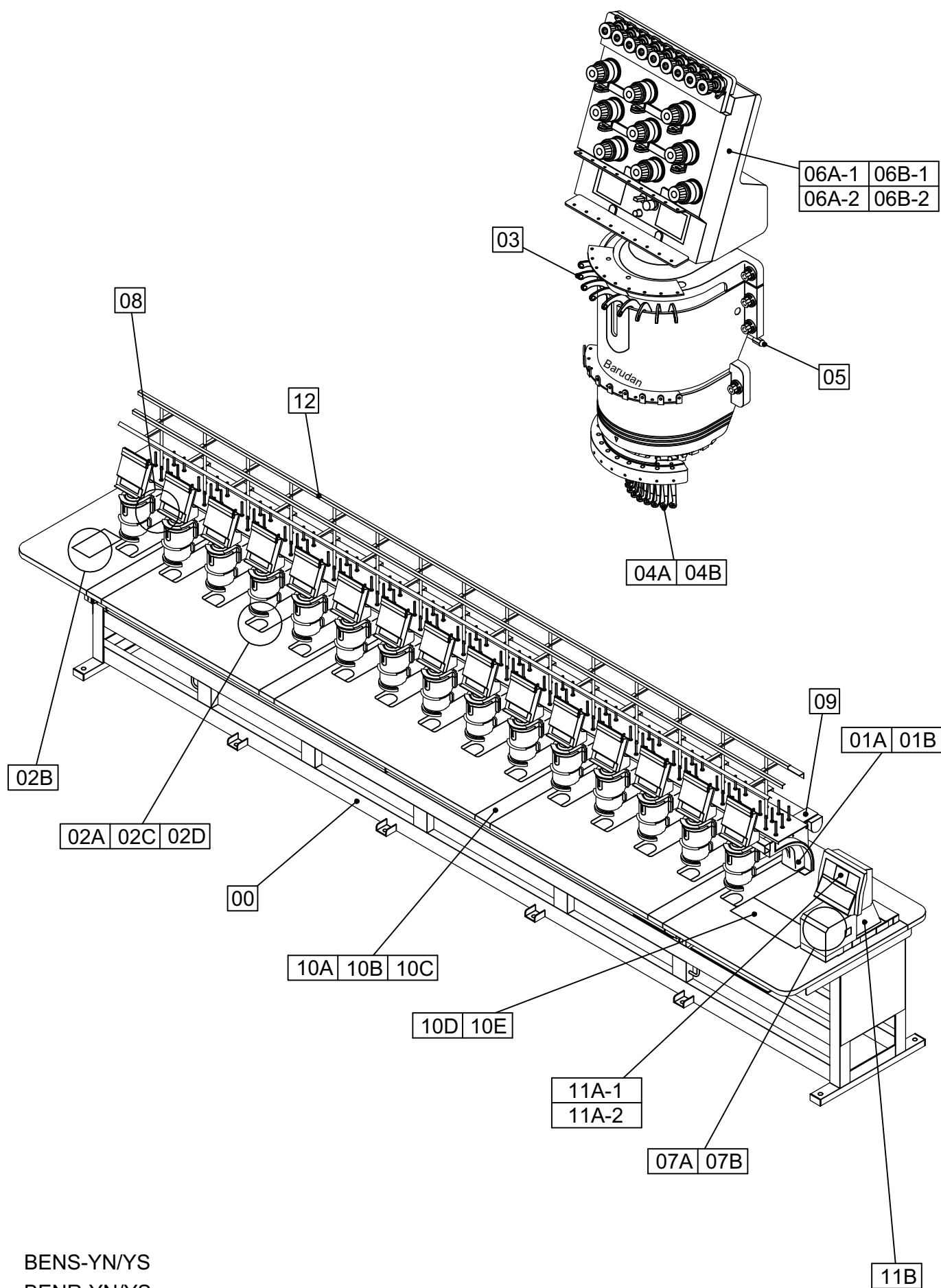


Barudan

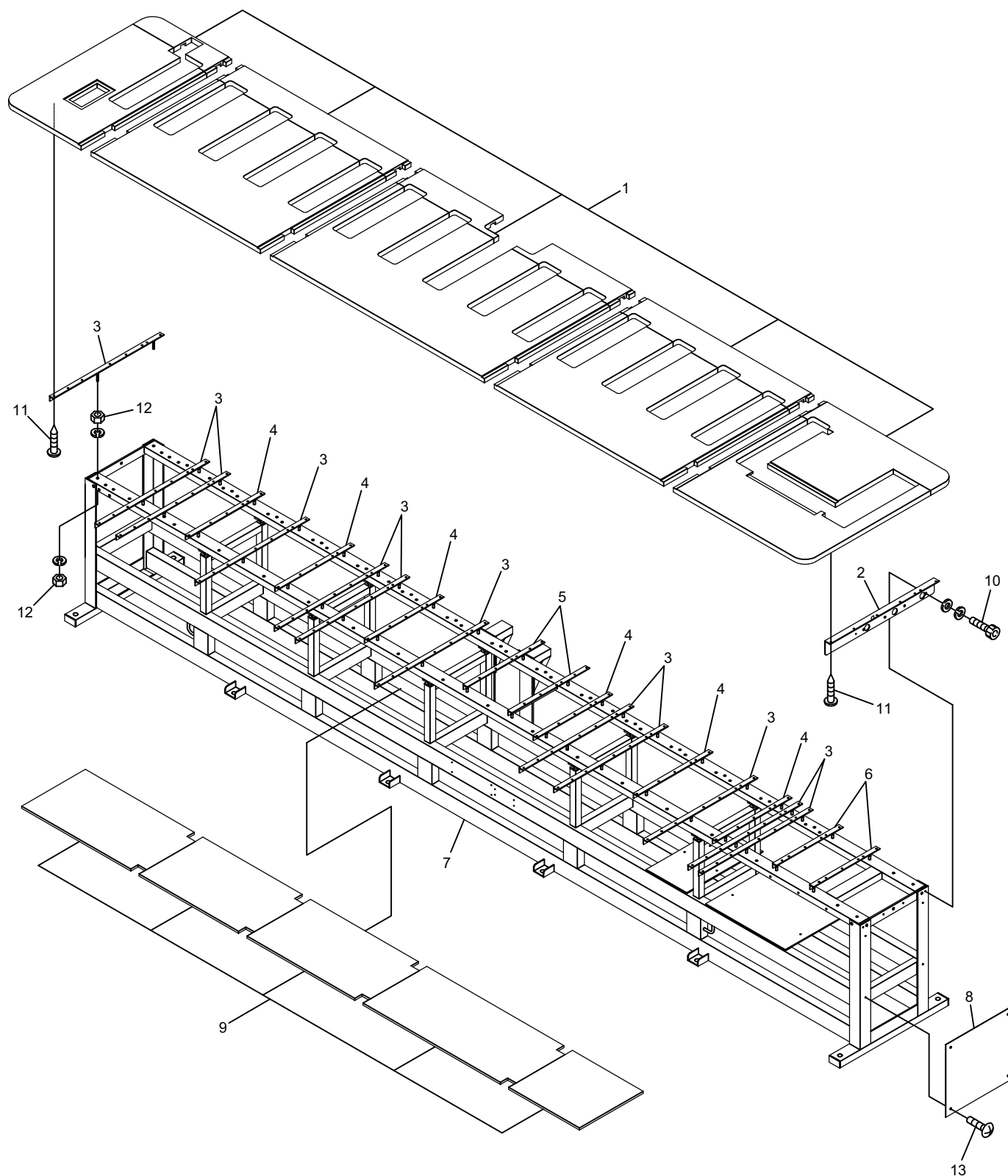
HIGH SPEED AUTOMATIC EMBROIDERY MACHINE

BENS-YN/YS

PARTS LIST

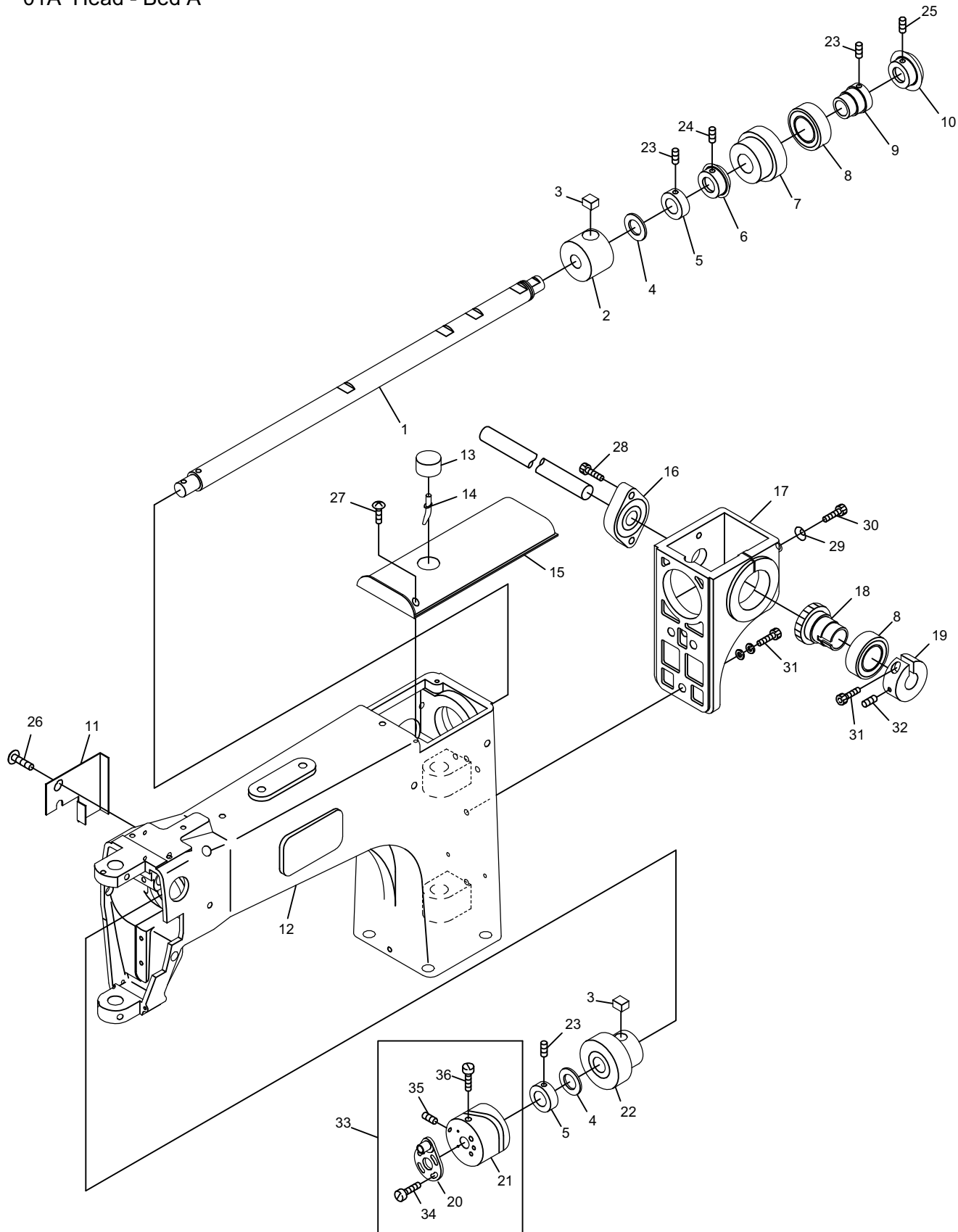


BENS-YN/YS
BENR-YN/YS



BENS-YN/YS
BENR-YN/YS

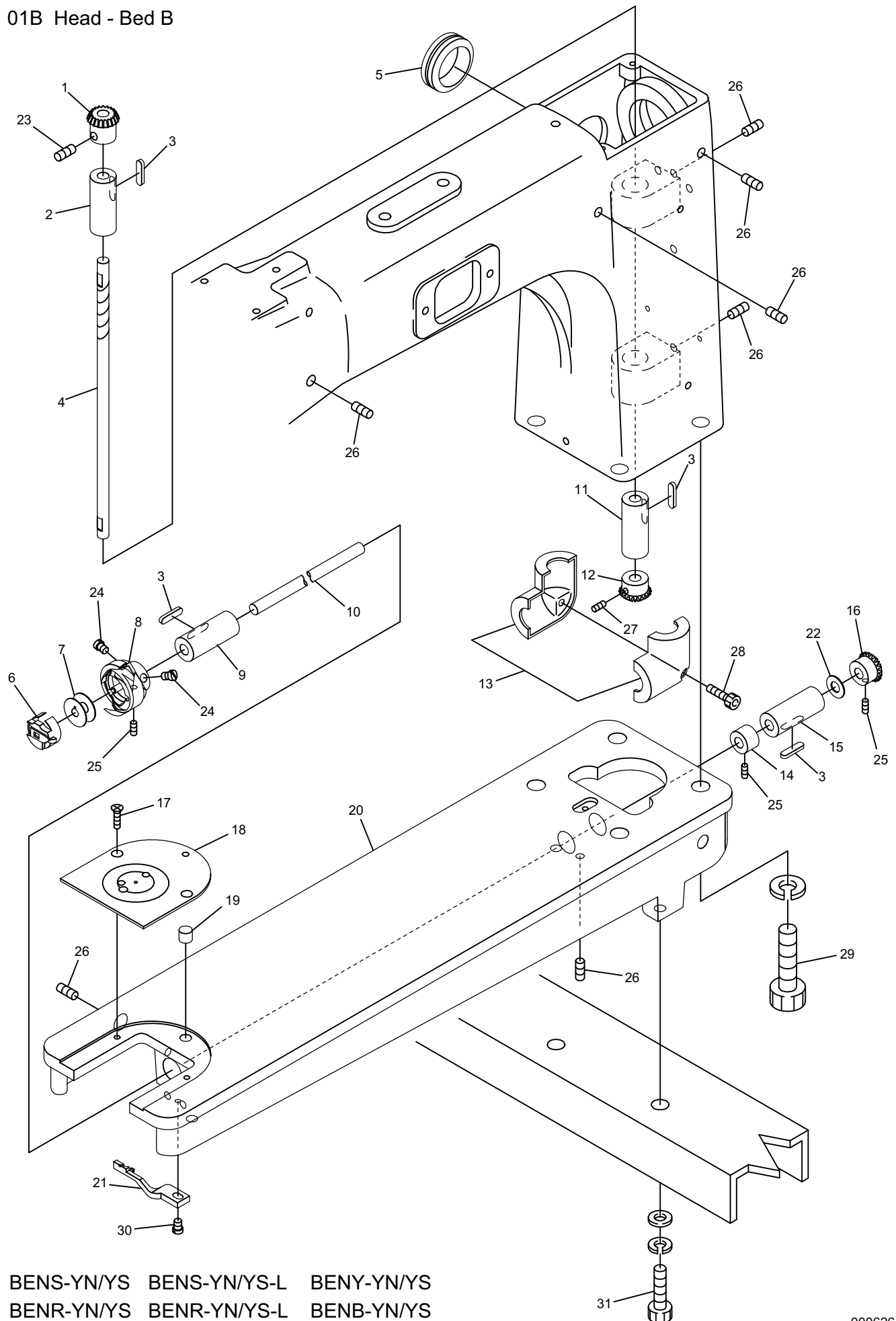
[illegible]



BENS-YN/YS BENS-YN/YS-L BENY-YN/YS BENSME-YN/YS BENYME-YN/YS
 BENR-YN/YS BENR-YN/YS-L BENB-YN/YS BENRME-YN/YS BENBME-YN/YS

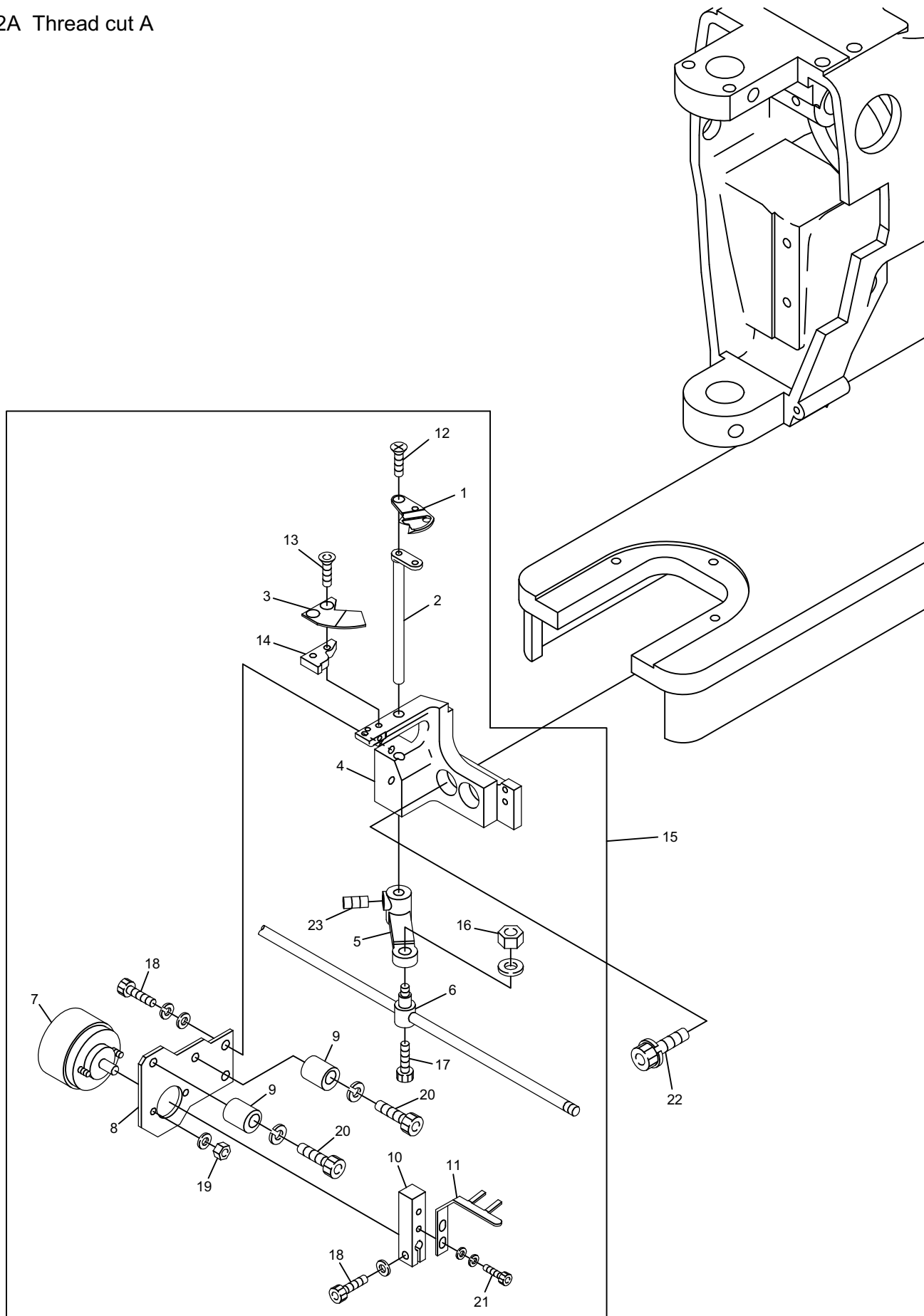
ITEM	LIST NO.	DESCRIPTION	Q'TY	NOTE
1	KL220000	Upper shaft	H×1	
2	KL220030	Upper shaft middle metal	H×1	
3	KL220130	Oil felt B	H×2	
4	HP231390	Thrust washer(Upper shaft gear)	H×2	
5	KL220080	Upper shaft collar	H×2	
6	KF220130	Bevel gear(Upper shaft)	H×1	
7	KL220040	Upper shaft rear bearing case	H×1	
8	A9010017	Bearing(6004ZZ)	H×2	
9	KL220090	Upper shaft rear bearing collar	H×1	
10	KL220100	Upper shaft gear(Spiral bevel M1.5-25R)	H×1	
11	KL250051	Arm side cable cover	H×1	
12	KB210160	Arm	H×1	
13	KL220150	Oil felt D	H×1	
14	KC251330	Oil core L=75	H×1	
15	KL250040	Arm top cover	H×1	
16	HP321140	Upper shaft connecting shaft unit	H×1	
17	KL210140	Arm gear case	H×1	
18	KL320000	Connecting gear(Spiral bevel M1.5-25L)	H×1	
19	KL320020	Connecting gear clamp f19	H×1	
20	KB230050	90°crank	H×1	
21	KB230030	Take up lever cam K6	H×1	For small bobbin
	KB230040	Take up lever cam L1	H×1	For middle bobbin
22	KL220022	Upper shaft front metal	H×1	
23		Hex.socket set screw M6×6		
24		Screw(SM1/4 40×4)		
25		Hex.socket set screw M6×6(With adhesion)		
26		Binding screw M4×8		
27		Truss screw M4×10		
28		Hex.socket bolt M6×35(Spring washer)		
29		Disk spring M6	1	
30		Hex.socket bolt M6×60	H×1	
31		Hex.socket bolt M6×25		
32		Hex.socket set screw M6×10		
33	KB230011	Take up lever cam K6 90°(9°inclination)	H×1	For small bobbin
	KB230021	Take up lever cam L1 90°(9°inclination)	H×1	For middle bobbin
34	A9012007	Screw(SM11/64 40×10)	H×1	
35		Screw		
		(SM11/64 28×10) lock		
36	KF230420	Take up lever cam set screw	H×1	

01B Head - Bed B



BENS-YN/YS BENS-YN/YS-L BENY-YN/YS
 BENR-YN/YS BENR-YN/YS-L BENB-YN/YS

000626

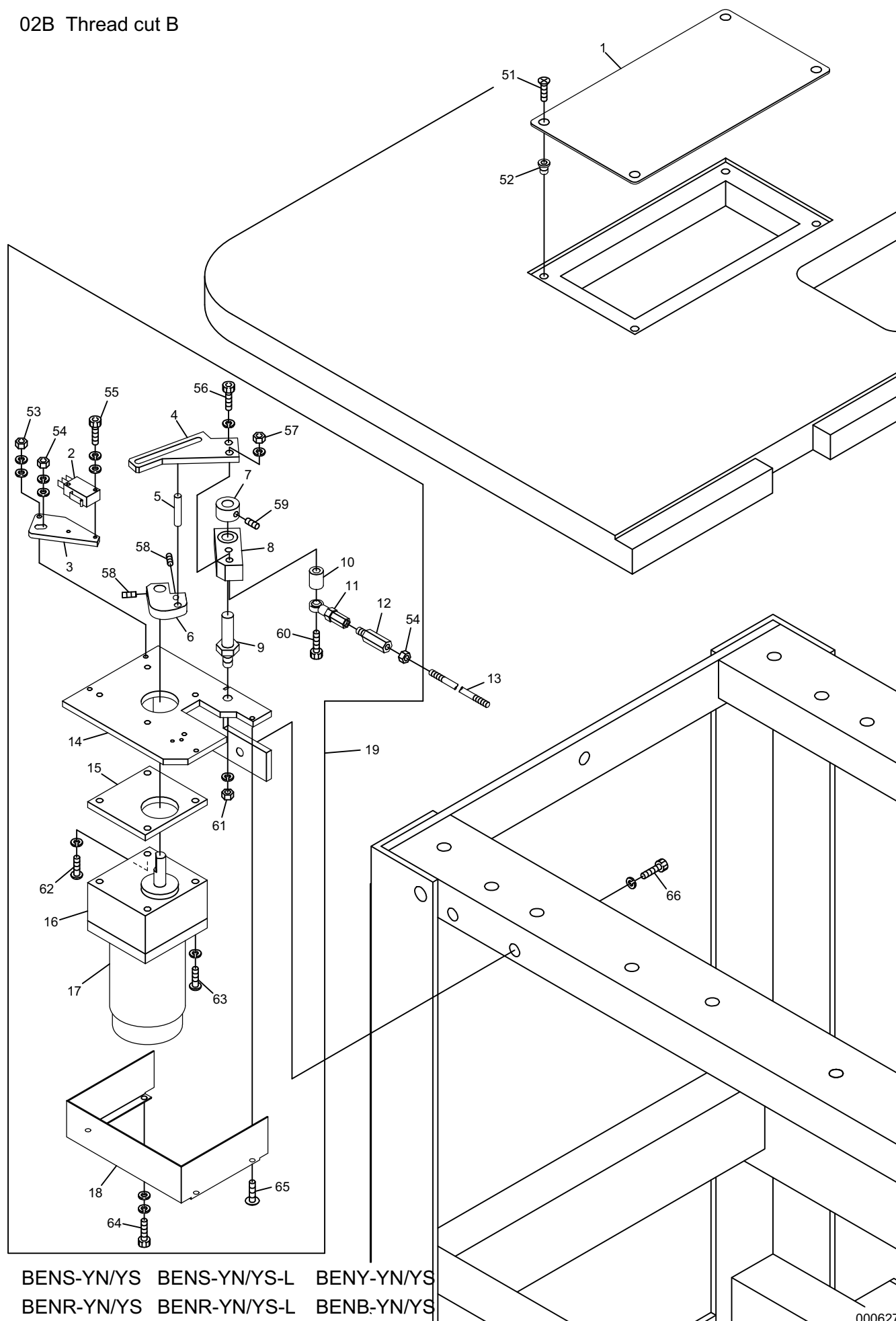


BENS-YN/YS BENS-YN/YS-L BENY-YN/YS
 BENR-YN/YS BENR-YN/YS-L BENB-YN/YS

02A Thread cut A

[illegible]

02B Thread cut B

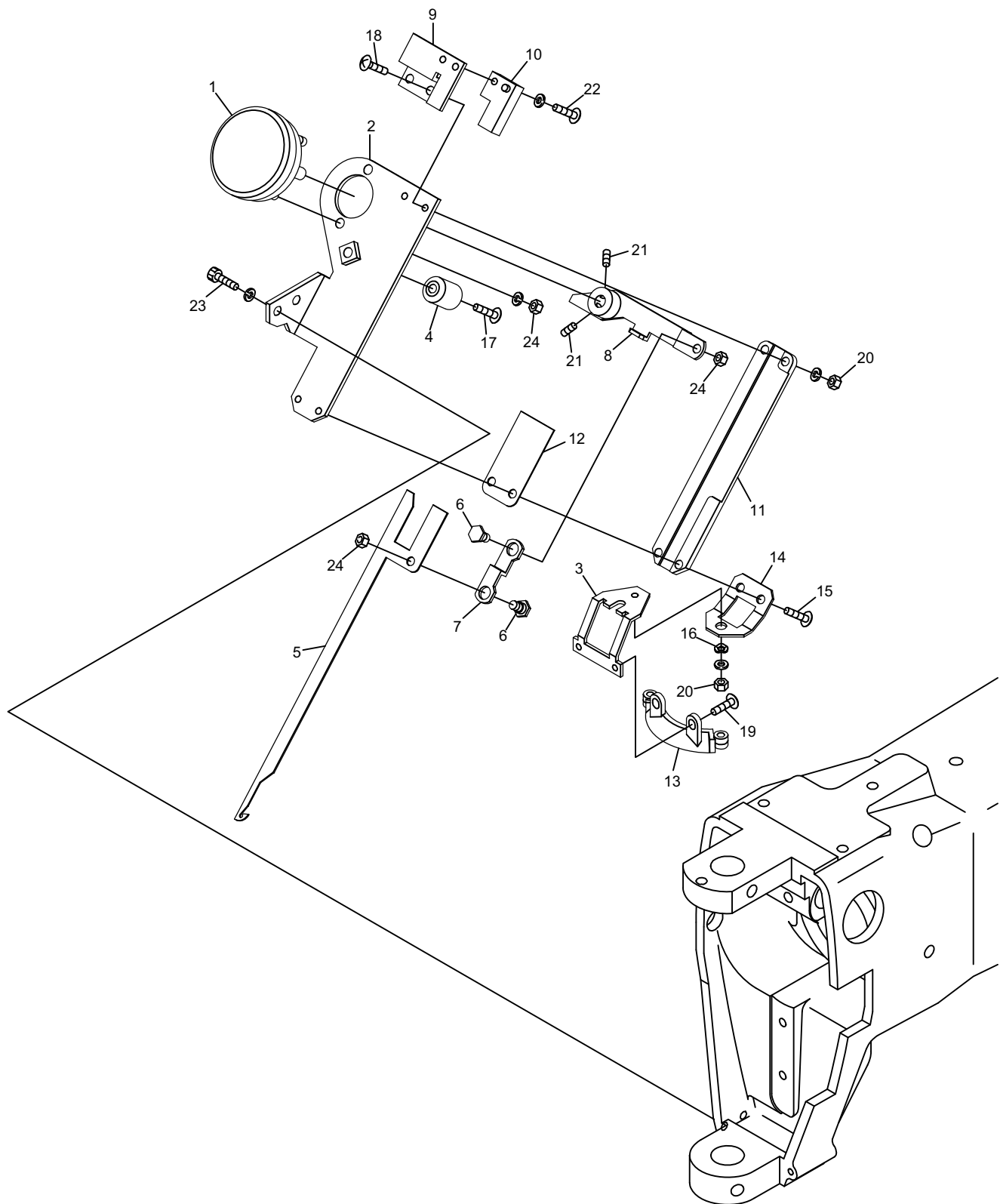


BENS-YN/YS BENS-YN/YS-L BENY-YN/YS
 BENR-YN/YS BENR-YN/YS-L BENB-YN/YS

000627

02B THREAD CUT B

[illegible]

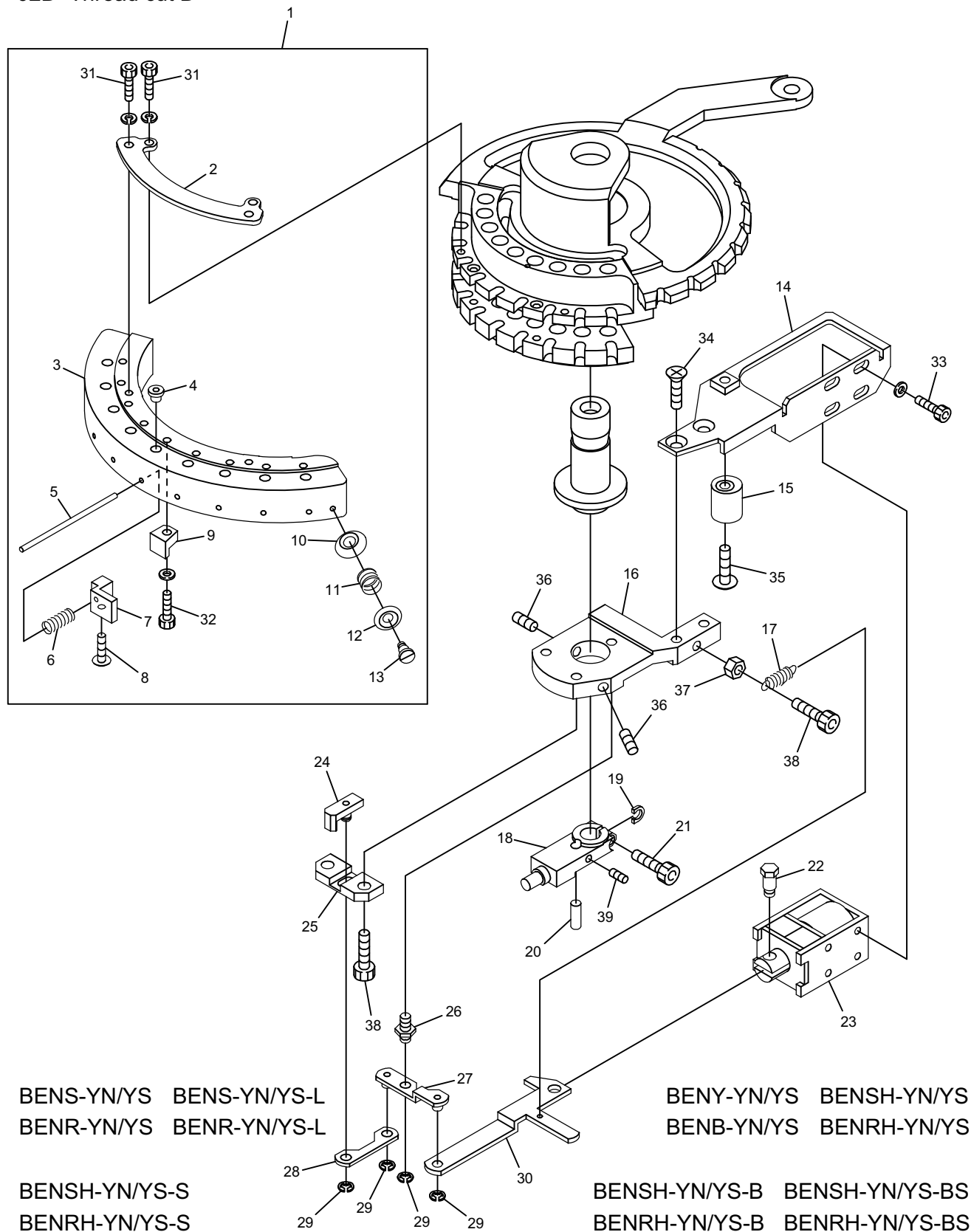


BENS-YN/YS BENS-YN/YS-L BENY-YN/YS BENSME-YN/YS BENYME-YN/YS
 BENR-YN/YS BENR-YN/YS-L BENB-YN/YS BENRME-YN/YS BENBME-YN/YS

02C THREAD CUT C

[illegible]

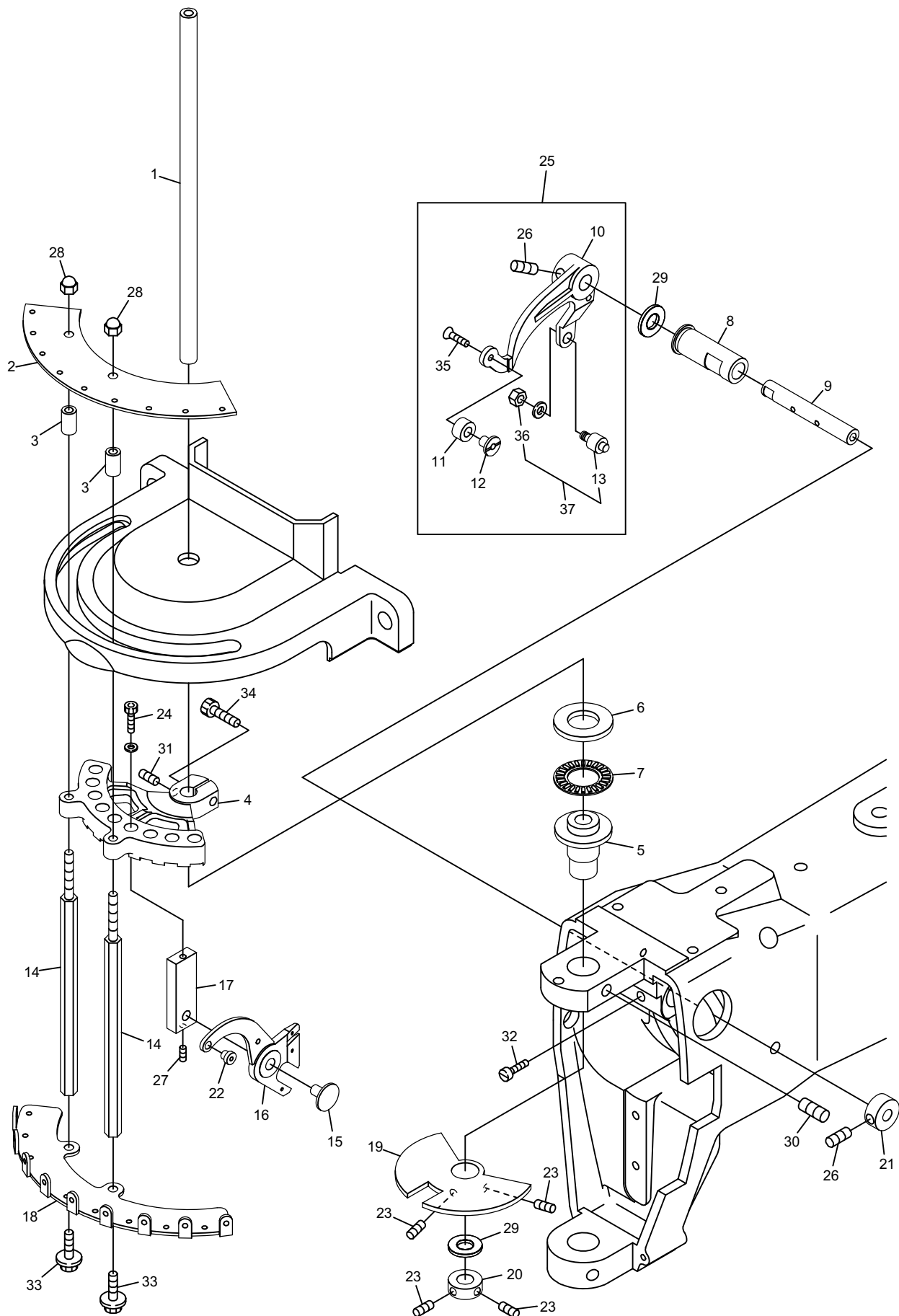
02D Thread cut D



02D THREAD CUT D

ITEM	LIST NO.	DESCRIPTION	Q'TY	NOTE
1	HT270030	Thread support apron a'ssy(YN)	H×1	YN
	HT270140	Thread support apron a'ssy(YS-2)	H×1	YS
2	HT270010	Thread support apron fixing stay	H×1	
3	HT270001	Thread support apron(YN)	H×1	YN
	HT270150	Thread support apron(YS-2)	H×1	YS
4	KF230582	Thread way guide(For thread support apron)		YN...H×9,YS...H×7
5	HT270040	Thread support shaft		YN...H×9,YS...H×7
6	KC270271	Support spring		YN...H×9,YS...H×7
7	HT270021	Thread support clamp		YN...H×9,YS...H×7
8	HT270063	Thread support clamp set screw(YN)		YN...H×9,YS...H×7
9	KC270292	Thread support block		YN...H×9,YS...H×7
10	KF250220	Thread guard disk	H×2	
11	KF250241	Thread hook support spring	H×2	
12	KF250231	Thread guard spring pressure	H×2	
13	KF250250	Thread hook support shaft screw	H×2	
14	KL270070	Solenoid stay	H×1	
15	KN272401	Stopper eccentric	H×1	
16	KL270000	Fixing base	H×1	
17	KL270520	Return spring	H×1	
18	HT230361	Drive shaft fixing plate	H×1	
19	HT230830	Washer for drive shaft fixing plate	H×1	
20	HT230350	Thread guard disk fixing pin	H×1	
21	HT230640	Drive shaft fixing clamp bolt	H×1	
22	KC270101	Solenoid pin	H×1	
23	A9056037	Keep solenoid TDS-K10SL(With cover)	H×1	
24	HT270120	Thread support slider	H×1	
25	HT270100	Slide base	H×1	
26	KL270040	Lever rotary shaft	H×1	
27	HT270090	Solenoid lever	H×1	
28	HT270080	Drive plate	H×1	
29	A9012127	E-ring f3	H×4	
30	KL270060	Lever connecting plate	H×1	
31		Hex.socket bolt(Plating) M3×6 (With spring washer)		
32		Hex.socket bolt M3×10(With plain washer)		
33		Hex.socket bolt M3×6		
34		Flush screw M4×8		
35		Truss screw M4×16		
36		Hex.socket set screw M4×8		
37		Hex.nut M4		
38		Hex.socket bolt M4×8		
39		Set screw M3×5		

03 Take up lever

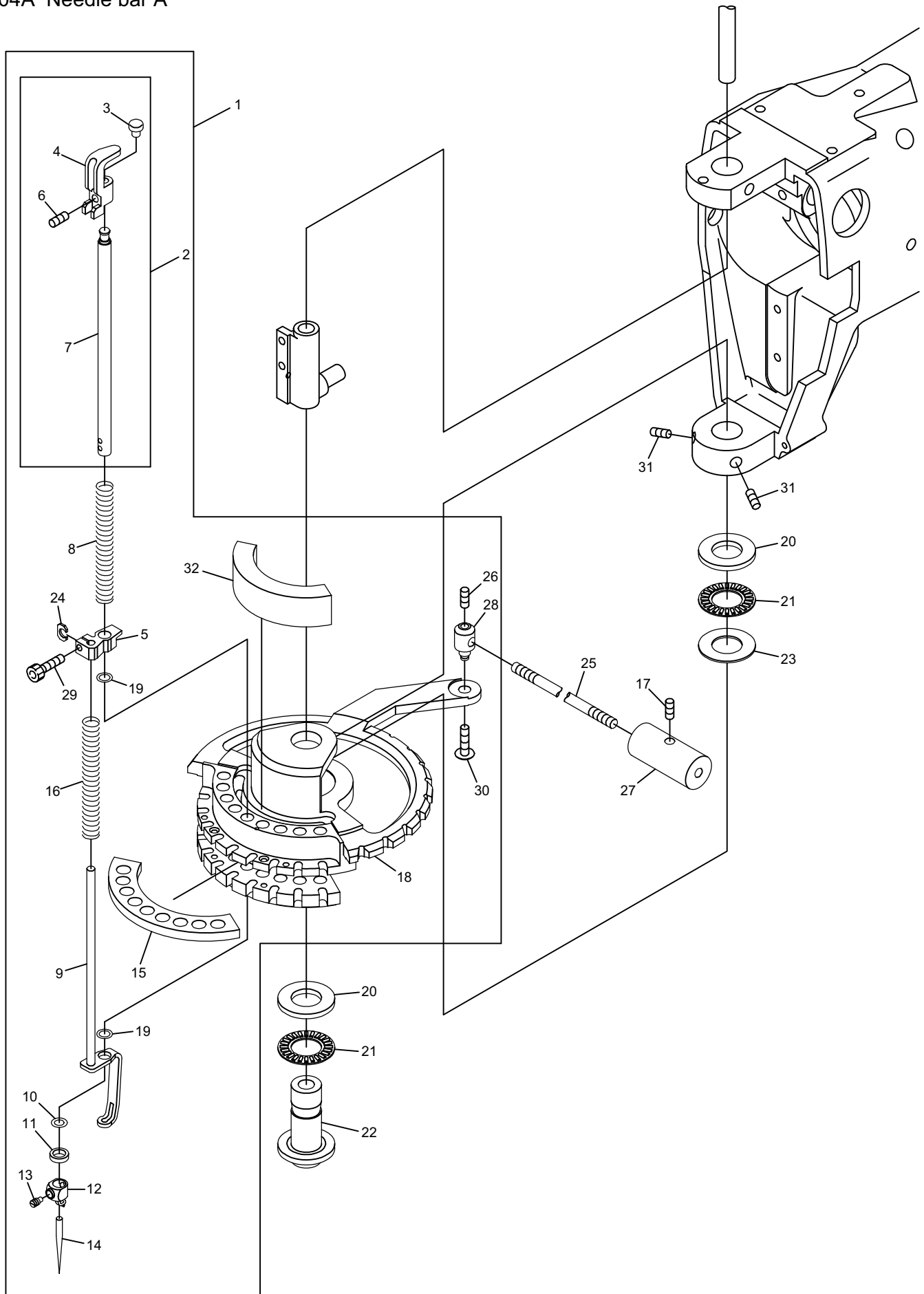


BENS-YN/YS BENS-YN/YS-L BENY-YN/YS
BENR-YN/YS BENR-YN/YS-L BENB-YN/YS

03 TAKE UP LEVER

ITEM	LIST NO.	DESCRIPTION	Q'TY	NOTE
1	KS230010	Driving shaft	H×1	
2	HT240000	Thread guide plate	H×1	
3	KB240021	Thread guide fixing collar	H×2	
4	KT230020	Take up fixing bracket	H×1	
5	KB230090	Driving shaft upper metal	H×1	
6	A9011152	Thrust needle bearing inner ring(WS1528)	H×1	
7	A9011021	Thrust needle bearing NTB-1528	H×1	
8	KB230100	Take up lever driving shaft metal	H×1	
9	KB230110	Take up lever driving shaft	H×1	
10	KT230032	Take up lever driving lever	H×1	
11	HT230090	Take up lever driving roller	H×1	
12	HT230100	Take up lever driving roller shaft	H×1	
13	KF230680	Cam followers(KR×4×7.9×15-1P×1)	H×1	
14	KB240010	Thread guide fixing rod	H×2	
15	HT230080	Take up lever shaft		YN...H×9, YS...H×7
16	KT230041	Take up lever a'ssy(YN multi)		YN...H×9, YS...H×7
17	KT230010	Take up lever base		YN...H×9, YS...H×7
18	HT240010	Thread guard	H×1	
19	KT230000	Take up lever stocker	H×1	
20	HB230160	Driving shaft set collar	H×1	
21	HB230270	Needle bar driving lever fixing pin set collar	H×1	
22	HB230751	Take up lever thread guide		YN...H×9, YS...H×7
23		Hex.socket set screw M4×4(With adhesion)		
24		Hex.socket bolt M3×14		
25	KT230052	Take up lever drive lever a'ssy	H×1	
26		Hex.socket set screw M5×6(With adhesion)		
27		Hex.socket set screw M3×4(With adhesion)		
28		Cap nut M4		
29	A9012164	Thrust washer(R-TW0851)	H×2	
30		Hex.socket set screw M6×6		
31		Hex.socket set screw M4×5(Cone point)		
32		Screw(SM11/64×11)		
33		Hex.socket bolt M4×6(With plain washer)		
34		Hex.socket bolt M4×15		
35	HB230650	Flush screw(With adhesion)	H×1	
36		Hex.nut M4(With spring washer)		
37	KF230501	Take up lever roller a'ssy	H×1	

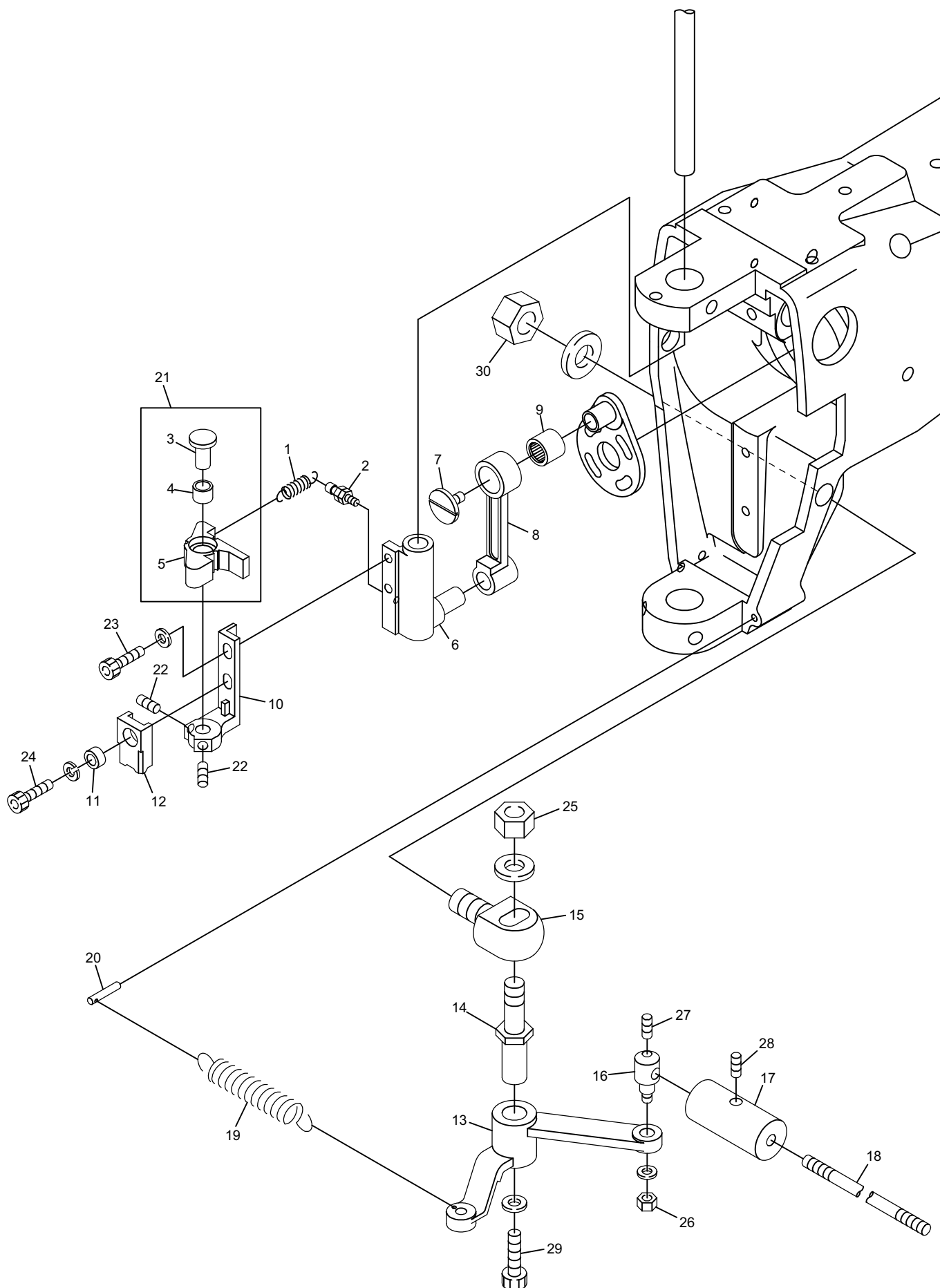
04A Needle bar A



BENS-YN/YS BENY-YN/YS
BENR-YN/YS BENB-YN/YS

04A NEEDLE BAR A

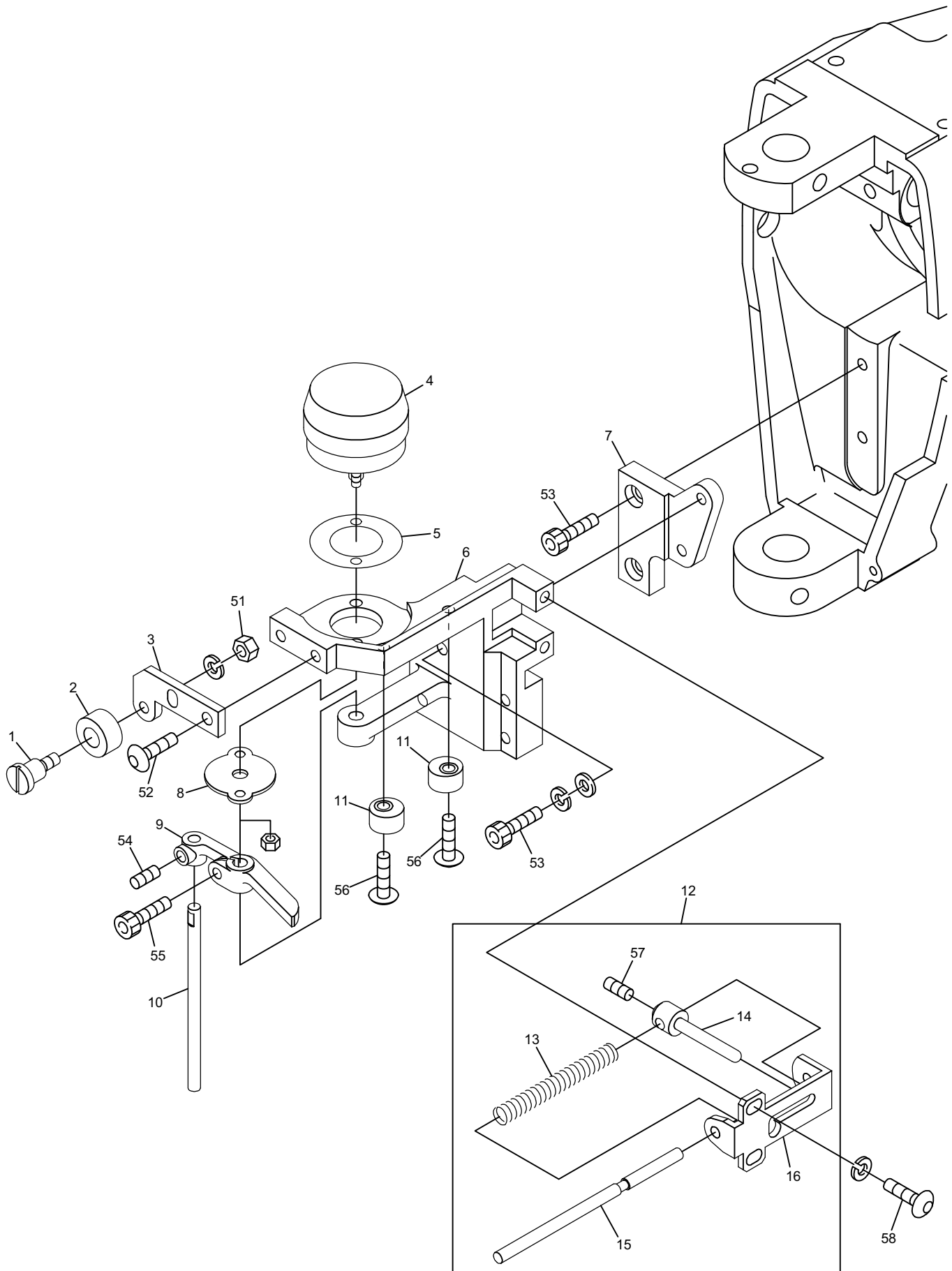
[illegible]



BENS-YN/YS BENY-YN/YS BENSME-YN/YS BENYME-YN/YS
 BENR-YN/YS BENB-YN/YS BENRME-YN/YS BENBME-YN/YS

04B HEAD - BED B

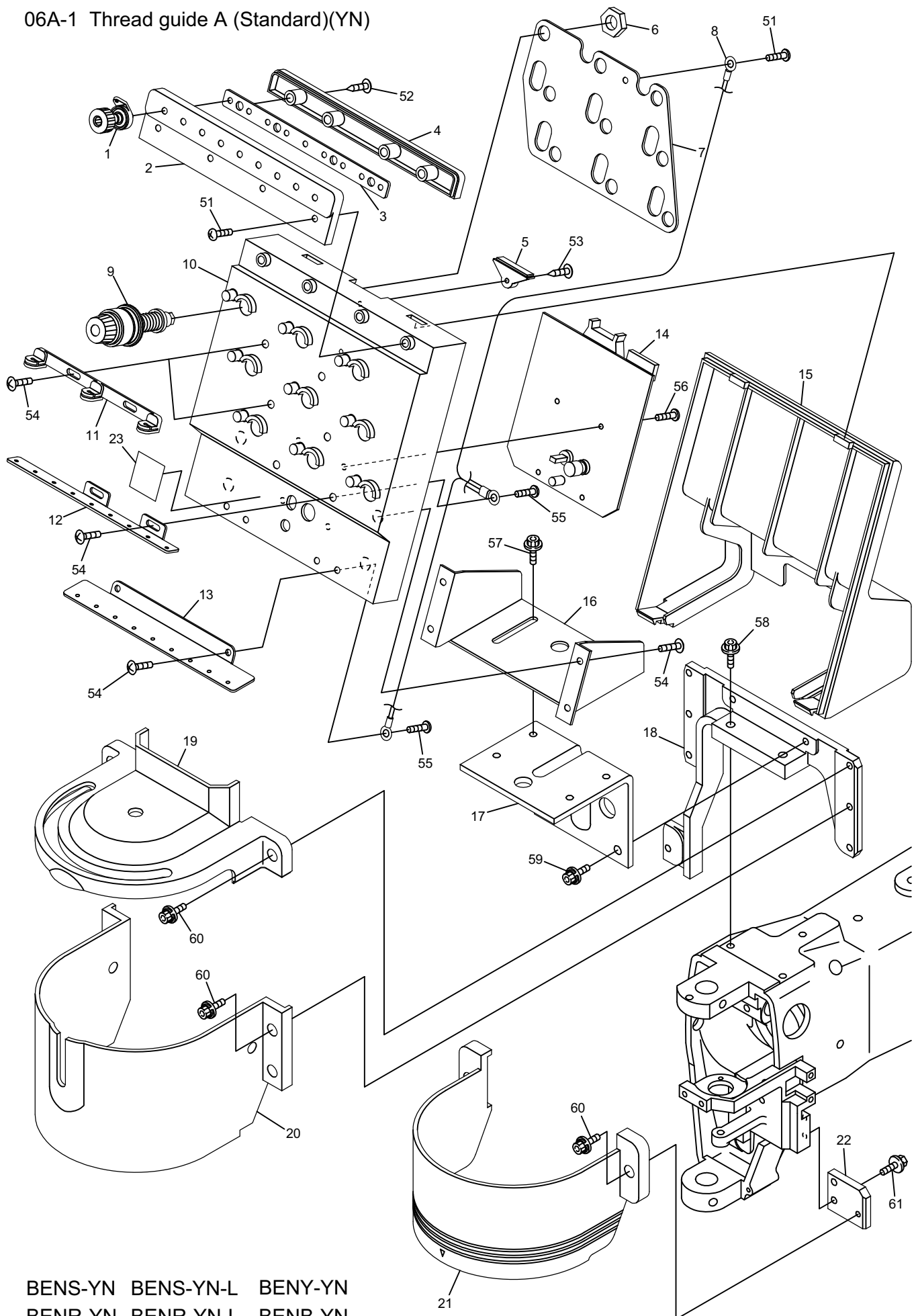
[illegible]



BENS-YN/YS BENS-YN/YS-L BENY-YN/YS BENSME-YN/YS BENYME-YN/YS
 BENR-YN/YS BENR-YN/YS-L BENB-YN/YS BENRME-YN/YS BENBME-YN/YS

From the library of Superior Sewing Machine & Supply LLC • www.supsew.com

06A-1 Thread guide A (Standard)(YN)

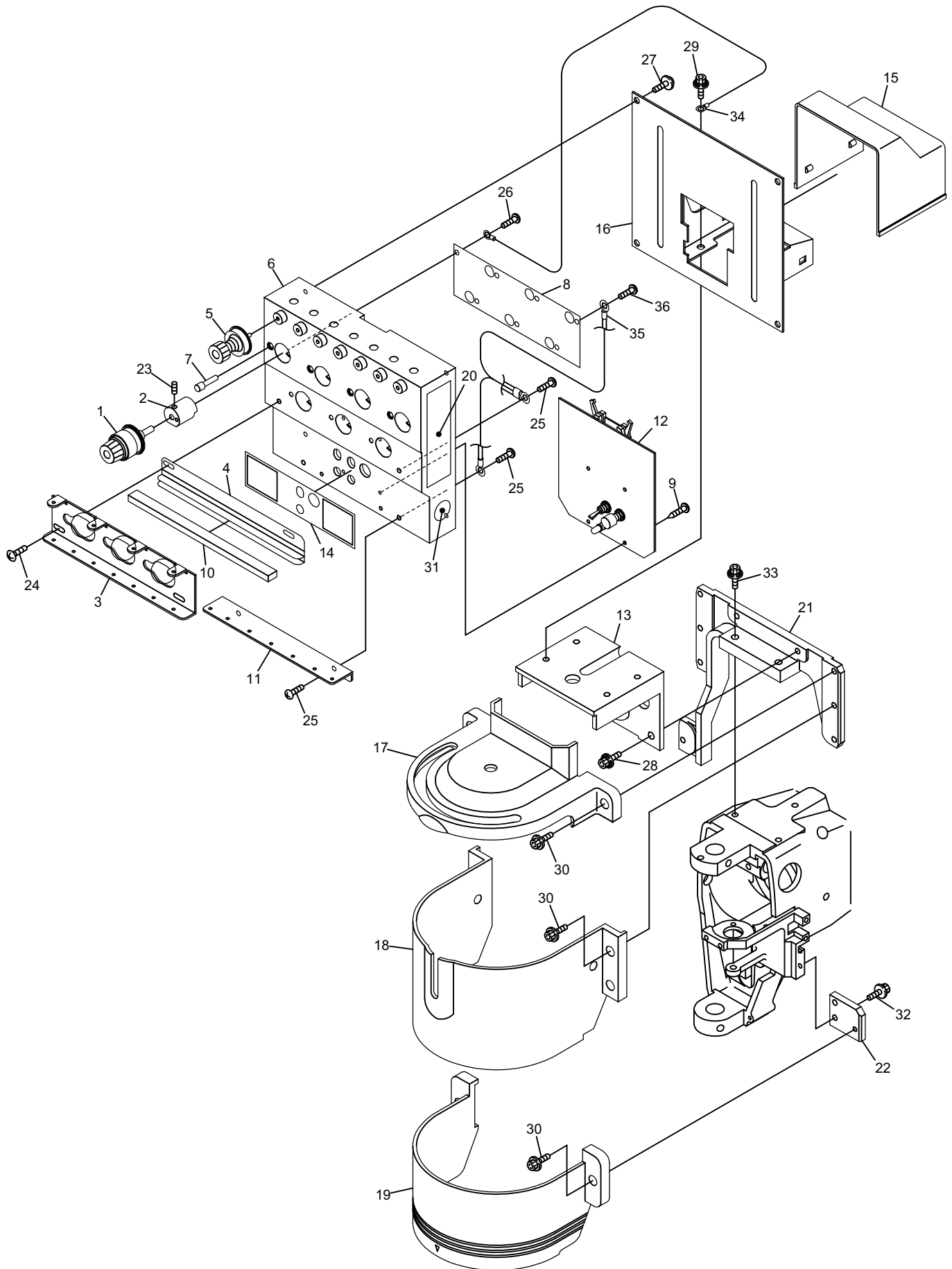


BENS-YN BENS-YN-L BENY-YN
 BENR-YN BENR-YN-L BENB-YN

06-A-1 THREAD GUIDE A STANDARD (YN)

ITEM	LIST NO.	DESCRIPTION	Q'TY	NOTE
1	HT240340	Second guide for upper tension	H×9	Except for NS/NR-YN-L
	LB240070	Second guide for upper tension (Without pin)	H×9	NS/NR-YN-L
2	HT240210	First thread guid fixing case	H×1	
3	HT240230	First thread guid fixing base	H×1	
4	HT240220	First thread guid fixing cover	H×1	
5	HT240240	Blind cap	H×1	
6	HT240180	SM-nut	H×9	
7	HT240160	Tension earth plate	H×1	
8	A9053078	Tension base earth cable YN	H×1	
9	HT240526	Dial tension a'ssy(YN)	H×9	Except for NS/NR-YN-L
	LB240060	Dial type tension unit a'ssy (YN,thick type)	H×9	NS/NR-YN-L
10	HT240121	Tension base case a'ssy	H×1	
11	HT240062	First thread guide(YN)	H×2	
12	HT240392	Thread guide plate(YN)	H×1	
13	HT240021	Second thread guide plate(YN)	H×1	
14	EBY01150	4620 Head board for N	H×1	
15	HT240130	Tension base cover	H×1	
16	HT240140	Tension base	H×1	
17	KB240051	Tension base bracket{Multi(NS)}	H×1	
18	KB250050	Sewing head cover fixing bracket	H×1	
19	KB250020	Sewing head cover(A)	H×1	
20	KB250030	Sewing head cover(B)	H×1	
21	KB250040	Sewing head cover(C)	H×1	
22	KB250060	Sewing head cover fixing stay	H×1	
23		Number label	H×1	
51		Pan screw M3×6		
52		Tapping screw ? M3×12		
53		Tapping screw M3×12		
54		Truss screw M4×6		
55		Pan screw M4×6		
56		Pan head tapping screw B tight M3×8		
57		Hex.socket bolt with washers M5×10		
58		Hex.socket bolt with washers M5×20		
59		Hex.socket bolt with washers M5×15		
60		Hex.socket bolt with washers M4×6		
61		Hex.socket bolt M4×15(With washers)		

06A-2 Thread guide A (Standard)(YS)

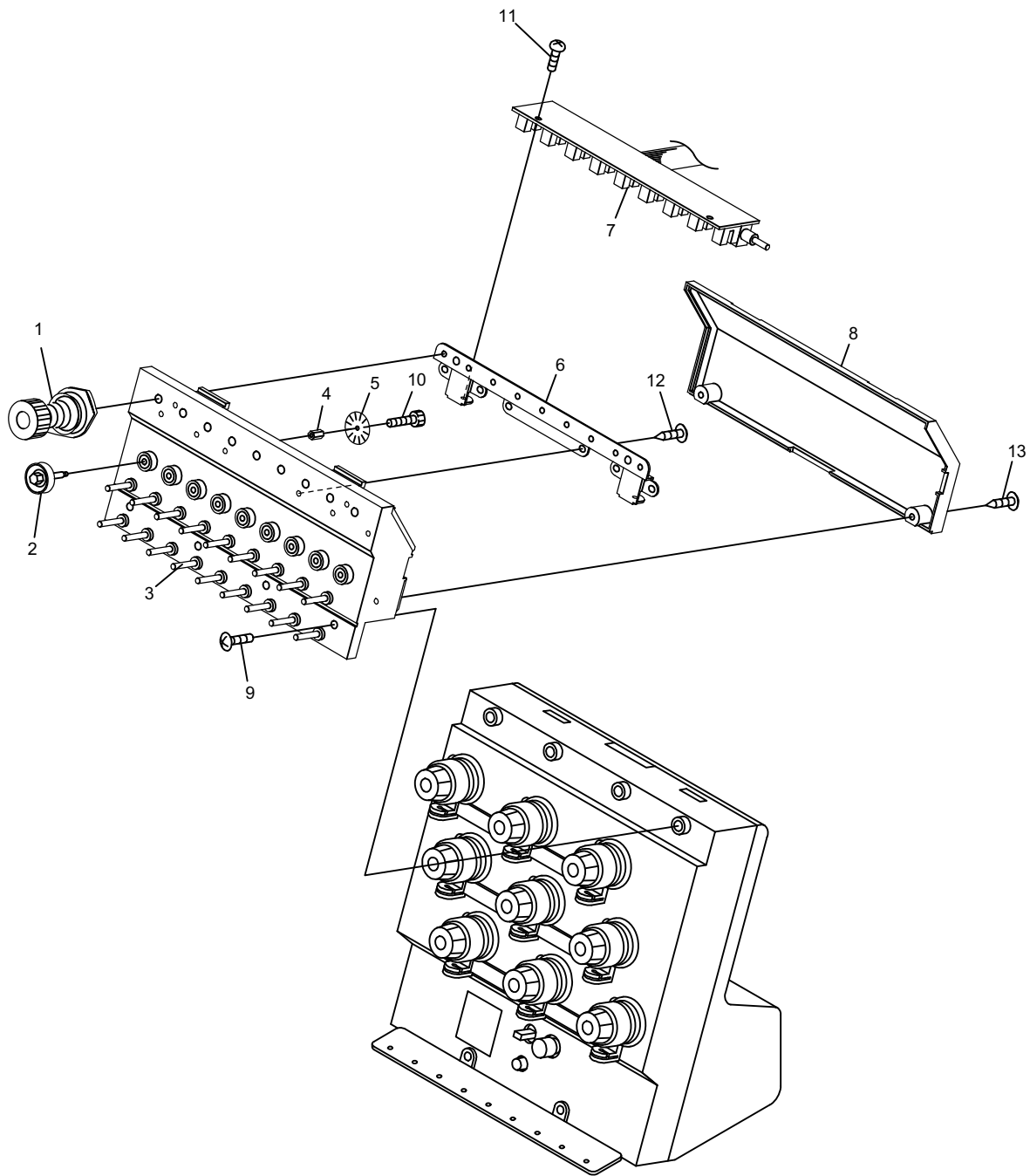


BENS-YS BENS-YS-L BENY-YS BENSME-YS BENYME-YS
BENR-YS BENR-YS-L BENB-YS BENRME-YS BENBME-YS

06A-2 THREAD GUIDE A (STANDARD YS)

ITEM	LIST NO.	DESCRIPTION	Q'TY	NOTE
1	HT240531	Dial tension a'ssy(YS)	H×7	
2	HP241151	Thread tension base	H×7	
3	HP241180	First thread guide(7)	H×1	
4	HP241460	Thread guide felt fixing plate(7)	H×1	
5	HP241440	Thread guide for first tension(D=13.5)		Except for NS/NR-YS-L
	LB240040	Thread guide for first tension(D=13.5)		NS/NR-YS-L
6	HP241123	Tension base case a'ssy(7 needles)	H×1	
7	HP241160	Upper thread detection pin	H×7	
8	HP241381	Tension earth plate(7)	H×1	
9		Tapping screw 2×8		
10	HP241480	Thread guide felt(7)	H×1	
11	HB240261	Second thread guide plate(7)	H×1	
12	EBY01640	4620 Head board for N(YS)	H×1	
13	HB240382	Tension base bracket	H×1	
14	KU241400	Tension base label	H×1	
15	KB240100	Tension cable cover	H×1	
16	KB240060	Tension base(7)	H×1	
17	KB250020	Sewing head cover A	H×1	
18	KB250030	Sewing head cover B	H×1	
19	KB250040	Sewing head cover C	H×1	
20	HB790030	Tension base caution label	H×2	
21	KB250050	Sewing head cover fixing bracket	H×1	
22	KB250060	Sewing head cover fixing stay	H×1	
23		Set screw(SM11/64 40×5.5)		
24		Truss screw M4×6		
25		Pan screw M4×6		
26		Pan screw M3×4		
27		Pan screw M4×8(With plain washer)		
28		Hex.socket bolt M5×15(With washers)	H×2	
29		Hex.socket bolt M5×10(With washers)	H×4	
30		Hex.socket bolt M4×6(With plain washer)		
31	HB240390	Hex.label(tension base)	H×1	
32		Hex.socket bolt M4×15(With washers)		
33		Hex.socket bolt(With washers)		
34	HV240000	Tension earth cable	H×1	
35	A9053080	Tension base earth cable YS	H×1	
36		Pan screw M3×6		

06B-1 Thread guide B (Lower thread sensorium)(YN)



BENS-YN BENS-YN-L BENY-YN
BENR-YN BENR-YN-L BENB-YN

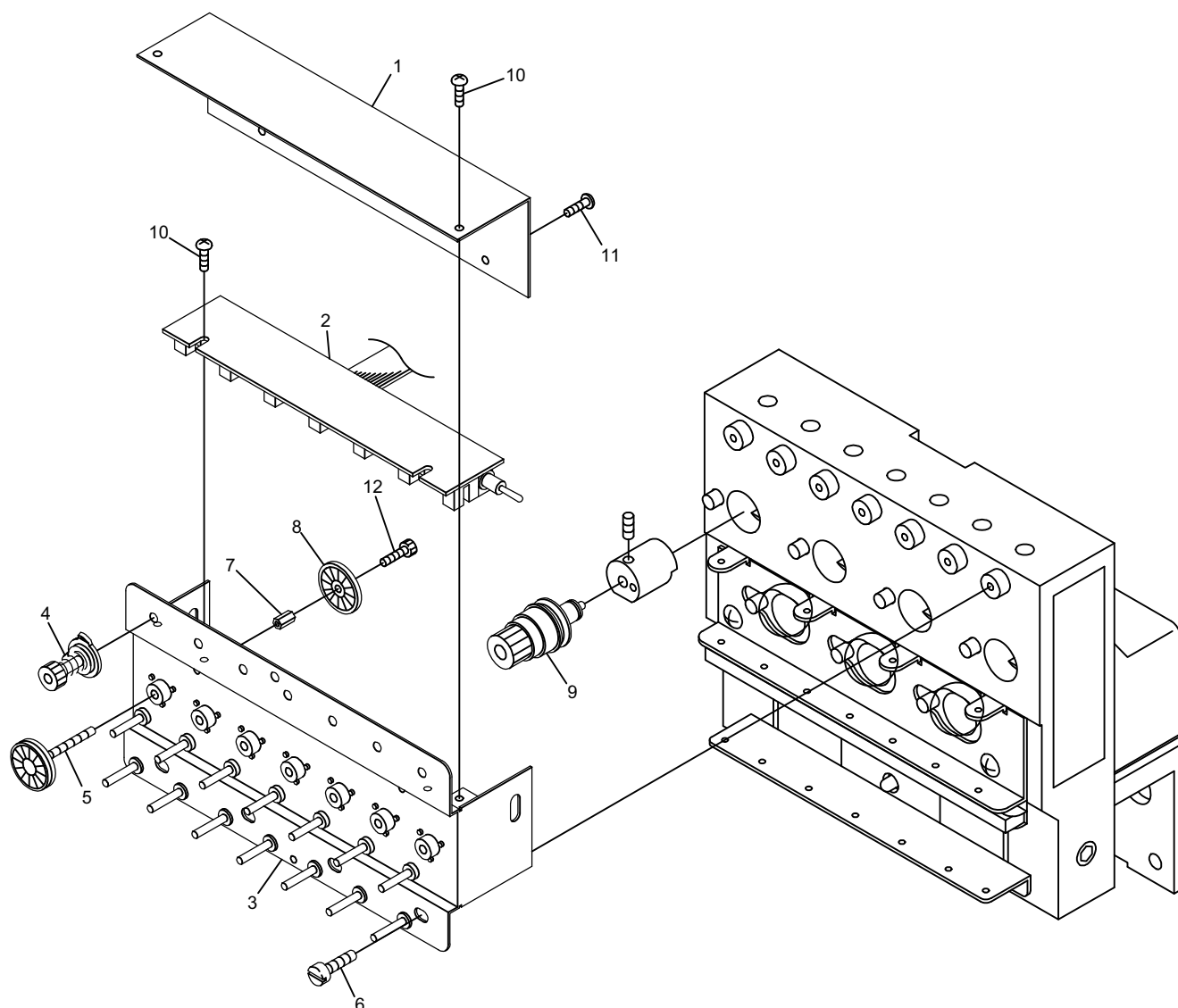
BENSME-ZN BENYME-ZN BENT-ZN BENSHE-YN BENSHE-YN-S BENSHE-YN-B BENSHE-YN-BS
BENRME-ZN BENBME-ZN BENRH-YN BENRH-YN-S BENRH-YN-B BENRH-YN-BS

BENYH-YN BENYH-YN-C BENSHE-YN BENYHE-YN BENYHE-YN-B BENYHE-YN-C
BENBH-YN BENRHE-YN BENBHE-YN BENBHE-YN-B BENBHE-YN-C

011002

From the library of Superior Sewing Machine & Supply LLC • www.supsew.com

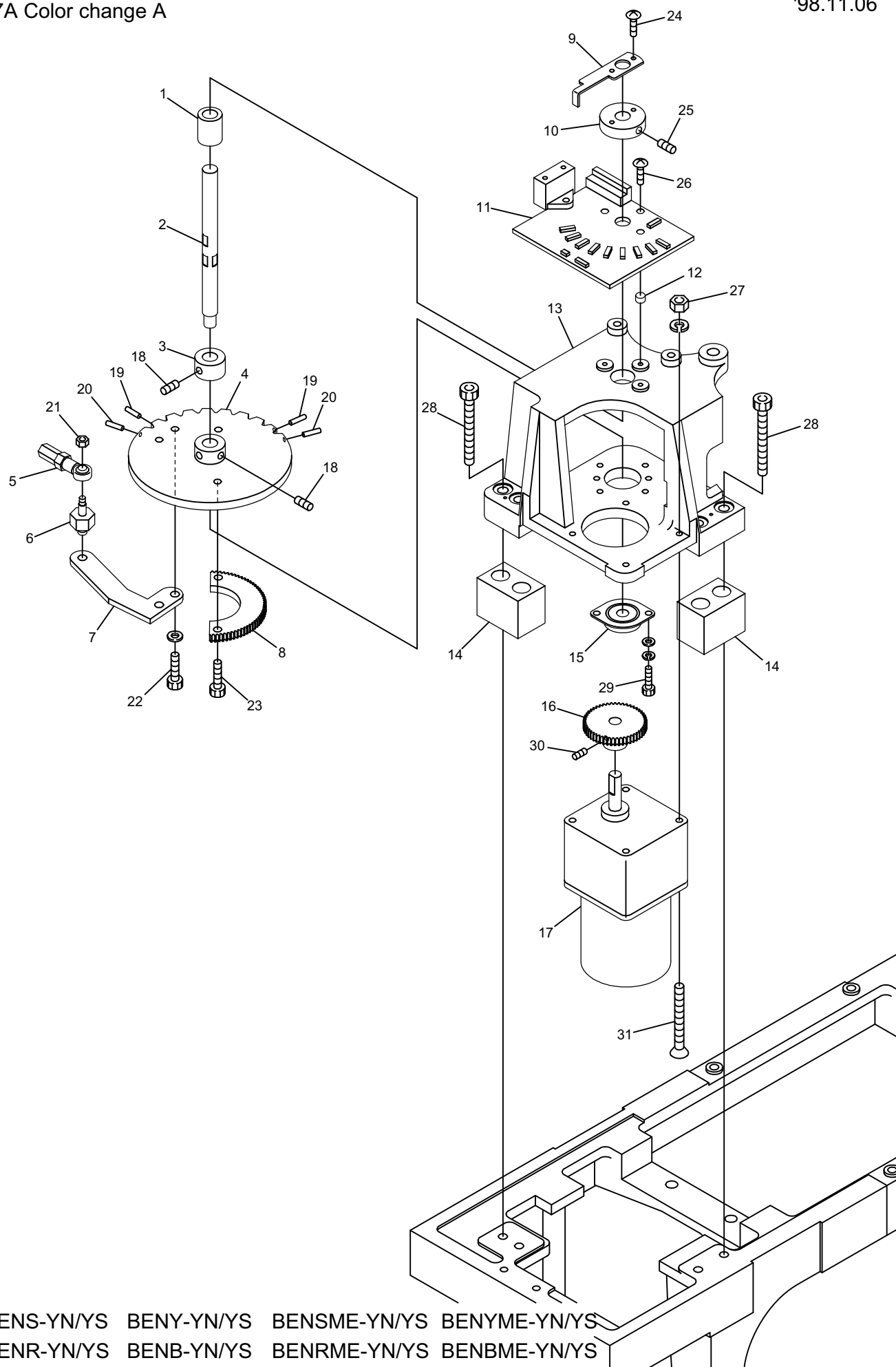
06B-2 Thread guide B (Lower thread sensorium)(YS)



BENS-YS BENS-YS-L
BENR-YS BENR-YS-L

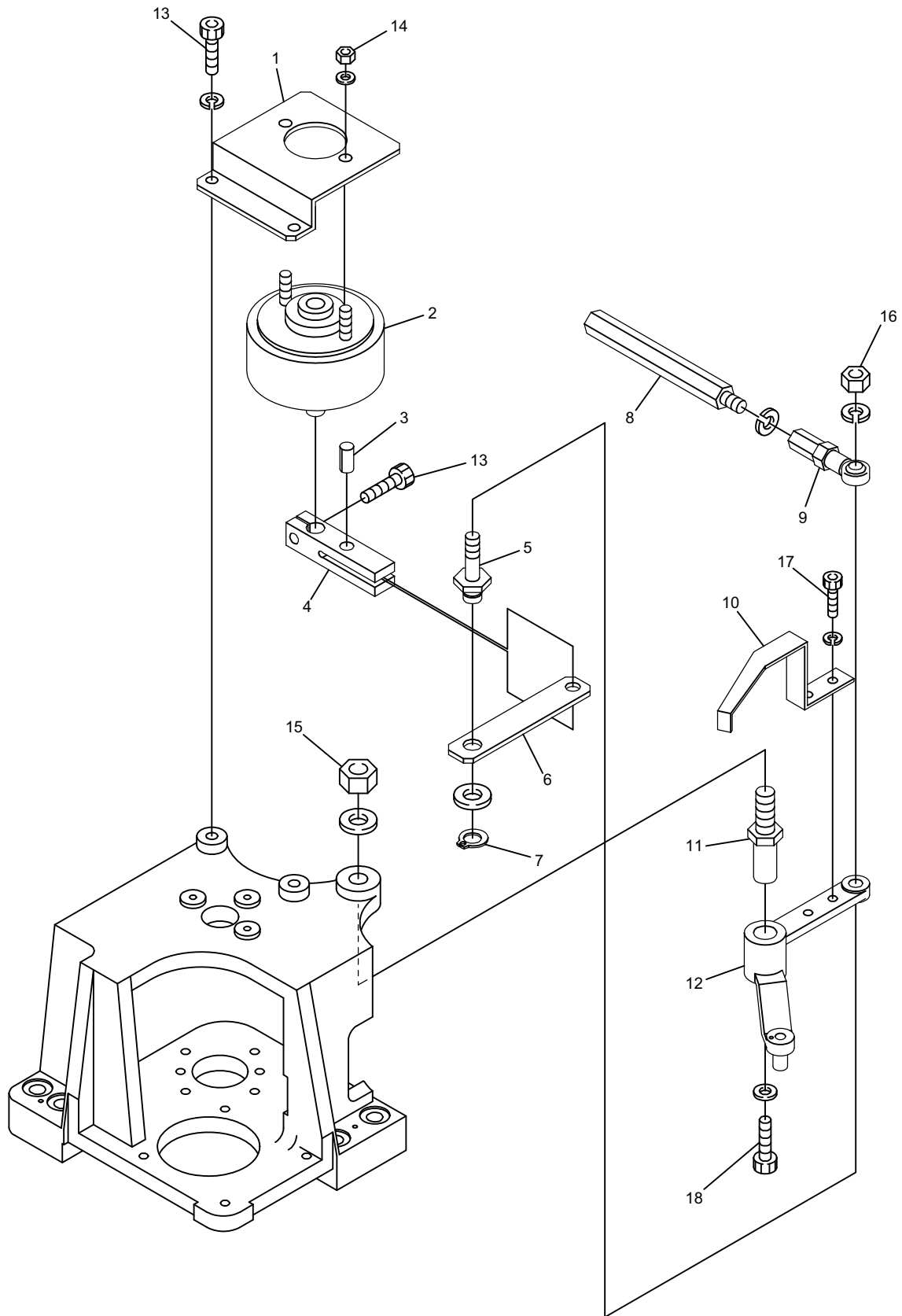
BENY-YS BENSH-YS BENSH-YS-S BENSH-YS-B BENSH-YS-BS BENSHE-YS
BENB-YS BENRH-YS BENRH-YS-S BENRH-YS-B BENRH-YS-BS BENRHE-YS

From the library of Superior Sewing Machine & Supply LLC • www.supsew.com

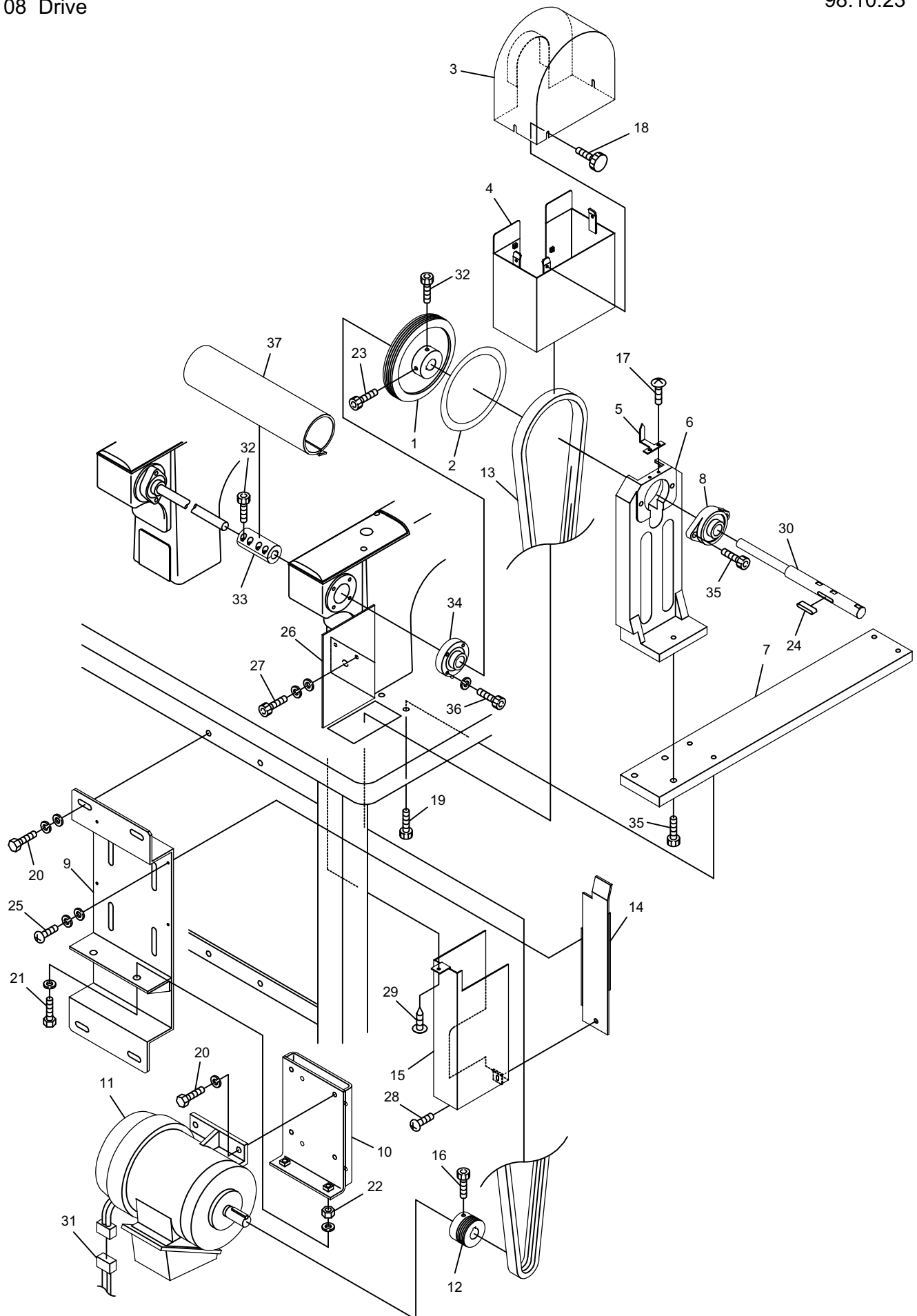


BENS-YN/YS BENY-YN/YS BENSME-YN/YS BENYME-YN/YS
 BENR-YN/YS BENB-YN/YS BENRME-YN/YS BENBME-YN/YS

[illegible]



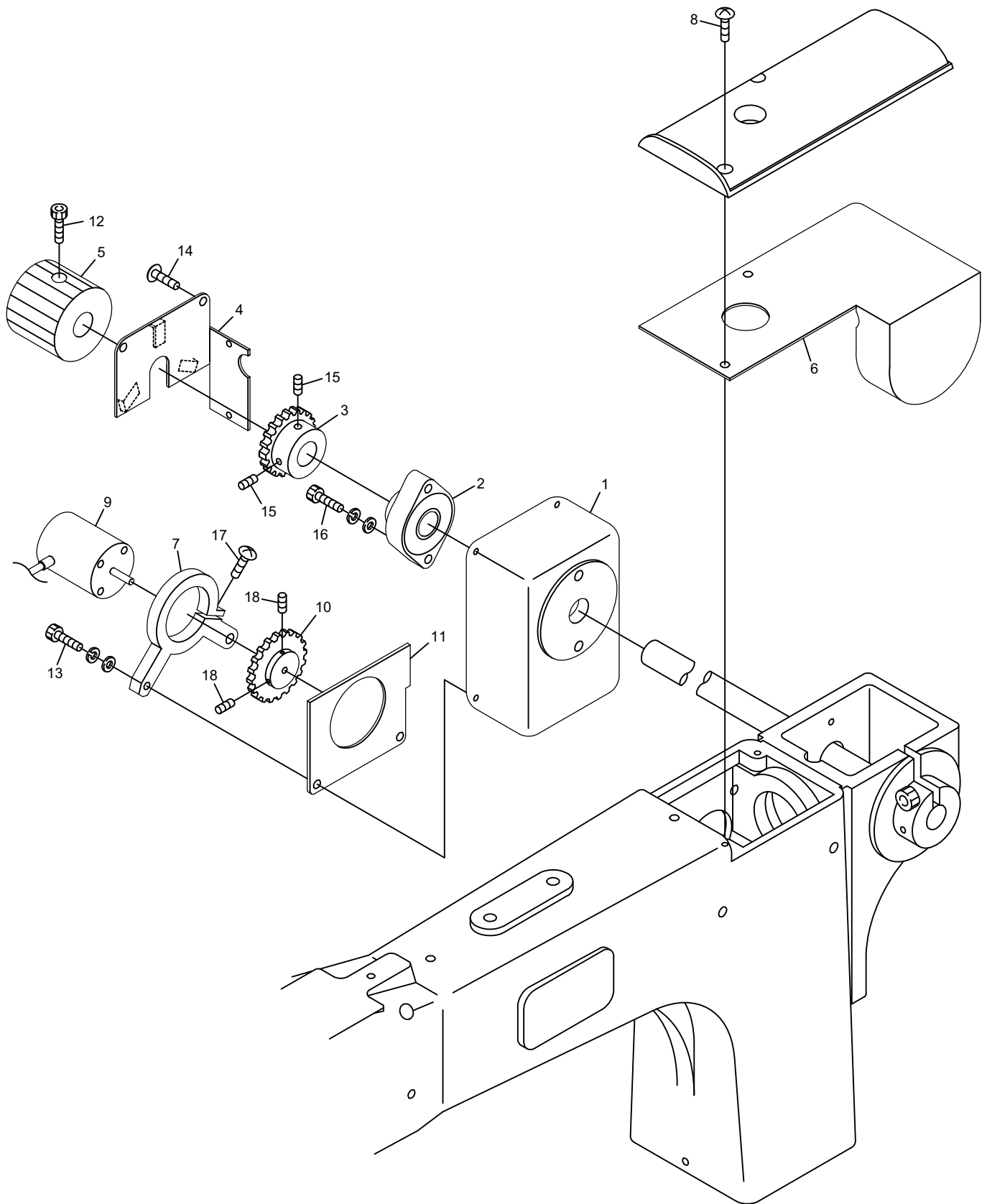
[illegible]



BENS-YN/YS BENY-YN/YS
 BENR-YN/YS BENB-YN/YS

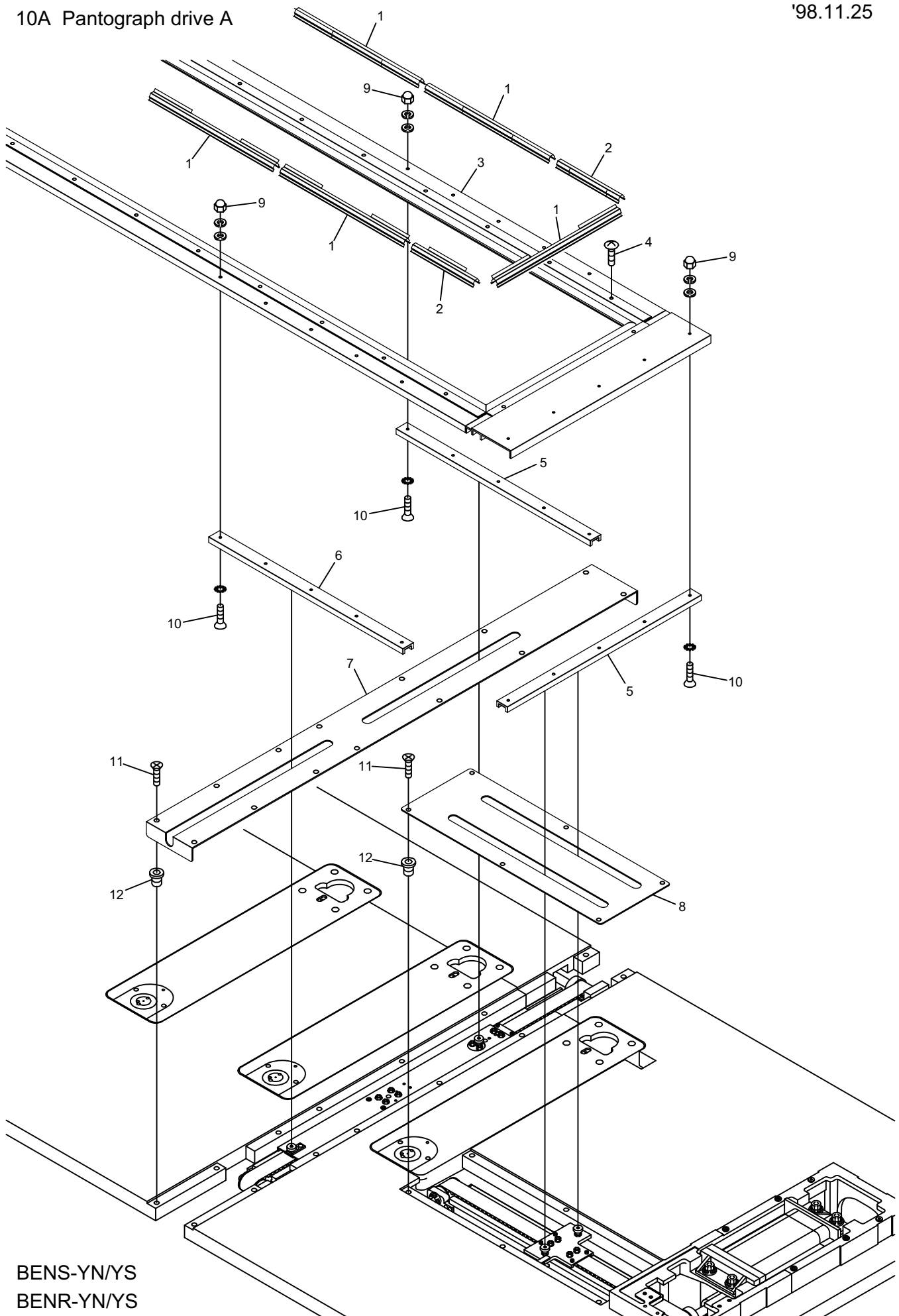
ITEM	LIST NO.	DESCRIPTION	Q'TY	NOTE
1	KN310000	Drive pulley 152.2 dia.	1	
2	HP313691	Rotary angle label(B)	1	
3	KV310041	Belt cover(Upper)	1	
4	KV310050	Belt cover(Lower)	1	
5	KV310090	Angle gauge	1	
6	KV310021	Main shaft hold bracket	1	
7	KV310031	Main shaft hold bracket base(Plain bed)	1	
8	A9011017	Bearing unit(BLF 204)	1	
9	KV310070	Motor base(BENS)	1	
10	KV310080	Motor fixing base(BENS)	1	
11	HB310280	Motor FBK8-4P-0.75KW VF3(With cable)	1	
12	KN310010	Motor pulley	1	
13	A9020200	Ribstar belt(4PK-1240)	1	
14	KV310110	Belt cover bracket(BENS)	1	
15	KV310101	Belt cover(BENS)	1	
16		Hex.socket bolt M6×12		
17		Pan screw M4×8		
18	A9012320	Screw	1	
19		Hex.socket bolt M8×20		
20		Hex.bolt M8×15		
21		Hex.bolt M8×55		
22		Hex.nut M8		
23		Hex.socket bolt M5×15		
24	VV310210	Both round parallel key(6×6×35)	1	
25		Pan screw M4×8		
26	KR310041	Belt cover bracket	1	
27		Hex.socket bolt M4×6		
28		Pan screw M4×6		
29		Pierce screw 5×19		
30	HB320070	Upper shaft connecting shaft(15×3300)	1	? KV310140
	KC320820	Upper shaft connecting shaft(15×5700)	1	? KV310140
31	A9053070	NS motor cable(7.5W)	1	
32		Hex.socket bolt M5×18		
33	HP321100	Lower shaft connecting coupling	1	
34	A9011119	Ball bearing JAF(SH204)	1	
35		Hex.socket bolt M8×25		
36		Hex.socket bolt M5×25		
37	1PKVxxxxx	Shaft cover set	1 Set	Choice and use

09 Connecting shaft



BENS-YN/YS BENS-YN/YS-L BENY-YN/YS BEDSME-ZN/ZQ-A BENYME-ZN/ZQ
 BENR-YN/YS BENR-YN/YS-L BENB-YN/YS BENBME-ZN/ZQ

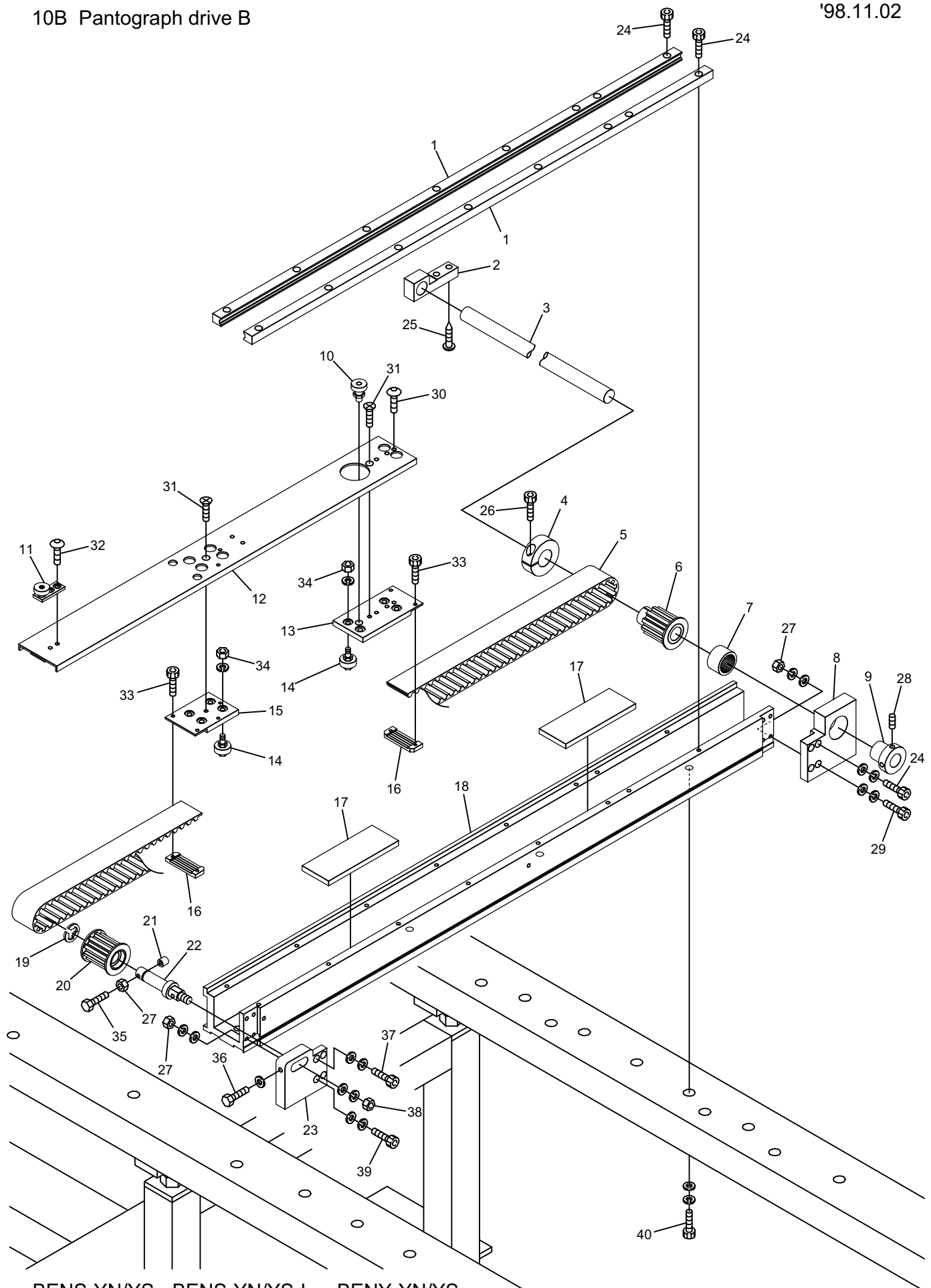
[illegible]



BENS-YN/YS
BENR-YN/YS

10A PANTOGRAPH DRIVE A

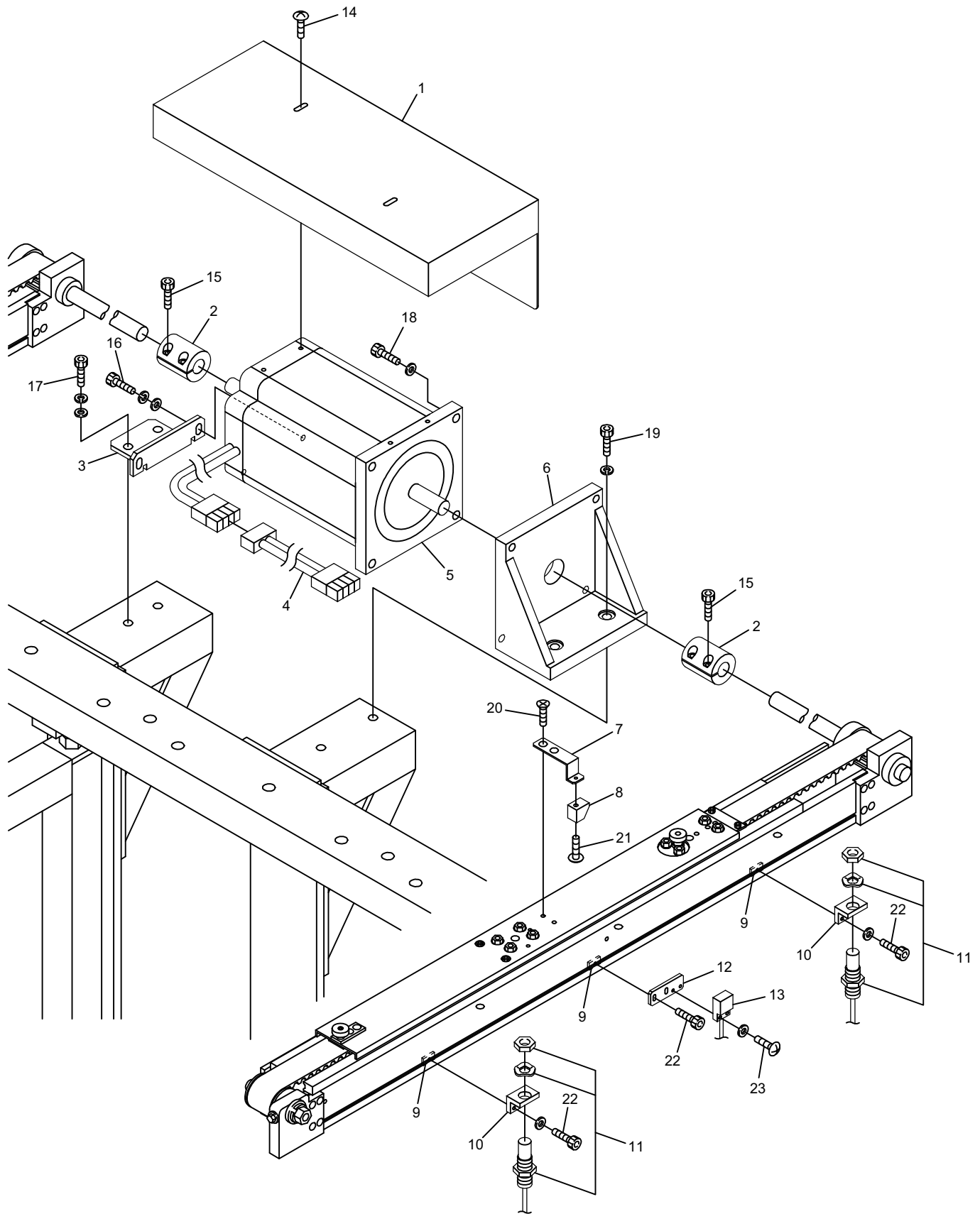
[illegible]



BENS-YN/YS BENS-YN/YS-L BENY-YN/YS

BENR-YN/YS BENR-YN/YS-L BENB-YN/YS

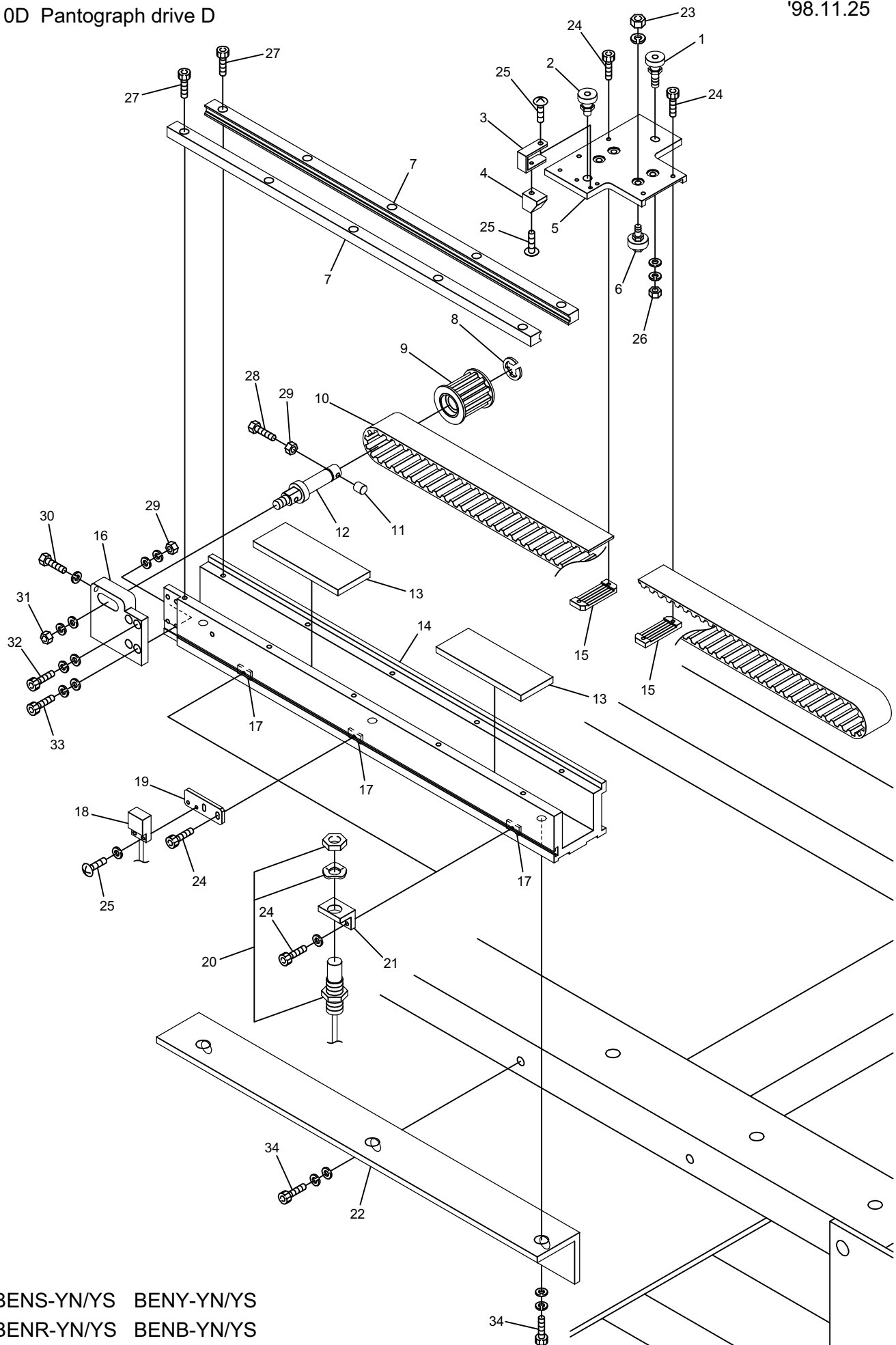
ITEM	LIST NO.	DESCRIPTION	Q'TY	NOTE
1	KN483450	V-guide rail(L=660)	R×2	
2	HV480070	Pulse motor connecting shaft support	2	
3		H-pulse motor connecting shaft f15	2	
4	HH481980	19 dia. clamping	R×1	
5	HV480110	Free span belt(300S5M)	R×1	
6	HV480040	Pantograph driving pulley(Rear)	R×1	
7	A9011063	Needle bearing(TLA2016)	R×1	
8	KR480050	H/V-guide pulley bracket(Rear)	R×1	
9	HH481970	Pulse motor connecting shaft collar	R×1	
10	HP483370	Guide rail bearing pin a'ssy	R×1	
11	HP483391	Guide rail bearing pin a'ssy(H)	R×1	
12	KN483442	H-member connectig channel	R-1	
	KN483460	H-member connectig channel	1	For pantograph stop
13	KN482871	H-roller base(Rear)	R×1	
14	HP482950	Roller pin a'ssy A	R×8	
15	KN482880	H-roller base(Front)	R×1	
16	HP482940	Timing belt set rack(5M)	R×2	
17	KN480061	Raile base felt(100×38×6)	R×2	
18	KV480010	H-guide rail base(BENS)	R×1	
19	A9012052	E-ring(f10)	R×1	
20	HV480050	Pantograph driving pulley(Front)	R×1	
21	HH482110	Pulley shaft bolt cap	R×1	
22	HH481991	Timing pulley shaft	R×1	
23	KR480060	H/V-guide pulley bracket(Front)	R×1	
24		Hex.socket bolt M4×15		
25		Pierce screw 5×23		
26		Hex.socket bolt M5×18		
27		Hex.nut M4		
28		Hex.socket set screw M5×8		
29		Hex.socket bolt M4×20		
30		Hex.socket button bolt M4×8		
31		Flush screw M4×8(Undercut)		
32		Hex.socket button bolt M4×5		
33		Hex.socket bolt M3×6		
34		Hex.nut M5		
35		Hex.bolt M4×35		
36		Hex.bolt M4×25		
37		Hex.socket bolt M4×18		
38		Hex.nut M8		
39		Hex.socket bolt M4×22		
40		Hex.socket bolt M8×22(With washers)		



BENS-YN/YS BENS-YN/YS-L
BENR-YN/YS BENR-YN/YS-L

10C PANTOGRAPH DRIVE C

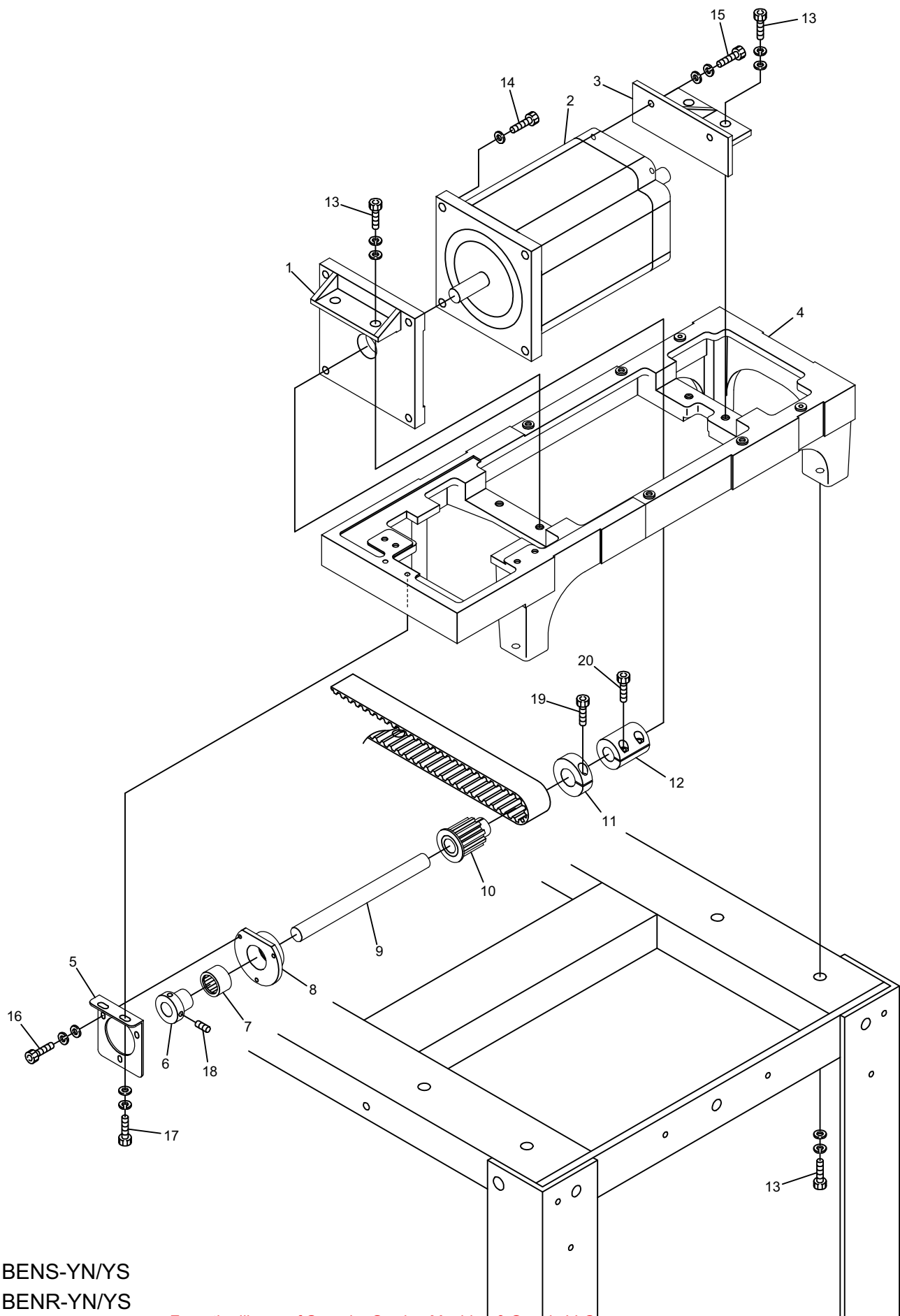
[illegible]



BENS-YN/YS BENY-YN/YS
 BENR-YN/YS BENB-YN/YS

10D PANTOGRAPH DRIVE D

[illegible]

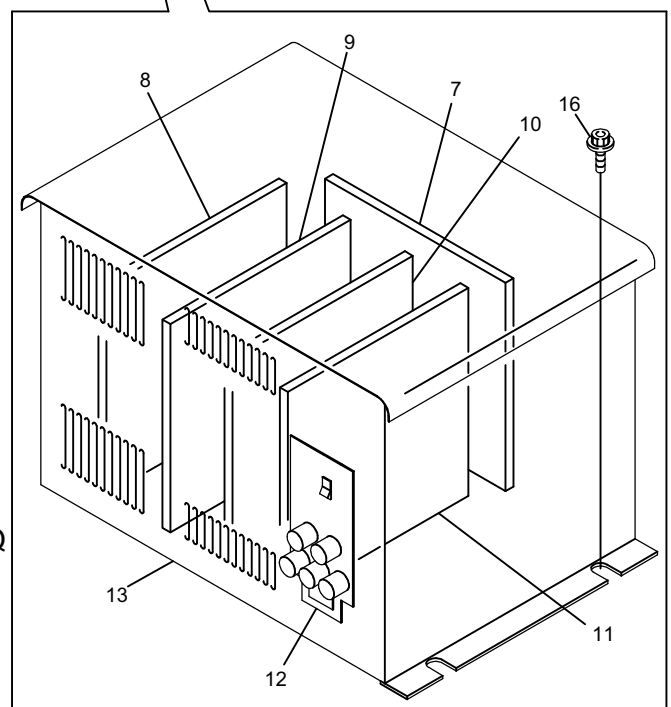
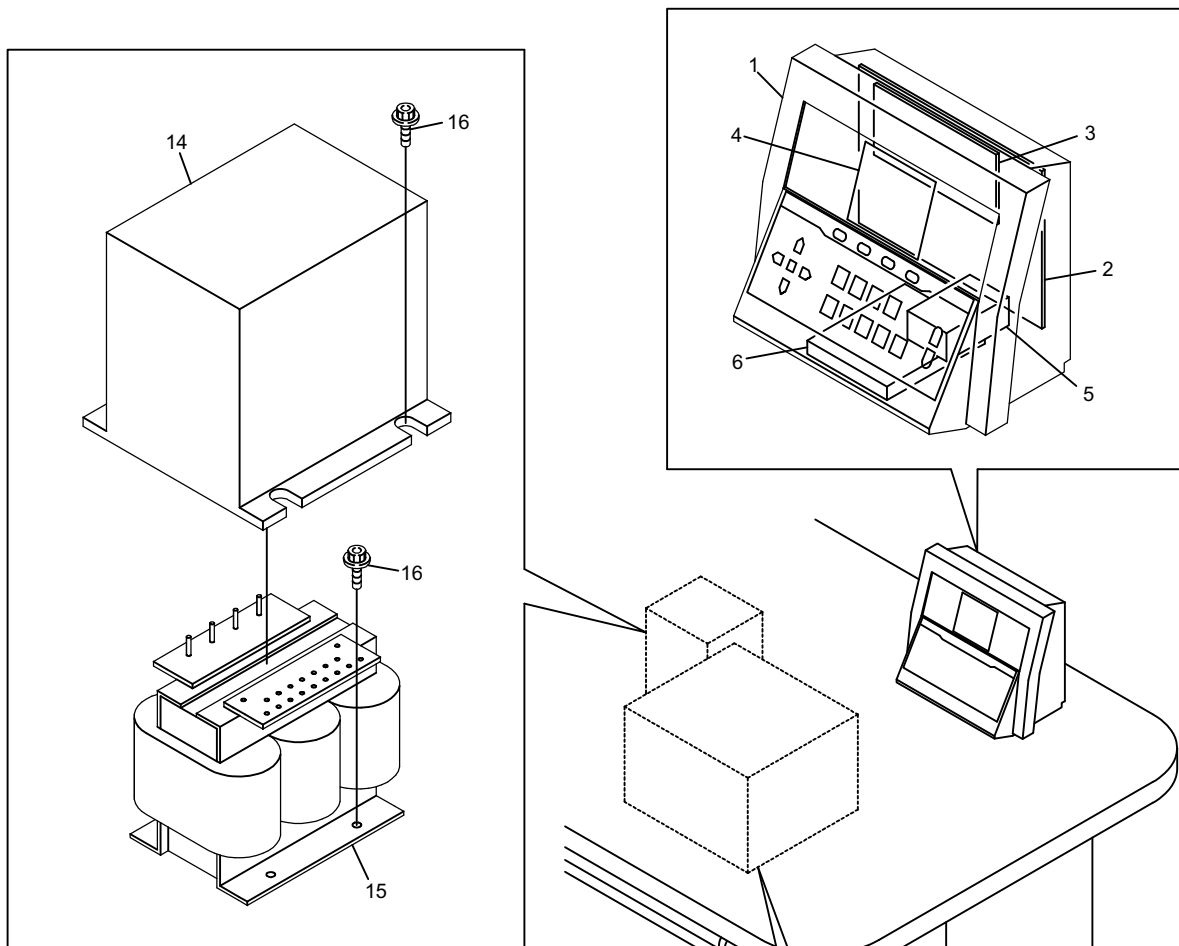


BENS-YN/YS
BENR-YN/YS

10E PANTOGRAPH DRIVE E

[illegible]

11A-1 Control A (NS)

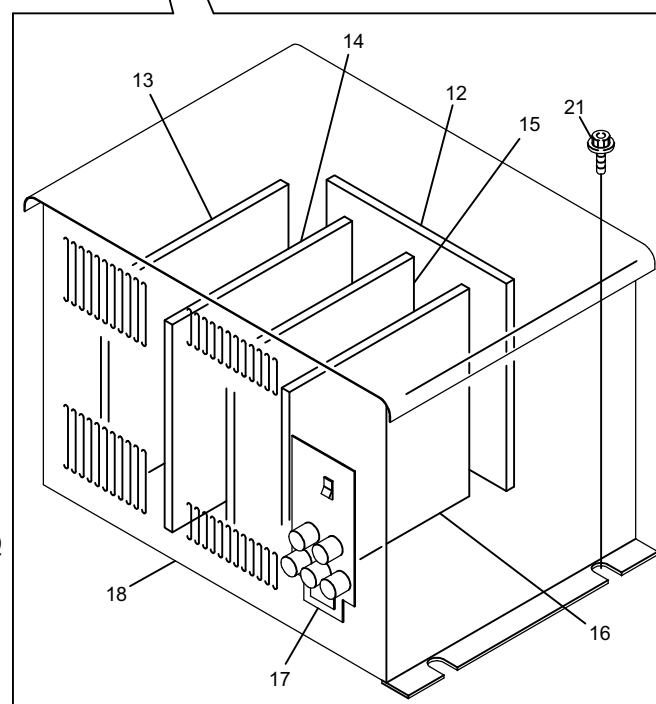
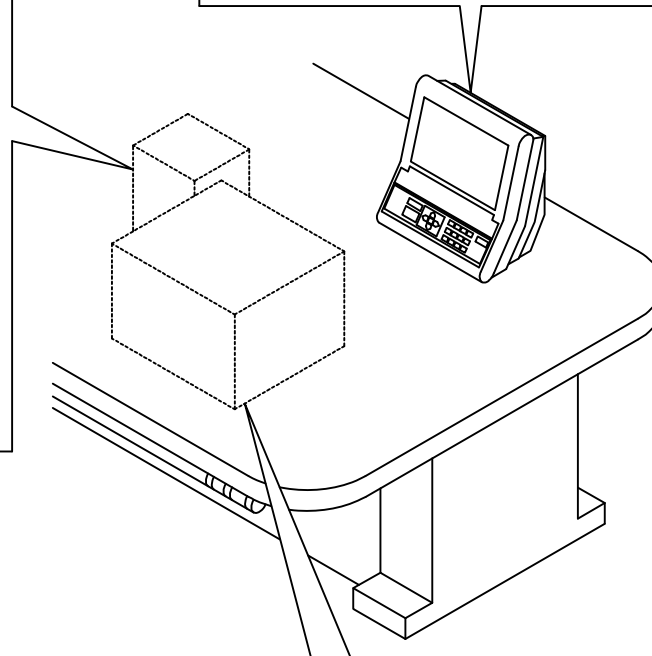
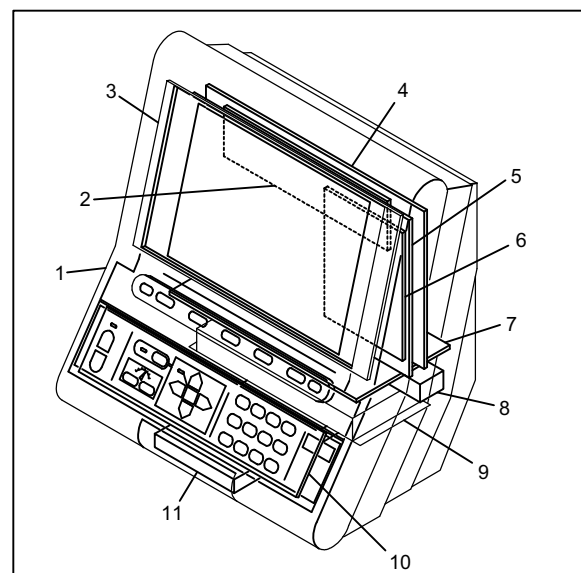
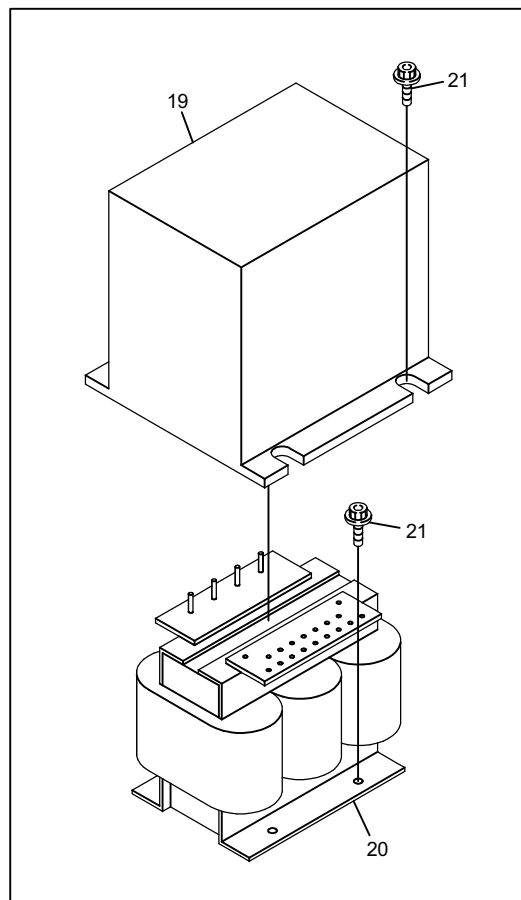


BENS-YN/YS BENS-YN/YS-L BENSME-ZN/ZQ
 BENSH-YN/YS BENSH-YN/YS-S
 BENSH-YN/YS-B BENSH-YN/YS-BS
 BENSH-YN-KS BENSHE-YN/YS
 BENSH-ZQ-AS BENSH-ZQ-B BENSH-ZQ-BS

11A-1 CONTROL A (NS)

[illegible]

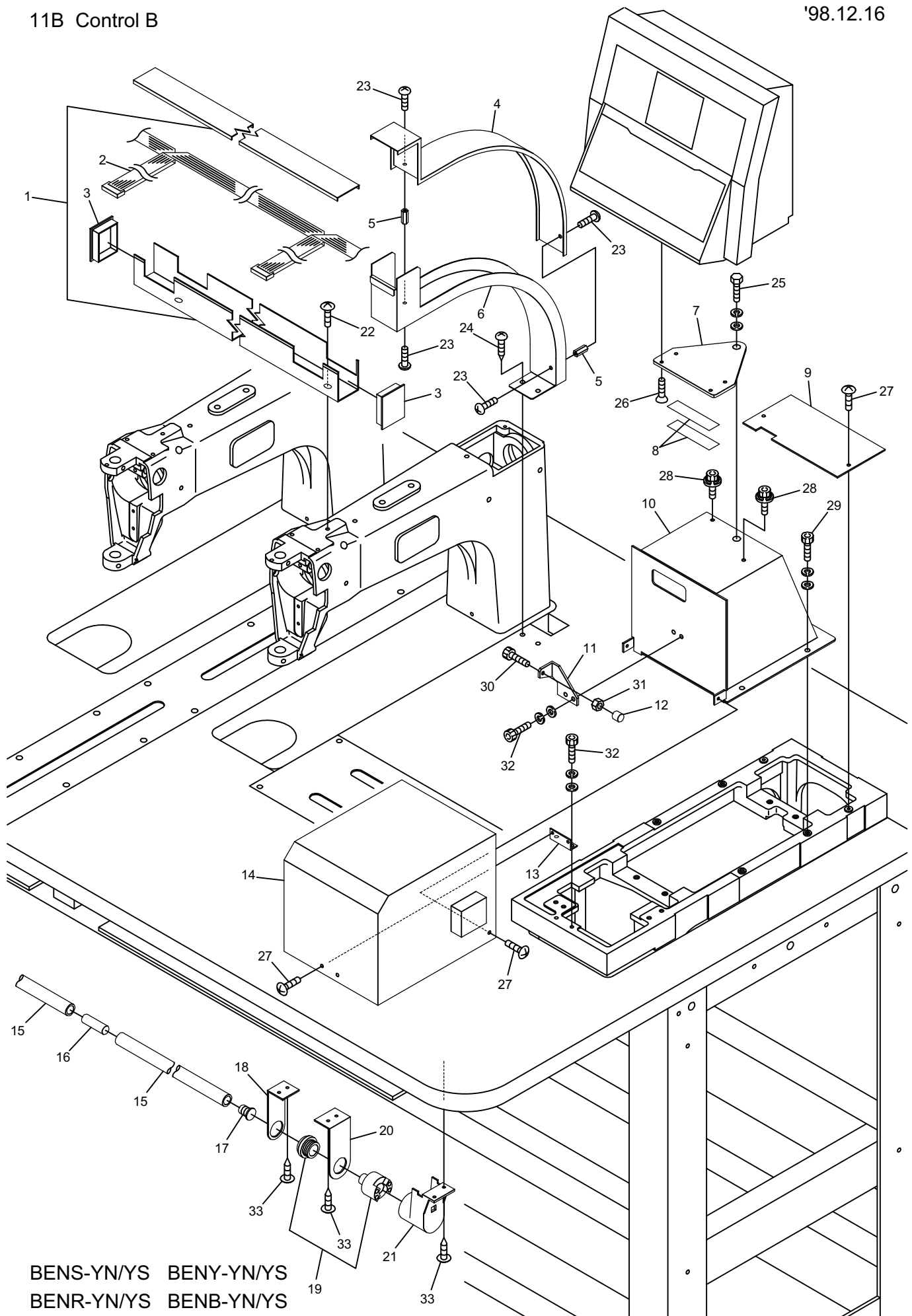
11A-2 Control A (NR)



BENR-YN/YS BENR-YN/YS-L BENRME-ZN/ZQ
 BENRH-YN/YS BENRH-YN/YS-S
 BENRH-YN/YS-B BENRH-YN/YS-BS
 BENRH-YN-KS BENRHE-YN/YS
 BENRH-ZQ-AS BENRH-ZQ-B BENRH-ZQ-BS

11A-2 CONTROL A (NR)

[illegible]

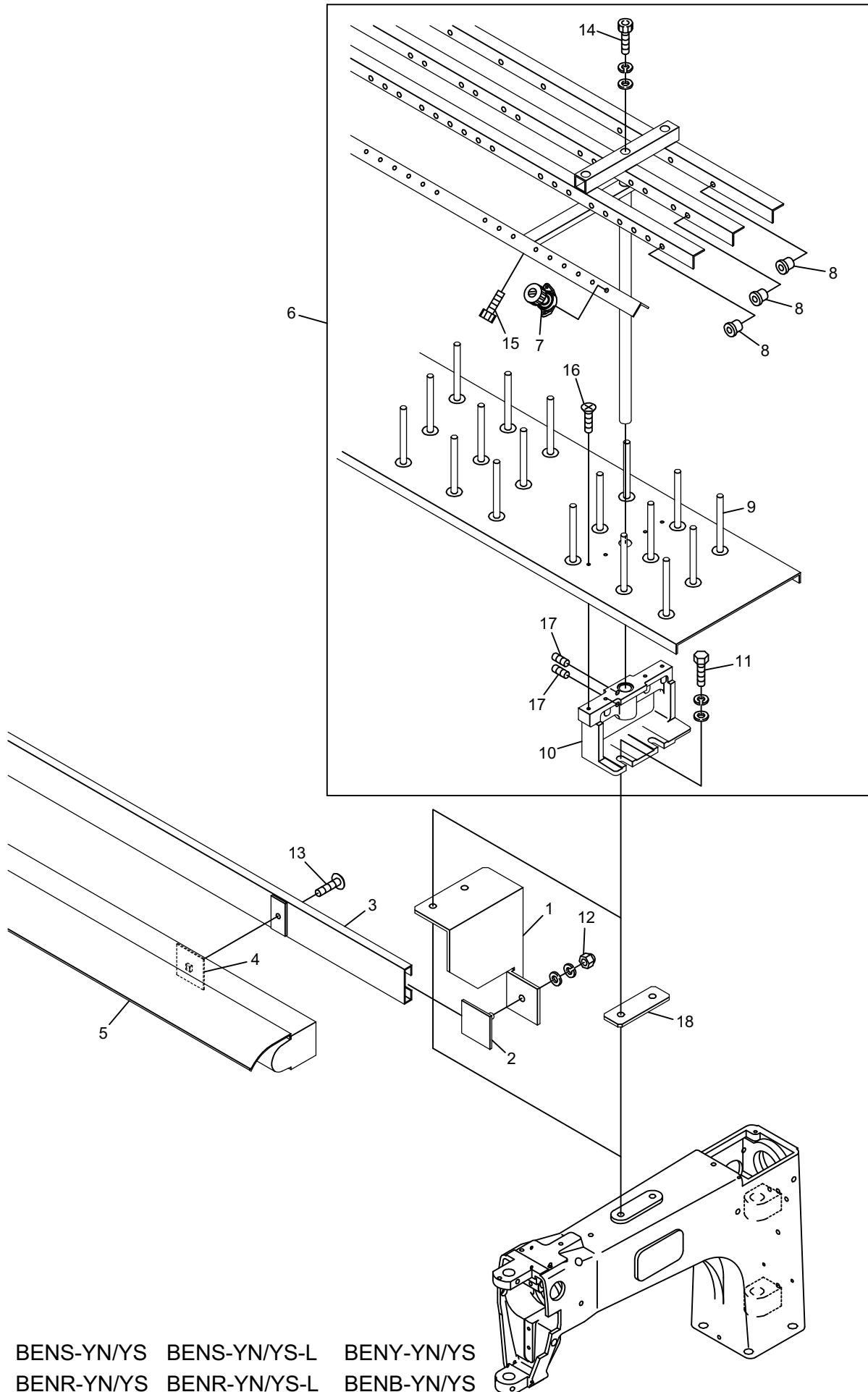


BENS-YN/YS BENY-YN/YS
 BENR-YN/YS BENB-YN/YS

11B CONTROL B

[illegible]

12 Accessories



BENS-YN/YS BENS-YN/YS-L BENY-YN/YS
 BENR-YN/YS BENR-YN/YS-L BENB-YN/YS

12 ACCESSORIES

[illegible]