)	1	
5	KK140210	Cylinder bracket (Lower)	1	
6	KK140281	Lock plate	1	
7	KK140201	Catch lever	1	
8	A9012266	Taper rotation grip (NP-10)	1	
9	KK140291	Lock shaft	1	
10	KK140350	Cylinder damper	2	
11	KR140060	Presser plate	1	
12		Hex. socket bolt M6×20		
13		Hex. socket bolt M5×65		
14		Hex. socket bolt M8×70		
15		Hex. socket bolt M8×80		
16		Hex. socket bolt M8×75		
17		Hex. socket bolt M6×70		
18		Hex. nut M8		
19		Hex. socket bolt M10×25		
20		Hex. nut M5		
21	KK140370	Lock plate collar	1	
22		Hex. socket set screw M6×6		
23		Hex. bolt M10×20		
24		Hex. socket bolt M6×18		









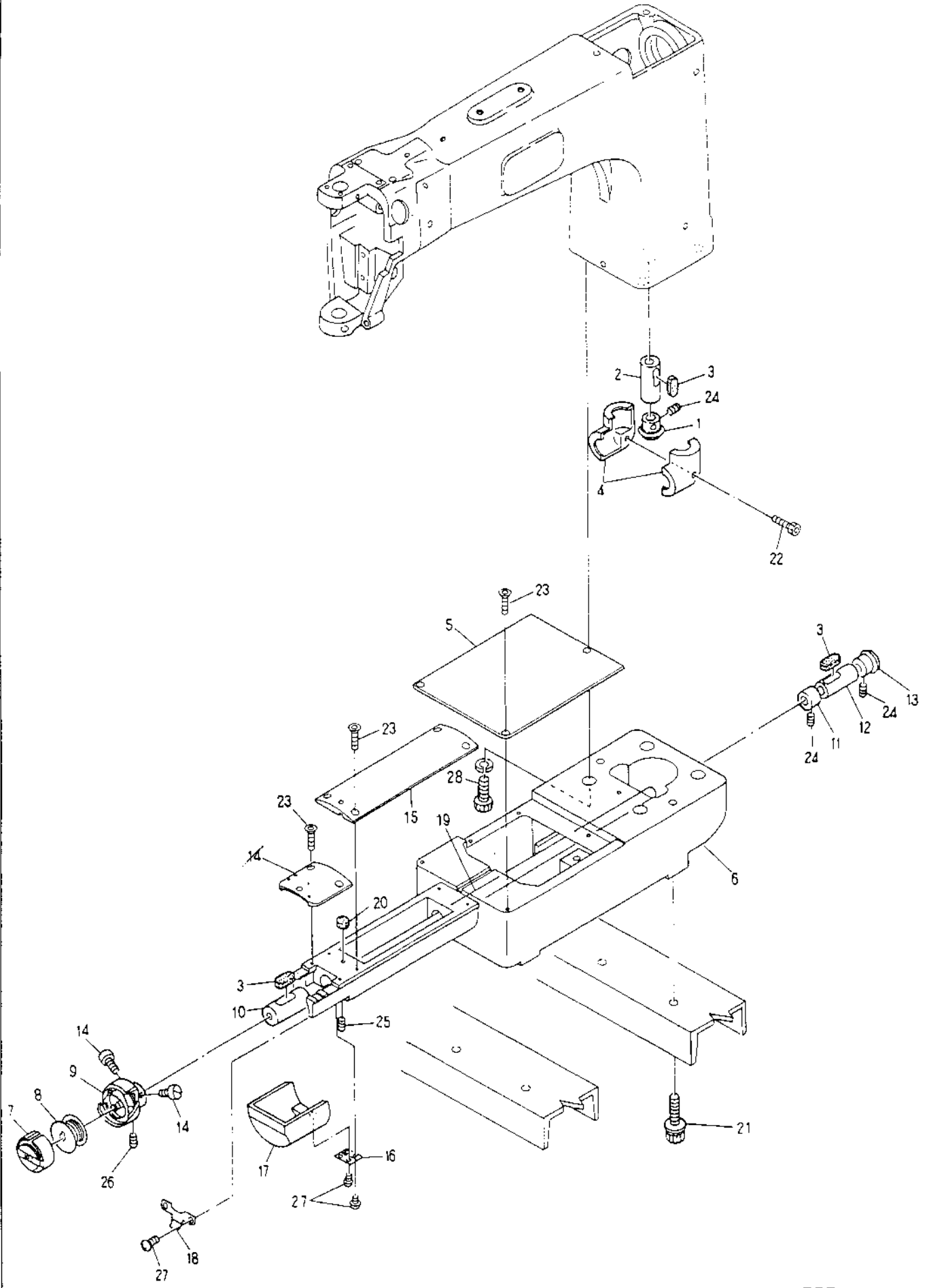


MODEL BEATME 8022 8042 8064 8088 -ZN

## ④ Sewing head assembly

(H=Head Q'TY)

ITEM	LIST No	DESCRIPTION	Q'TY	REMARK
1	KL220100	Top shaft (Spiral bevel M1.5-25R)	H×1	
2		Hex. socket set screw M6×6(With adhesion)	H×2	
3		Top shaft connecting shaft φ15		
4	KL220090	Top shaft bearing collar (Rear)	H×1	
5	A9010017	Bearing (6004ZZ)	H×2	
6	KL220040	Top shaft bearing case (Rear)	H×1	
7	KL250040	Arm top cover	H×1	
8	KL220150	Oil felt D	H×1	
9		Truss screw M4×10		
10		Screw (SM1/4 40×4)		
11	KF220130	Bevel gear (Top shaft)	H×1	
12	KL220080	Top shaft collar	H×2	
13	HP231390	Thrust washer (Top shaft gear)	H×2	
14	KL220130	Oil felt B	H×2	
15	KL220030	Top shaft metal (Middle)	H×1	
16	KL220000	Top shaft	H×1	
17	KL210140	Arm gear case	H×1	
18		Hex. socket bolt M6×25		
19	KF220460	Bevel gear (Vertical shaft upper)	H×1	
20	KL220140	Oil felt C	H×1	
21	KL220050	Vertical metal (Upper)	H×1	
22		Hex. socket set screw M6×8		
23		Hex. socket bolt M6×30 (With spring washer)		
24	KL220010	Vertical shaft	H×1	
25	KX210010	Arm	H×1	
26	KL250051	Arm side cable cover	H×1	
27	KC251330	Oil core L-75	H×1	
28	KB230010	Take up lever cam K6 90° with crank	H×1	
29	KL220020	Top shaft metal (Front)	H×1	
30	KF230420	Take up lever cam set screw	H×1	
31	KB230030	Take up lever cam K9	H×1	
32		Screw (SM15/64 28×10) (With adhesion)	H×1	
33	KB230050	90° Crank	H×1	
34	A9012007	Screw (SM11/64 40×10)	H×1	
35	KL320000	Connecting gear (Spiral bevel M1.5-25L)	H×1	
36		Hex. socket set screw M6×6		
37	KL320020	Connecting gear clamp φ19	H×1	
38	A9014063	Grommet C-30 SG 36A	H×1	
39		Hex. socket set screw M6×10		
40		Truss screw M4×8		
41		Hex. socket bolt M6×60		
42		Disc spring M6		
43	HP321140	Top shaft connecting unit	H×1	

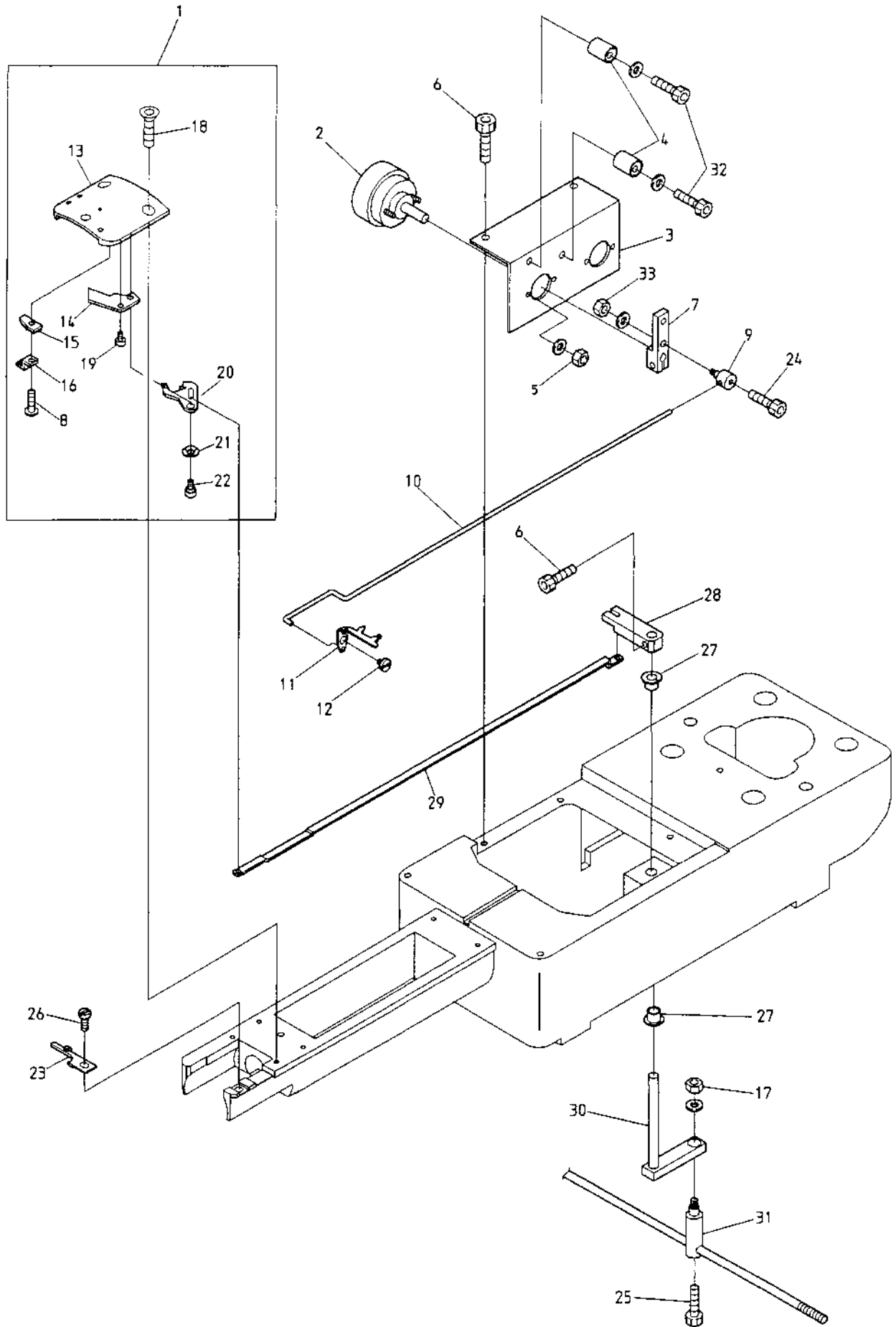


MODEL **BEATME** 902  
904  
906  
908 **-ZN**





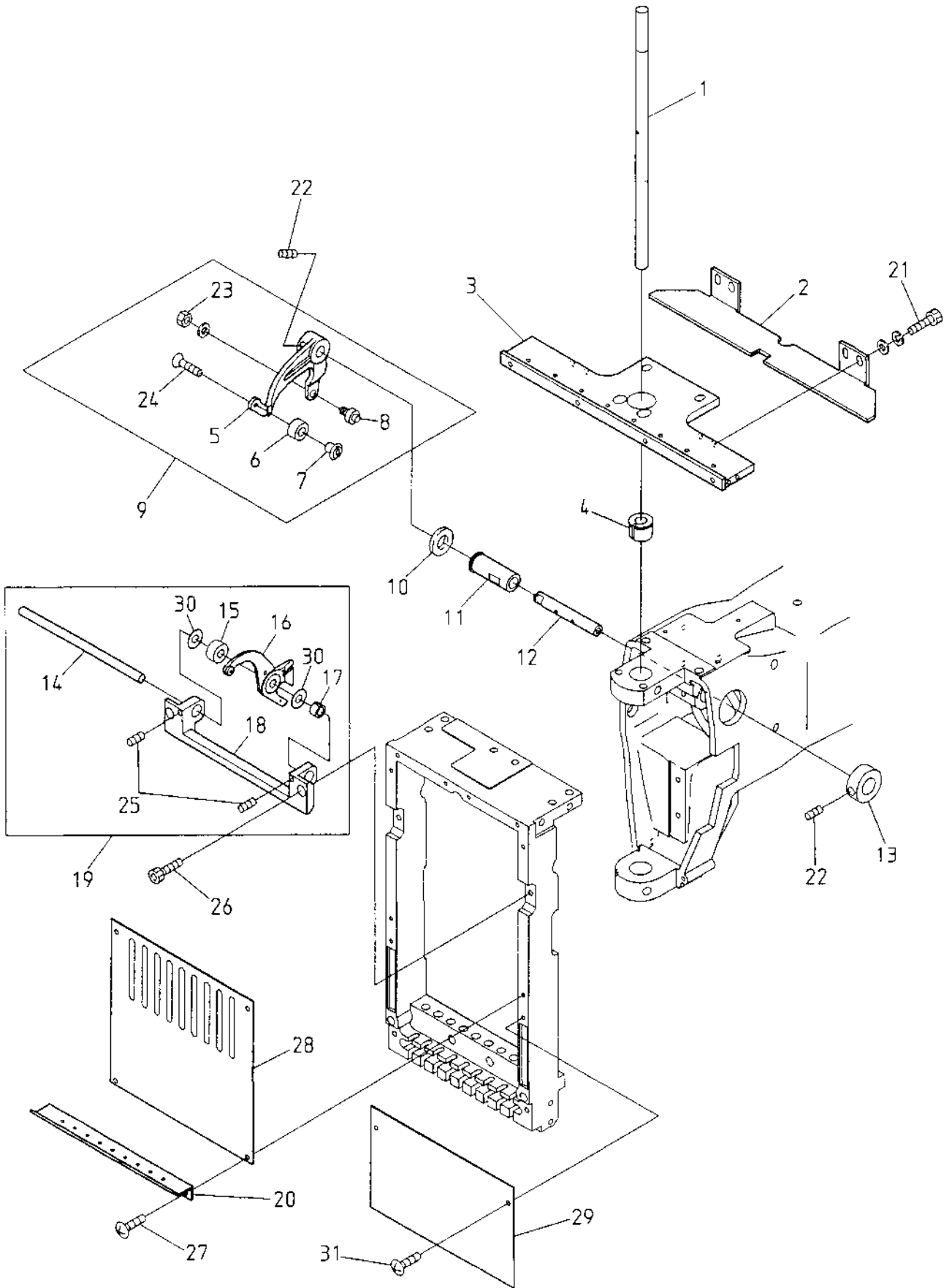
⑥ Automatic thread cutting mechanism I  
(Thread cutting section)



MODEL BEATME 9002 9004 9006 9008 -ZN

⑥ Automatic thread cutting mechanism I (Thread cutting section) (H=Head Q'TY)

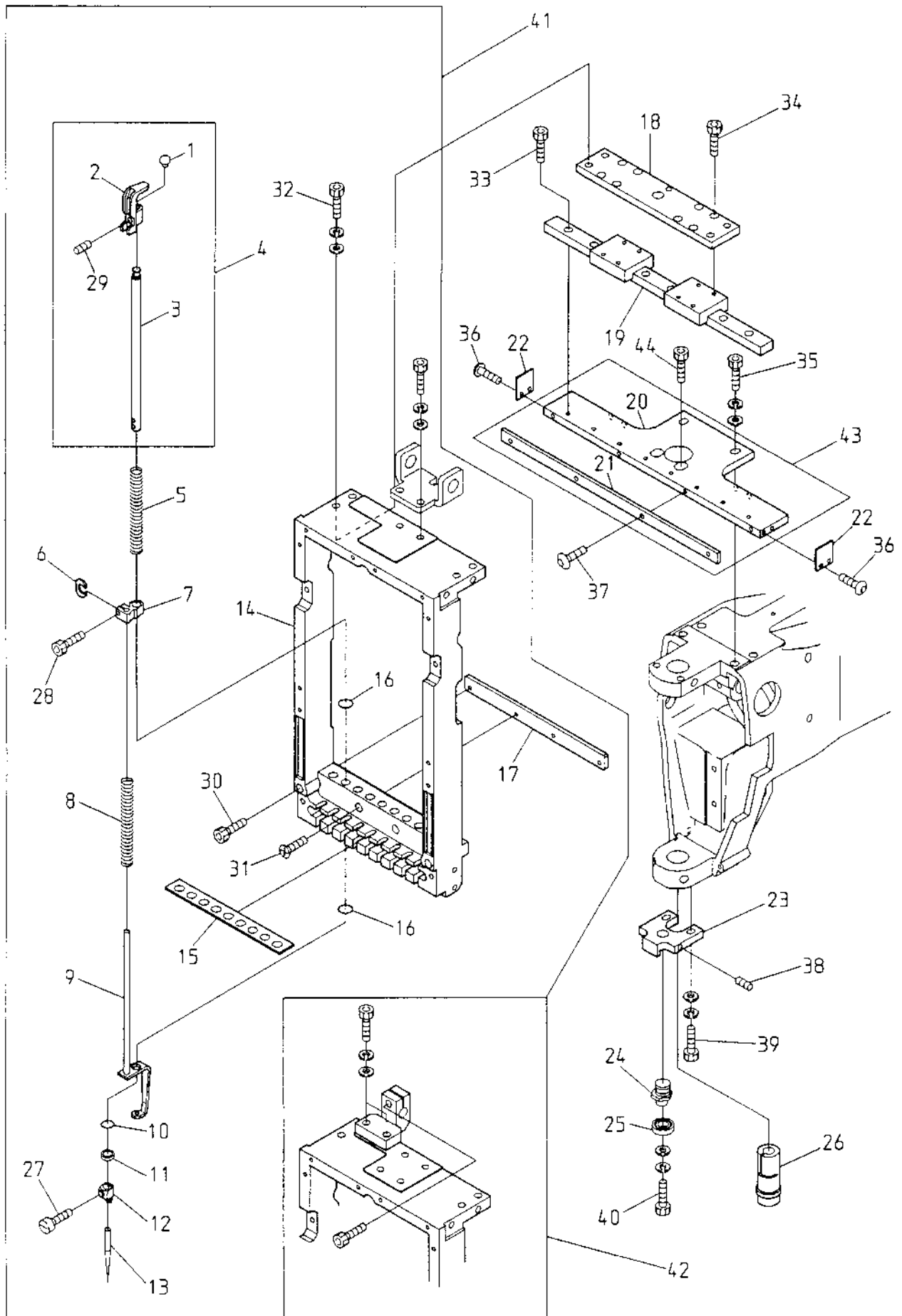
ITEM	LIST No.	DESCRIPTION	Q'TY	REMARK
1	KX270280	Needle plate MARK5 multi cylinder assy	H×1	
2	A9056008	Rotary solenoid (3ER25 33×3×8×9)	H×1	
3	KC271960	Solenoid stay	H×1	
4	KN272400	Stopper eccentric	H×2	
5		Hex. nut M3 (with spring washer)		
6		Hex. socket bolt M4×8		
7	KC271940	Solenoid lever A	H×1	
8		Pan screw M3×3		
9	KC271041	Connecting clamp	H×1	
10	KC271031	Hook driving rod	H×1	
11	KC271021	Hook	H×1	
12	KC271001	Needle knife turret shaft	H×1	
13	KX270020	Needle plate (MARK-5) multi cylinder	H×1	
14	KN270961	Fixing knife	H×1	
15	HT270160	Lower thread support stay (Upper) CMP	H×1	
16	HT270180	Lower thread support stay (Lower) CMP	H×1	
17		Hex. nut M4		
18	KX250080	Needle plate set screw	H×2	
19	KX270010	Fixed knife set screw	H×1	
20	KN270952	Driving knife	H×1	
21	A9013066	Wave washer (WW5)(SK)	H×1	
22	KC270970	Lower thread knife turret shaft	H×1	
23	KX270000	Rotating hook bobbin case holder position bracket	H×1	
24		Hex. socket bolt M3×5		
25		Hex. socket bolt M4×8		
26	A9012007	Screw (SM11/64 mount 40×10)	H×1	
27	A9012114	Bush with flange DU (MB0505-10FDU)	H×2	
28	KC271120	Lower thread knife driving lever (Upper)	H×1	
29	KX270030	Lower thread knife driving rod	H×1	
30	KC271130	Lower thread knife driving lever (Lower)	H×1	
31	KF230640	Lock connecting bar clamp	H×1	
32		Hex. socket bolt M4×18		
33		Hex. nut M3 (with plain washer)		



⑦ Take up lever mechanism

(H=Head 0 TY)

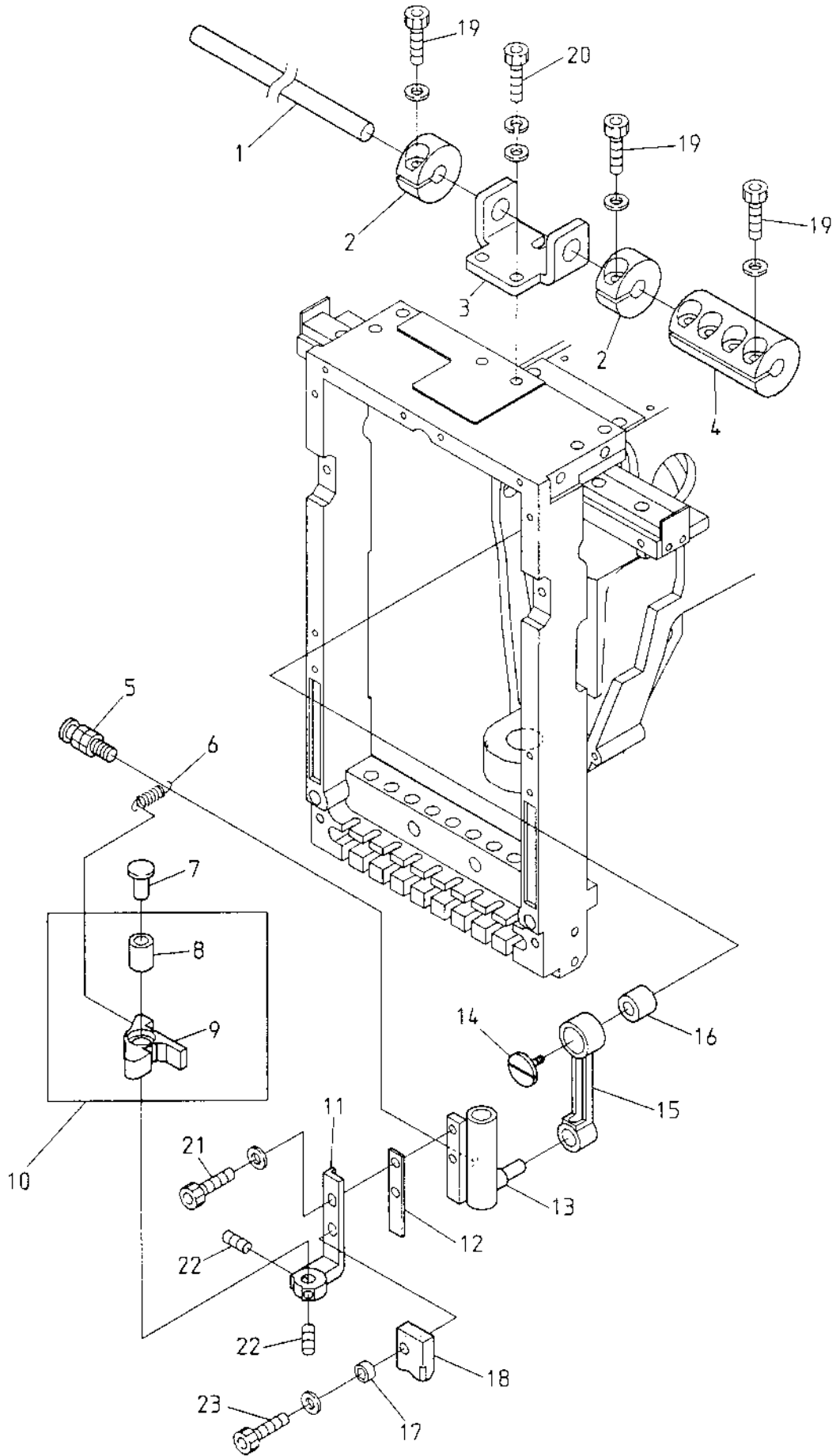
ITEM	LIST No.	DESCRIPTION	QTY	REMARK
1	KX230090	Driving shaft	H×1	
2	KX230160	Stocker	H×1	
3	KX230270	Base plate a'ssy	H×1	
4	KX230070	Driving shaft bush (Upper)	H×1	
5	KT230031	Take up lever driving lever	H×1	
6	HT230090	Take up lever driving roller	H×1	
7	HT230100	Take up lever driving roller shaft	H×1	
8	KF230500	Take up lever driving roller a'ssy	H×1	
9	KT230051	Take up lever driving lever a'ssy	H×1	
10	A9012164	Washer (R TW0815)	H×1	
11	KB230100	Take up lever driving shaft metal	H×1	
12	KB230110	Take up lever driving shaft	H×1	
13	HB230270	Needle bar driving lever fixing pin set collar	H×1	
14	KX230130	Take up lever shaft	H×1	
15	KX230140	Take up lever spacer	H×8	
16	KX230150	Take up lever	H×9	
17	KX230120	Take up lever collar	H×1	
18	KX230110	Take up lever bracket	H×1	
19	KX230200	Take up lever a'ssy	H×1	
20	KX240020	Thread hanger	H×1	
21		Hex. socket bolt M4×10 (With washers)		
22		Hex. socket set screw M5×6 (With adhesion)		
23		Hex. nut SM7/32 (With spring washer)		
24	HB230650	Flush screw (With adhesion)	H×1	
25		Hex. socket set screw M4×8		
26		Hex. socket bolt M4×8		
27		Truss screw M3×8		
28	KX250020	Front cover (Upper)	H×1	
29	KX250030	Front cover (Lower)	H×1	
30	KX230310	Take up lever shim (t 0.3)	H×2	
31		Truss screw M3×5		



### ⑧ Needle bar mechanism I

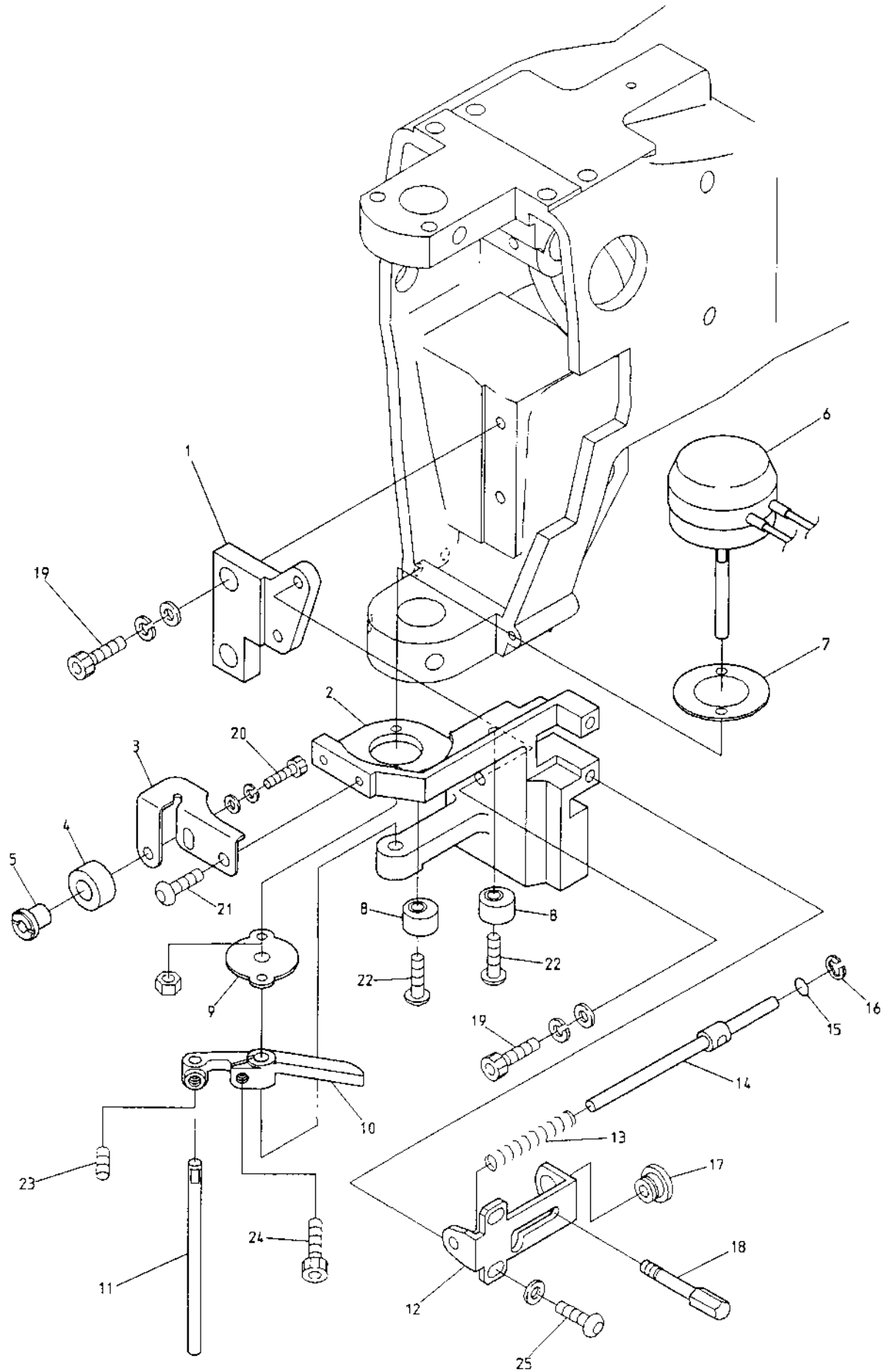
(H=Head Q'TY)

ITEM	LIST No.	DESCRIPTION	Q'TY	REMARK
1	HT230130	Needle bar cap	H×9	
2	HT230151	Needle bar guide	H×9	
3	HT230041	Needle bar	H×9	
4	HT230810	Needle bar a'ssy	H×9	
5	HT230251	Needle bar spring	H×9	
6	HT230263	Washer for set clamp	H×9	
7	HT230051	Cloth winder stop latch set screw	H×9	
8	KX230250	Needle bar spring (Lower)	H×9	
9	HT230143	Pressure foot	H×9	
10	KF230910	O Ring (Small)	H×9	
11	HT230120	Washer 2.4	H×9	
12	HT230670	Needle clamp (With hook)	H×9	
13	KF230250	Needle (DBK5-11)	H×9	
14	KX230000	Slide block	H×1	
15	KX230180	Needle bar felt	H×1	
16	KF230920	O-Ring (Large)	H×18	
17	KX230040	Bearing plate	H×1	
18	KX230010	LM base	H×1	
19	KX230060	LM guide	H×1	
20	KX230020	Base plate	H×1	
21	KX230220	LM rail plate	H×1	
22	KX230190	LM stopper	H×2	
23	KX230030	Bearing guide	H×1	
24	KX230050	Bearing pin	H×1	
25	A9010065	Ball bearing 686ZZ	H×1	
26	KX230080	Driving shaft bush (Lower)	H×1	
27	KF230240	Needle clamp screw (SM9/64 mount 40)	H×9	
28		Hex. socket bolt M3×8		
29		Hex. socket set screw M4×4		
30		Hex. socket bolt M3×25		
31		Hex. socket flush screw M3×25		
32		Hex. socket bolt M5×16 (With washers)		
33		Hex. socket bolt M3×8		
34		Hex. socket bolt M3×6		
35		Hex. socket bolt M5×20 (With washers)		
36		Hex. socket button bolt M3×6		
37		Hex. socket button bolt M3×8		
38		Hex. socket set screw M1×12		
39		Hex. socket bolt M4×15 (With washers)		
40		Hex. socket bolt M4×6 (With washers)		
41	KX230260	Slide block a'ssy		(H 1) × 1
42	KX230300	Slide block a'ssy (color change)	1	
43	KX230270	Base plate a'ssy	H×1	
44		Hex. socket bolt M4×10		

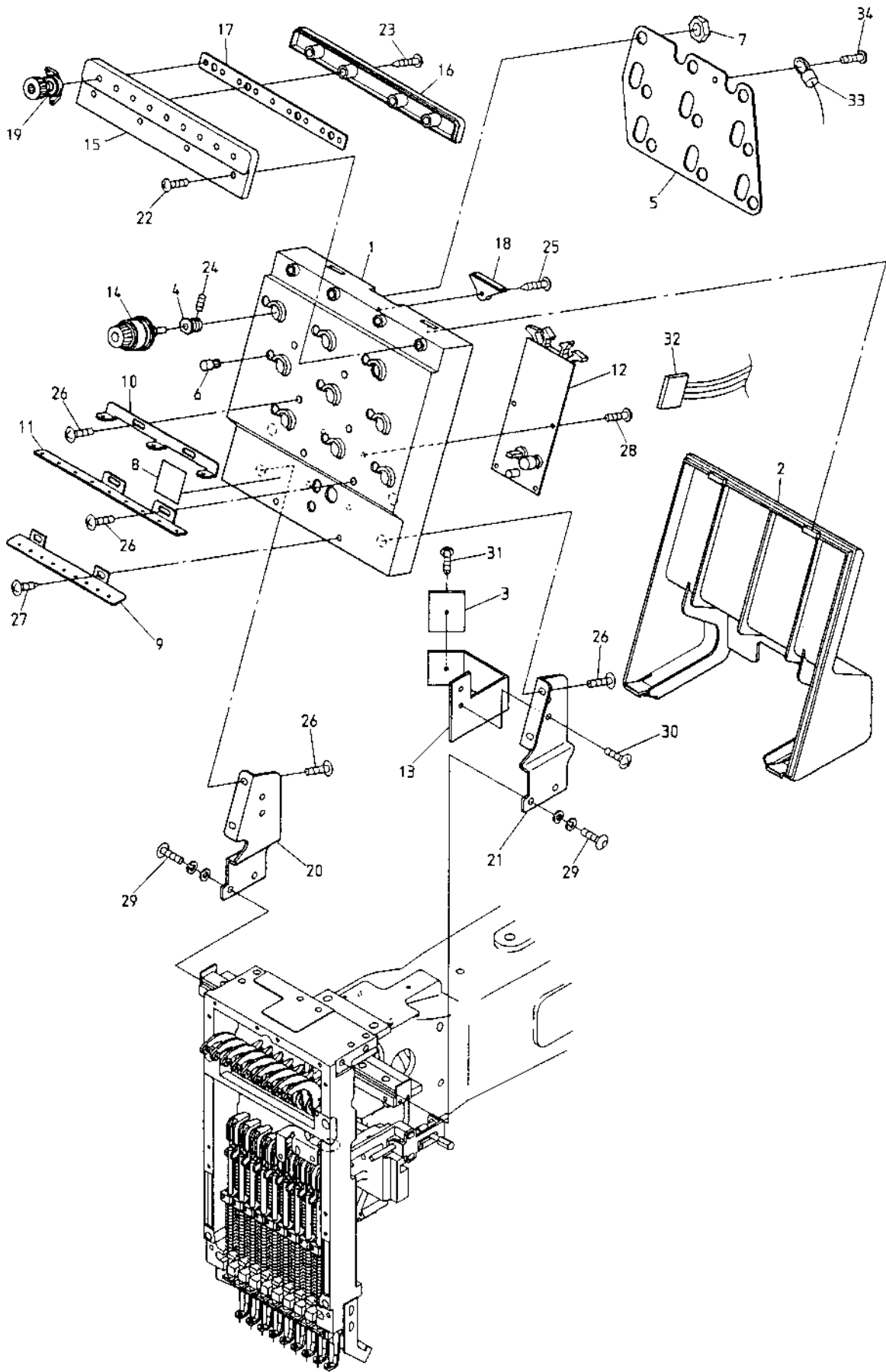












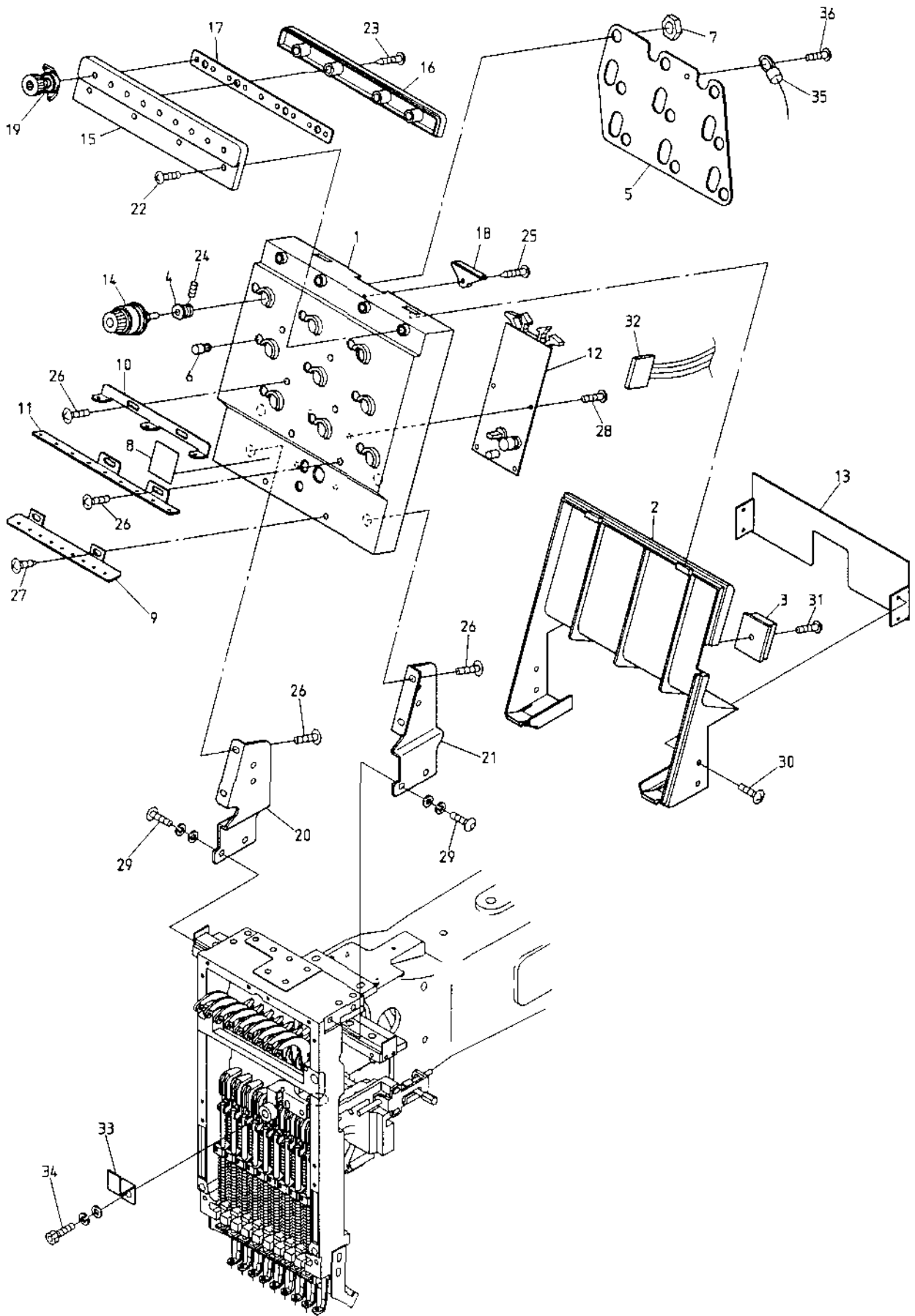
## ⑪ Thread guide mechanism

(H=Head Q'TY)

ITEM	LIST No	DESCRIPTION	Q'TY	REMARK
1	HT240120	Tension base case	H×1	
2	HT240130	Tension base cover	H×1	
3	A9068032	FCW clamp FCW 26	H×1	
4	HT240150	Base	H×9	
5	HT240160	Tension earth plate	H×1	
6	HT240170	Upper thread detection pin	H×9	
7	HT240180	SM-Nut	H×9	
8		No. label	H×1	
9	KX240030	Second thread guide plate	H×1	
10	HT240062	First thread guide (YN)	H×1	
11	HT240391	Thread guide plate (YN)	H×1	
12	EBN02191	2001-118 Head SW board (ZN)	H×1	
13	KX240060	Cord holder	H×1	
14	HT240523	Tension unit complete	H×9	
15	HT240211	Upper thread guide fixing case	H×1	
16	HT240220	Upper thread guide fixing cover	H×1	
17	HT240230	Upper thread guide fixing base	H×1	
18	HT240240	Blind cap	H×1	
19	HT240331	Thread guide for upper tension	H×9	
20	KX240010	Tension base bracket (L)	H×1	
21	KX240000	Tension base bracket (R)	H×1	
22		Pan screw M3×6		
23		Tapping screw M3×12		
24		Hex. socket set screw M4×12		
25		Tapping screw M3×12		
26		Truss screw M4×10		
27		Tapping truss screw M4×10		
28		Pan head tapping screw M3×8		
29		Hex. socket button bolt M5×12 (With washers)		
30		Truss screw M4×6		
31		Pan screw M3×5		
32	EBY01624	H1840 16 lead flat cable		(H-1)×1
33	KX240150	Tension earth cable (ZN)		(H-1)×1
34		Pan screw M3×6		

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⑫ Thread guide mechanism(Head with color chage mechanism)



MODEL BEATME-2N

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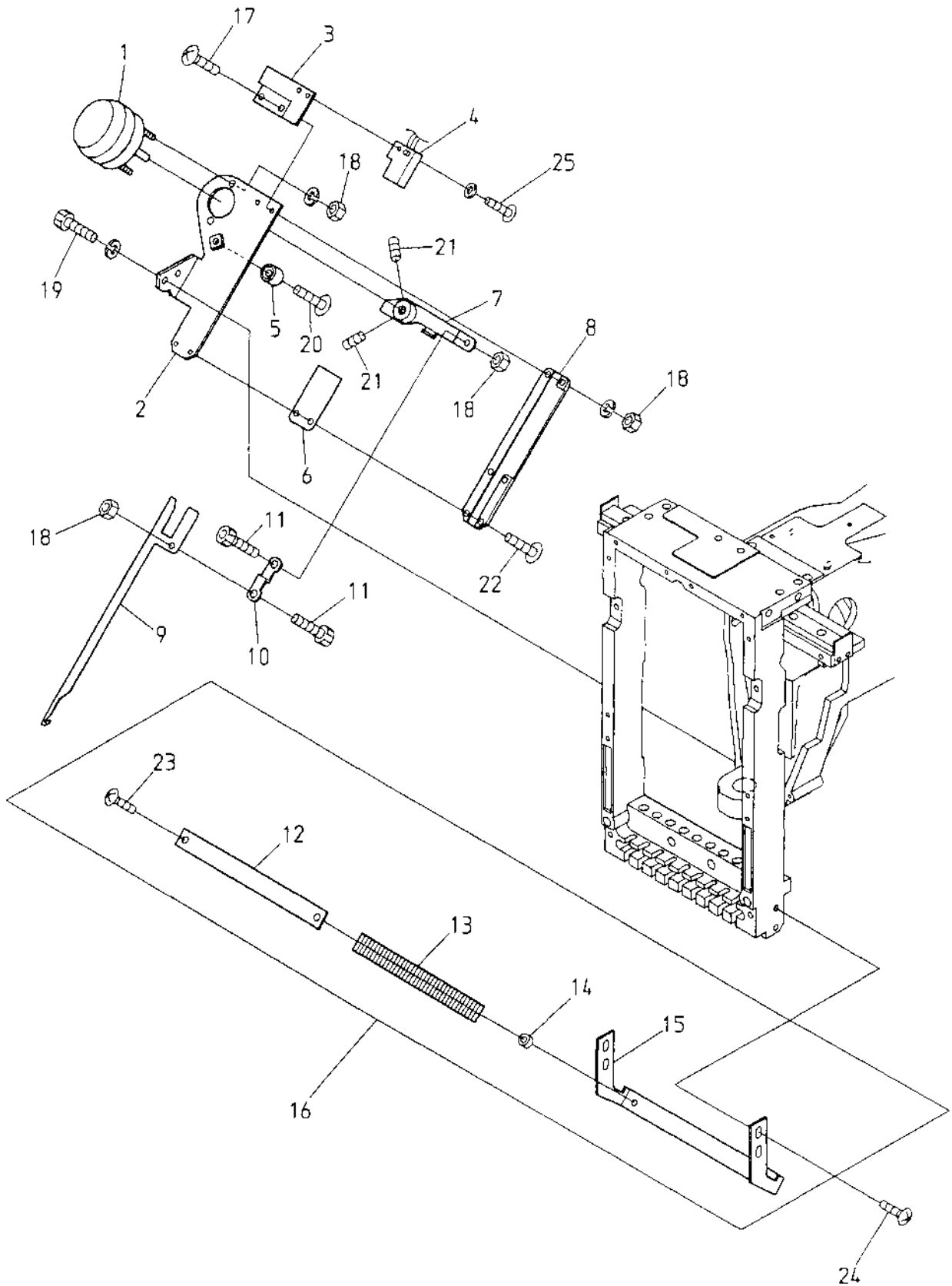
⑫ Thread guide mechanism (Head with color change mechanism)

(H=Head Q'TY)

ITEM	LIST No.	DESCRIPTION	Q'TY	REMARK
1	HT240120	Tension base case	H×1	
2	KX330320	Tension base cover	1	
3	A9068032	FCW clamp FCW-26	H×1	
4	HT240150	Base	H×9	
5	HT240160	Tension earth plate	H×1	
6	HT240170	Upper thread detection pin	H×9	
7	HT240180	SM Nut	H×9	
8		No. label	H×1	
9	KX240030	<del>Second</del> thread guide plate	H×1	
10	HT240062	First thread guide (YN)	H×2	
11	HT240391	<del>Thread guide plate (YN)</del>	H×1	
12	EBN02191	2001-118 Head SW board (ZN)	H×1	
13	KX330330	Tension base cover A	1	
14	HT240523	Tension unit complete	H×9	
15	HT240211	Upper thread guide fixing case	H×1	
16	HT240220	Upper thread guide fixing cover	H×1	
17	HT240230	Upper thread guide fixing base	H×1	
18	HT240240	Blind cap	H×1	
19	HT240331	Thread guide for upper tension	H×9	
20	KX240010	Tension base bracket (L)	H×1	
21	KX240000	Tension base bracket (R)	H×1	
22		Pan screw M3×6		
23		Tapping screw M3×12		
24		Hex. socket set screw M4×12		
25		Tapping screw M3×12		
26		Truss screw M4×10		
27		Tapping truss screw M4×10		
28		Pan head tapping screw M3×8		
29		Hex. socket button bolt M5×12 (With washers)		
30		Truss screw M3×8		
31		Pan head tapping screw M3×5		
32	EBY01625	H1842 1 head exclusive use 16 lead flat cable	1	
33	KX250110	Needle bar indication	1	
34		Hex. socket bolt M4×6 (With washers)		
35	KX240150	Tension earth cable (ZN)	1	
36		Pan screw M3×6		

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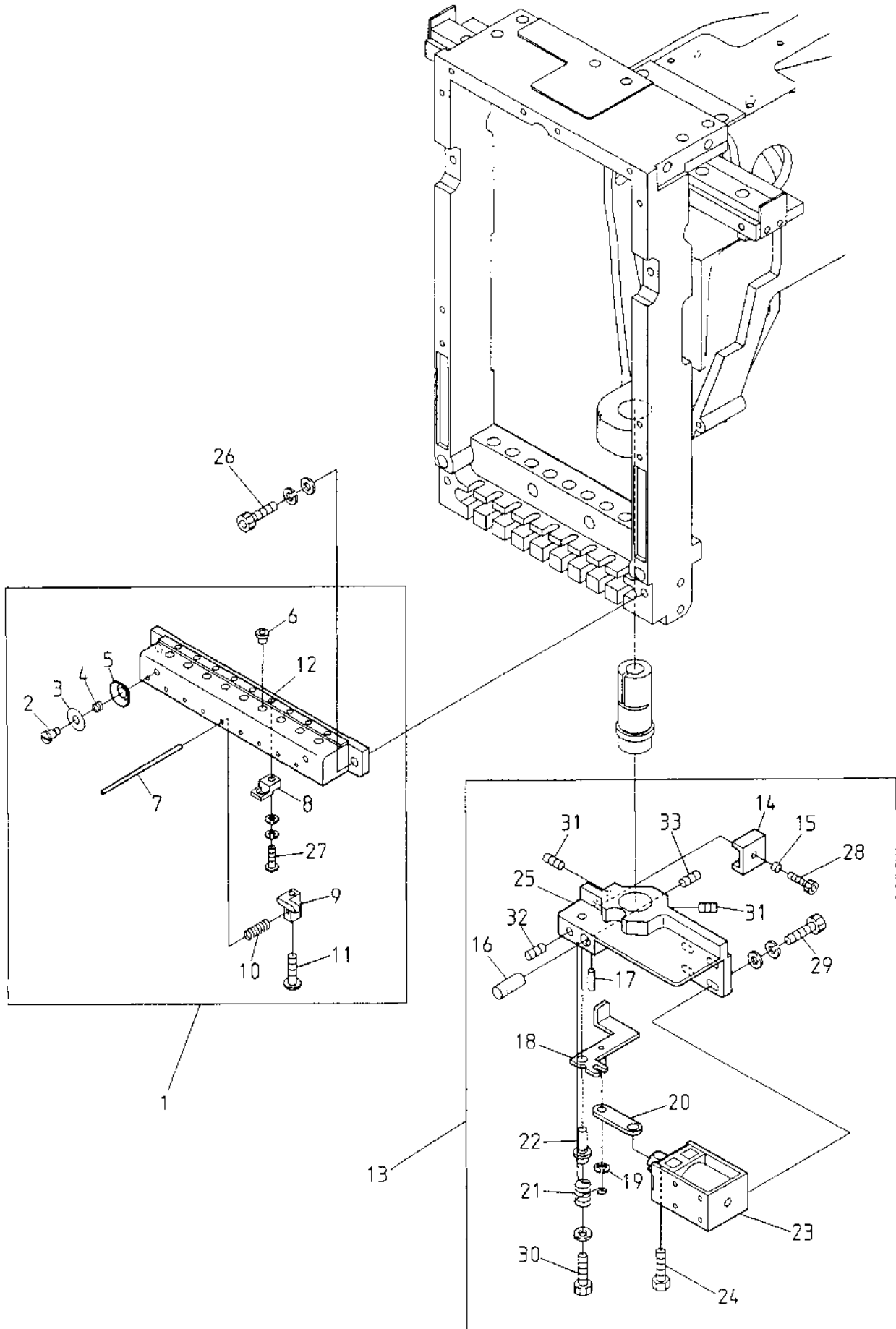
⑬ Automatic thread cutting mechanism II  
(Thread away section)



MODEL BEATME-ZN  
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908





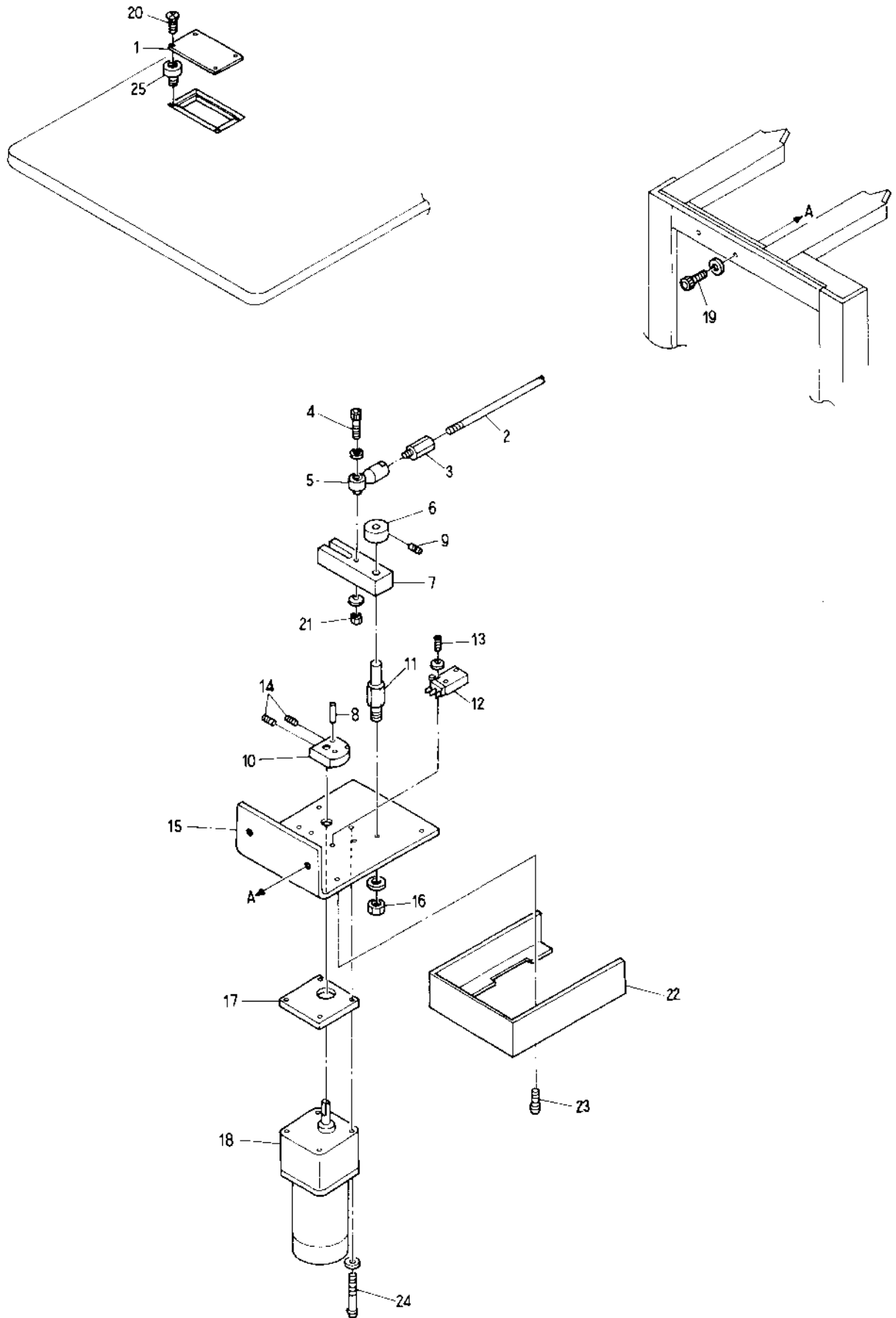


⑭ Automatic thread cutting mechanismⅢ (Thread support section) (H=Head Q'TY)

ITEM	LIST No.	DESCRIPTION	Q'TY	REMARK
1	KX 2 7 0 2 3 0	Thread support apron a'ssy	H × 1	
2	KF 2 5 0 2 5 0	Thread hook shaft screw	H × 2	
3	KF 2 5 0 2 3 1	Thread hook spring holder	H × 2	
4	KF 2 5 0 2 4 1	Thread hook spring	H × 2	
5	KF 2 5 0 2 2 0	Thread hook disk	H × 2	
6	KF 2 3 0 5 8 0	Take up lever insulator	H × 9	
7	KF 2 7 0 1 1 0	Thread support pin	H × 9	
8	KX 2 7 0 1 0 0	Thread support block	H × 9	
9	KX 2 7 0 0 9 0	Thread support clamp	× 9	
10	KX 2 7 0 1 2 0	Thread support spring	H × 9	
11	HT 2 7 0 0 6 2	Set screw for thread support clamp	H × 9	
12	KX 2 7 0 0 8 0	Thread support apron	H × 1	
13	KX 2 7 0 3 4 0	Thread support a'ssy	H × 1	
14	HT 2 3 0 5 2 0	Needle bar driver stopper	H × 1	
15	A 9 0 1 2 3 6 8	Spacer	H × 1	
16	KX 2 7 0 3 6 0	Thread support push rod	H × 1	
17	KX 2 7 0 3 2 0	Thread support push pin	H × 1	
18	KX 2 7 0 2 9 0	Thread support lever	H × 1	
19	A 9 0 1 2 1 2 7	E-Ring (φ3)	H × 1	
20	KX 2 7 0 3 1 0	Thread support link	H × 1	
21	KX 2 7 0 3 5 0	Thread support return spring	H × 1	
22	KX 2 7 0 3 0 0	Thread support lever pin	H × 1	
23	A 9 0 5 6 0 1 3	Keep solenoid (TDS-KIOSL)	H × 1	
24	KC 2 7 0 1 0 1	Solenoid pin	H × 1	
25	KX 2 7 0 3 3 0	Thread support base	H × 1	
26		Hex. socket bolt M4×12 (With washers)		
27		Hex. socket button bolt M3×10 (With washers)		
28		Hex. socket bolt M3×6		
29		Hex. socket bolt M3×8 (With washers)		
30		Hex. socket bolt M3×6 (With plain washer)		
31		Hex. socket set screw M5×8		
32		Hex. socket set screw M4×4		
33		Hex. socket set screw M3×6		

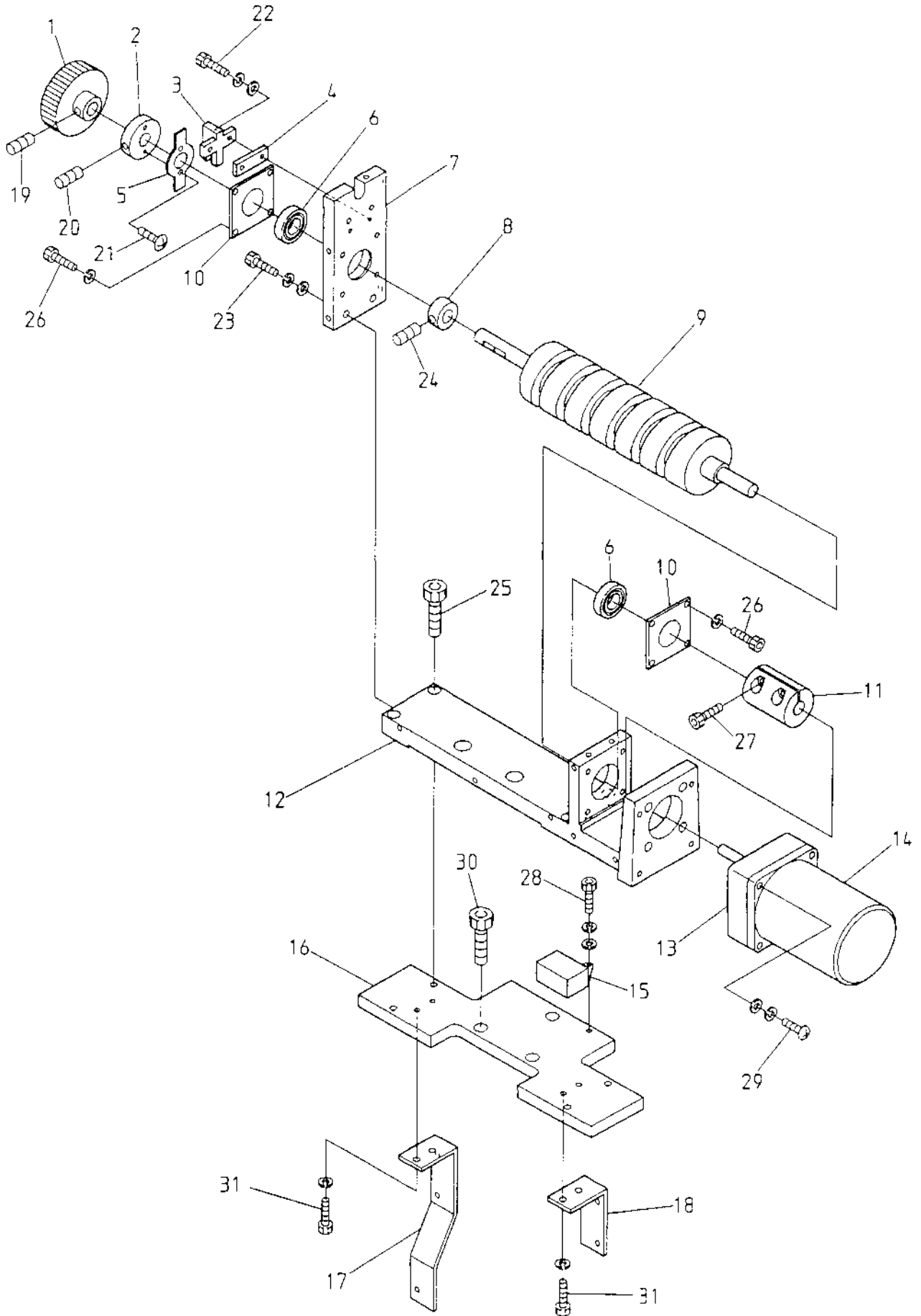
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⑮ Automatic thread cutting mechanism IV  
(Drive mechanism)



MODEL BEATME-2N

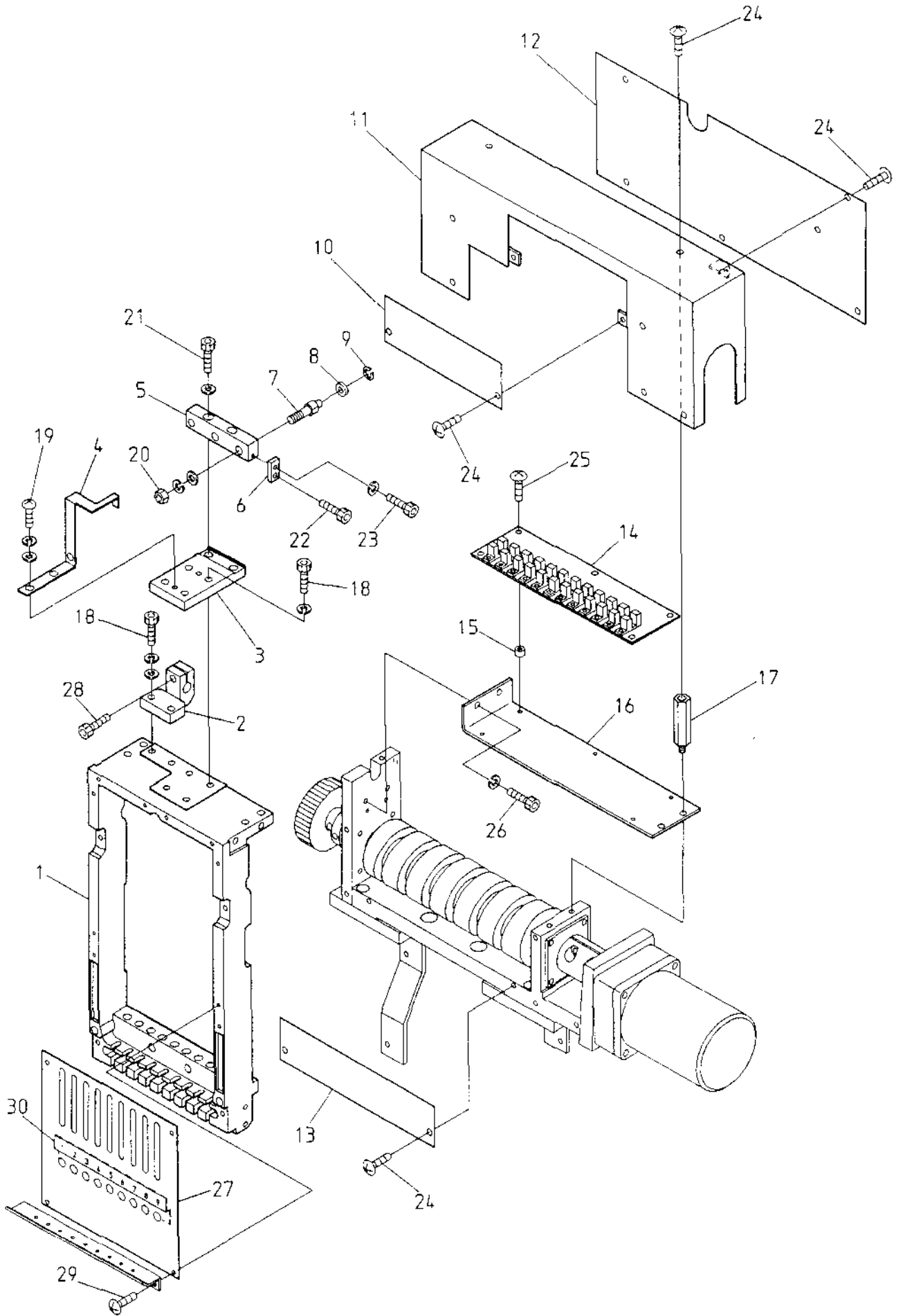




MODEL BEATME-ZN  
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## ⑩ Color change mechanism I

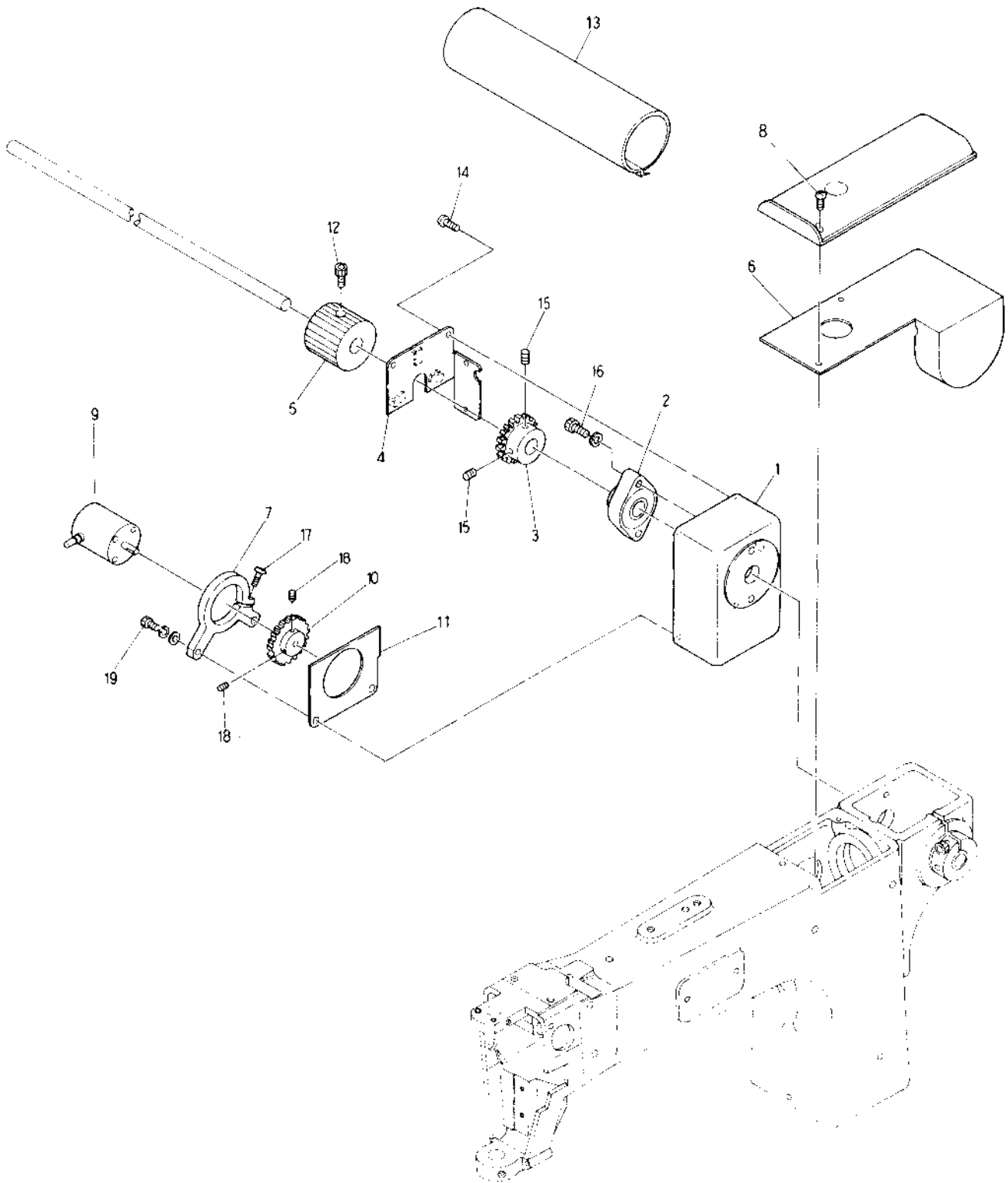
ITEM	LIST No.	DESCRIPTION	QTY	REMARK
1	KX330130	Manual knob	1	
2	KC330170	Detection plate collar	1	
3	A9060063	Photo micro sensor EE-SX672A	1	
4	KX330250	Sensor spacer	1	
5	KX330271	Rotation sensor dock	1	
6	A9010062	Bearing B60002Z	2	
7	KX330090	Color change side plate	1	
8	KX330120	Bearing hold collar	1	
9	KX330060	Color change cam	1	
10	KX330110	Bearing hold	2	
11	KX330140	Motor coupling	1	
12	KX330070	Color change base	1	
13	A9065073	Gear head 2GN30K	1	
14	A9065072	Reversible motor 2RK6GN-AUL(AC 100V)	1	
15	A9054042	Condensor CH35UL	1	
16	KX330080	Color change base plate	1	
17	KX330180	Sewing head cover fixing bracket (A)	1	
18	KX330190	Sewing head cover fixing bracket (B)	1	
19		Hex. socket set screw M6×6		
20		Hex. socket set screw M5×10		
21		Truss screw M4×8		
22		Hex. socket bolt M3×16 (With washers)		
23		Hex. socket bolt M5×25 (With washers)		
24		Hex. socket set screw M6×5		
25		Hex. socket bolt M5×25		
26		Hex. socket bolt M4×10 (With spring washer)		
27		Hex. socket bolt M5×16		
28		Hex. socket bolt M4×10 (With washers)		
29		Pan screw M4×60 (With washers)		
30		Hex. socket bolt M5×18		
31		Hex. socket bolt M4×12 (With spring washer)		





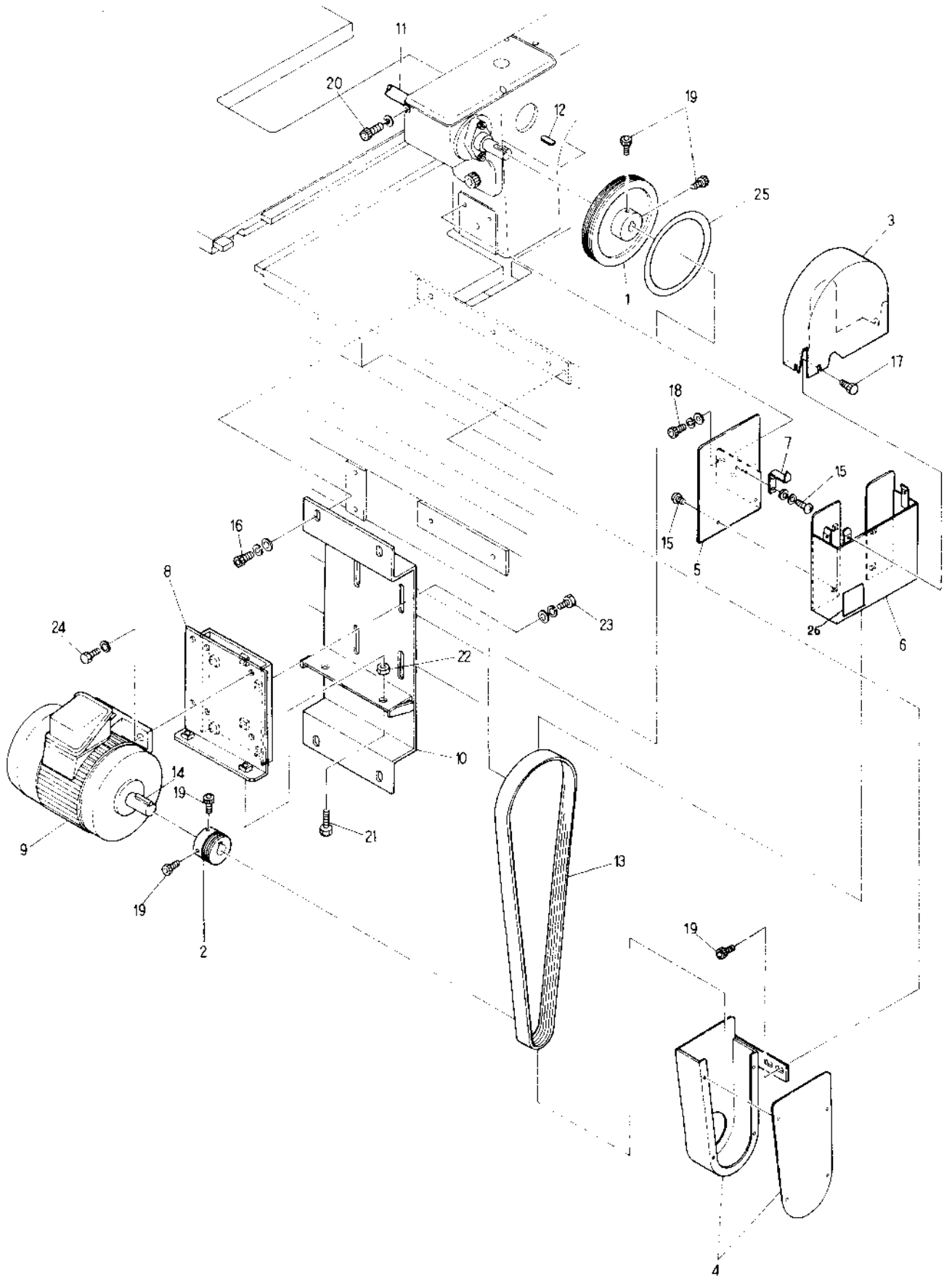
⑰ Color change mechanism II

ITEM	LIST No.	DESCRIPTION	Q'TY	REMARK
1	KX230280	Slide block	1	
2	KX230170	Joint block (Head with color change mechanism)	1	
3	KX330280	Connecting base plate	1	
4	KX330290	Sensor dock	1	
5	KX330170	Connecting block	1	
6	KX330240	Tension bracket	1	
7	KX330160	Connecting collar shaft	2	
8	A9010063	Bearing MR105ZZ(NSK)	2	
9	A9012127	E Ring $\phi 3$	2	
10	KX330230	Color change unit cover D	1	
11	KX330220	Color change unit cover A	1	
12	KX330200	Color change unit cover B	1	
13	KX330210	Color change unit cover C	1	
14	EBN02193	3771 Needle positioner board (ZN) for BEATME	1	
15	A9012208	Spacer $\phi 5 \times 4L$	4	
16	KX330300	Color change board base plate	1	
17	KX330260	Shaft for catching cover	2	
18		Hex. socket bolt M5×18 (With washers)		
19		Hex. socket button bolt M4×8 (With washers)		
20		Hex. nut M6 (With washers)		
21		Hex. socket bolt M6×25 (With plain washer)		
22		Hex. socket bolt M4×25		
23		Hex. socket bolt M3×8 (With spring washer)		
24		Truss screw M4×6		
25		Truss screw M3×10		
26		Hex. socket bolt M4×10 (With spring washer)		
27	KX250100	Front cover (Upper. needle)	1	
28		Hex. socket bolt M5×14		
29		Truss screw M3×8		
30	KX790000	Needle indication seal	1	



### 18 Connecting shaft mechanism

ITEM	LIST No	DESCRIPTION	Q'TY	REMARK
1	KR310090	Encorder box	1	
2	KP321140	Top shaft connecting bearing unit (SBPLN02)	1	
3	KR310130	Encorder driving gear No.1	1	
4	KR310120	Encorder box cover A	1	
5	KC320590	Hand pulley	1	
6	KR330110	Shaft sand cover	1	
7	KC312890	Encorder cage	1	
8		Truss screw M4×10		
9	<del>KN511020</del>	<del>Position corder 0.5+</del>	1	
10	KR310100	Encorder driving gear No.2	1	
11	KR310110	Encorder box cover B	1	
12		Hex. socket bolt M6×12		
13	1PKR02520	Connecting shaft cover (BEATME-902 320×520/520)	1 Set	
	1PKR04520	Connecting shaft cover (BEATME 904 320×520/520)	1 Set	
	1PKR06520	Connecting shaft cover (BEATME 906 320×520/520)	1 Set	
	1PKR08520	Connecting shaft cover (BEATME-908 320×520/520)	1 Set	
14		Truss screw M4×6		
15		Hex. socket set screw M5×10		
16		Hex. socket bolt M6×40		
17		Truss screw M4×15		
18		Hex. socket set screw M4×10		
19		Hex. socket bolt M6×20		

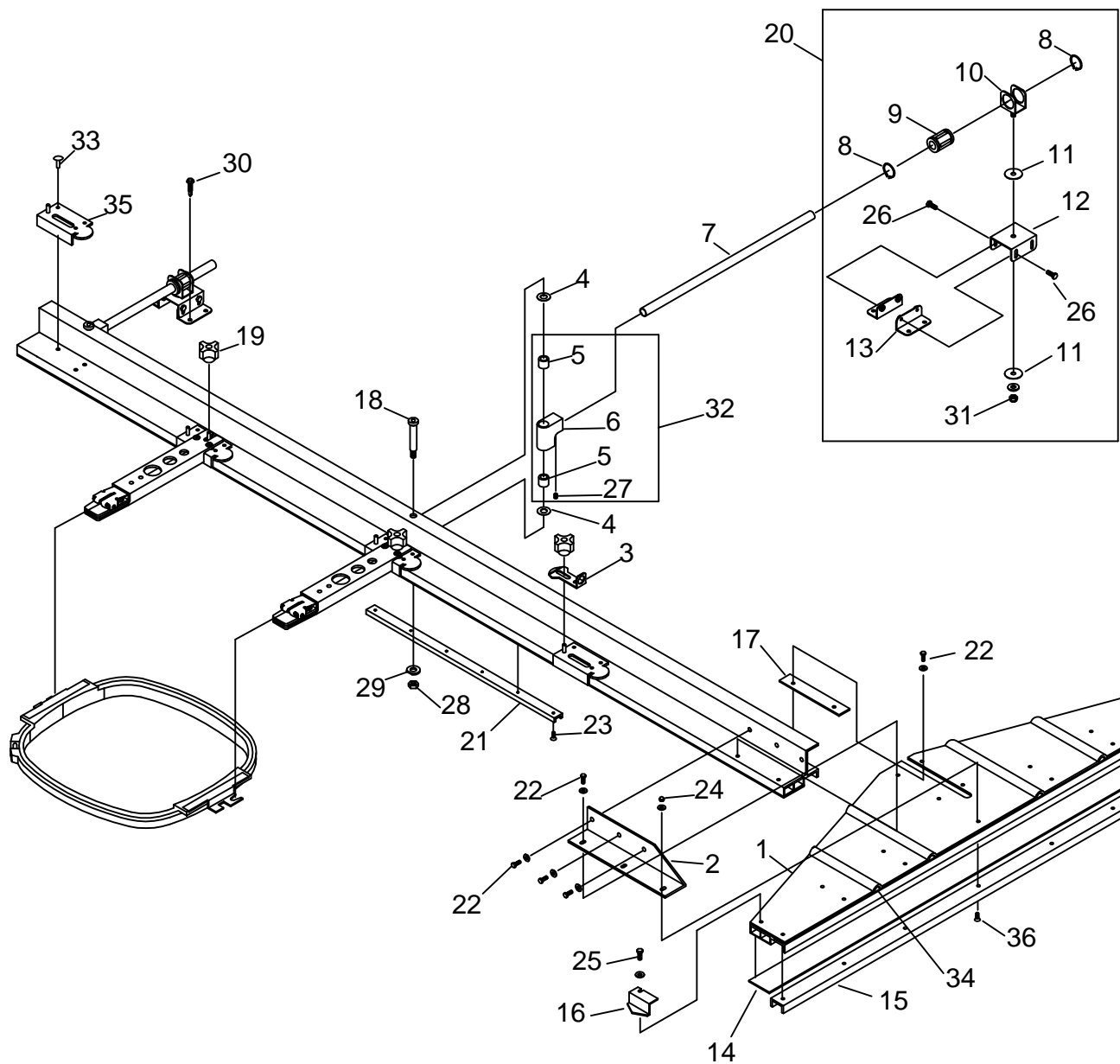


MODEL BEATME 9002-2N 9004-2 9005-2 9008

① Drive mechanism

ITEM	LIST No	DESCRIPTION	Q'TY	REMARK
1	KR310000	Driving pulley	1	
2	KN310010	Motor pulley $\phi$ 48.6	1	
3	KV310040	Belt cover (Upper)	1	
4	KV310050	Belt cover (Motor)	1	
5	KV310110	Belt cover bracket	1	
6	KV310050	Belt cover (Lower)	1	
7	KV310090	Angle gauge	1	
8	KR310020	Motor fixing bracket	1	
9	KN315110	Motor (JK-FBK8-4P-0.55KW. VF3 200V)	1	
10	KV310070	Motor base	1	
11	KR320010	Driving shaft (BEATME 902, L-688)	1	
	KR320030	Driving shaft (BEATME 904, L-1728)	1	
	KR320001	Driving shaft (BEATME-906, L-2768)	1	
	KR320020	Driving shaft (BEATME-908, L-3808)	1	
12	KR310070	Key (5×5×35)	1	
13	A9020200	Belt (4PK 1240)	1	
14	KU315250	Key (6×6×32)	1	
15		Truss screw M4×8		
16		Hex. socket bolt M4×25		
17	A9012320	Thumb screw M4×8	3	
18		Hex. socket bolt M4×15		
19		Hex. socket bolt M6×15		Key side
		Hex. socket bolt M6×18		
20		Hex. socket bolt M6×60		
21		Hex. bolt M8×60		
22		Hex. nut M8		
23		Hex. bolt M8×20		
24		Hex. bolt M8×25		
25	HP313690	Angle label (B)	1	
26	KX790010	Lubrication label	11×1	

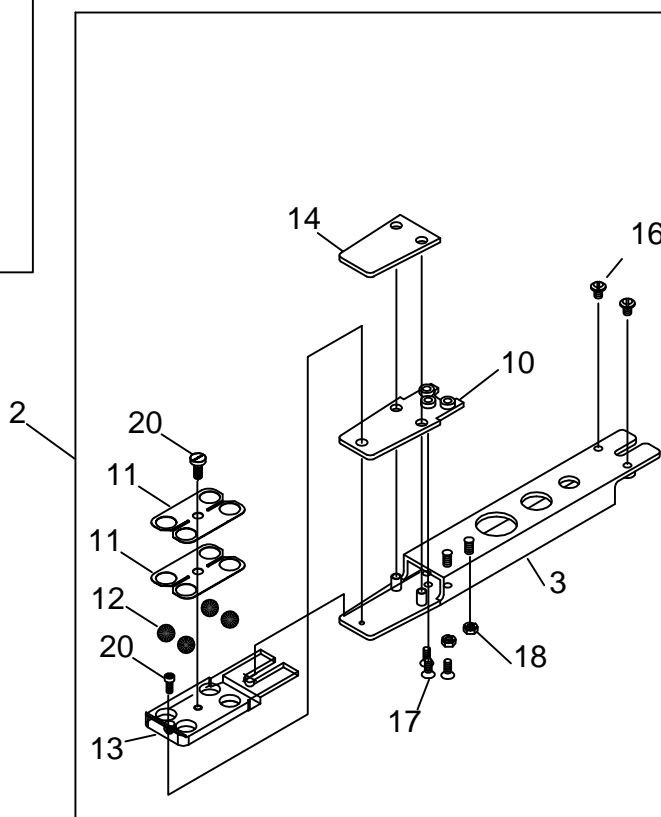
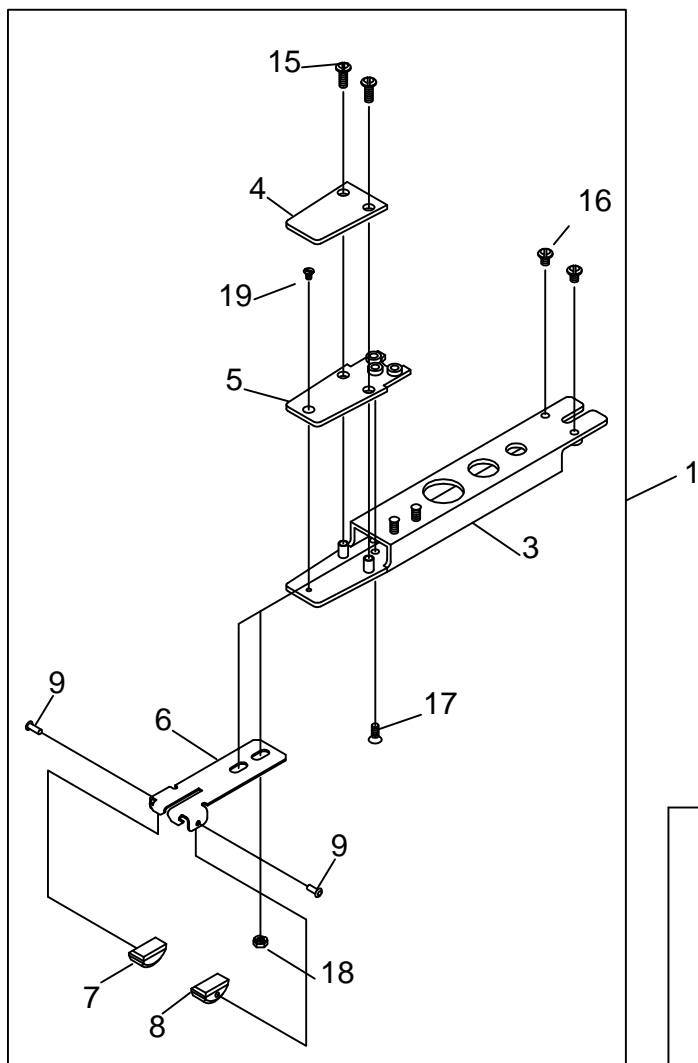
# American Pantograph Addendum



(For 2, 4, and 6 head U.S. built machines)

ITEM	LIST NO.	DESCRIPTION	QTY	NOTE
1.	A200083	Pantograph Stiffening Guide	1	
2.	A200084	Bracket, Pantograph	1	
3.	A200081	Bracket, Hoop Retaining	Sx1	
4.	A200105	Washer, Nylon	Sx2	
5.	A200106	Needle Bearing	Sx2	
6.	A200088	Swivel Bracket	Sx1	
7.	A100080	Tube, Pantograph Guide (20")	Sx1	
8.	A100103	Ring, Turret Bearing Retaining	Sx2	
9.	A100102	Bearing, Turret	Sx1	
10.	A200080	Bracket, Ball Bushing Retaining	Sx1	
11.	A100101	Washer, Turret Mounting	Sx2	
12.	A200078	Bracket, Upper Turret	Sx1	
13.	A200079	Bracket, Lower Turret	Sx2	
14.	A100105	Felt, Pantograph	1	
15.	A200094	Pantograph Bearing Guide (32")	1	
16.	A200129	Pointer, Pantograph	1	
17.	A200085	Shim, Pantograph Bracket	1	
18.	A200103	Screw, 5/16 -18 x 1 3/4" Shoulder	Sx1	
19.	P820710	Knob, 1/4-20 Phenolic		
20.	A100104	Turret Bracket Assembly		
21.	A200157	Pantograph Bearing Guide (22")		
22.		Screw, 8-32 x 1/2" Hex Head		
23.		Screw, 8-32 x 5/8" Phillips Flat Head		
24.		Nut, 10-32 Acorn		
25.		Screw, 10-32 x 1/2" Hex Head		
26.		Screw, 10-32 x 1 1/4" Hex Head		
27.		Screw, 10-32 x 1/4" Socket Cup Point Set		
28.		Nut, 5/16-18 Nylock		
29.		Washer, Half Cut Steel		
30.		Screw, 8-18 x 3/4" Hex Head (No. 2 Tek)		
31.		Nut, 1/4-20 Nylock		
32.	A200090	Swivel Bracket Assembly		
33.	A200089	Retaining Bracket Rivet		
34.	A200086	Stiffening Guide Shim		
35.	A200076	Large Retaining Bracket		
36.		Screw, 10-32 x 3/4" Phillips Flat Head		

# American Pantograph Addendum



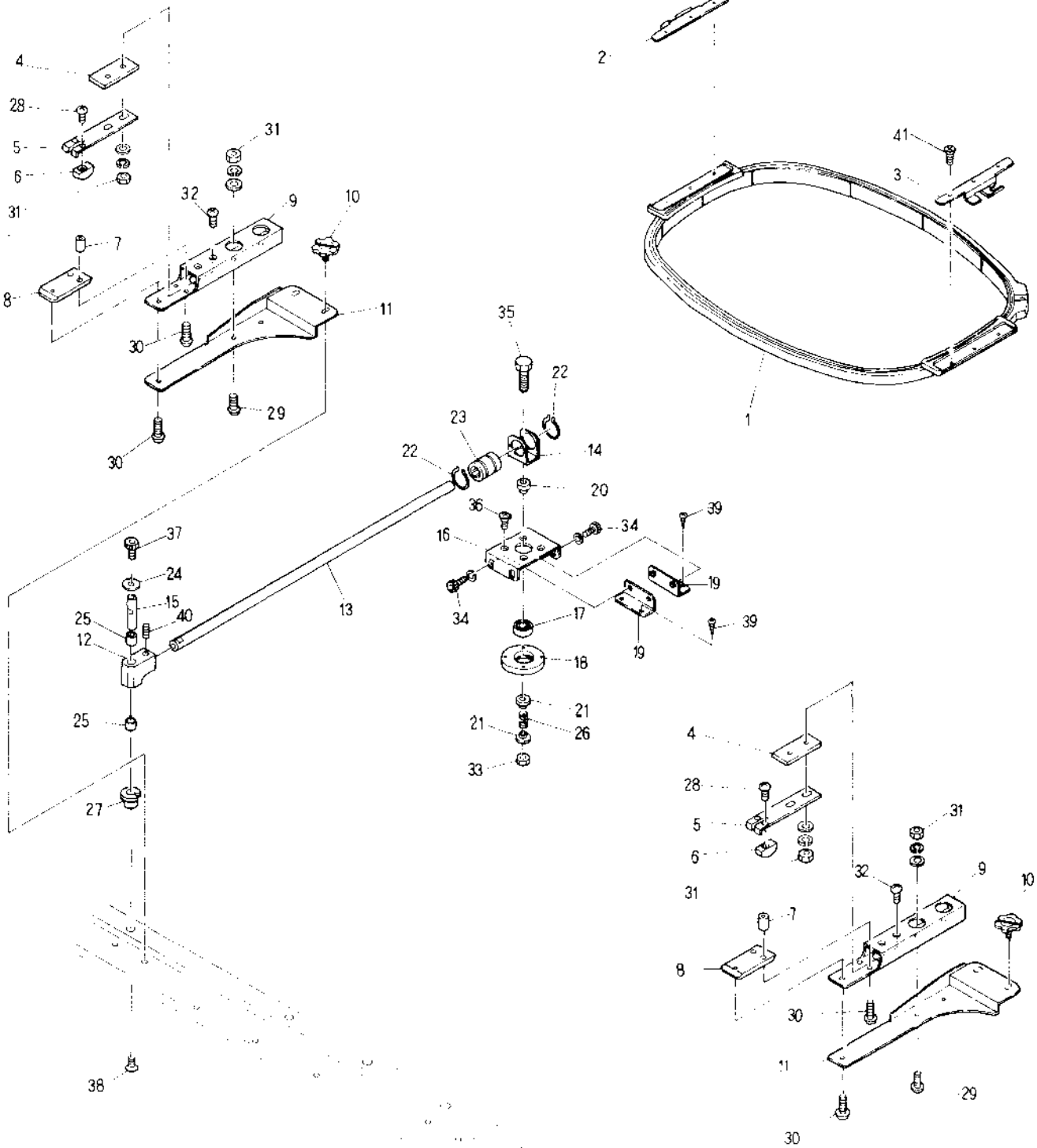
**(For 2, 4, and 6 head U.S. built machines)**



<b>ITEM</b>	<b>LIST NO.</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>NOTE</b>
1.	A200099	Assembly, Hoop Support Arm	1	
2.	A200168	Assembly, Hoop Support Arm (Ball Clip)	1	
3.	A200132	Arm, Hoop Support	1	
4.	A200093	Tongue, Nylon	1	
5.	A100107	Tongue, Steel	1	
6.	A100108	Clamp, Hoop Support	1	
7.	A200158	Button, Right Hoop Support	1	
8.	A200159	Button, Left Hoop Support	1	
9.	A200167	Rivet, Hoop Support Button	1	
10.	A100376	Ball Clip Steel Plate	1	
11.	A100372	Ball Clip Stainless Spring	2	
12.	A100373	Ball Clip 1/2" Steel Ball	4	
13.	A100374	Ball Clip Aluminum Ball Holder	1	
14.	A100375	Ball Clip Nylon Wear Plate	1	
15.		Screw, 10-32 x 3/8" Slotted Pan Head		
16.		Screw, 10-32 x 3/16" Slotted Pan Head		
17.		Screw, 8-32 x 1/4" Flat Head		
18.		Nut, 10-32 (KEPS)		
19.		Screw, 6-32 x 3/16" Undercut Flat Head		
20.		Screw, 6-32 x 1/2" Socket Head Cap		

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20 Pantograph drive mechanism I  
(Pantographion - Cover)



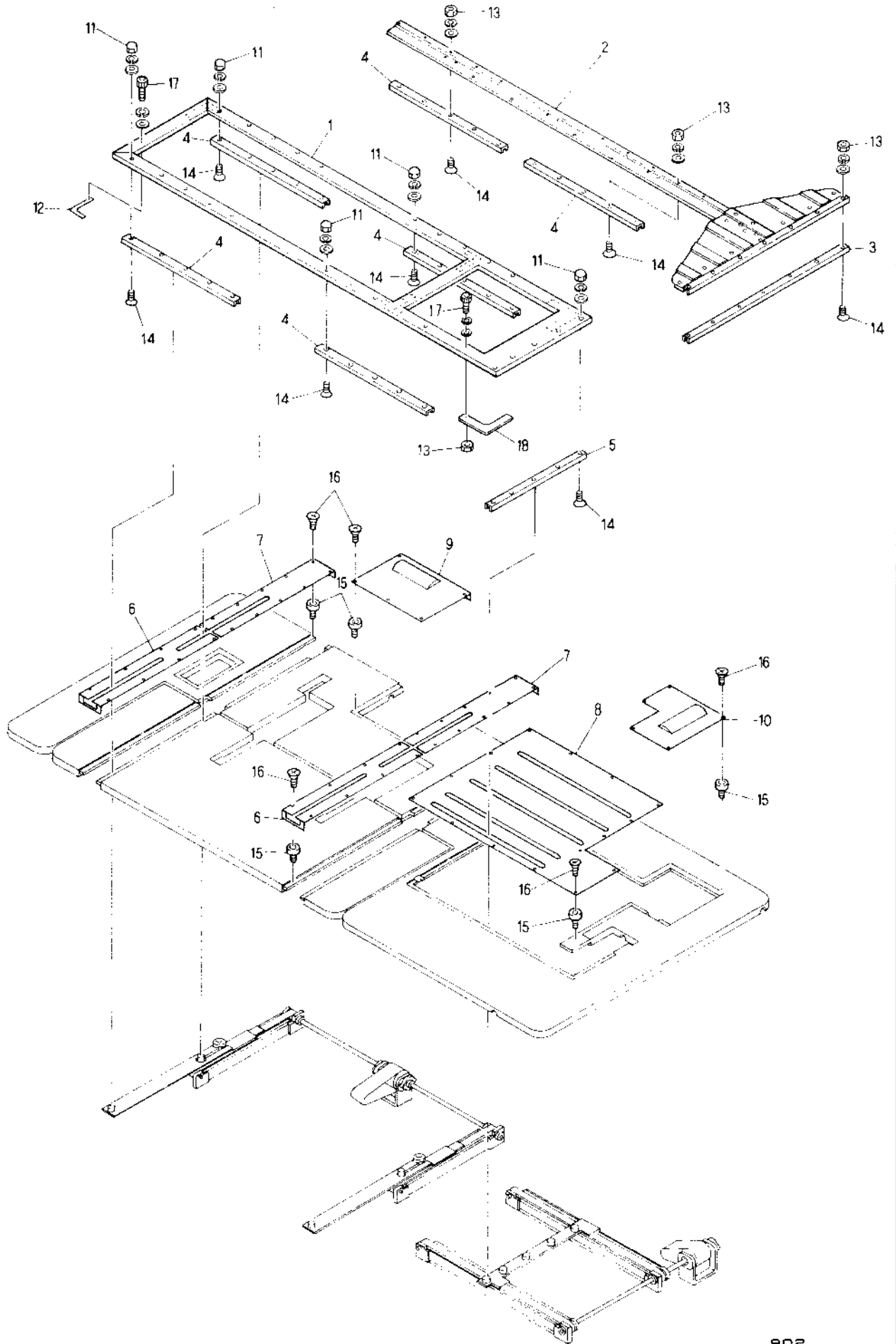
MODEL BEATME 802  
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808 -ZN

②⑩ Pantograph drive mechanism I (Pantograph - Cover)

ITEM	LIST No.	DESCRIPTION	Q'TY	REMARK
1	FR92300290A	Square pantograph 320×290	2	904...4 906...6 908...8
2	FR600528	Metal for square wood frame (No1) R	2	904...4 906...6 908...8
3	FR600529	Metal for square wood frame (No1) L	2	904...4 906...6 908...8
4	HS460200	Fixing spacer	3	904...5 906...7 908...9
5	HS460030	Frame fixing spring No2	3	904...5 906...7 908...9
6	HS460050	Frame fixing block	6	904...10 906...14 908...18
7	HIS460210	Frame fixing the position pin	6	904...10 906...14 908...18
8	KK460130	Frame slide plate	3	904...5 906...7 908...9
9	KK460050	Fixing base	3	904...5 906...7 908...9
10	HIS730000	Knurling screw for pantograph	6	904...10 906...14 908...18
11	KK460061	Fixing stay	3	904...5 906...7 908...9
12	KK460070	Rotation block	2	904...3 906...4 908...5
13	KK460090	Pantograph set driving shaft	2	904...3 906...4 908...5
14	KK460040	Bush fixing bracket	2	904...3 906...4 908...5
15	KK460080	Rotation shaft B	2	904...3 906...4 908...5
16	KK460010	Pantograph set base (Upper)	2	904...3 906...4 908...5
17	A9010036	Bearing (6900ZZ)	2	904...3 906...4 908...5
18	KK460031	Bearing set plate	2	904...3 906...4 908...5
19	KK460000	Pantograph set base (Lower)	4	904...6 906...8 908...10
20	KK460020	Rotation shaft A	2	904...3 906...4 908...5
21	KK460120	Spring set plate	4	904...6 906...8 908...10
22	A9012064	C-Ring (For shaft)21	4	904...6 906...8 908...10
23	A9011131	Slide bush SM12GUL	2	904...3 906...4 908...5
24	A9012164	Thrust washer R-TW0815	2	904...3 906...4 908...5
25	A9011132	DU Bush MB0805	4	904...6 906...8 908...10
26	KK460140	Pantograph set base	4	904...3 906...4 908...5
27	A9012264	DU Bush (MB0808-15FPU)	2	904...3 906...4 908...5
28		Truss screw M3×3		
29		Truss screw M3×7		
30		Truss screw M3×5		
31		Hex. nut M3		
32		Truss screw M3×10		
33		U Nut M5		
34		Hex. socket bolt M5×10		
35		Hex. bolt M5×25		
36		Flush screw M4×10		
37		Hex. socket bolt M1×8		
38		Flush screw M4×12		
39		Bind tapping screw M1.5×24		
40		Hex. socket set screw M6×8		
41		Flush screw M3×6		

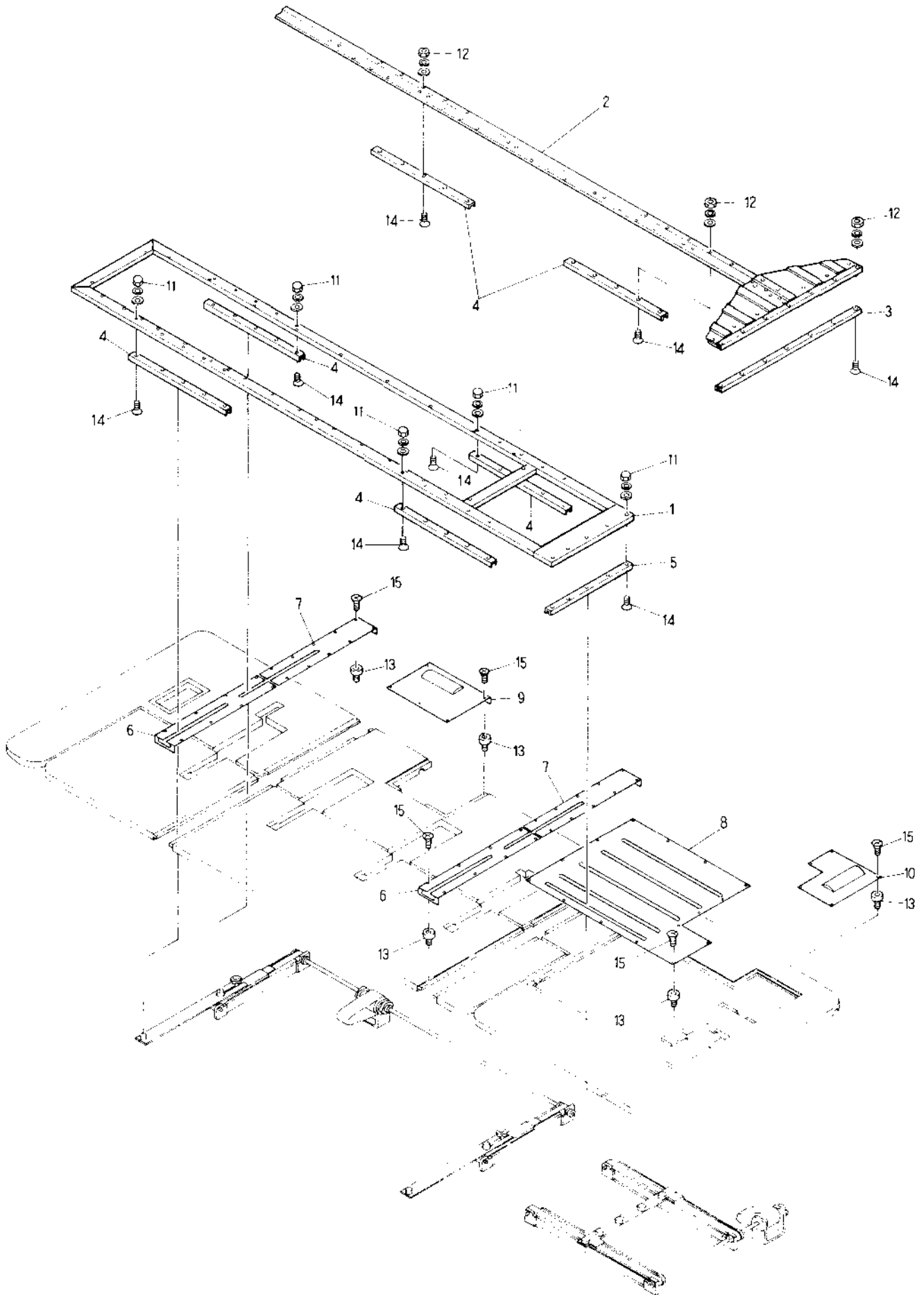
Barudan

㉑ Pantograph drive mechanism II  
(T-Pantograph relation) <902>



MODEL BEATME 802-804-806-808-ZN



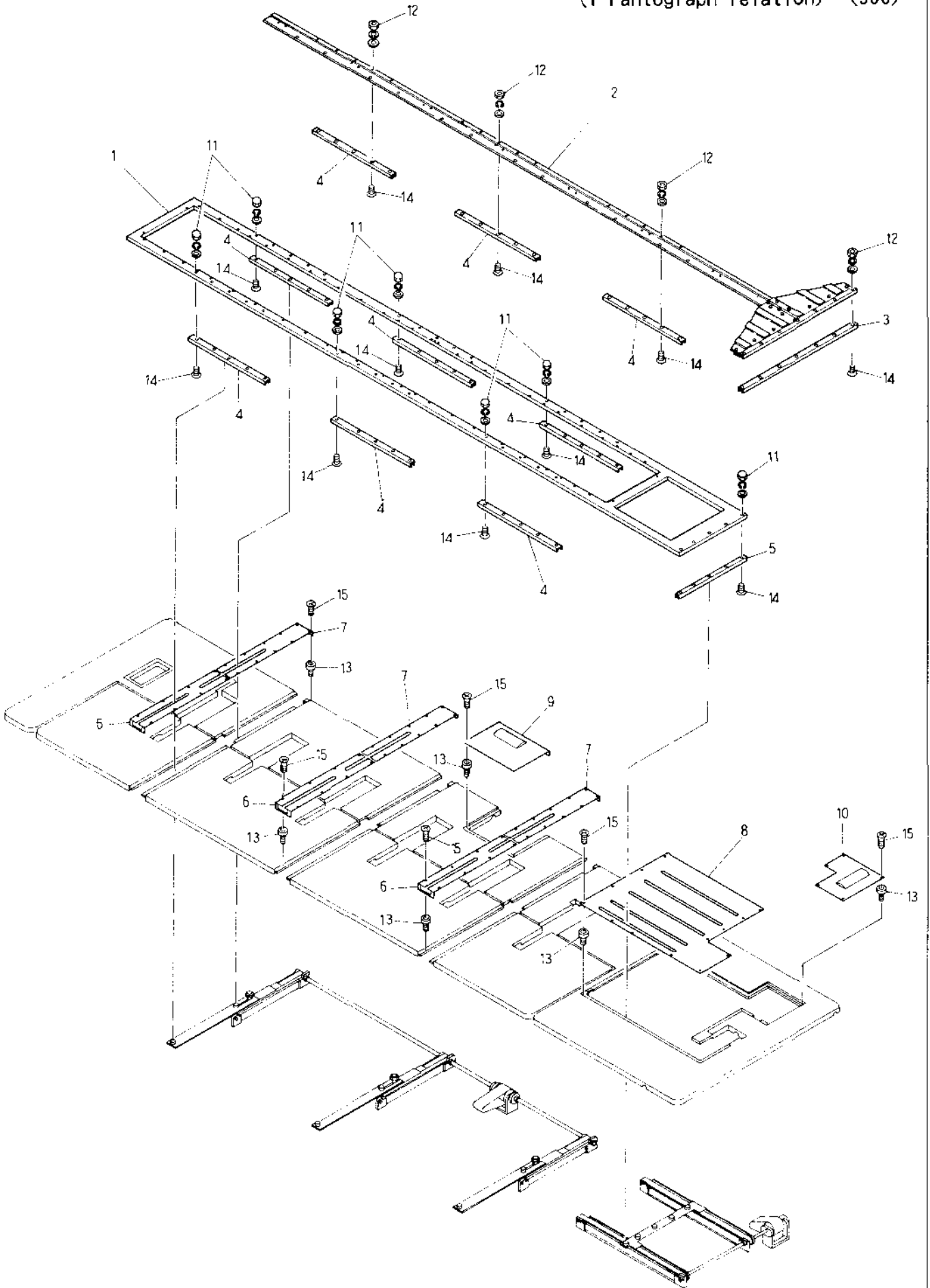


MODEL **BEATME-ZN**  
902  
904  
906  
908



Barudan

②1 Pantograph drive mechanism II  
(T-Pantograph relation) <906>

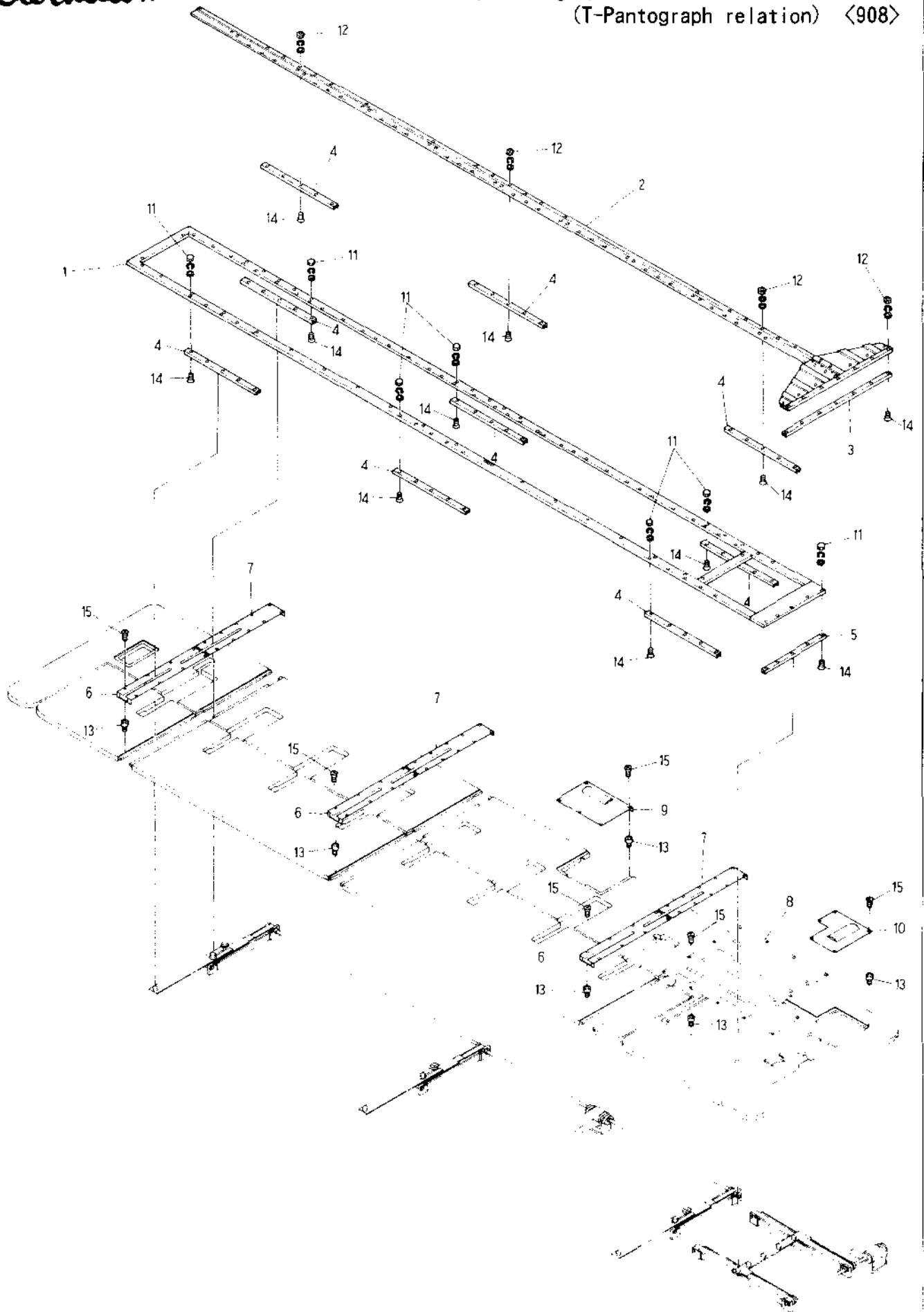


MODEL **BEATME-ZN**

902  
904  
906  
908

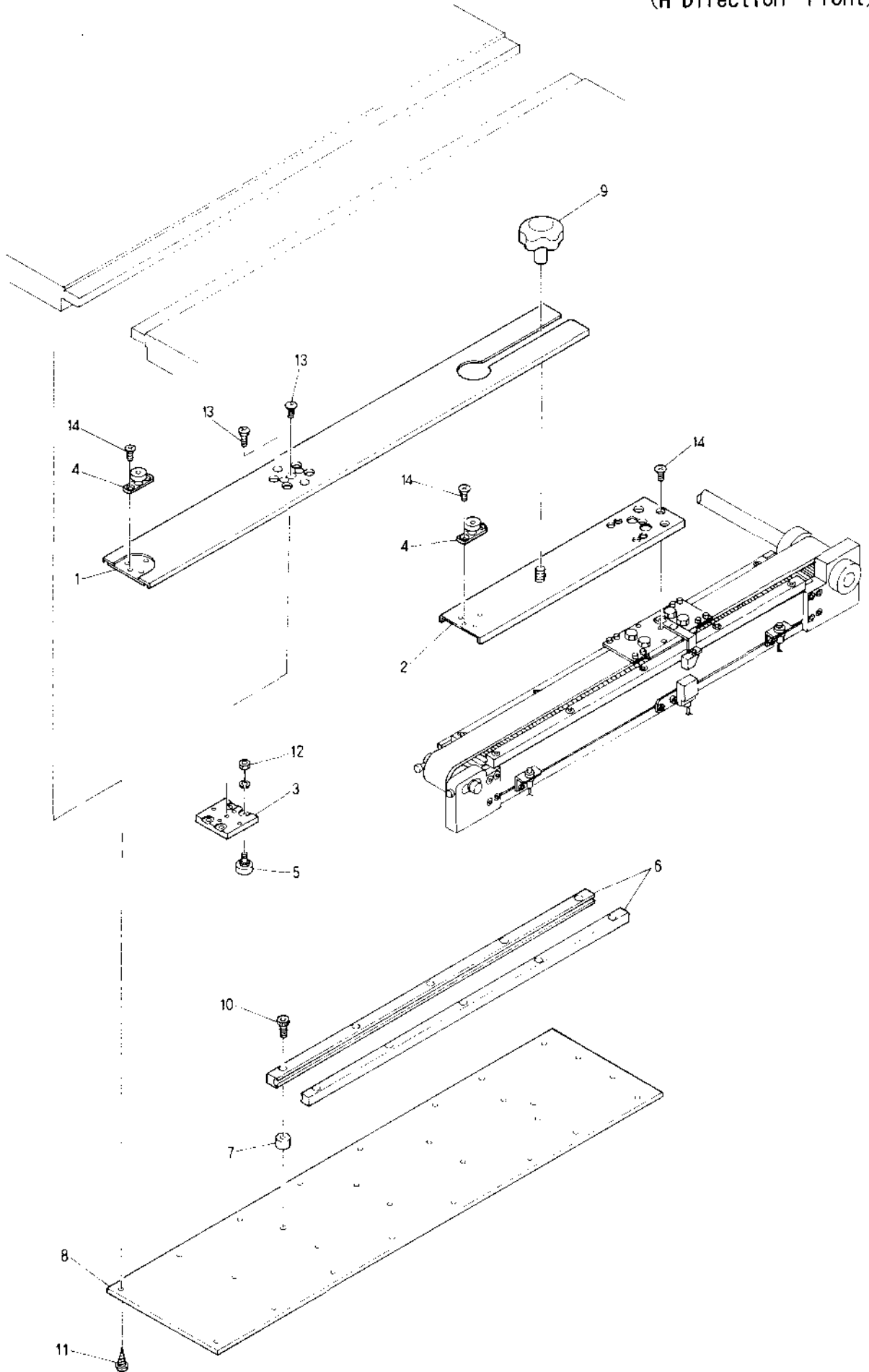




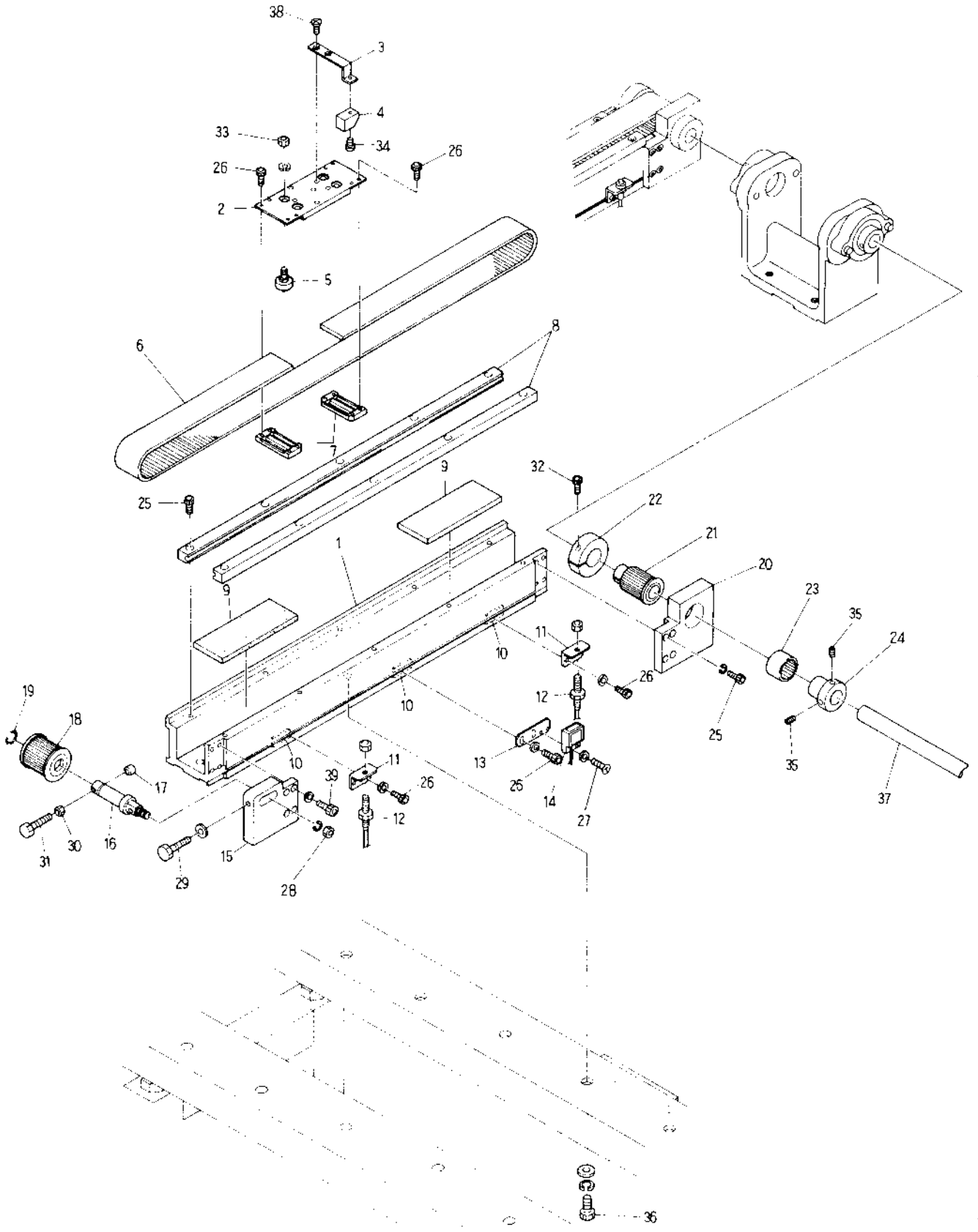


②1 Pantograph drive mechanism II (T-Pantograph relation) <908>

ITEM	LIST No.	DESCRIPTION	QTY	REMARK
1	1FKR085205200	Pantograph frame a'ssy (BEATME 908 320×520/520)	1	
2	1WKR085205200	T-Pantograph frame a'ssy (BEATME 908 320×520/520)	1	
3		V-Slide rail (L:815)	1	
4		H-Slide rail (L:580)	6	
5	KR480330	V-Slide rail (L:485)	1	
6	KK480100	V-Slide rail (L:485)	3	
7	KR480250	H-Guide cover (Rear)	3	
8	KR480270	V Guide cover	1	
9	KR480130	H Motor cover	1	
10	KR480170	V-Motor cover	1	
11		Cap nut M4		
12		Hex. nut M4		
13		Reg nut (C) M4		
14		Flush screw M4×12		
15		Flush screw M4×6		







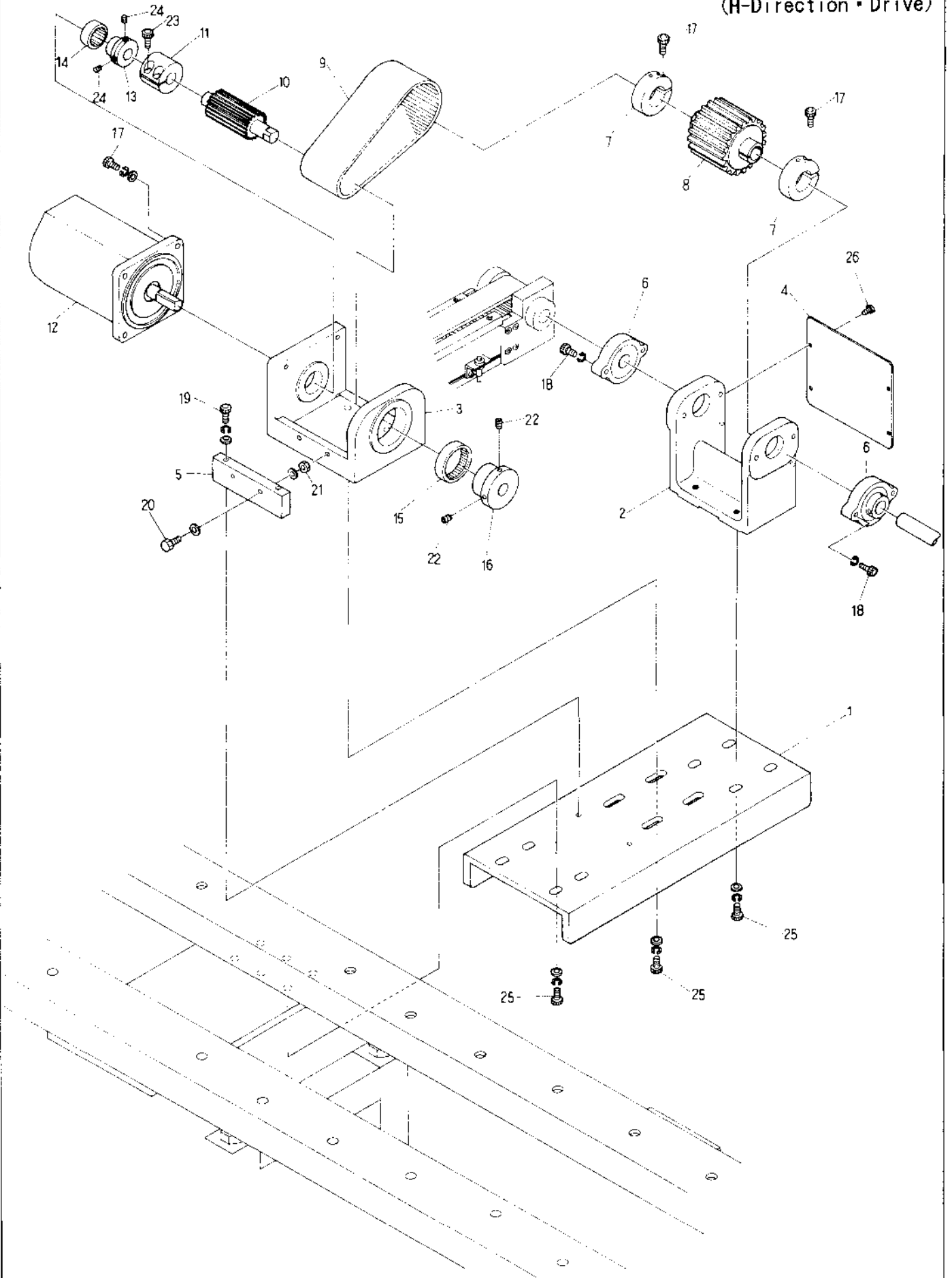
②③ Pantograph drive mechanismIV(H-Direction・Rear)

(R=H-Rail Q'TY)

ITEM	LIST No	DESCRIPTION	Q'TY	REMARK
1	KR480260	H-Guide rail base (Stroke 320)	R×1	
2	KR480240	H Roller base (Rear)	R×1	
3	KR480160	H Pantograph origin point magnet bracket	1	
4	A9052030	Magnet (M-102-02)	1	
5	HP482950	Roller pin a'ssy A	R×4	
6	KR480290	Timing belt T10 30・104	R×1	
7	KR480030	Timing belt set rack	R×2	
8	KK480140	V-Guide rail	R×2	
9	KN480061	Rail base felt (100×38×6)	R×2	
10	KU460270	Plate nut M3	3	
11	MT460240	RS-001 Bracket (V)	2	
12	A9052024	Switch RS-001	2	
13	KN450300	MH-601A Proximity switch fixing bracket	1	
14	A9052031	Magnet proximity switch (MH 601A)	1	
15	KR480060	H・V-Guide front pulley bracket	R×1	
16	HH481991	Timing pulley shaft	R×1	
17	HH482110	Pulley shaft bolt cap	R×1	
18	KR480001	Pantograph driving pulley (Front)	R×1	
19	A9012052	E-Ring φ10	R×1	
20	KR480050	H・V-Guide rear pulley bracket	R×1	
21	KR480011	Pantograph driving pulley (Rear)	R×1	
22	HH481980	Clamping φ19	R×1	
23	A9011110	Needle braring (HK20166)	R×1	
24	HH481970	Pulse motor connecting shaft collar	R×1	
25		Hex. socket bolt M4×15		
26		Hex. socket bolt M3×6		
27		Truss screw M3×10		
28		Hex. nut M8		
29		Hex. bolt M4×25		
30		Hex. nut M4		
31		Hex. bolt M4×35		
32		Hex. socket bolt M5×18		
33		Hex. nut M5		
34		Truss screw M3×6		
35		Hex. socket set screw M5×8		
36		Hex. socket bolt M8×22 (With plain washer spring washer)		
37	KR470010	H-Pulse motor connecting shaft (BEATME-902 L-1114)	1	
	KR470030	H Pulse motor connecting shaft (BEATME-904 L-1633)	1	
	KR470000	H Pulse motor connecting shaft (BEATME-906 L-2153)	1	
	KR470020	H Pulse motor connecting shaft (BEATME-908 L-3193)	1	
38		Truss screw M4×8		
39		Hex. socket bolt M4×18		

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24 Pantograph drive mechanism V  
(H-Direction Drive)



MODEL BEATME-ZN



④ Pantograph drive mechanismV(H-Direction・Drive)

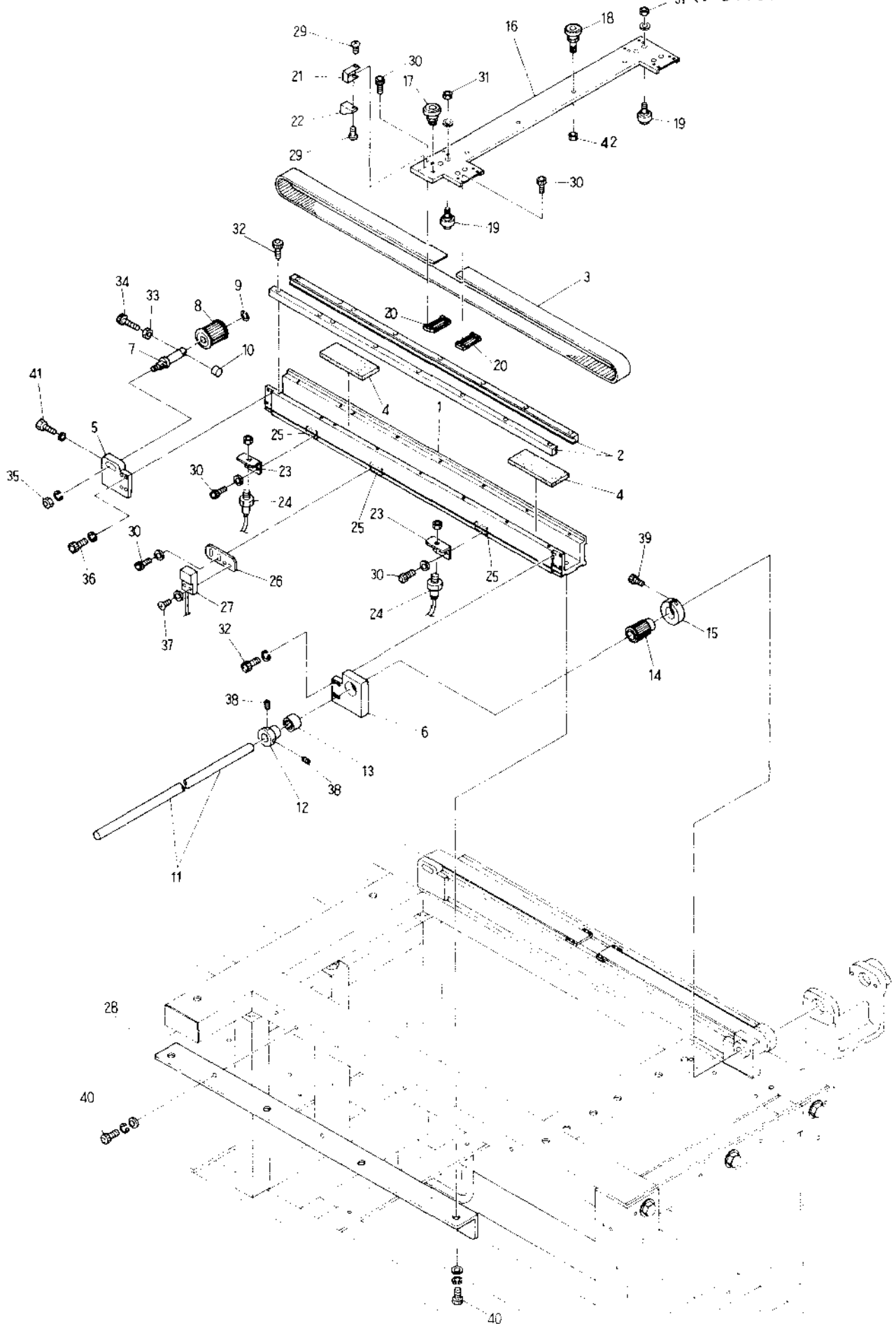
(R=H-Rail Q'TY)

ITEM	LIST No	DESCRIPTION	Q'TY	REMARK
1	KR480150	H Shaft driving base	1	
2	KR480020	Bearing bracket	1	
3	KR480080	H・V-otor bracket	1	
4	KR480180	Bracket cover	1	
5	KR480200	Tension block	1	
6	HP321140	Upper shaft connecting bearing unit (SBFLN02)	2	
7	KF320520	Connecting gear clamp	2	
8	KR480111	Pantograph driving pulley Large(Shaft side)	1	
9	A9020145	Timing belt (T10-50 37)	1	
10	KR480121	Pantograph driving pulley Small(Motor side)	1	
11	KR480040	Pantograph driving pulley connecting coupling	1	
12	EBN01810	Pulse motor (EM5913H-NA-A1)	1	906 908
	EBN01820	Pulse motor (EM599H-NA-A1)	1	902 904
13	KR480090	Pulse motor bearing collar	1	
14	A9011111	Needle bearing (TLA-2012Z)	1	
15	A9010056	Needle bearing (HK 3516)	1	
16	KR480100	Pantograph driving pulley bearing collar	1	
17		Hex. socket bolt M6×22		
18		Hex. socket bolt M6×30		
19		Hex. socket bolt M6×40		
20		Hex. socket bolt M6×40		
21		Hex. nut M6		
22		Hex. socket set screw M5×10		
23		Hex. socket bolt M5×20		
24		Hex. socket set screw M5×6		
25		Hex. socket bolt M8×25		
26		Truss screw M4×6		

Barudan

25 Pantograph drive mechanism VI

(V-Direction • Front)

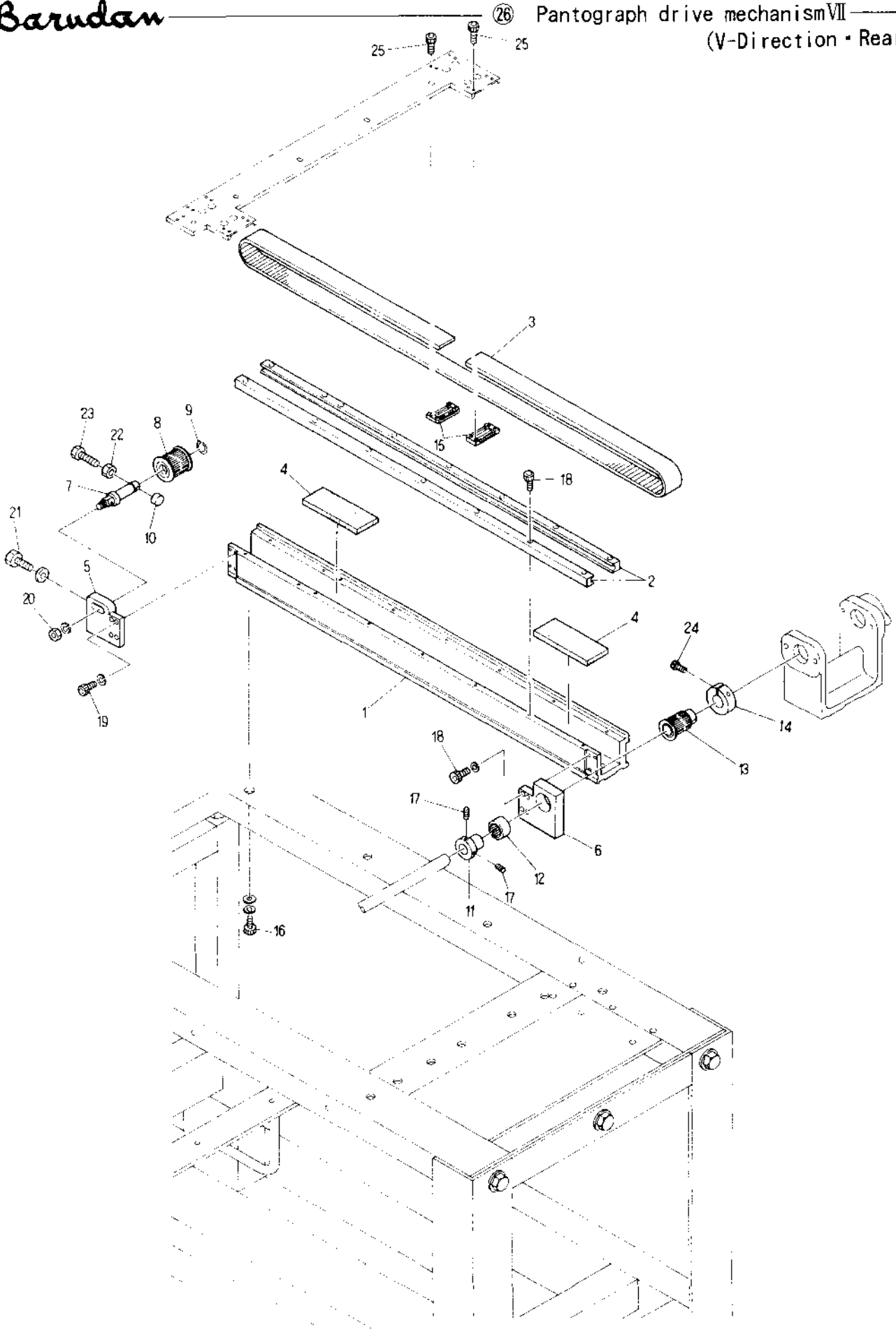


②5 Pantograph drive mechanismVI(V-Direction · Front)

ITEM	LIST No	DESCRIPTION	Q'TY	REMARK
1	KR480210	V-Guide rail base	1	
2	KN483450	V Guide rail (L=660)	2	
3	KR480280	Timing belt (T10-30-153)	1	
4	KN480061	Rail base felt (100×38×6)	2	
5	KR480060	H · V-Guide front pulley bracket	1	
6	KR480050	H · V Guide front pulley bracket	1	
7	HH481991	Timing pulley shaft	1	
8	KR480000	Pantograph driving pulley (Front)	1	
9	A9012052	E Ring φ10	1	
10	HH482110	Pulley shaft bolt cap	1	
11	KR490000	V-Pulse motor shaft	1	
12	HH481970	Pulse motor connecting shaft collar	1	
13	A9011110	Needle bearing (HK2016)	1	
14	KR480011	Pantograph driving pulley (Rear)	1	
15	HH481980	φ19 Clamping	1	
16	KR480220	V Roller base	1	
17	HP483370	Guide rail bearing pin a'ssy	1	
18	HP483111	Guide rail bearing pin a'ssy B	4	
19	HP482950	Roller pin a'ssy A	8	
20	KR480030	Timing belt set rack	2	
21	KN450311	V-Pantograph origin point magnet bracket	1	
22	A9052030	Magnet M-102A-02	1	
23	MT460240	RS-001 Bracket (V側)	2	
24	A9052024	Switch RS-001	2	
25	KU460270	Plate nut M3	3	
26	KN450300	MH 601A Proximity switch fixing bracket	1	
27	A9052031	Magnet proximity switch (MH 601A)	1	
28	KR480070	V Guide rail base bracket	1	
29		Truss screw M3×6		
30		Hex. socket bolt M3×6		
31		Hex. nut M5		
32		Hex. socket bolt M4×15		
33		Hex. nut M4		
34		Hex. socket bolt M4×15		
35		Hex. nut M4		
36		Hex. bolt M4×35		
37		Hex. nut M8		
38		Hex. socket bolt M4×18		
39		Truss screw M3×10		
40		Hex. socket set screw M5×8		
41		Hex. socket bolt M5×18		
42		Hex. socket bolt M8×20		
43		Hex. bolt M4×25		
44		Hex. nut M6		

Barudan

②⑥ Pantograph drive mechanism VII  
(V-Direction • Rear)



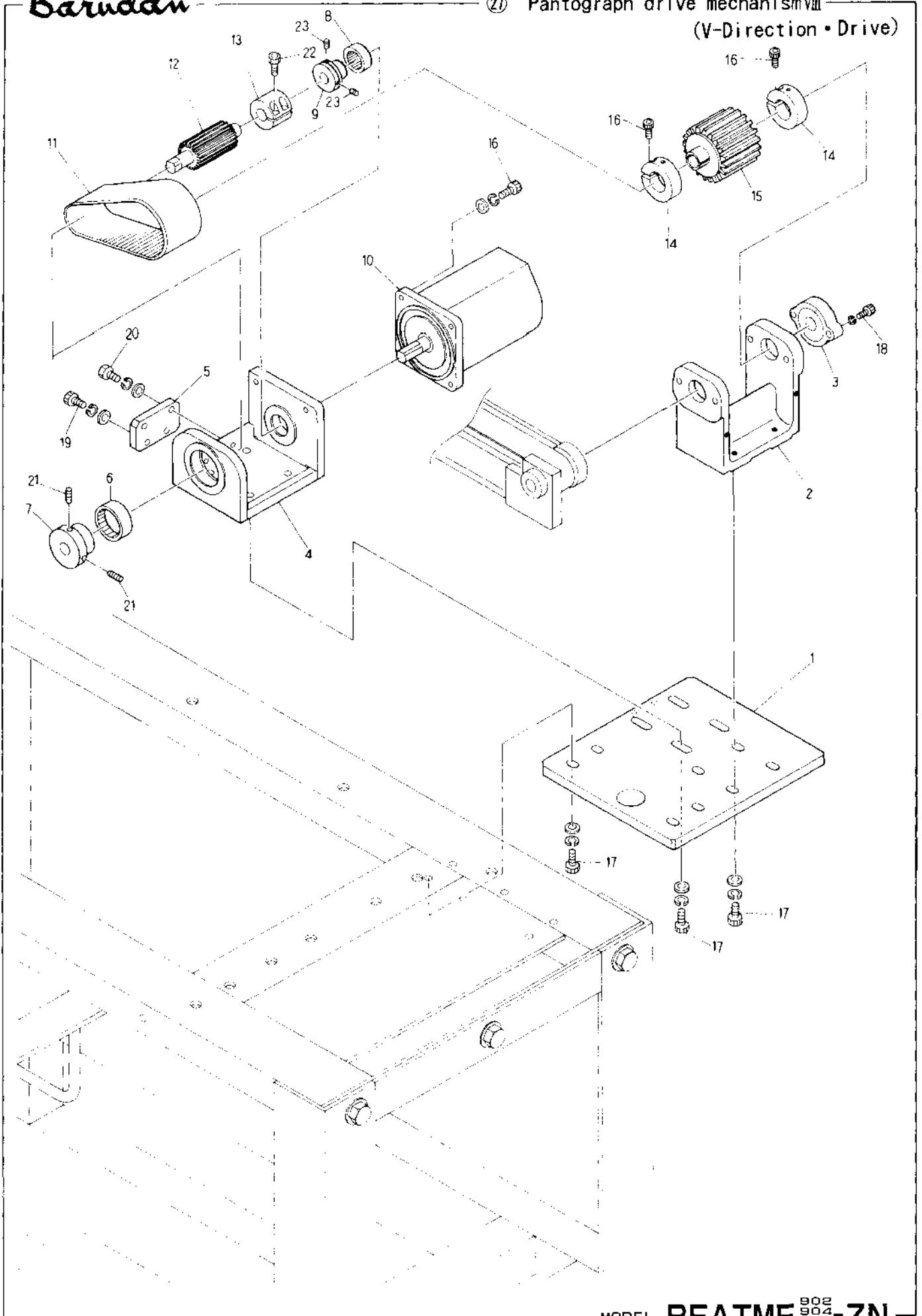
MODEL BEATME 9902-9904-9906-9908-ZN

②6 Pantograph drive mechanismVII(V-Direction · Rear)

ITEM	LIST No	DESCRIPTION	Q'TY	REMARK
1	KR480210	V-Guide rail base	1	
2	KN483450	V-Guide rail (L-660)	2	
3	KR480280	Timing belt (T10-30-153)	1	
4	KN480061	Rail base felt (100×38×6)	2	
5	KR480060	H·V-Guide front pulley bracket	1	
6	KR480050	II·V-Guide rear pulley bracket	1	
7	HH481991	Timing pulley shaft	1	
8	KR480001	Pantograph driving pulley (Front)	1	
9	A9012052	E Ring φ10	1	
10	HH482110	Pulley shaft bolt cap	1	
11	HH481970	Pulse motor connecting shaft collar	1	
12	A9011110	Needle bearing (HK2016)	1	
13	KR480011	Pantograph driving pulley (Rear)	1	
14	HH481980	φ19 Clamping	1	
15	KR480030	Timing belt set rack	2	
16		Hex. socket bolt M8×20		
17		Hex. socket set screw M5×8		
18		Hex. socket bolt M4×15		
19		Hex. socket bolt M4×18		
20		Hex. nut M8		
21		Hex. bolt M4×25		
22		Hex. nut M4		
23		Hex. bolt M4×40		
24		Hex. socket bolt M5×18		
25		Hex. socket bolt M3×6		

Barudan

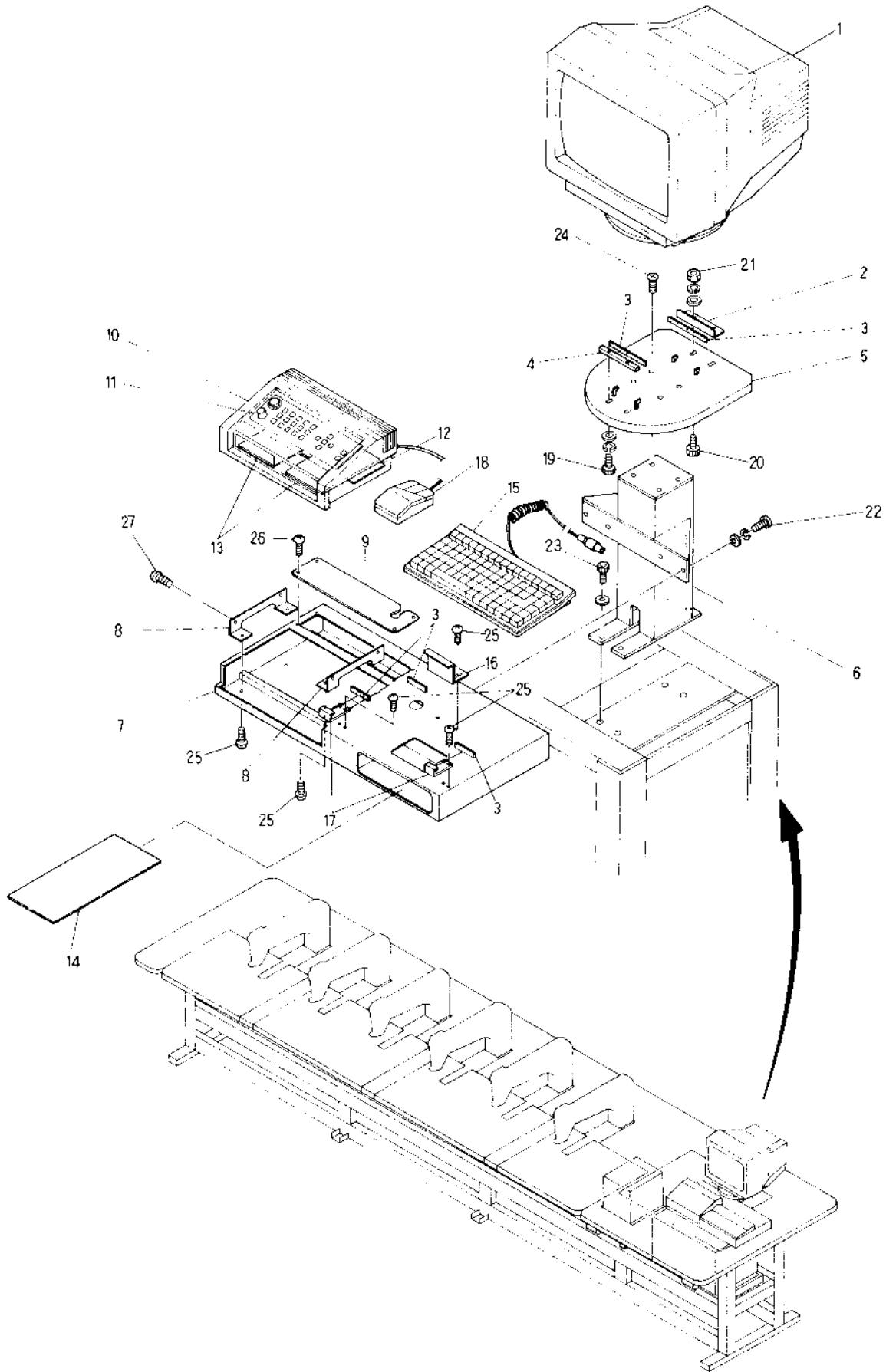
27 Pantograph drive mechanism VIII  
(V-Direction • Drive)



MODEL BEATME 9002 9004 9006 9008 -ZN

②⑦ Pantograph drive mechanismⅧ(V-Direction · Drive)

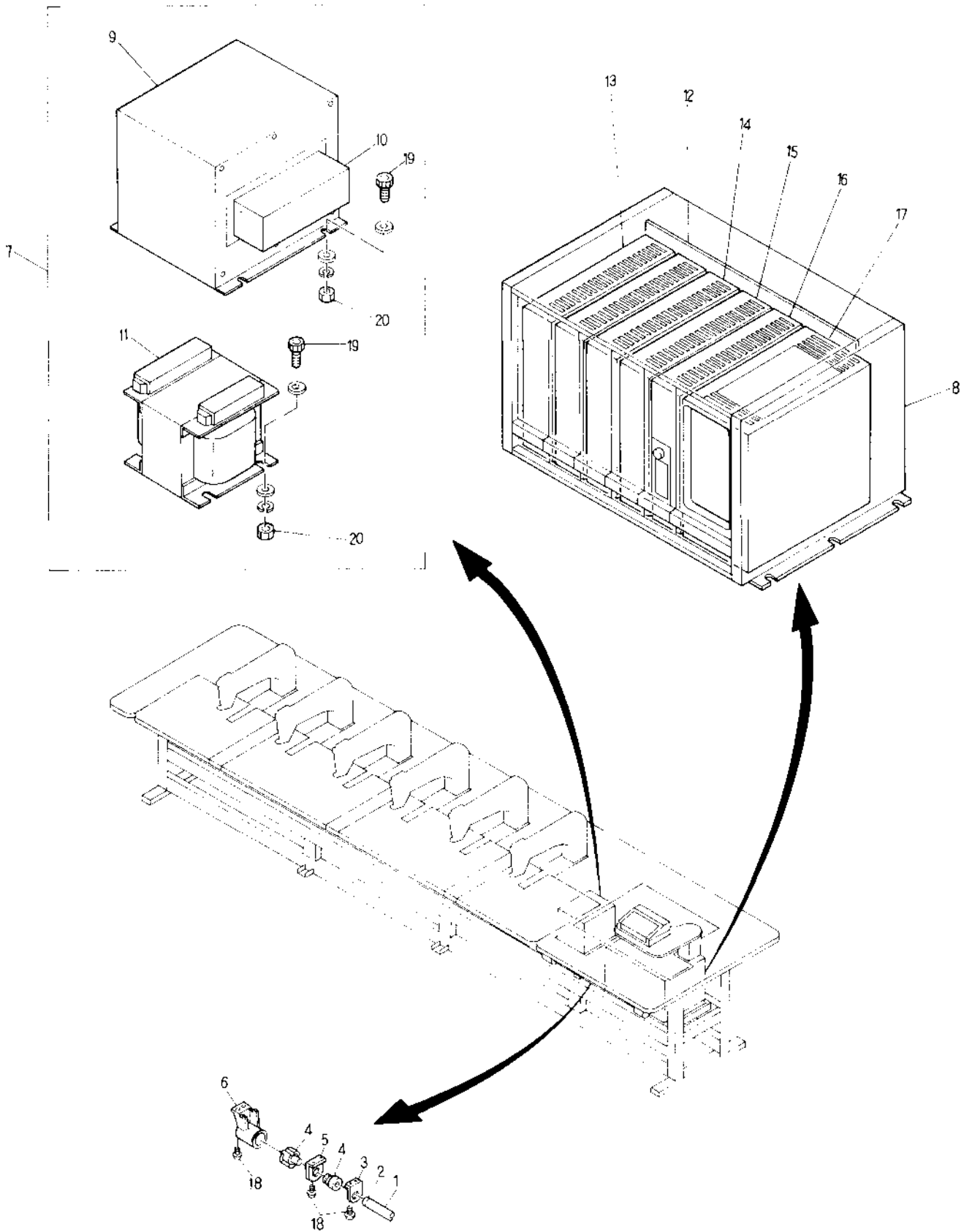
ITEM	LIST No	DESCRIPTION	Q'TY	REMARK
1	KR480140	Driving base (V)	1	
2	KR480020	Bearing bracket	1	
3	HP321140	Upper shaft connecting bearing unit (SBFLN02)	1	
4	KR480080	H·V Motor bracket	1	
5	KR480190	Tension plate	1	
6	A9010056	Needle bearing (HK-3516)	1	
7	KR480100	Pantograph driving pulley bearing collar	1	
8	A9011111	Needle bearing (TLA-20122)	1	
9	KR480090	Pulse motor bearing collar	1	
10	EBN01810	Pulse motor (EM5913H-NA-A1)	1	906 908
	EBN01820	Pulse motor (EM599H-NA-A1)	1	902 904
11	A9020145	Timing belt (T10-50 37)	1	
12	KR480121	Pantograph driving pulley Small (Motor side)	1	
13	KR480040	Pantograph driving pulley connecting coupling	1	
14	KF320520	Connecting gear clamp	2	
15	KR480110	Pantograph driving pulley Large (Shaft side)	1	
16		Hex. socket bolt M6×22		
17		Hex. socket bolt M8×30		
18		Hex. socket bolt M6×30		
19		Hex. socket bolt M6×20		
20		Hex. bolt M6×20		
21		Hex. socket set screw M5×10		
22		Hex. socket bolt M5×20		
23		Hex. socket screw M5×6		





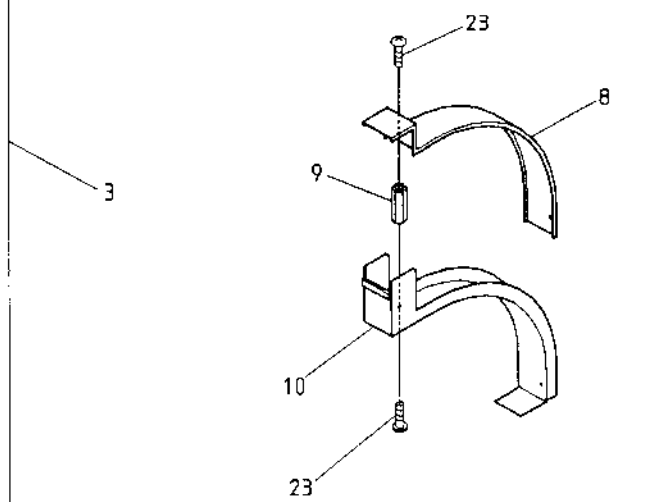
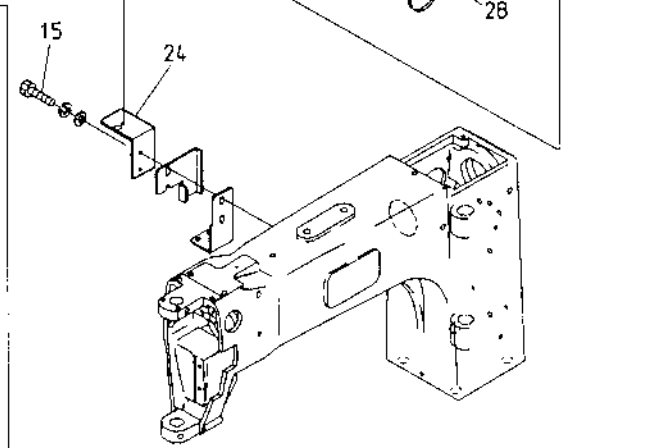
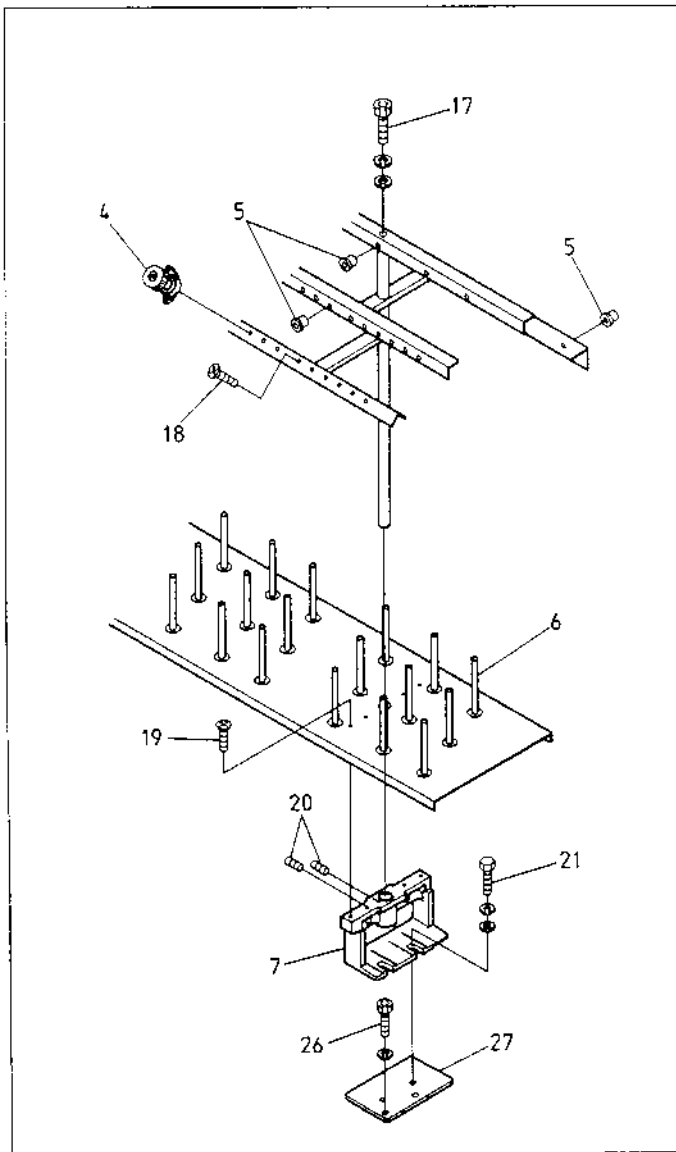
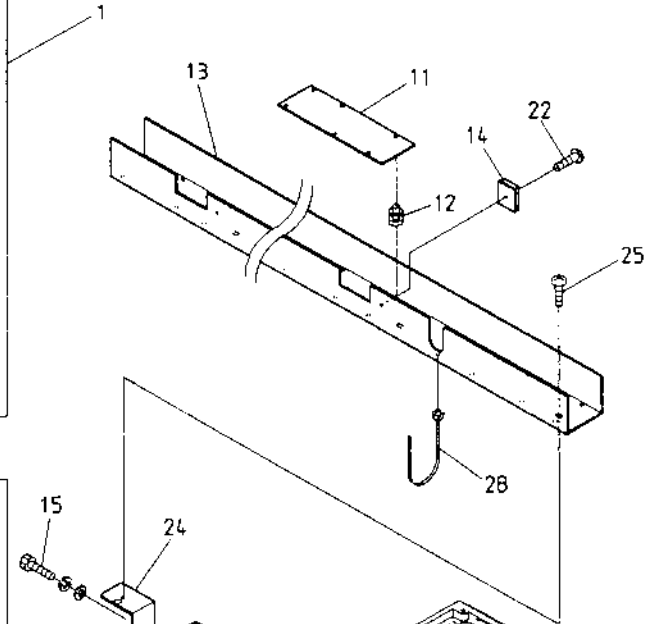
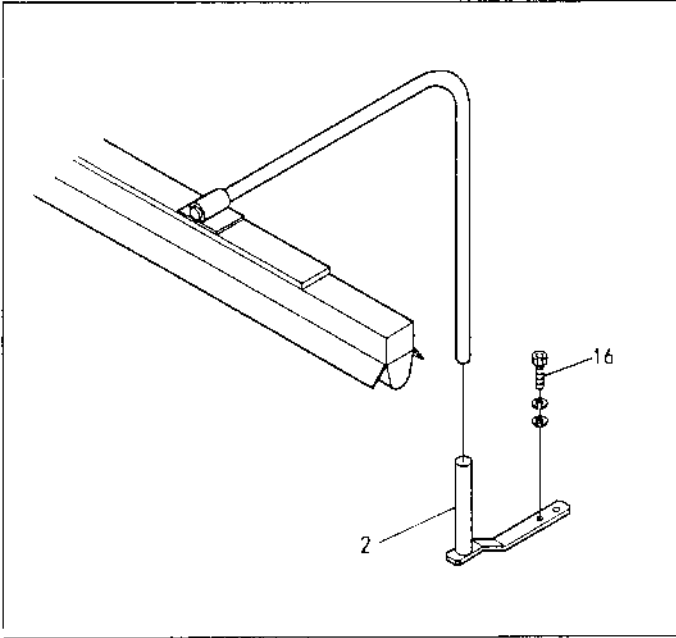
② Control system I

ITEM	LIST No	DESCRIPTION	QTY	REMARK
1	EAN058A5	BEAT900 14" Color monitor	1	
2	KR510100	CRT Set bracket	1	
3	KR510090	Sheet r3223	7	
4	KR510080	CRT Set block	1	
5	KR510070	CRT Fixing base	1	
6	KR510030	CRT Fixing strut	1	
7	KR510050	Control box fixing base	1	
8	KR510000	Control box fixing bracket	2	
9	KR510110	Wiring cover	1	
10	EAN058A3	BEAT900 Pendant	1	
11	EBN01940	260 225 Terminal key board (With control bar)	1	
12	EBN01950	2001 025 Terminal board	1	
13	EBN02090	BEAT900 3.5FDD(720KB/1.44MB)	2	
14	KR510060	Control box sheet	1	
15	EBN01790	260-222 key board	1	
16	KR510020	Key board presser B	1	
17	KR510010	Key board presser A	2	
18	EBN01780	BEAT900 Mouse	1	
19		Hex. socket bolt M4×12		
20		Hex. socket flange bolt M4×12		
21		Hex. nut M4		
22		Truss screw M5×18		
23		Hex. socket bolt M6×20		
24		Flush screw M5×15		
25		Truss screw M4×10		
26		Truss screw M4×6		
27		Truss screw M4×8		



(29) Control system II

ITEM	LIST No	DESCRIPTION	Q'TY	REMARK
1	KF530160	Switch bar	1	
2	KF530171	Switch bar cap	2	
3	KC530240	Switch bar bracket (Small)	2	
4	KF530111	Push button switch M319 (Red)	1	
	KF530120	Push button switch M319 (Green)	1	
5	KC530230	Bar switch bracket (Large)	1	
6	KF530151	Push button switch cap	2	
7	EAN058A2	BEAT-902 Transformer IP	1	
	EAN061A2	BEAT-906 Transformer IP	1	
	EAN063A2	BEAT-908 Transformer IP	1	
8	EAN05830A4	BEAT900 SDU	1	
9		Transformer cover	1	
10		Nofuse braker	1	
11		Transformer	1	
12	EBN01750	260-217 Back board	1	
13	EBN01730	260-216 AC Spindle unit	1	
14	EBN01720	260-214 5- Driver unit	1	
15	EBN01710	260-213 I/D Power unit	1	
16	EBN01700	260-212 Regulator unit	1	
17	EBN01690	260 289 Control unit	1	
18		Tapping screw M4×20		
19		Hex. socket bolt M5×12		
20		Hex. nut M5		

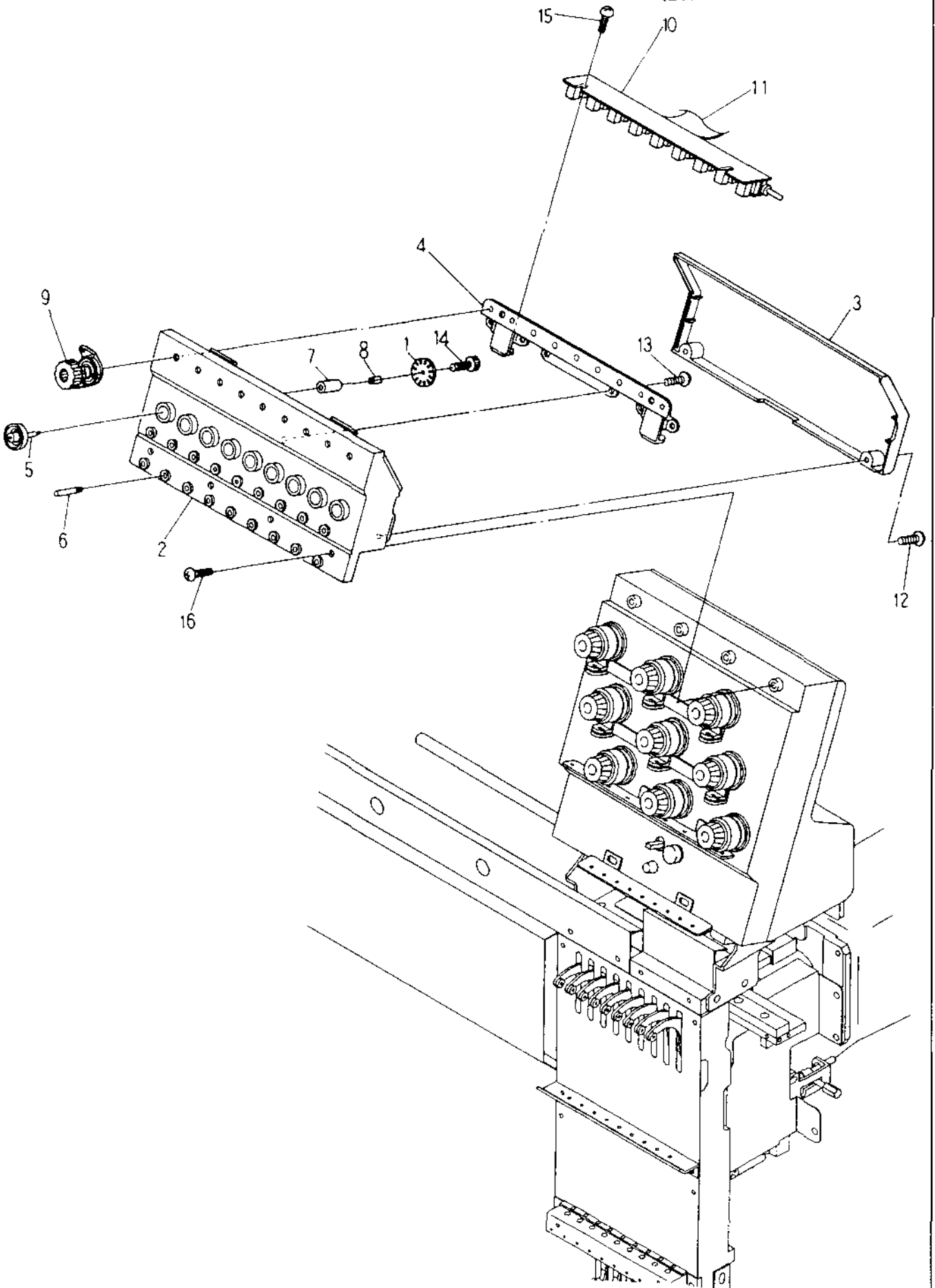


③ O p t i o n

ITEM	LIST No	DESCRIPTION	QTY	REMARK
1	HP711200	Fluorescent lamp set (LRP 4013T 15/16LG 100V)	1	For 12head and 15head
	HP711210	Fluorescent lamp set (LRP 4013T 25LG 200V)	1	For 12head and 15head
2	KG710161	Fluorescent lamp stand base	2	
3	1JP12380	Spool holder (12T P-380)	1	
	2CHT912380	Spool holder (12T P-380)	1	
	1JP15380	Spool holder (15T P-380)	1	
	2CHT915380	Spool holder (15T P-380)	1	
4	HP241430	Second tension unit complete (D-13.5)	H×9	
5	KF240900	Thread guide ceramic	H×18	
6	HT710000	Spool holder pin	H×9	
7	HP710791	Spool holder base		12...6 15...8
8	KX510020	Cable duct No.4 cover (ZN)	1	
9	MT510791	Nut for cable duct	2	
10	KX510010	Cable duct No.4 (ZN)	1	
11	EBN02192	Head duct board 2001-117 (ZN)	H×1	
12	A9068033	Locking guard spacer KGLS-6RF	H×6	
13	BKY510010	Cable duct set (BEATME902 P-520)	1	
	BKY510020	Cable duct set (BEATME904 P-520)	1	
	BKY510030	Cable duct set (BEATME906 P-520)	1	
	BKY510040	Cable duct set (BEATME908 P-520)	1	
14	A9068032	FCW clamp FCW-26	H×1	
15		Hex. socket bolt M4×16 (with washers)		
16		Hex. socket bolt M6×16		
17		Hex. socket bolt M8×45		
18		Flush screw M5×6		
19		Flush screw M5×12		
20		Hex. socket set screw M5×8		
21		Hex. bolt M8×20 (With washers)		
22		Pan screw M4×8		
23		Pan screw M4×6		
24	KX330110	Bracket for duct	H×1	
25		Pan screw M5×6		
26		Hex. socket bolt M4×16		
27	<del>KR330160</del>	Spool holder base spacer 7	H×1	
28	A9068034	Band with snap (SG 130)		

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③ Thread guide mechanism  
(Lower thread sensorium)

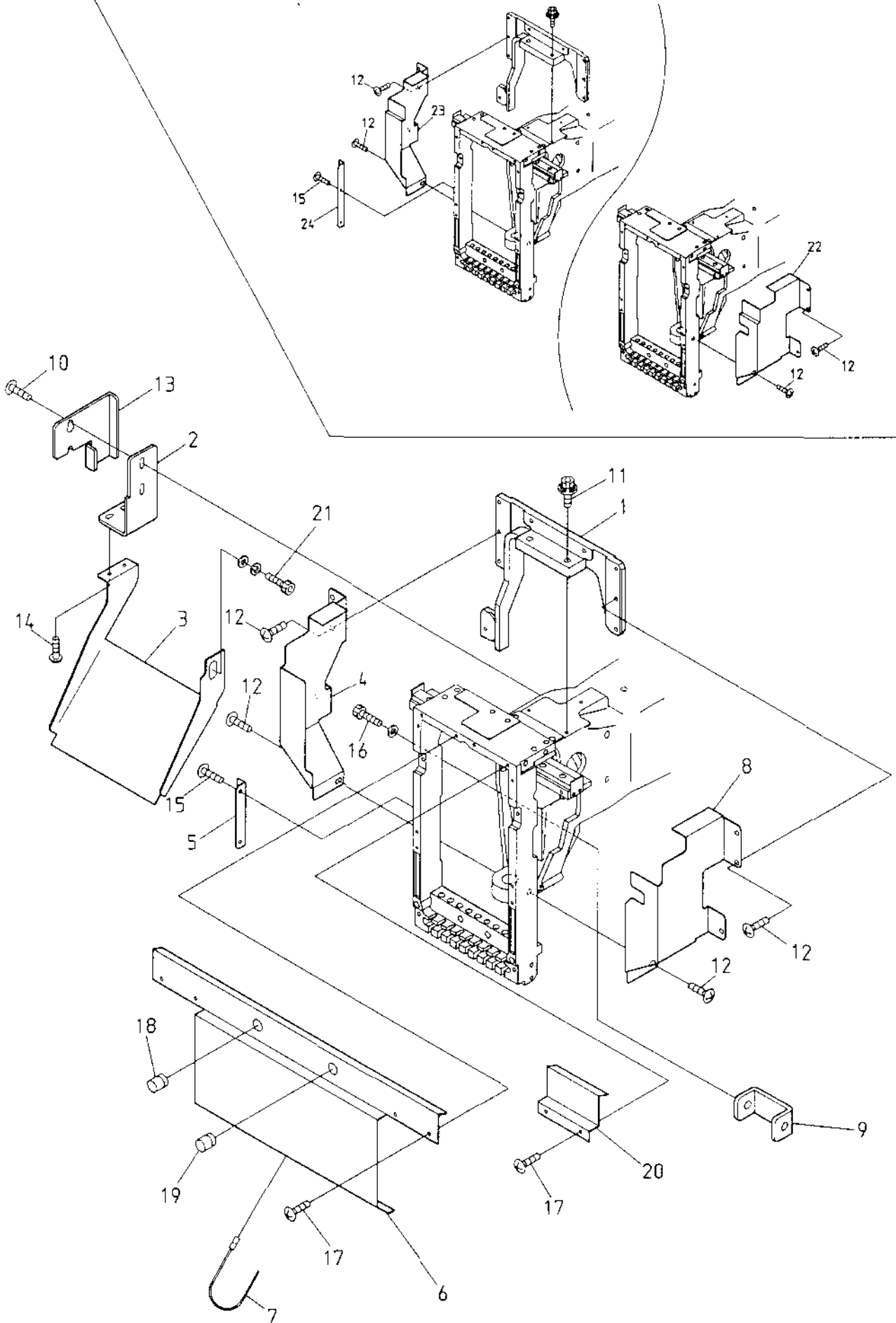


MODEL BEATME 9002-9004-9006-9008-ZN

⑳ Thread guide mechanism (Lower thread sensorium)

(H=Head Q'TY)

ITEM	LIST No.	DESCRIPTION	Q'TY	REMARK
1	HT240100	Lower thread sensorium sensor disc (YN)	H×9	
2	HT240250	Lower thread sensorium box case (YN)	H×1	
3	HT240270	Lower thread sensorium box case (YN)	H×1	
4	HT240280	Lower thread sensorium box base (YN)	H×1	
5	HT240290	Tension wheel	H×9	
6	HT240300	Thread guide pin	H×18	
7	HT240310	Tension wheel bearing	H×9	
8	KN540510	Tension wheel nut	H×9	
9	HT240340	Second tension unit complete	H×9	
10	EBN02186	2001 095 BEAT900 Lower thread sensorium sensor board (YN)	H×1	
11		Sensor cable		
12		Pan screw M3×6		
13		Tapping pan screw 3×8		
14		Hex. socket bolt M2×3		
15		Tapping pan screw 3×12		
16		Hex. socket truss screw M4×10		



MODEL BEATME 902-904-906-908-ZN





# I N D E X

L I S T	No.	P A G E No.	ITEM	L I S T	No.	P A G E No.	ITEM
1AKR025205201		3	1	A 9 0 1 1 1 1 0		6 5	2 3
1AKR045205201		5	1	A 9 0 1 1 1 1 0		6 9	1 3
1AKR065205201		7	1	A 9 0 1 1 1 1 0		7 1	1 2
1AKR085205201		9	1	A 9 0 1 1 1 1 1		6 7	1 4
1BKR025205200		3	2	A 9 0 1 1 1 1 1		7 3	8
1BKR045205200		5	2	A 9 0 1 1 1 1 1		7 5	8
1BKR065205200		7	2	A 9 0 1 1 1 1 5		3 1	1 6
1BKR085205200		9	2	A 9 0 1 1 1 3 1		5 3	2 3
1FKR025205200		5 5	1	A 9 0 1 1 1 3 2		5 3	2 5
1FKR045205200		5 7	1	A 9 0 1 2 0 0 2		4 3	5
1FKR065205200		5 9	1	A 9 0 1 2 0 0 7		2 1	3 4
1FKR085205200		6 1	1	A 9 0 1 2 0 0 7		2 5	2 6
1 J P 1 2 3 8 0		7 9	3	A 9 0 1 2 0 2 7		2 3	1 6
1 J P 1 5 3 8 0		7 9	3	A 9 0 1 2 0 3 2		3	2 1
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1KKR045205201		5	3	A 9 0 1 2 0 3 2		7	2 1
1KKR065205201		7	3	A 9 0 1 2 0 3 2		9	2 1
1KKR085205201		9	3	A 9 0 1 2 0 5 1		3 3	1 6
1 P K R 0 2 5 2 0		4 9	1 3	A 9 0 1 2 0 5 2		6 5	1 9
1 P K R 0 4 5 2 0		4 9	1 3	A 9 0 1 2 0 5 2		6 9	9
1 P K R 0 6 5 2 0		4 9	1 3	A 9 0 1 2 0 5 2		7 1	9
1 P K R 0 8 5 2 0		4 9	1 3	A 9 0 1 2 0 6 4		5 3	2 2
1WKR025205200		5 5	2	A 9 0 1 2 1 1 4		2 5	2 7
1WKR045205200		5 7	2	A 9 0 1 2 1 2 7		4 1	1 9
1WKR065205200		5 9	2	A 9 0 1 2 1 2 7		4 7	9
1WKR085205200		6 1	2	A 9 0 1 2 1 6 4		2 7	1 0
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2AKR045205201		5	4	A 9 0 1 2 1 9 0		3 1	8
2AKR065205201		7	4	A 9 0 1 2 2 0 8		4 7	1 5
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A 9 0 1 0 0 5 6		6 7	1 5	A 9 0 1 2 2 6 6		1 1	8
A 9 0 1 0 0 5 6		7 3	6	A 9 0 1 2 2 6 6		1 3	8
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# I N D E X

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A 9 0 2 0 1 4 5	7 5	1 1	E B N 0 1 8 2 0	7 3	1 0
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A 9 0 5 2 0 3 1	6 9	2 7	F R 6 0 0 5 2 8	5 3	2
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A 9 0 5 6 0 1 3	4 1	2 3	H B 2 3 0 3 8 3	3 1	9
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A 9 0 6 8 0 3 4	7 3	7	H B 2 4 0 0 4 1	3 3	8
A 9 0 6 8 0 3 4	7 9	2 8	H B 2 4 0 0 8 0	3 3	1 8
B K Y 5 1 0 0 1 0	7 9	1 3	H B 2 4 0 0 9 0	3 3	1 7
B K Y 5 1 0 0 2 0	7 9	1 3	H B 2 4 0 1 1 0	3 3	1 3
B K Y 5 1 0 0 3 0	7 9	1 3	H H 4 8 1 9 7 0	6 5	2 4
B K Y 5 1 0 0 4 0	7 9	1 3	H H 4 8 1 9 7 0	6 9	1 2
E A N 0 5 8 3 0 A 4	7 7	8	H H 4 8 1 9 7 0	7 1	1 1
E A N 0 5 8 A 2	7 7	7	H H 4 8 1 9 8 0	6 5	2 2
E A N 0 6 1 A 2	7 7	7	H H 4 8 1 9 8 0	6 9	1 5
E A N 0 6 3 A 2	7 7	7	H H 4 8 1 9 8 0	7 1	1 4
E B N 0 1 6 9 0	7 7	1 7	H H 4 8 1 9 9 1	6 5	1 6
E B N 0 1 7 0 0	7 7	1 6	H H 4 8 1 9 9 1	6 9	7
E B N 0 1 7 1 0	7 7	1 5	H H 4 8 1 9 9 1	7 1	7
E B N 0 1 7 2 0	7 7	1 4	H H 4 8 2 1 1 0	6 5	1 7
E B N 0 1 7 3 0	7 7	1 3	H H 4 8 2 1 1 0	6 9	1 0
E B N 0 1 7 5 0	7 7	1 2	H H 4 8 2 1 1 0	7 1	1 0

# I N D E X

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HP 3 2 1 1 4 0		2 1	4 3	HT 2 4 0 1 8 0		3 5	7
HP 3 2 1 1 4 0		6 7	6	HT 2 4 0 1 8 0		3 7	7
HP 3 2 1 1 4 0		7 3	3	HT 2 4 0 2 1 1		3 5	1 5
HP 3 2 1 1 4 0		7 5	3	HT 2 4 0 2 1 1		3 7	1 5
HP 4 8 2 9 5 0		6 3	5	HT 2 4 0 2 2 0		3 5	1 6
HP 4 8 2 9 5 0		6 5	5	HT 2 4 0 2 2 0		3 7	1 6
HP 4 8 2 9 5 0		6 9	1 9	HT 2 4 0 2 3 0		3 5	1 7
HP 4 8 3 1 1 1		6 9	1 8	HT 2 4 0 2 3 0		3 7	1 7
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HP 7 1 1 2 1 0		7 9	1	HT 2 4 0 2 7 0		8 1	3
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HS 4 6 0 2 0 0		5 3	4	HT 2 4 0 3 0 0		8 1	6
HS 4 6 0 2 1 0		5 3	7	HT 2 4 0 3 1 0		8 1	7
HS 7 3 0 0 0 0		5 3	1 0	HT 2 4 0 3 3 1		3 5	1 9
HT 2 3 0 0 4 1		2 9	3	HT 2 4 0 3 3 1		3 7	1 9
HT 2 3 0 0 5 1		2 9	7	HT 2 4 0 3 4 0		8 1	9
HT 2 3 0 0 9 0		2 7	6	HT 2 4 0 3 9 1		3 5	1 1
HT 2 3 0 1 0 0		2 7	7	HT 2 4 0 3 9 1		3 7	1 1
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HT 2 3 0 1 3 0		2 9	1	HT 2 4 0 5 2 3		3 7	1 4
HT 2 3 0 1 4 3		2 9	9	HT 2 7 0 0 6 2		4 1	1 1
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HT 2 3 0 2 0 1		3 1	1 0	HT 2 7 0 1 8 0		2 5	1 6
HT 2 3 0 2 2 0		3 3	4	HT 7 1 0 0 0 0		7 9	6
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HT 2 4 0 0 6 2		3 7	1 0	KB 2 3 0 1 0 0		2 7	1 1
HT 2 4 0 1 0 0		8 1	1	KB 2 3 0 1 1 0		2 7	1 2
HT 2 4 0 1 2 0		3 5	1	KB 2 4 0 0 4 0		3 3	1 2
HT 2 4 0 1 2 0		3 7	1	KB 2 5 0 0 5 0		7 3	1
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HT 2 4 0 1 5 0		3 5	4	KC 1 1 0 9 1 0		5	1 3
HT 2 4 0 1 5 0		3 7	4	KC 1 1 0 9 1 0		7	1 3
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# I N D E X

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KC 2 5 1 3 3 0		2 1	2 7	K F 2 5 0 2 4 1		4 1	4
KC 2 7 0 1 0 1		4 1	2 4	K F 2 5 0 2 5 0		4 1	2
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KC 2 7 1 0 0 1		2 5	1 2	K F 3 2 0 5 2 0		6 7	7
KC 2 7 1 0 2 1		2 5	1 1	K F 3 2 0 5 2 0		7 3	1 4
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KC 2 7 1 1 2 0		2 5	2 8	K F 5 3 0 1 2 0		7 7	4
KC 2 7 1 1 3 0		2 5	3 0	K F 5 3 0 1 5 1		7 7	6
KC 2 7 1 1 4 0		4 3	7	K F 5 3 0 1 6 0		7 7	1
KC 2 7 1 1 5 1		4 3	1 1	K F 5 3 0 1 7 1		7 7	2
KC 2 7 1 1 6 2		4 3	1 5	K G 7 1 0 1 6 1		7 9	2
KC 2 7 1 4 3 0		4 3	1 7	KK 1 4 0 0 0 0		3	1 4
KC 2 7 1 4 4 0		4 3	1	KK 1 4 0 0 0 0		5	1 4
KC 2 7 1 9 4 0		2 5	7	KK 1 4 0 0 0 0		7	1 4
KC 2 7 1 9 6 0		2 5	3	KK 1 4 0 0 0 0		9	1 4
KC 3 1 2 8 9 0		4 9	7	KK 1 4 0 0 1 0		1 9	2
KC 3 2 0 5 9 0		4 9	5	KK 1 4 0 0 2 0		3	1 9
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K F 2 3 0 2 4 0		2 9	2 7	KK 1 4 0 1 1 1		1 7	3
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K F 2 3 0 9 1 0		2 9	1 0	KK 1 4 0 1 6 0		9	1 7
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# I N D E X

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KK 1 4 0 2 0 1		1 1	7	KK 4 8 0 0 7 0		6 3	8
KK 1 4 0 2 0 1		1 3	7	KK 4 8 0 1 0 0		5 5	6
KK 1 4 0 2 0 1		1 5	7	KK 4 8 0 1 0 0		5 7	6
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KK 1 4 0 2 9 1		1 7	9	KL 2 2 0 0 8 0		2 1	1 2
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KK 4 6 0 0 4 0		5 3	1 4	KL 2 7 0 2 6 0		3 9	3
KK 1 6 0 0 5 0		5 3	9	KL 2 7 0 4 5 0		3 9	6
KK 1 6 0 0 6 1		5 3	1 1	KL 3 2 0 0 0 0		2 1	3 5
KK 1 6 0 0 7 0		5 3	1 2	KL 3 2 0 0 2 0		2 1	3 7
KK 1 6 0 0 8 0		5 3	1 5	KN 2 7 0 9 5 2		2 5	2 0
KK 1 6 0 0 9 0		5 3	1 3	KN 2 7 0 9 6 1		2 5	1 4
KK 4 6 0 1 2 0		5 3	2 1	KN 2 7 1 7 1 2		4 3	2 2
KK 4 6 0 1 3 0		5 3	8	KN 2 7 2 3 5 0		4 3	8

# I N D E X

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KN 3 1 0 0 1 0		5 1	2	KR 3 1 0 0 9 0		4 9	1
KN 3 1 5 1 1 0		5 1	9	KR 3 1 0 1 0 0		4 9	1 0
KN 4 5 0 3 0 0		6 5	1 3	KR 3 1 0 1 1 0		4 9	1 1
KN 4 5 0 3 0 0		6 9	2 6	KR 3 1 0 1 2 0		4 9	4
KN 4 5 0 3 1 1		6 9	2 1	KR 3 1 0 1 3 0		4 9	3
KN 4 8 0 0 6 1		6 5	9	KR 3 2 0 0 1 0		5 1	1 1
KN 4 8 0 0 6 1		6 9	4	KR 3 3 0 1 1 0		4 9	6
KN 4 8 0 0 6 1		7 1	4	<del>KR 3 3 0 1 6 0</del>		7 9	2 7
KN 4 8 3 4 5 0		6 9	2	KR 4 7 0 0 0 0		6 5	3 7
KN 4 8 3 4 5 0		7 1	2	KR 4 7 0 0 1 0		6 5	3 7
KN 5 1 1 0 2 0		4 9	9	KR 4 7 0 0 2 0		6 5	3 7
KN 5 4 0 5 1 0		8 1	8	KR 4 7 0 0 3 0		6 5	3 7
KP 3 2 1 1 4 0		4 9	2	KR 4 8 0 0 0 0		6 9	8
KR 1 4 0 0 0 0		3	8	KR 4 8 0 0 0 1		6 5	1 8
KR 1 4 0 0 0 0		5	8	KR 4 8 0 0 0 1		7 1	8
KR 1 4 0 0 0 0		7	8	KR 4 8 0 0 1 1		6 5	2 1
KR 1 4 0 0 0 0		9	8	KR 4 8 0 0 1 1		6 9	1 4
KR 1 4 0 0 1 0		3	6	KR 4 8 0 0 1 1		7 1	1 3
KR 1 4 0 0 1 0		5	6	KR 4 8 0 0 2 0		6 7	2
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KR 1 4 0 0 2 0		5	9	KR 4 8 0 0 3 0		6 9	2 0
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KR 1 4 0 0 2 0		9	9	KR 4 8 0 0 4 0		6 7	1 1
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KR 1 4 0 0 3 0		5	1 0	KR 4 8 0 0 4 0		7 5	1 3
KR 1 4 0 0 3 0		7	1 0	KR 4 8 0 0 5 0		6 5	2 0
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KR 1 4 0 0 4 0		3	7	KR 4 8 0 0 6 0		6 5	1 5
KR 1 4 0 0 4 0		5	7	KR 4 8 0 0 6 0		6 9	5
KR 1 4 0 0 4 0		7	7	KR 4 8 0 0 6 0		7 1	5
KR 1 4 0 0 4 0		9	7	KR 4 8 0 0 7 0		6 9	2 8
KR 1 4 0 0 5 0		3	1 6	KR 4 8 0 0 8 0		6 7	3
KR 1 4 0 0 5 0		5	1 9	KR 4 8 0 0 8 0		7 3	4
KR 1 4 0 0 5 0		7	1 9	KR 4 8 0 0 8 0		7 5	4
KR 1 4 0 0 5 0		9	1 9	KR 4 8 0 0 9 0		6 7	1 3
KR 1 4 0 0 6 0		1 1	1 1	KR 4 8 0 0 9 0		7 3	9
KR 1 4 0 0 6 0		1 3	1 1	KR 4 8 0 0 9 0		7 5	9
KR 1 4 0 0 6 0		1 5	1 1	KR 4 8 0 1 0 0		6 7	1 6
KR 1 6 0 0 3 0		1 1	4	KR 4 8 0 1 0 0		7 3	7
KR 3 1 0 0 0 0		5 1	1	KR 4 8 0 1 0 0		7 5	7

# I N D E X

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K R 4 8 0 1 1 1		6 7	8	K U 3 1 5 2 5 0		5 1	1 4
K R 4 8 0 1 2 1		6 7	1 0	K U 4 6 0 2 7 0		6 5	1 0
K R 4 8 0 1 2 1		7 3	1 2	K U 4 6 0 2 7 0		6 9	2 5
K R 4 8 0 1 2 1		7 5	1 2	K V 3 1 0 0 4 0		5 1	3
K R 4 8 0 1 3 0		5 5	9	K V 3 1 0 0 5 0		5 1	4
K R 4 8 0 1 3 0		5 7	9	K V 3 1 0 0 5 0		5 1	6
K R 4 8 0 1 3 0		5 9	9	K V 3 1 0 0 7 0		5 1	1 0
K R 4 8 0 1 3 0		6 1	9	K V 3 1 0 0 9 0		5 1	7
K R 4 8 0 1 4 0		7 3	1	K V 3 1 0 1 1 0		5 1	5
K R 4 8 0 1 4 0		7 5	1	K X 2 1 0 0 0 0		2 3	6
K R 4 8 0 1 5 0		6 7	1	K X 2 1 0 0 1 0		2 1	2 5
K R 4 8 0 1 6 0		6 5	3	K X 2 3 0 0 0 0		2 9	1 4
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K R 4 8 0 1 8 0		6 7	4	K X 2 3 0 0 5 0		2 9	2 4
K R 4 8 0 1 9 0		7 3	5	K X 2 3 0 0 6 0		2 9	1 9
K R 4 8 0 1 9 0		7 5	5	K X 2 3 0 0 7 0		2 7	4
K R 4 8 0 2 0 0		6 7	5	K X 2 3 0 0 8 0		2 9	2 6
K R 4 8 0 2 1 0		6 9	1	K X 2 3 0 0 9 0		2 7	1
K R 4 8 0 2 1 0		7 1	1	K X 2 3 0 1 0 0		3 3	3
K R 4 8 0 2 2 0		6 9	1 6	K X 2 3 0 1 1 0		2 7	1 8
K R 4 8 0 2 3 0		6 3	2	K X 2 3 0 1 2 0		2 7	1 7
K R 4 8 0 2 4 0		6 5	2	K X 2 3 0 1 3 0		2 7	1 4
K R 4 8 0 2 5 0		5 5	7	K X 2 3 0 1 4 0		2 7	1 5
K R 4 8 0 2 5 0		5 7	7	K X 2 3 0 1 5 0		2 7	1 6
K R 4 8 0 2 5 0		5 9	7	K X 2 3 0 1 6 0		2 7	2
K R 4 8 0 2 5 0		6 1	7	K X 2 3 0 1 7 0		4 7	2
K R 4 8 0 2 6 0		6 5	1	K X 2 3 0 1 8 0		2 9	1 5
K R 4 8 0 2 7 0		5 5	8	K X 2 3 0 1 9 0		2 9	2 2
K R 4 8 0 2 7 0		5 7	8	K X 2 3 0 2 0 0		2 7	1 9
K R 4 8 0 2 7 0		5 9	8	K X 2 3 0 2 1 0		3 1	1 2
K R 4 8 0 2 7 0		6 1	8	K X 2 3 0 2 2 0		2 9	2 1
K R 4 8 0 2 8 0		6 9	3	K X 2 3 0 2 3 0		3 1	3
K R 4 8 0 2 8 0		7 1	3	K X 2 3 0 2 4 0		3 1	2
K R 4 8 0 2 9 0		6 5	6	K X 2 3 0 2 5 0		2 9	8
K R 4 8 0 3 3 0		5 5	5	K X 2 3 0 2 6 0		2 9	4 1
K R 4 8 0 3 3 0		5 7	5	K X 2 3 0 2 7 0		2 7	3
K R 4 8 0 3 3 0		5 9	5	K X 2 3 0 2 7 0		2 9	4 3
K R 4 8 0 3 3 0		6 1	5	K X 2 3 0 2 8 0		4 7	1
K R 4 9 0 0 0 0		6 9	1 1	K X 2 3 0 3 0 0		2 9	4 2
K S 2 7 0 0 3 0		1 3	1 0	K X 2 3 0 3 1 0		2 7	3 0



# I N D E X

L I S T	No.	P A G E No.	ITEM	L I S T	No.	P A G E No.	ITEM
K X 2 4 0 0 0 0		3 5	2 1	K X 2 7 0 3 0 0		4 1	2 2
K X 2 4 0 0 0 0		3 7	2 1	K X 2 7 0 3 1 0		4 1	2 0
K X 2 4 0 0 1 0		3 5	2 0	K X 2 7 0 3 2 0		4 1	1 7
K X 2 4 0 0 1 0		3 7	2 0	K X 2 7 0 3 3 0		4 1	2 5
K X 2 4 0 0 2 0		2 7	2 0	K X 2 7 0 3 4 0		4 1	1 3
K X 2 4 0 0 3 0		3 5	9	K X 2 7 0 3 5 0		4 1	2 1
K X 2 4 0 0 3 0		3 7	9	K X 2 7 0 3 6 0		4 1	1 6
K X 2 4 0 0 4 0		3 3	2	K X 2 7 0 3 7 0		3 9	1 3
K X 2 4 0 0 5 0		3 3	1 4	K X 3 3 0 0 0 0		<del>7</del> 383	6
K X 2 4 0 0 6 0		3 5	1 3	K X 3 3 0 0 1 0		3 1	4
K X 2 4 0 1 5 0		3 5	3 3	K X 3 3 0 0 2 0		3 1	1
K X 2 4 0 1 5 0		3 7	3 5	K X 3 3 0 0 6 0		4 5	9
K X 2 5 0 0 0 0		2 3	5	K X 3 3 0 0 7 0		4 5	1 2
K X 2 5 0 0 1 0		2 3	1 5	K X 3 3 0 0 8 0		4 5	1 6
K X 2 5 0 0 2 0		2 7	2 8	K X 3 3 0 0 9 0		4 5	7
K X 2 5 0 0 3 0		2 7	2 9	K X 3 3 0 1 1 0		4 5	1 0
K X 2 5 0 0 4 0		7 3	8	K X 3 3 0 1 2 0		4 5	8
K X 2 5 0 0 5 0		7 3	4	K X 3 3 0 1 3 0		4 5	1
K X 2 5 0 0 6 0		7 5	2 0	K X 3 3 0 1 4 0		4 5	1 1
K X 2 5 0 0 7 0		7 3	5	K X 3 3 0 1 6 0		4 7	7
K X 2 5 0 0 8 0		2 3	2 3	K X 3 3 0 1 7 0		4 7	5
K X 2 5 0 0 8 0		2 5	1 8	K X 3 3 0 1 8 0		4 5	1 7
K X 2 5 0 1 0 0		4 7	2 7	K X 3 3 0 1 9 0		4 5	1 8
K X 2 5 0 1 1 0		3 7	3 3	K X 3 3 0 2 0 0		4 7	1 2
K X 2 5 0 1 4 0		7 5	2 2	K X 3 3 0 2 1 0		4 7	1 3
K X 2 5 0 1 5 0		7 5	2 3	K X 3 3 0 2 2 0		4 7	1 1
K X 2 5 0 1 6 0		7 5	2 4	K X 3 3 0 2 3 0		4 7	1 0
K X 2 7 0 0 0 0		2 5	2 3	K X 3 3 0 2 4 0		4 7	6
K X 2 7 0 0 1 0		2 5	1 9	K X 3 3 0 2 5 0		4 5	4
K X 2 7 0 0 2 0		2 5	1 3	K X 3 3 0 2 6 0		4 7	1 7
K X 2 7 0 0 3 0		2 5	2 9	K X 3 3 0 2 7 1		4 5	5
K X 2 7 0 0 5 0		3 9	1 2	K X 3 3 0 2 8 0		4 7	3
K X 2 7 0 0 6 0		3 9	1 5	K X 3 3 0 2 9 0		4 7	4
K X 2 7 0 0 7 0		3 9	1 4	K X 3 3 0 3 0 0		4 7	1 6
K X 2 7 0 0 8 0		4 1	1 2	K X 3 3 0 3 1 0		<del>7</del> 383	6
K X 2 7 0 0 9 0		4 1	9	K X 3 3 0 4 0		4 7	2 4
K X 2 7 0 1 0 0		4 1	8	K X 3 3 0 3 2 0		3 7	2
K X 2 7 0 1 2 0		4 1	1 0	K X 3 3 0 3 3 0		3 7	1 3
K X 2 7 0 2 2 0		3 9	1 6	K X 5 1 0 0 1 0		7 9	1 0
K X 2 7 0 2 3 0		4 1	1	K X 5 1 0 0 2 0		7 9	8
K X 2 7 0 2 5 0		7 3	3	K X 7 9 0 0 0 0		4 7	3 0
K X 2 7 0 2 6 0		7 3	2	K X 7 9 0 0 1 0		5 1	2 6
K X 2 7 0 2 7 0		7 5	9	M A 1 4 0 3 2 0		3	1 7
K X 2 7 0 2 8 0		2 5	1	M A 1 4 0 3 2 0		5	1 8
K X 2 7 0 2 9 0		4 1	1 8	M A 1 4 0 3 2 0		7	1 8

