

Barudan

HIGH SPEED AUTOMATIC EMBROIDERY MACHINE

MODEL

BENRME-YN/YS
BENSME-YN/YS

PARTS LIST

BARUDAN CO., LTD.

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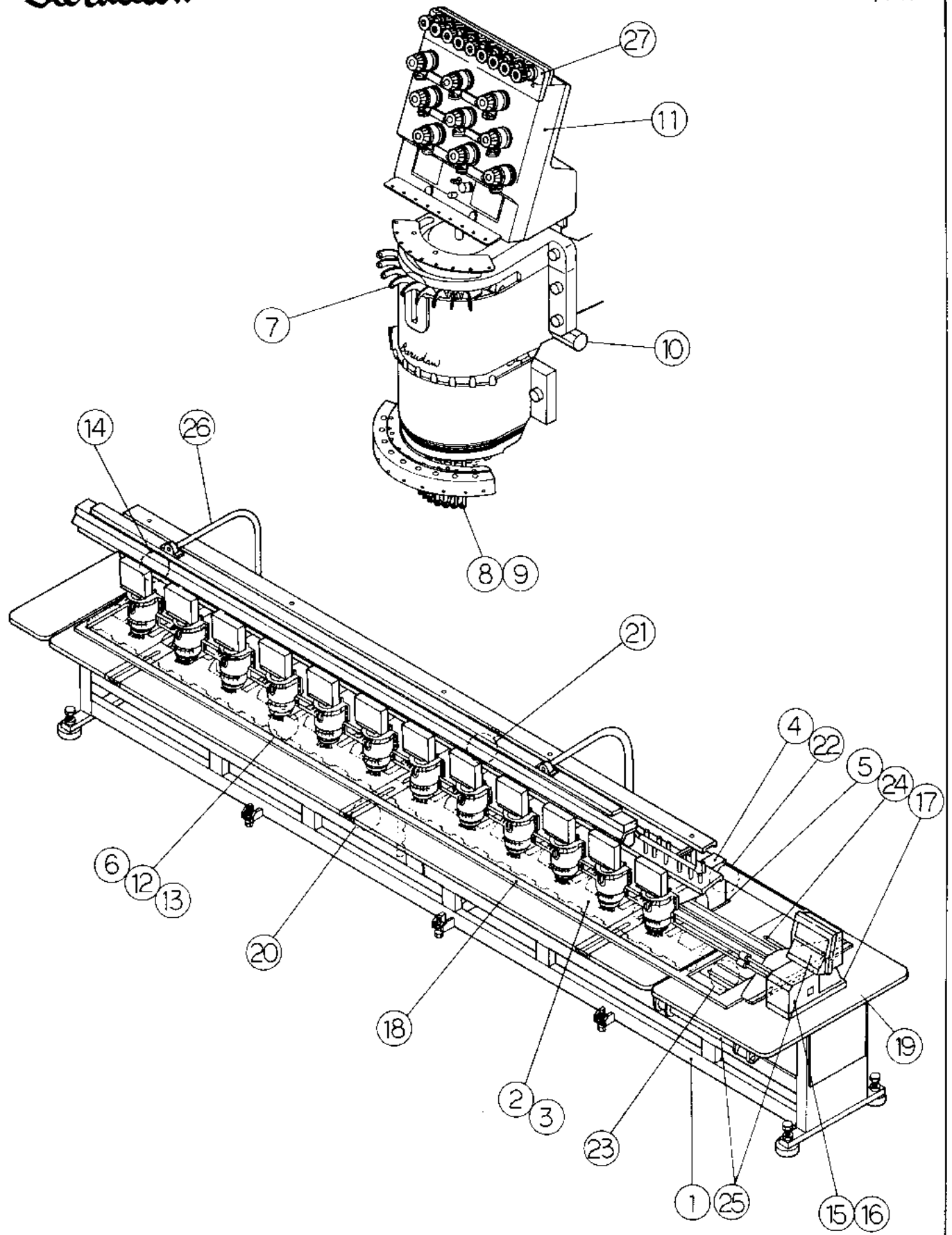
TELEX 4573268 BARUNA J

CABLE BARUNA ICHINOMIYA

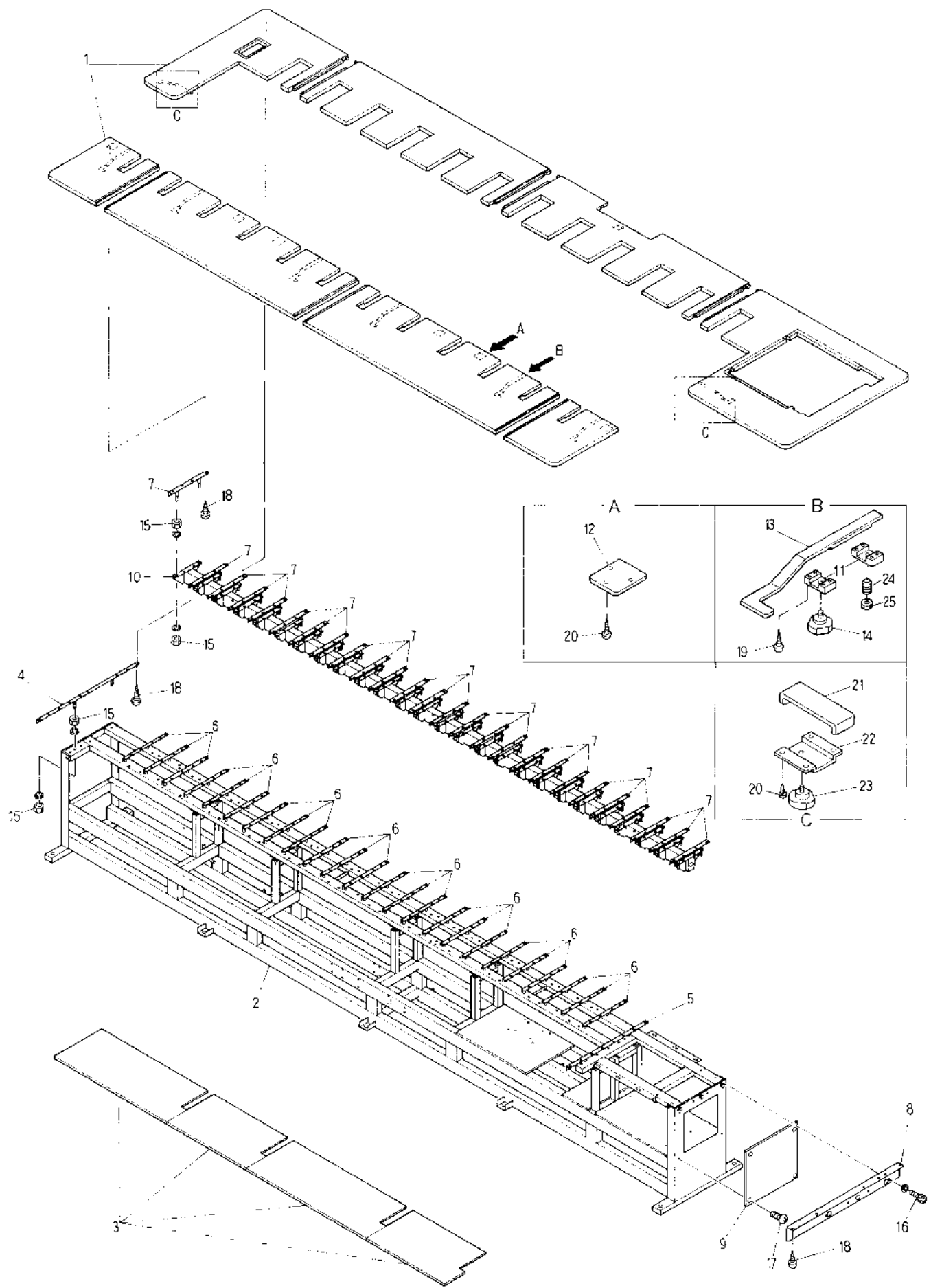
HIGH SPEED AUTOMATIC EMBROIDERY
 MACHINE PARTS LIST

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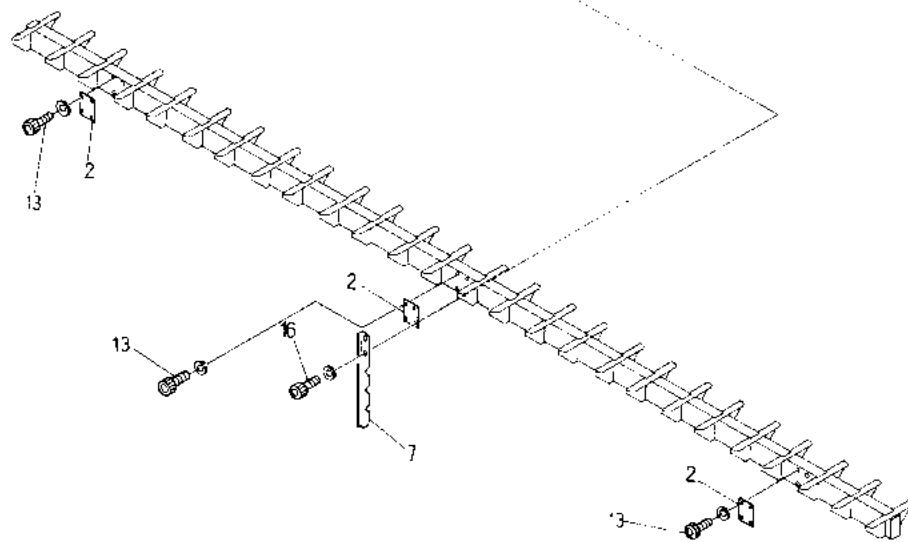
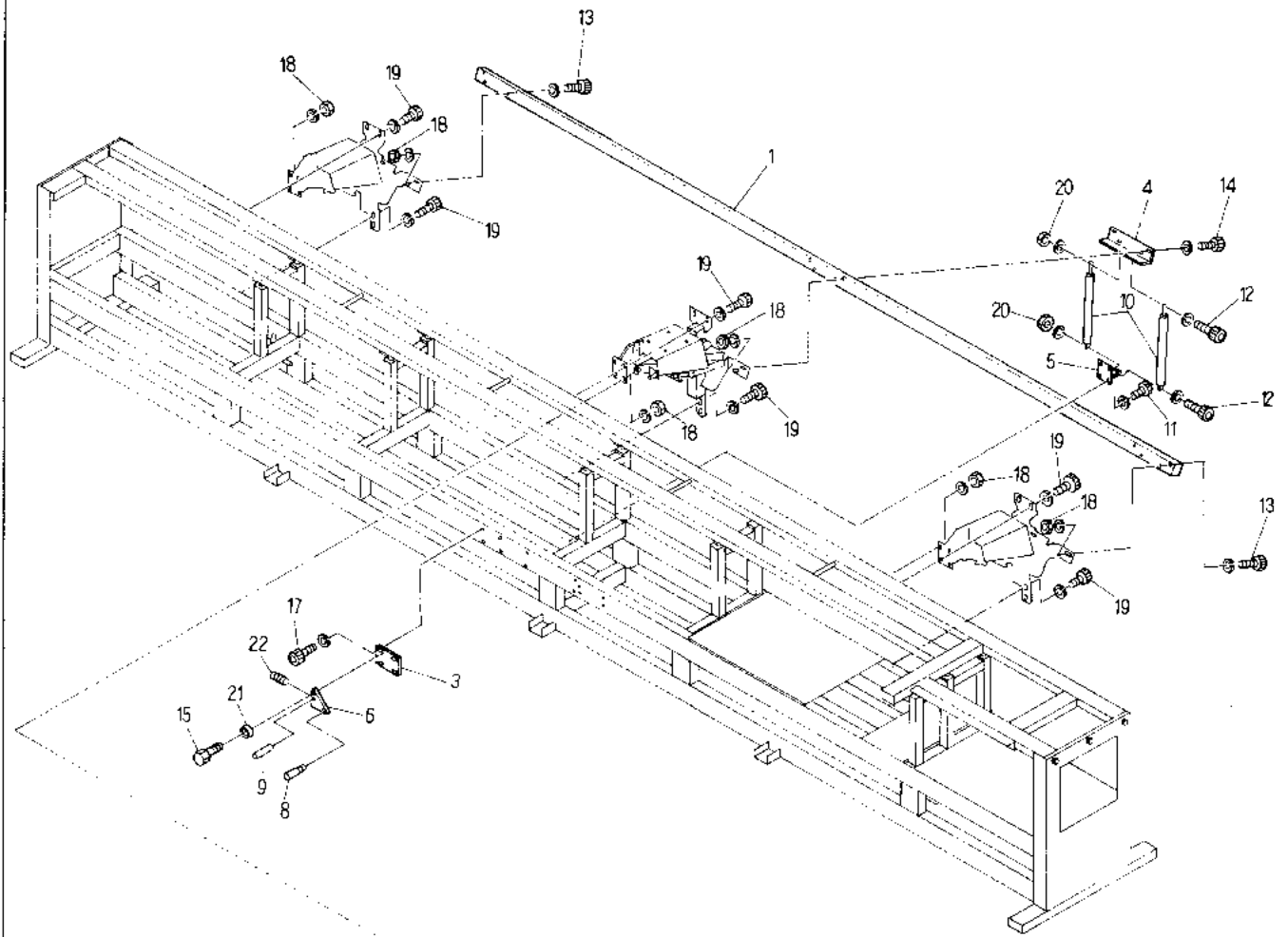


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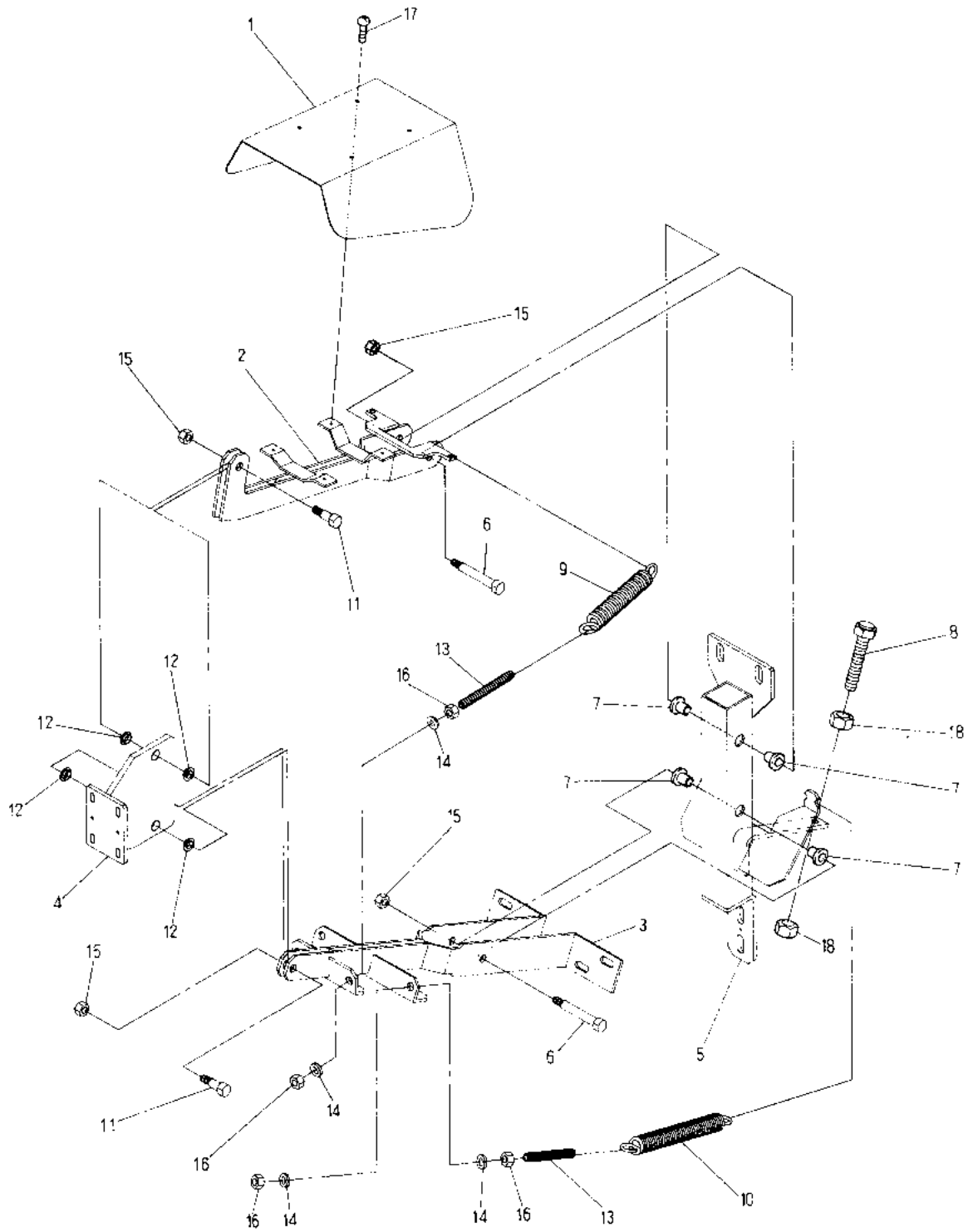


MODEL **BENRME-YN/YS**
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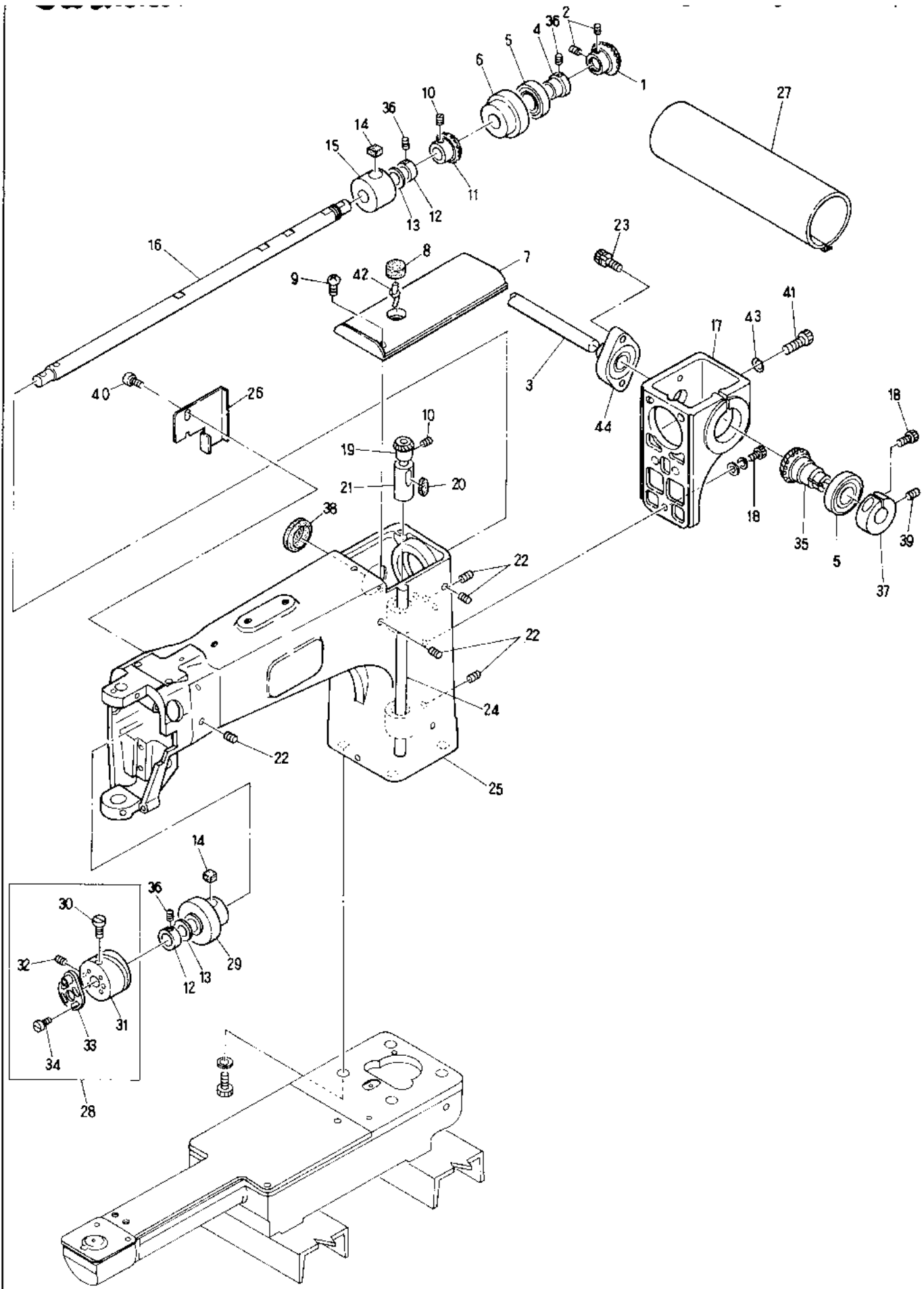
| ITEM | LIST No | DESCRIPTION | Q'TY | REMARK |
|------|---------------|--|------|----------------|
| 1 | 1BKS123804800 | Table (BENSME-12 320×380/480) | 1 | Choice and use |
| | 1BKS153804800 | Table (BENSME-15 320×380/480) | 1 | Choice and use |
| 2 | 1AKS123804800 | Frame (BENSME-12 320×380/480) | 1 | Choice and use |
| | 1AKS153804800 | Frame (BENSME-15 320×380/480) | 1 | Choice and use |
| 3 | 1KKS123804800 | Shelf board (BEMSME-YS-12 320 ×380/480) | 1 | Choice and use |
| | 1KKS153804800 | Shelf board (BEMSME-15 320 ×380/480) | 1 | Choice and use |
| 4 | KR140010 | Table support (L-955) | 1 | |
| 5 | KR140020 | Table support (L-930) | 1 | |
| 6 | KR140040 | Table support (L-420) | | |
| 7 | KK140170 | Table support (L-350) | | |
| 8 | KS140010 | Almi table support | 1 | |
| 9 | KCI110910 | Leg frame side cover R | 1 | |
| 10 | KK140101 | Table guide (Front)(BEMSME-YS-12 320 ×380/480) | 1 | Choice and use |
| | KK140390 | Table guide (Front)(BEMSME-15 320 ×380/480) | 1 | Choice and use |
| 11 | KK140020 | Table stopper bracket | 1 2 | |
| 12 | KK140061 | Table stopper | 6 | |
| 13 | KK140160 | Table stopper lever | 6 | |
| 14 | A9012259 | Knob bolt KT-B3 L:10(M8) | 6 | |
| 15 | | Hex. nut M10 | | |
| 16 | | Hex. socket bolt M6×20 | | |
| 17 | | Truss screw M6×8 | | |
| 18 | | Truss plus screw 5 ×23 | | |
| 19 | | Truss blind tapping screw 4.5×24 | | |
| 20 | | Truss socket wood screw 3.8×20 | | |
| 21 | KR140050 | Table supporting plate | 2 | 15...3 |
| 22 | MA140320 | Center table supporting plate bracket | 2 | 15...3 |
| 23 | A9012032 | Knob bolt KT-B L-20(M8) | 2 | 15...3 |
| 24 | A9012186 | Pole plunger PRF-8 | 6 | |
| 25 | | Hex. nut (M8) | | |
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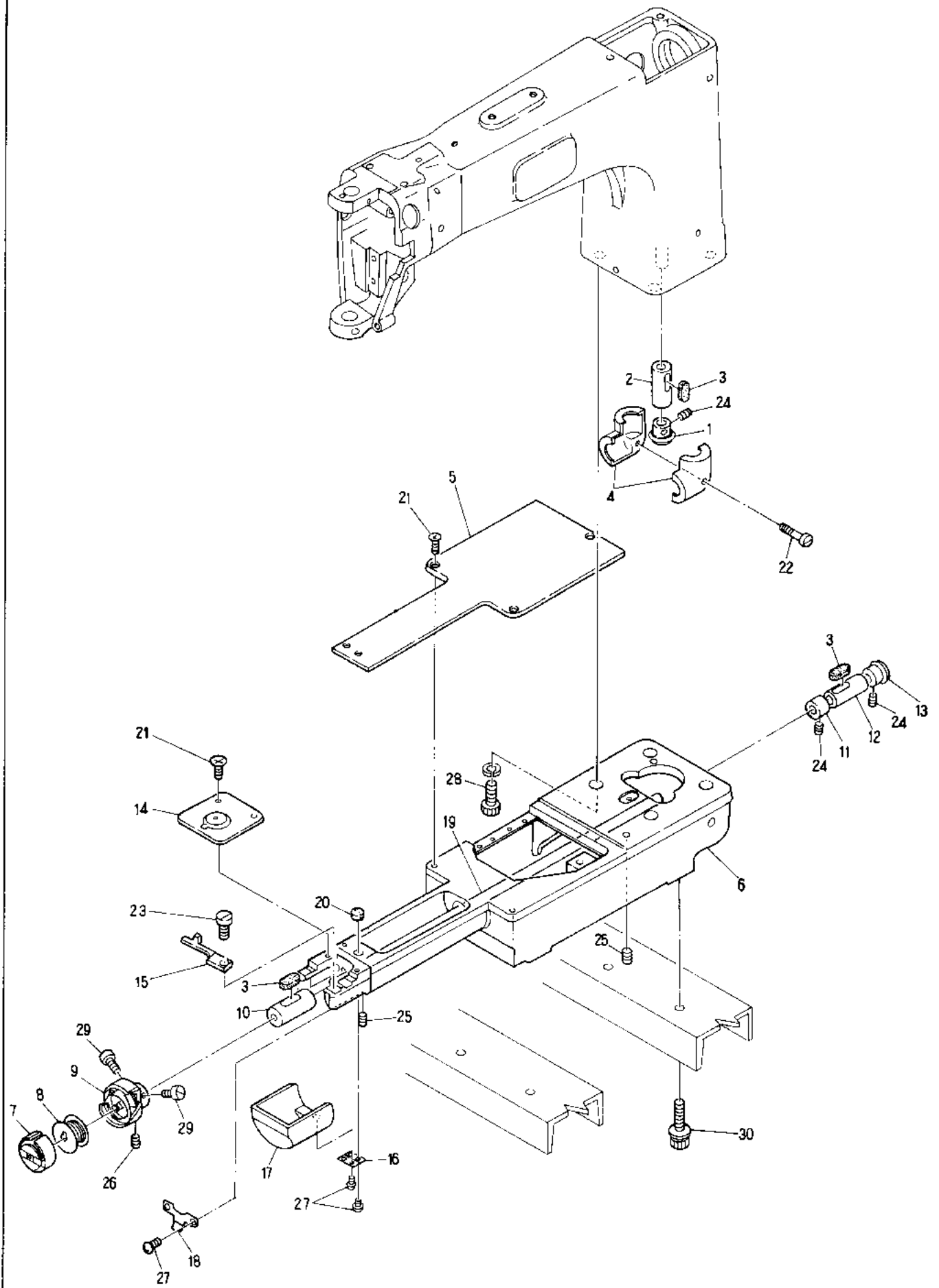


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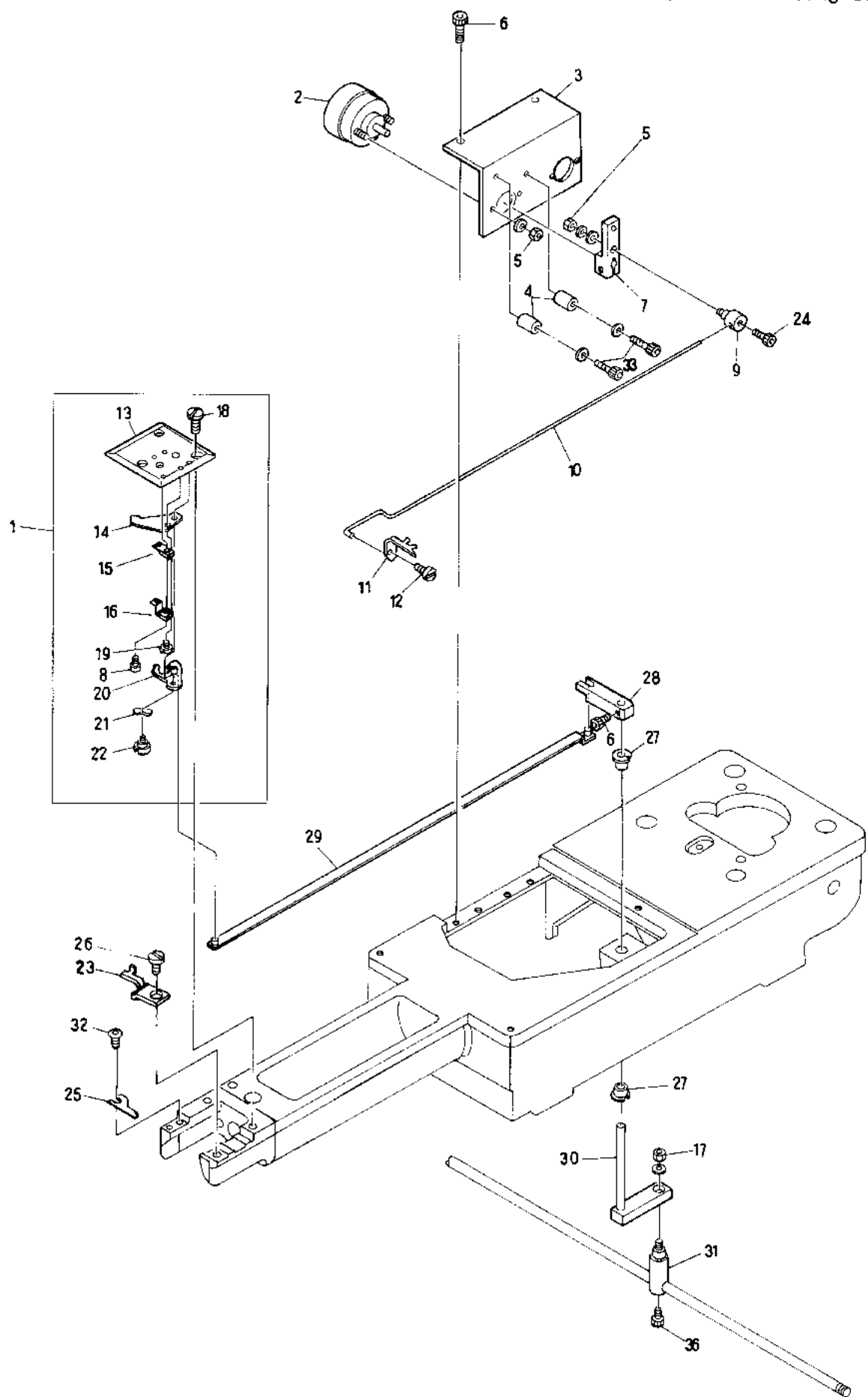


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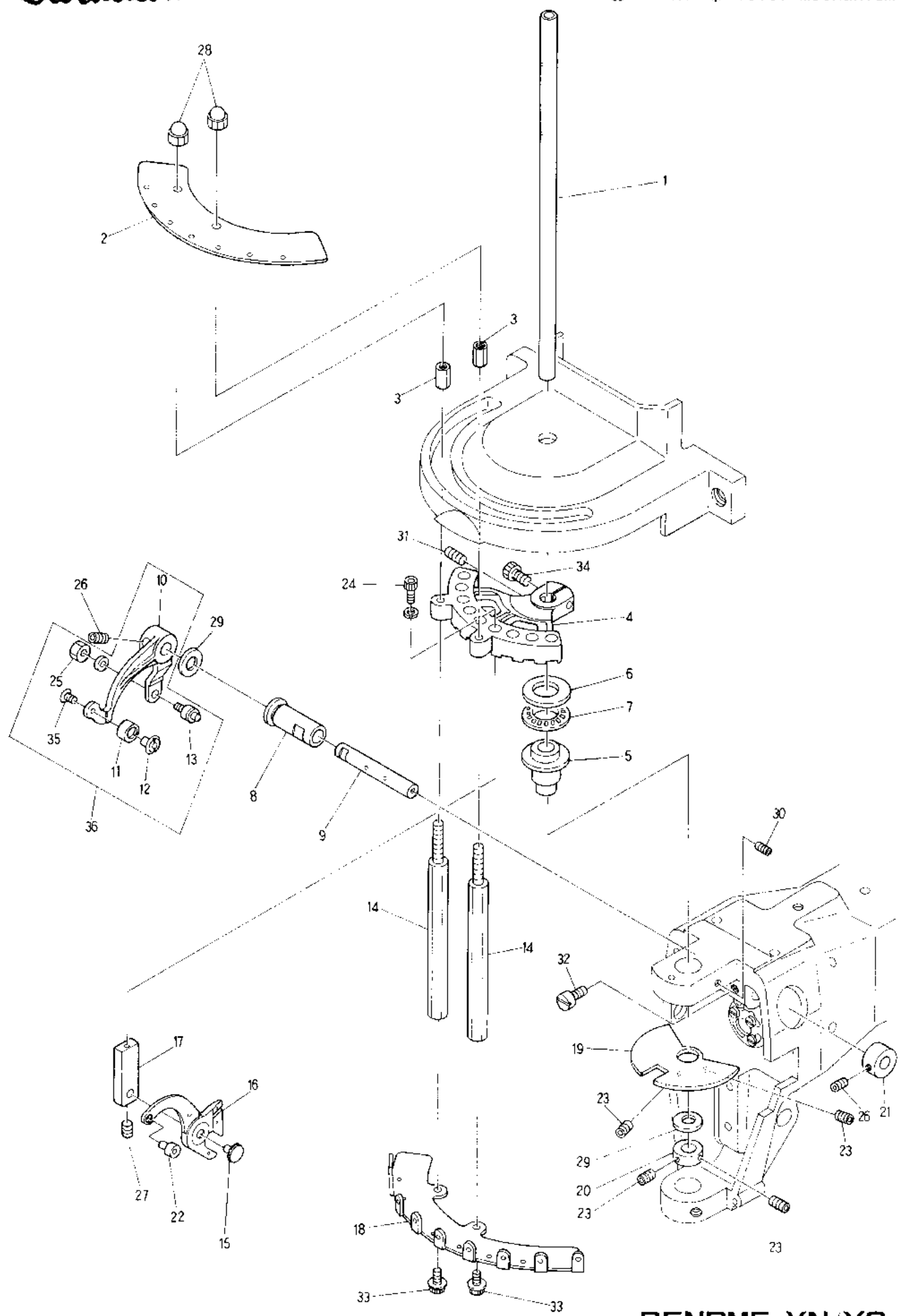
| ITEM | LIST No | DESCRIPTION | QTY | REMARK |
|------|-----------|---|-------|----------------|
| 1 | KL220100 | Upper gear (M1.5 25R) | H×1 | |
| 2 | | Hex. socket set screw M6×6 (With adhesion) | H×2 | |
| 3 | | Upper connecting shaft φ15 | | |
| 4 | KL220090 | Upper gear rear bearing collar | H×1 | |
| 5 | A9010017 | Bearing (600422) | H×2 | |
| 6 | KL220040 | Upper gear rear bearing case | 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 (Upper) | H×1 | |
| 12 | KL220080 | Upper shaft collar | H×2 | |
| 13 | HP231390 | Thrust washer (Upper gear) | H×2 | |
| 14 | KL220130 | Oil felt B | H×2 | |
| 15 | KL220030 | Upper shaft middle metal | H×1 | |
| 16 | KL220000 | Upper 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 screw M6×8 (With spring washer) | | |
| 24 | KL220010 | Vertical shaft | H×1 | |
| 25 | KB210160 | Arm | H×1 | |
| 26 | KL250051 | Arm side cable cover | H×1 | |
| 27 | 1PKV12380 | Shaft cover set (NSME-12) | 1 Set | Choice and use |
| | 1PKV15380 | Shaft cover set (NSME-15) | 1 Set | Choice and use |
| 28 | KB230010 | Take up levercam K6 90° With crank | H×1 | |
| 29 | KL220020 | Upper shaft front metal | H×1 | |
| 30 | KF230420 | Take up lever cam set screw | H×1 | |
| 31 | KB230030 | Take up lever cam K6 | 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) For bobbin | 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 | KC251330 | Oil core L=75 | H×1 | |
| 43 | | Flush spring M6 | | |
| 44 | HP321140 | Top connecting shaft bearing unit | H×1 | |

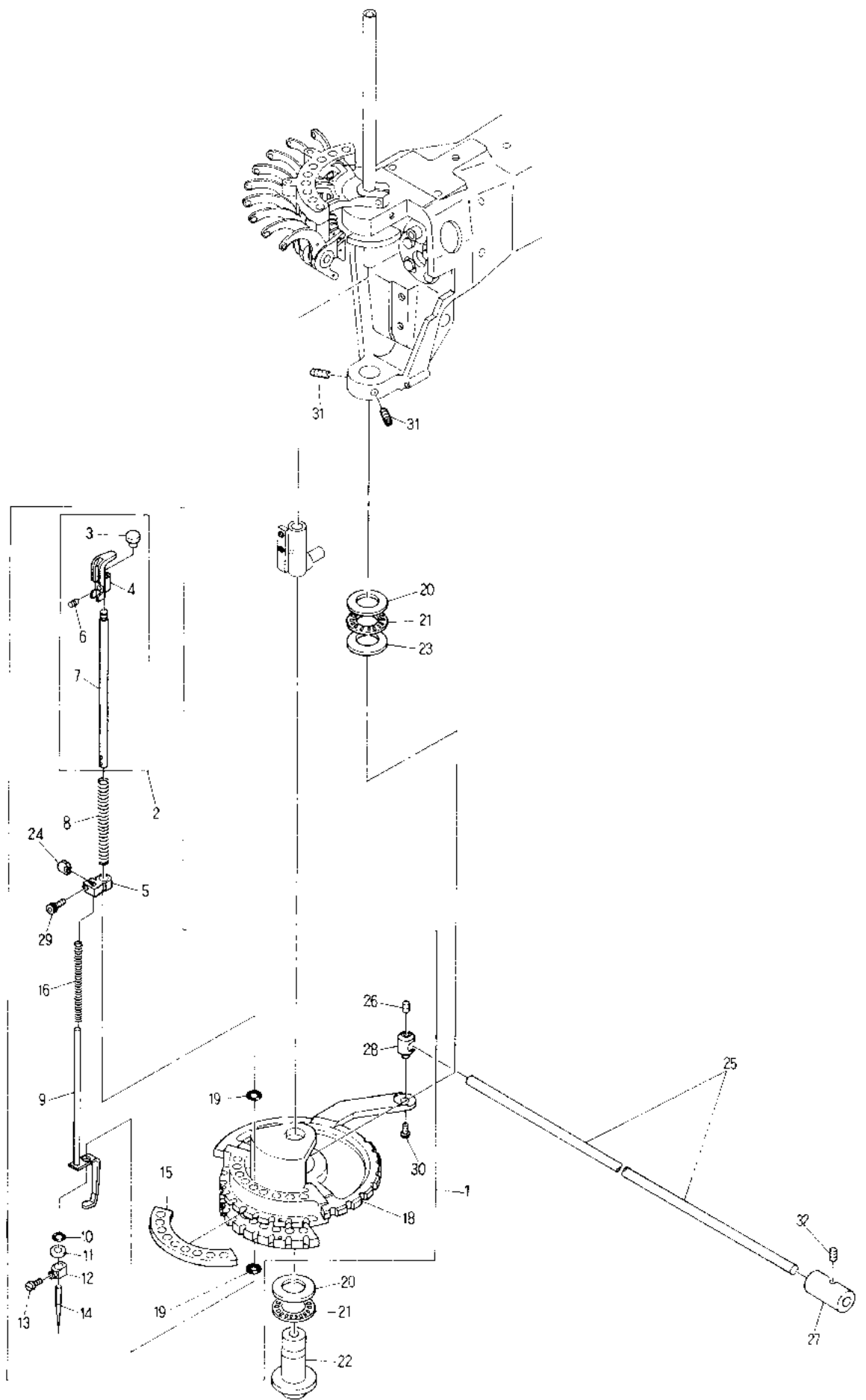


MODEL **BENRME-YN/YS**
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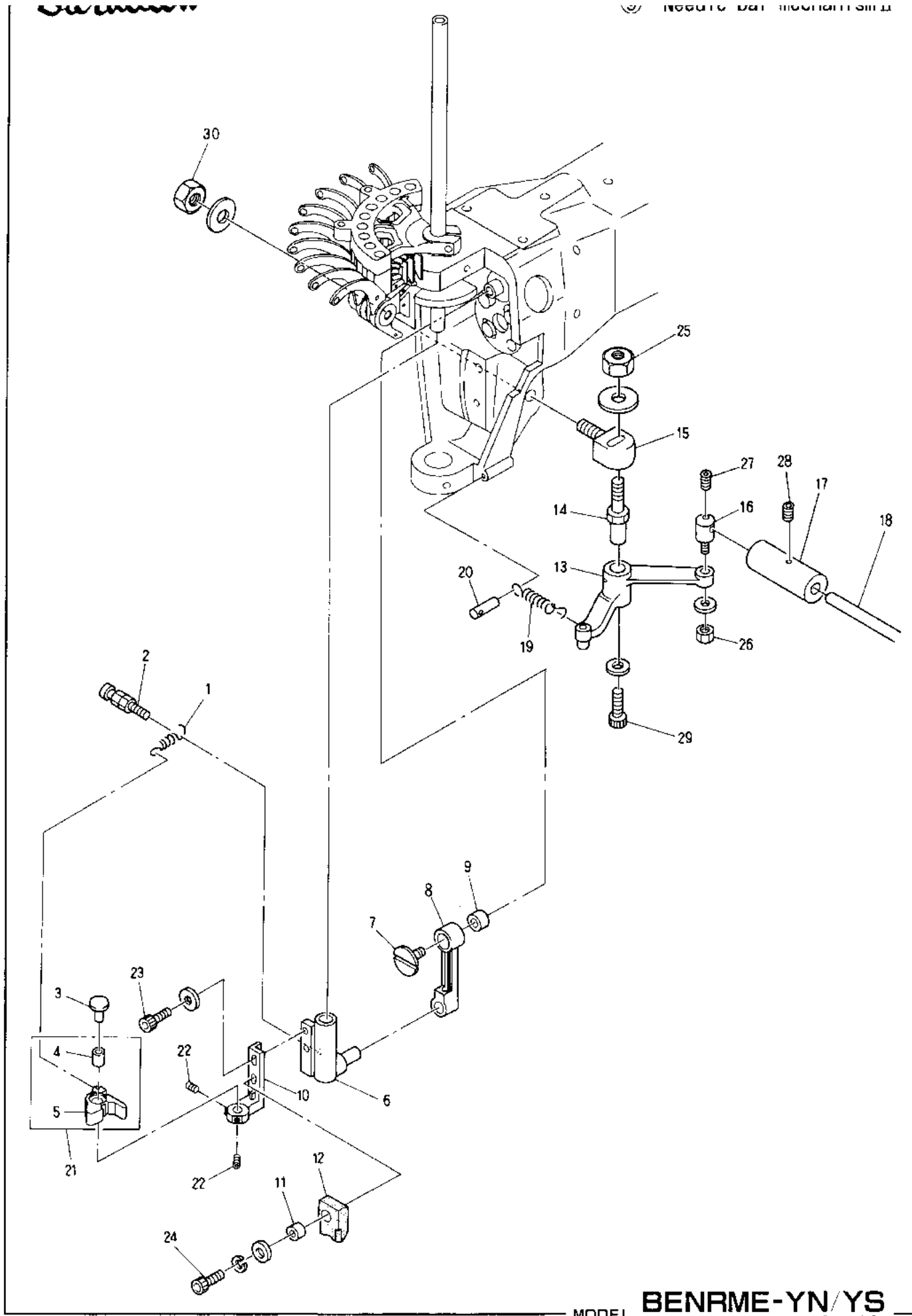


MODEL **BENRME-YN/YS**
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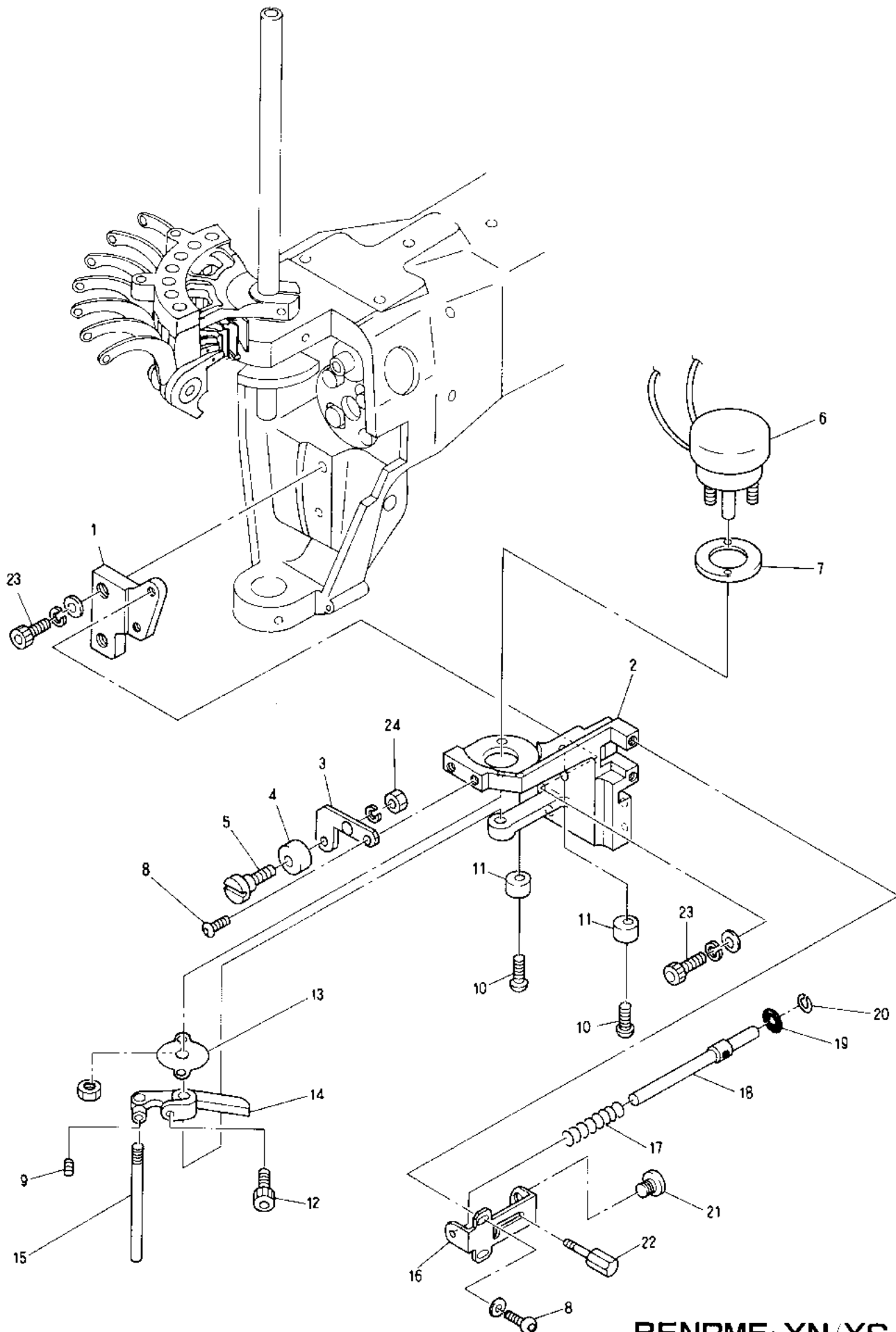




MODEL **BENAME-YN/YS**
BENSME-YN/YS

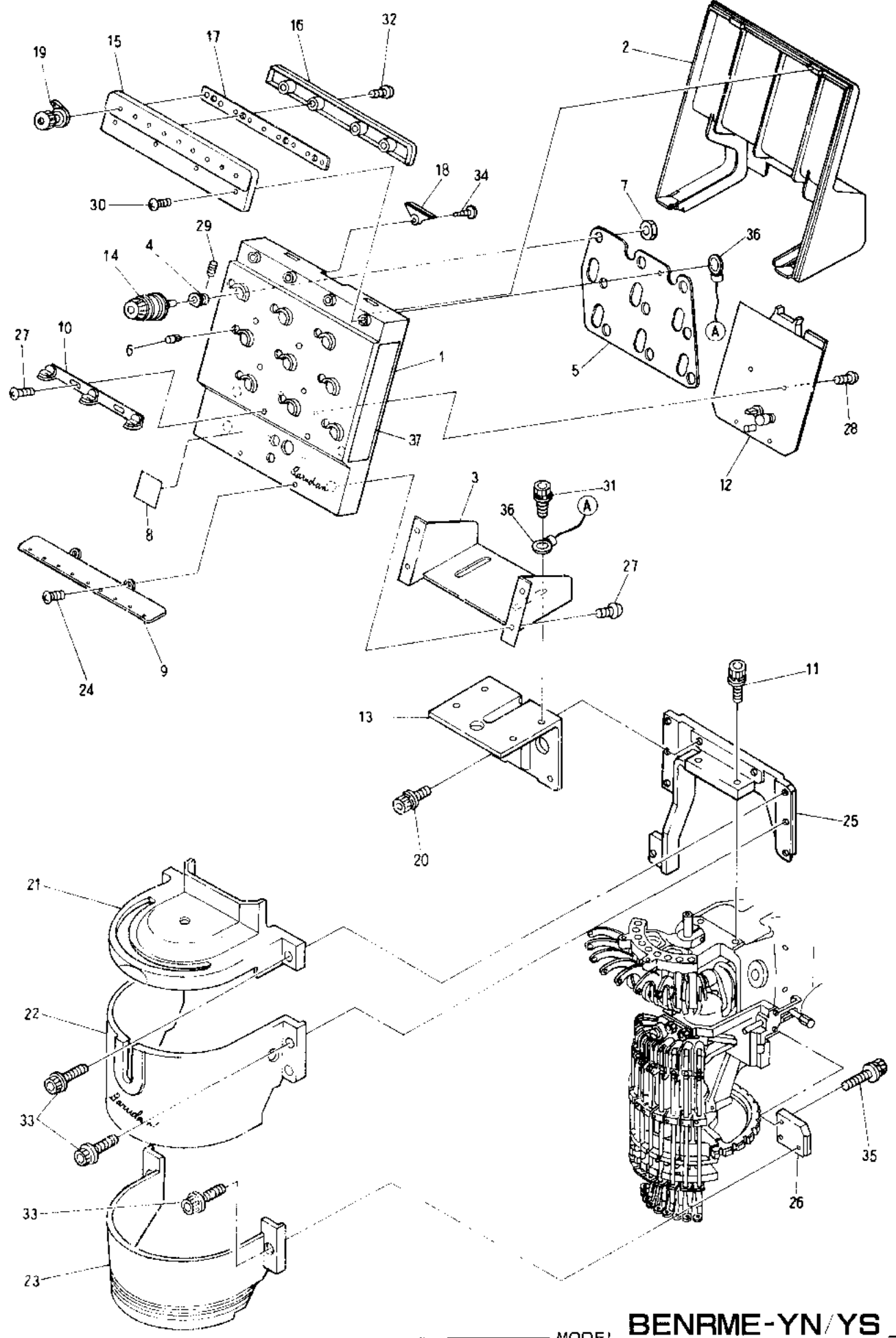


MODEL **BENRME-YN/YS**
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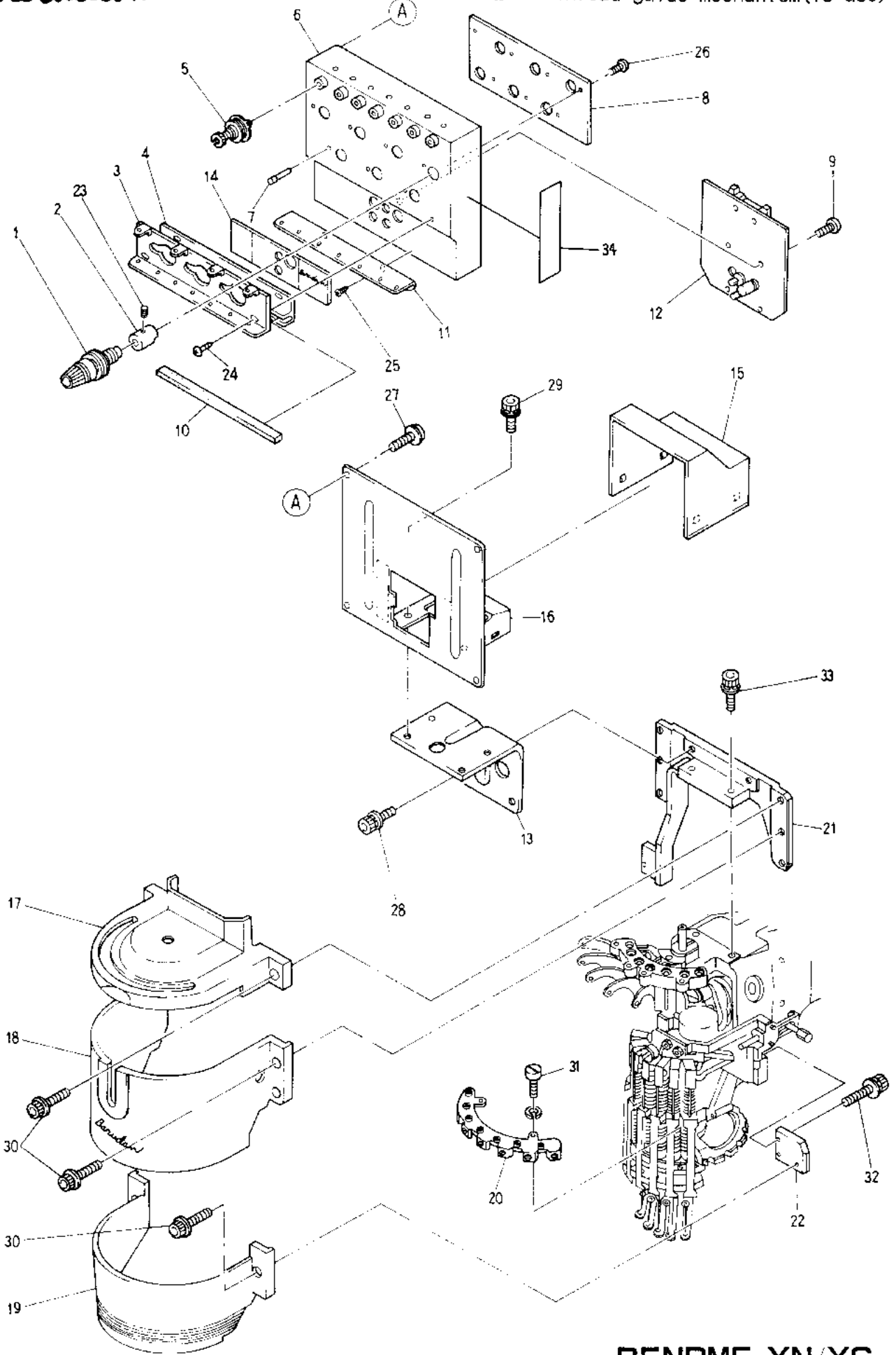
MODEL **BENRME-YN/YS**
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| ITEM | LIST No. | DESCRIPTION | Q'TY | REMARK |
|------|----------|---|------|--------|
| 1 | KB210170 | Solenoid bracket fixing base | H×1 | |
| 2 | KB240030 | Jump solenoid fixing bracket | H×1 | |
| 3 | HB230170 | Needle bar stopper bracket | H×1 | |
| 4 | HT230220 | Needle bar stopper | H×1 | |
| 5 | HT230460 | Needle bar stopper fixing pin | H×1 | |
| 6 | A9056020 | Rotary solenoid (3ER35×3×8×9, L=45) | H×1 | |
| 7 | HB230560 | Sheet for rotary solenoid | H×1 | |
| 8 | | Hex. socket button bolt M4×10 | | |
| 9 | | Hex. socket set screw M4×4 (with adhesion) | | |
| 10 | | Hex. socket button bolt M4×12 (with adhesion) | | |
| 11 | HB240041 | Jump eccentric | H×2 | |
| 12 | | Hex. socket bolt M4×8 | | |
| 13 | HB230580 | Solenoid noise prevention cover | H×1 | |
| 14 | HB240020 | Jump solenoid lever | H×1 | |
| 15 | HB240030 | Jump solenoid lever pin | H×1 | |
| 16 | KB240040 | Cancel bracket | H×1 | |
| 17 | HB240110 | Cancel return spring | H×1 | |
| 18 | HB240070 | Cancel rod | H×1 | |
| 19 | A9014051 | O-Ring P 5 | H×1 | |
| 20 | A9012051 | E Ring (φ6) | H×1 | |
| 21 | HB240090 | Cancel rod guide | H×1 | |
| 22 | HB240080 | Manual cancel pin | H×1 | |
| 23 | | Hex. socket bolt M4×12 | | |
| 24 | | Hex. nut M4 | | |
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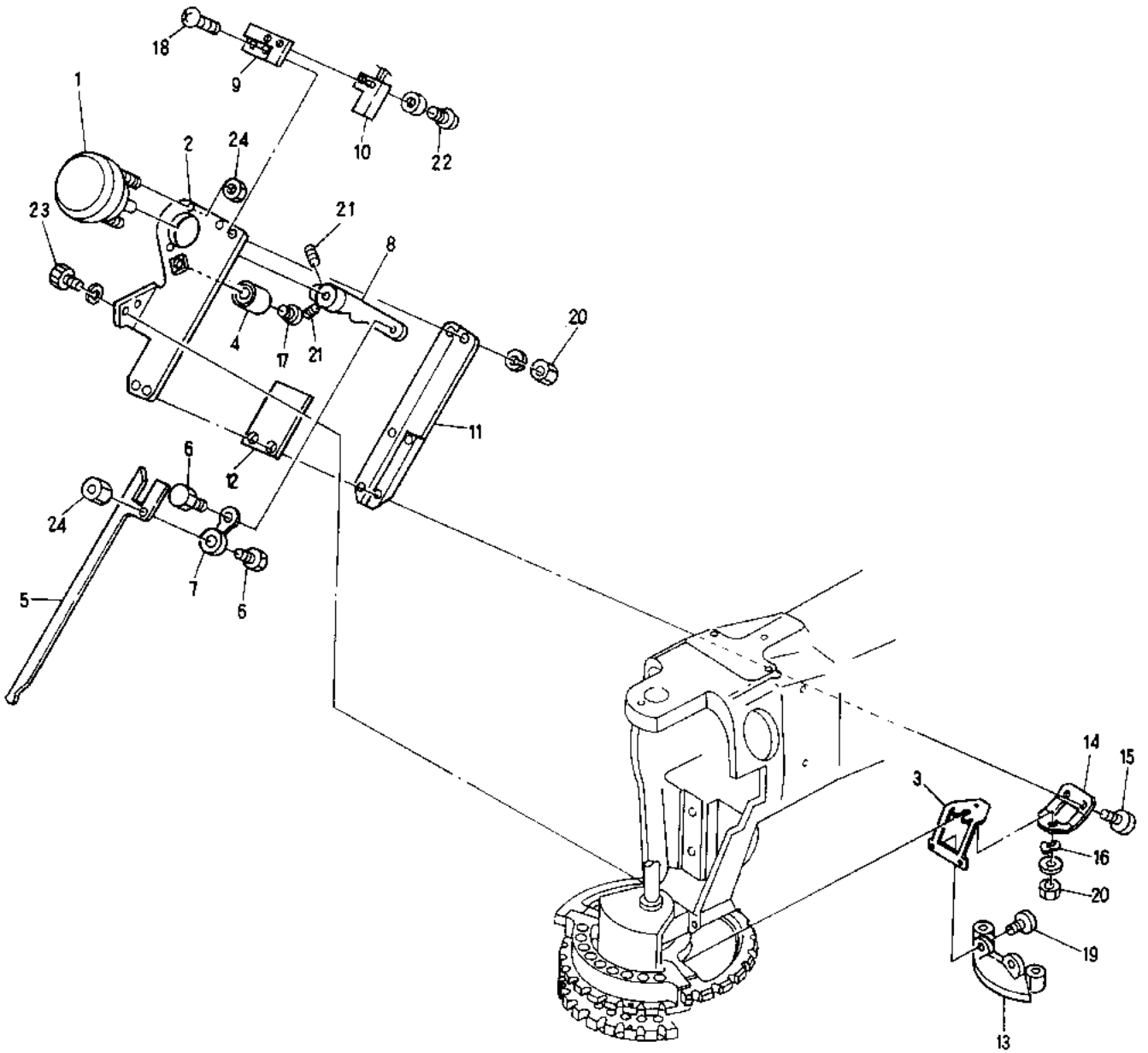
MODEL **BENRME-YN/YS**
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| ITEM | LIST No | DESCRIPTION | Q'TY | REMARK |
|------|----------|---|------|--------|
| 1 | HT240120 | Tension base case | H×1 | |
| 2 | HT240130 | Tension base cover | H×1 | |
| 3 | HT240140 | Tension base base | H×1 | |
| 4 | HT240150 | Base | H×9 | |
| 5 | HT240160 | Tension earth plate | II×1 | |
| 6 | HT240170 | Upper thread detection pin | H×9 | |
| 7 | HT240180 | SM-Nut | H×9 | |
| 8 | | No Label | H×1 | |
| 9 | HT240020 | Second thread guide plate (YN) | H×1 | |
| 10 | HT240060 | First thread guide (YN) | H×3 | |
| 11 | | Hex. socket bolt M5×20 (With plain washer) | | |
| 12 | EBY01100 | 4019 Head board | H×1 | |
| 13 | KB240051 | Tension base bracket (Multi (MS)) | H×1 | |
| 14 | HT240320 | Dial tension unit complete (YN) | H×9 | |
| 15 | HT240210 | Upper thread guide fixing case | H×1 | |
| 16 | HT240220 | Upper thread guide fixing cover | H×1 | |
| 17 | HT240230 | Upper thread guide fixing base | II×1 | |
| 18 | HT240240 | Blind cap | H×1 | |
| 19 | HT240330 | Thread guide for upper tension | II×9 | |
| 20 | | Hex. socket bolt M5×15 (With plain washer) | | |
| 21 | KB250020 | Sewing head cover (A) | H×1 | |
| 22 | KB250030 | Sewing head cover (B) | H×1 | 1 |
| 23 | KB250040 | Sewing head cover (C) | H×1 | |
| 24 | | Tapping screw M4×10 | | |
| 25 | KB250050 | Sewing head cover fixing bracket | H×1 | |
| 26 | KB250060 | Sewing head cover fixing stay | H×1 | |
| 27 | | Truss screw M4×10 | | |
| 28 | | Taspping pan screw M3×8 | | |
| 29 | | Hex. socket set screw M4×12 | | |
| 30 | | Pan screw M3×6 | | |
| 31 | | Hex. socket bolt with washer M5×10 | | |
| 32 | | Tapping screw II M3×12 | | |
| 33 | | Hex. socket bolt M4×6 (With plain washer, Spring washer) | | |
| 34 | | Tapping screw M3×12 | | |
| 35 | | Hex. socket bolt M4×15 (With plain washer, Spring washer) | | |
| 36 | HV240000 | Tension earth cable (NS) | H×1 | |
| 37 | HB790030 | Tension base caution label | H×1 | |
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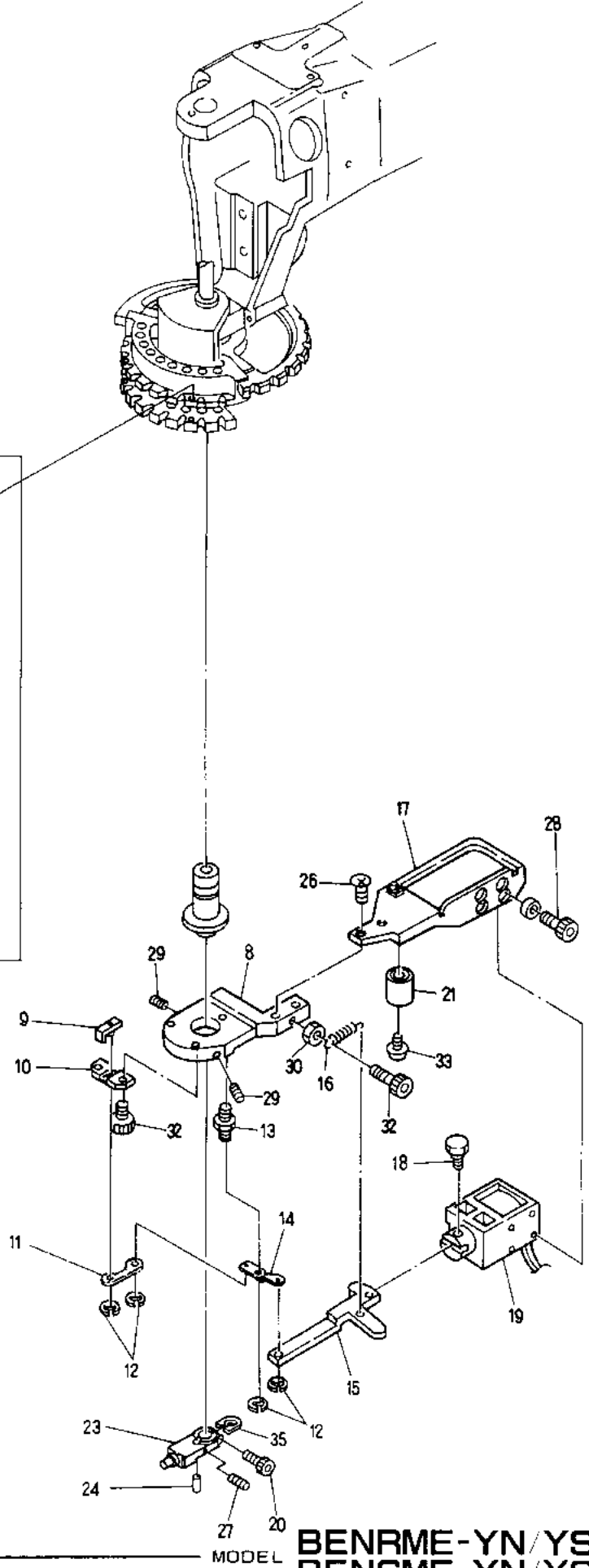
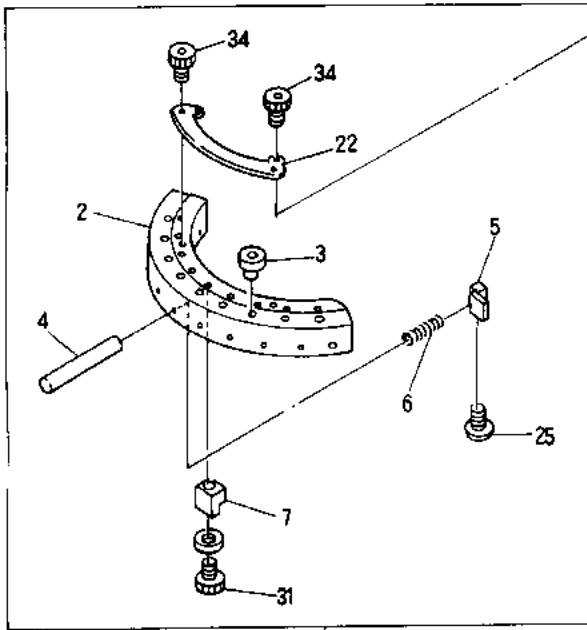
| ITEM | LIST No. | DESCRIPTION | Q'TY | REMARK |
|------|----------|---|------|-----------------------|
| 1 | HT240530 | Dial type tension unit complete (YS) | | YF...H×5, YS...H×7 |
| 2 | HP241150 | Tension base (With screw) | | YF...H×5, YS...H×7 |
| 3 | HP241180 | First thread guide (7) | H×1 | YS |
| | HT241170 | First thread guide (5) | H×1 | YF |
| 4 | HP241460 | Thread guide felt fixing plate (7) | H×1 | YS |
| | HP241450 | Thread guide felt fixing plate (5) | H×1 | YF |
| 5 | HP241440 | Upper tension unit complete (D-13.5) | | |
| 6 | HP241122 | Tension base (7) | H×1 | HP241160YS HP241150YS |
| | HP241112 | Tension base (5) | H×1 | HP241160YF HP241150YF |
| 7 | HP241160 | Upper thread detection pin | | YF...H×5, YS...H×7 |
| 8 | HP241381 | Tension earth plate (7) | H×1 | YS |
| | HP241371 | Tension earth plate (5) | H×1 | YF |
| 9 | | Tapping screw 2×8 | | |
| 10 | HP241480 | Thread guide felt (7) | H×1 | YS |
| | HP241470 | Thread guide felt (5) | H×1 | YF |
| 11 | HB240260 | Second thread guide plate (7) | H×1 | YS |
| | HB240270 | Second thread guide plate (5) | H×1 | YF |
| 12 | EBY01070 | 4613 Head board | H×1 | |
| 13 | KB240051 | 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 | YS |
| | KB240070 | Tension base (5) | H×1 | YF |
| 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 | KG250010 | Thread end trap unit a'ssy (7) | H×1 | YS |
| | HP250050 | Thread end trap unit a'ssy (5) | H×1 | YF |
| 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 | | Tapping screw M3.5×8 | | |
| 26 | | Pan screw M3×4 | | |
| 27 | | Pan screw M4×8 (With plain washer) | | |
| 28 | | Hex. socket bolt M5×15 (With plain washer, Spring washer) | H×2 | |
| 29 | | Hex. socket bolt M5×10 (With plain washer, Spring washer) | H×4 | |
| 30 | | Hex. socket bolt M4×6 (With plain washer) | | |
| 31 | | Screw (SM9/64 40×10) | | |
| 32 | | Hex. socket bolt M4×15 (With plain washer, Spring washer) | | |
| 33 | | Hex. socket bolt (With plain washer, Spring washer) | | |
| 34 | HB790030 | Tension base caution label | H×2 | |
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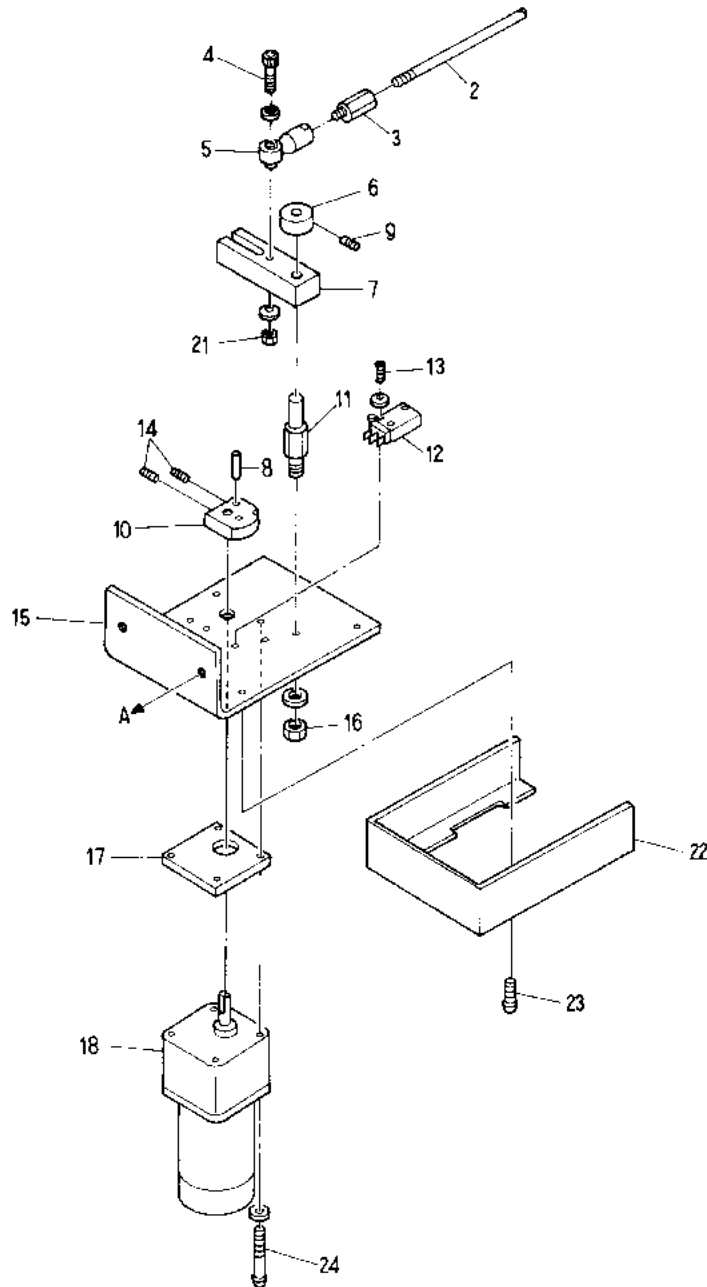
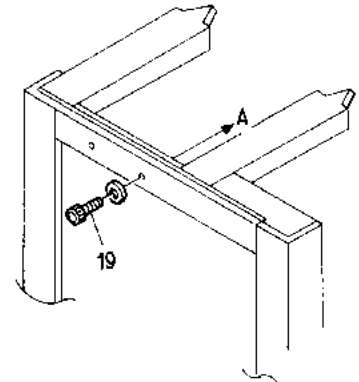
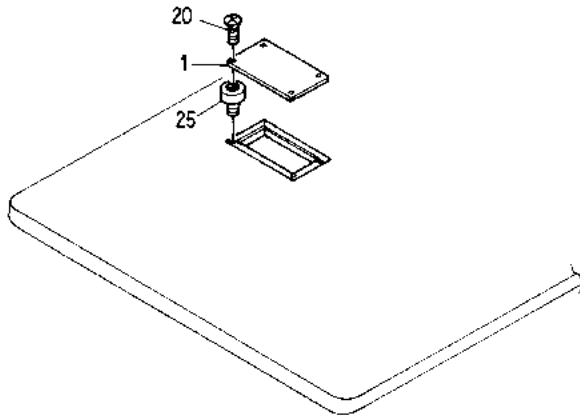
| ITEM | LIST No | DESCRIPTION | QTY | REMARK |
|------|----------|---|------|--------|
| 1 | A9056018 | Rotary solenoid (4ER67.5-31×8×9) orange | H×1 | |
| 2 | KL270081 | Thread away base | H×1 | |
| 3 | HT270070 | Thread hook disk fixing stay | H×1 | |
| 4 | KN272400 | Stopper eccentric | H×1 | |
| 5 | KL270101 | Thread away hook | H×1 | |
| 6 | KL270130 | Lever connecting pin | H×1 | |
| 7 | KL270120 | Connecting plate | H×1 | |
| 8 | KL270110 | Thread away solenoid lever | H×1 | |
| 9 | KL270260 | Switch stay | II×1 | |
| 10 | A9052028 | Proximity switch (RS-603) | H×1 | |
| 11 | KL270091 | Thread away hook guide | H×1 | |
| 12 | KL270450 | Hook guide plate | II×1 | |
| 13 | KL270440 | Thread hook disk CMP | II×1 | |
| 14 | HT270110 | Rotary shaft fixing stay | H×1 | |
| 15 | | Truss screw M3×7 | | |
| 16 | A9013045 | Wave washer (For M5) | H×1 | |
| 17 | | Truss screw M4×16 | | |
| 18 | | Truss screw M3×10 | | |
| 19 | | Truss screw M3×4 | | |
| 20 | | Hex. nut M3 | | |
| 21 | | Hex. socket set screw M4×8 | | |
| 22 | | Truss screw M3×6 | | |
| 23 | | Hex. socket bolt M4×12 | | |
| 24 | | Hex. nut M4 | | |
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(Thread support section)

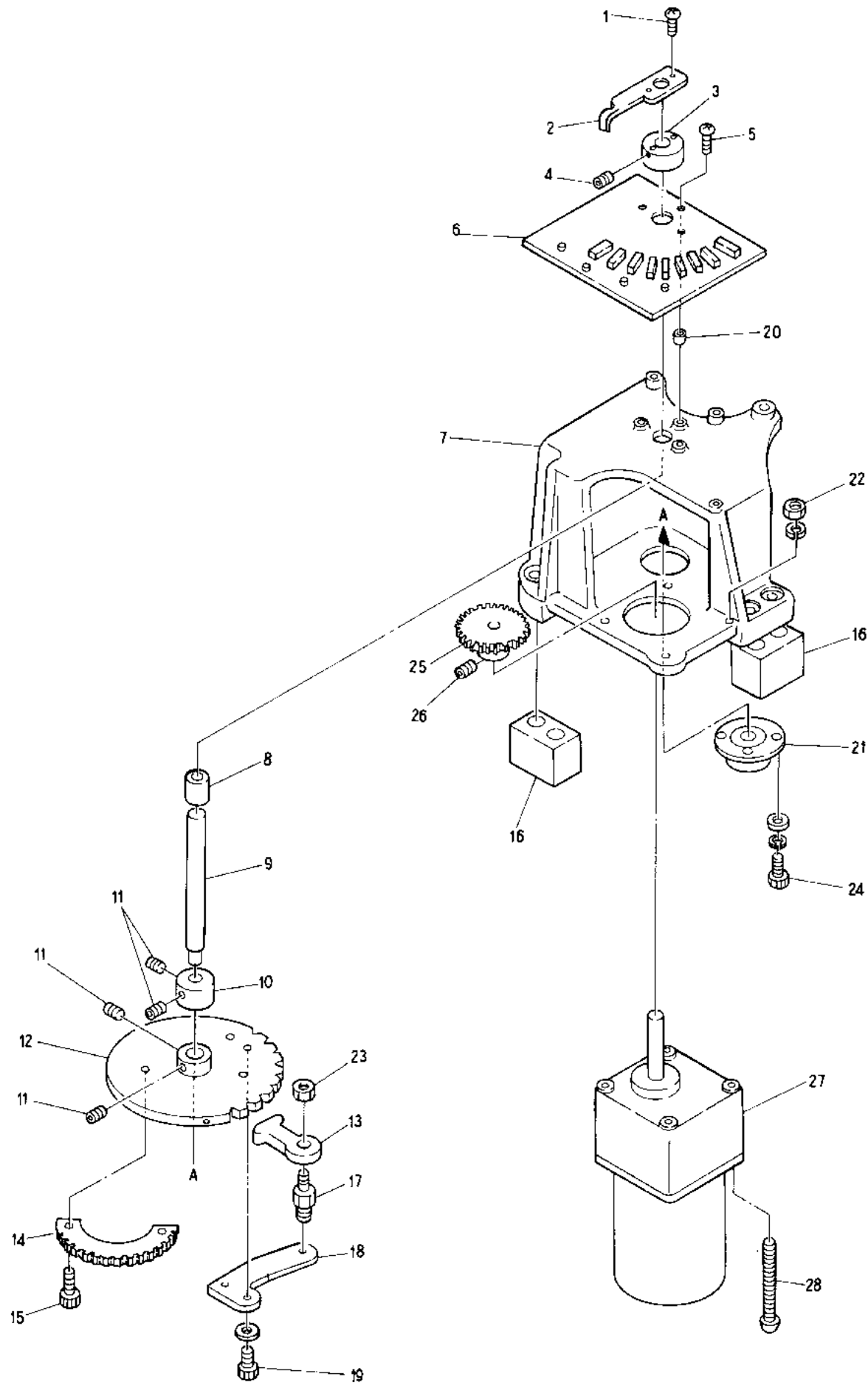


MODEL BENRME-YN/YS
BENSME-YN/YS

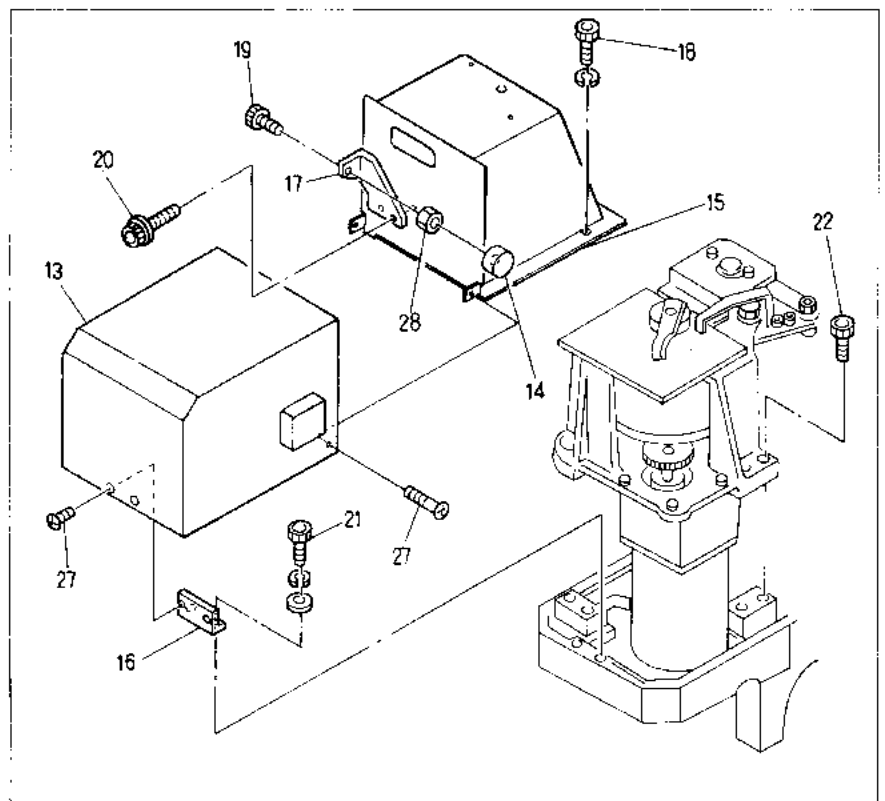
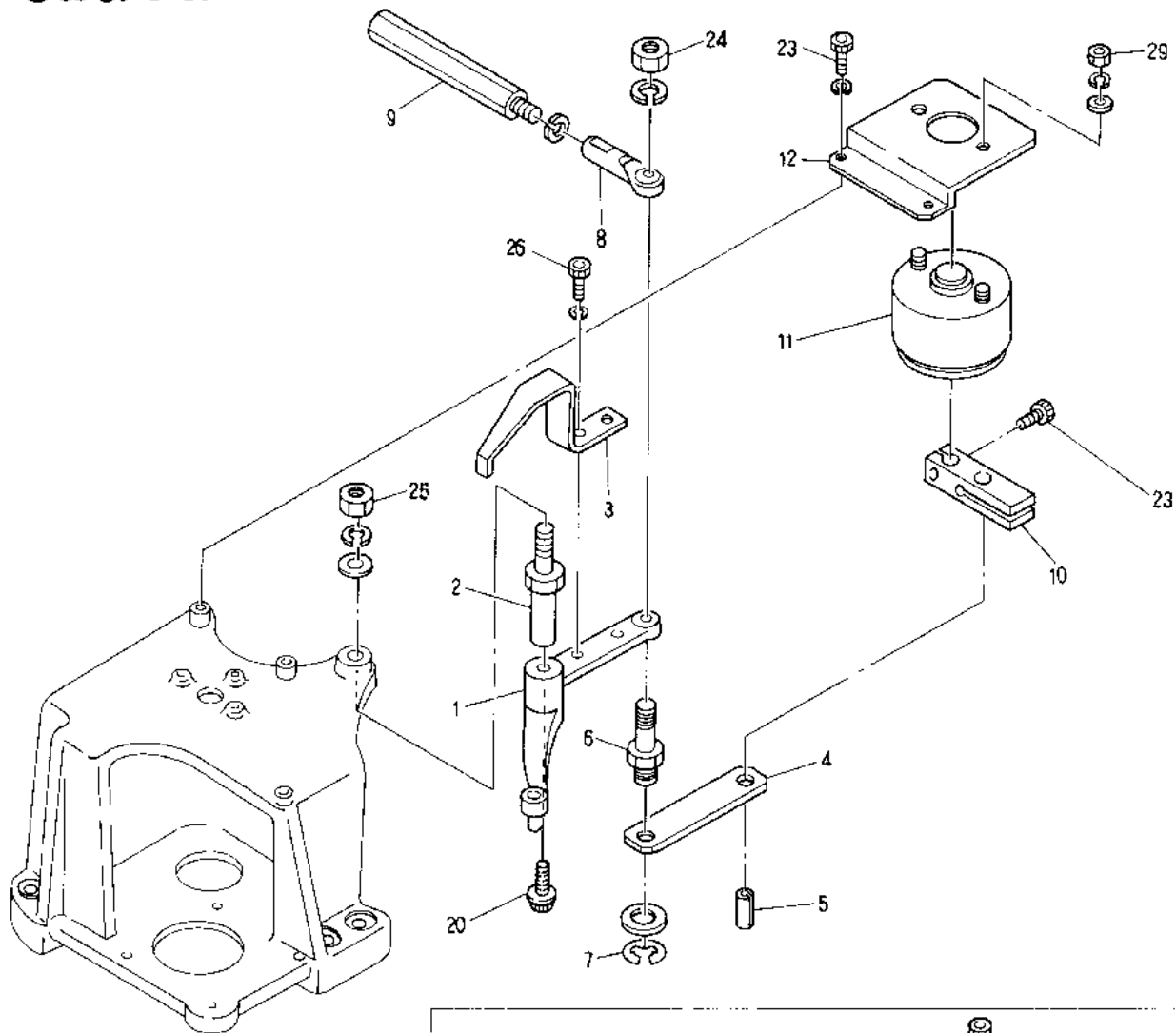
| ITEM | LIST No. | DESCRIPTION | Q'TY | REMARK |
|------|----------|---------------------------------------|------|--------|
| 1 | HT270030 | Thread support apron a'ssy | H×1 | |
| 2 | HT270001 | Thread support apron | H×1 | |
| 3 | KF230580 | Take up lever ceramic | H×9 | |
| 4 | HT270040 | Thread support shaft | H×9 | |
| 5 | HT270021 | Thread support clamp | H×9 | |
| 6 | KC270271 | Support spring | H×9 | |
| 7 | KC270292 | Thread support block | H×9 | |
| 8 | KL270000 | Fixing base φ3 | H×1 | |
| 9 | HT270120 | Thread support slider | H×1 | |
| 10 | HT270100 | Slide base | H×1 | |
| 11 | HT270080 | Driving plate | H×1 | |
| 12 | A9012056 | E-Ring φ3 | H×4 | |
| 13 | KL270040 | Lever rotary shaft | H×1 | |
| 14 | HT270090 | Solenoid lever | H×1 | |
| 15 | KL270060 | Lever connecting plate | H×1 | |
| 16 | KL270520 | Return spring | H×1 | |
| 17 | KL270070 | Solenoid stay | H×1 | |
| 18 | KC270101 | Solenoid pin | H×1 | |
| 19 | A9056013 | Keep solenoid (TDS-K10SL) | H×1 | |
| 20 | HT270640 | Driving shaft fixing clamp bolt | H×1 | |
| 21 | KN272400 | Stopper eccentric | H×1 | |
| 22 | HT270010 | Thread support apron fixing stay | H×1 | |
| 23 | HT230361 | Driving shaft fixing plate | H×1 | |
| 24 | HT270350 | Thread hook disk fixing pin | H×1 | |
| 25 | HT270062 | Set screw for thread support clamp | H×9 | |
| 26 | | Flush screw M4×8 | | |
| 27 | | Set screw M3×5 | | |
| 28 | | Hex. socket bolt M3×6 | | |
| 29 | | Hex. socket set screw M4×8 | | |
| 30 | | Hex. nut M4 | | |
| 31 | | Hex. socket bolt M3×10 | | |
| 32 | | Hex. socket bolt M4×8 | | |
| 33 | | Truss screw M4×16 | | |
| 34 | | Hex. socket bolt (Plating) M3×6 | | |
| 35 | HT230830 | Washer for driving shaft fixing plate | H×1 | |
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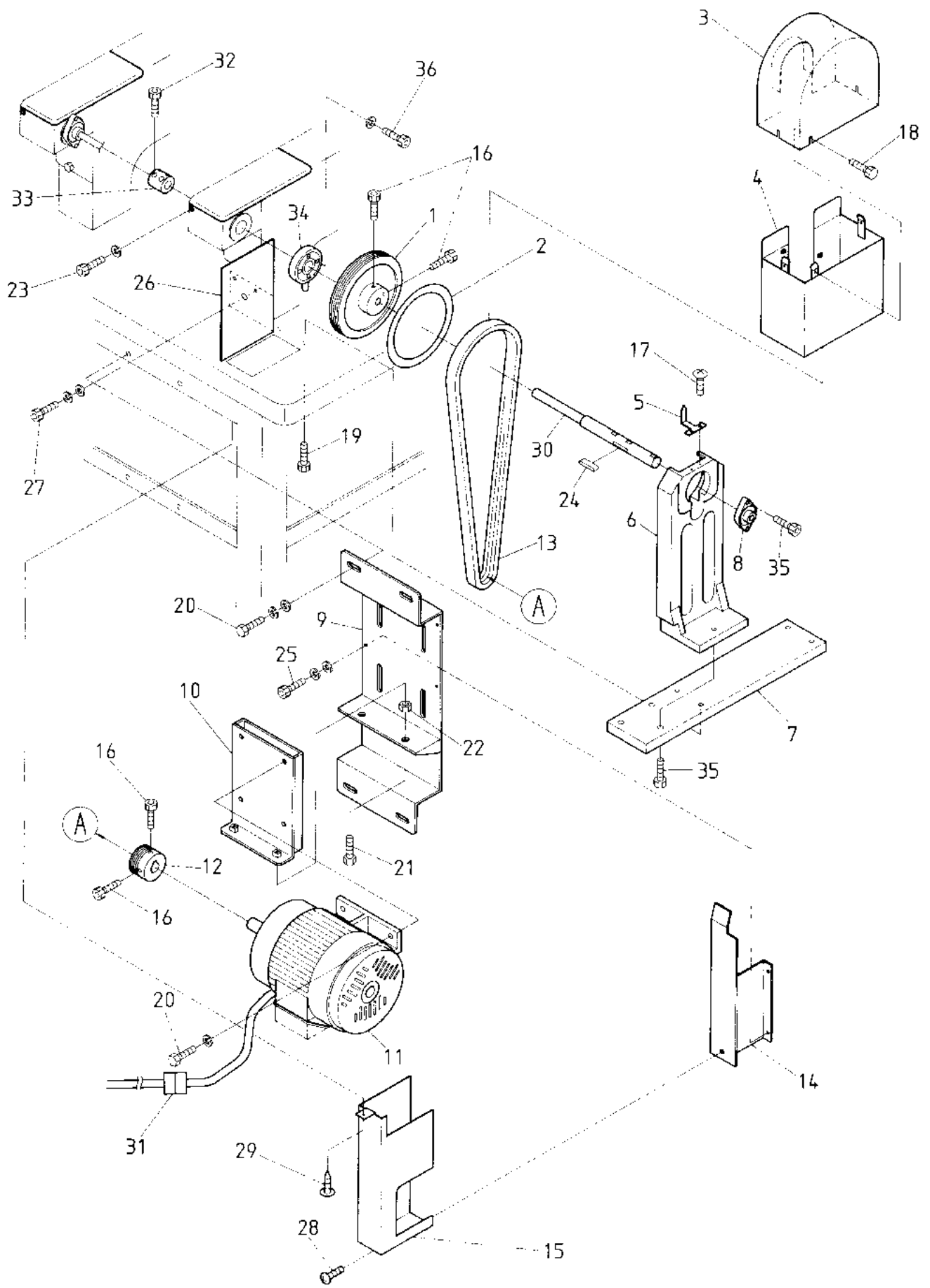
MODEL BENRME-YN/YS
BENSME-YN/YS



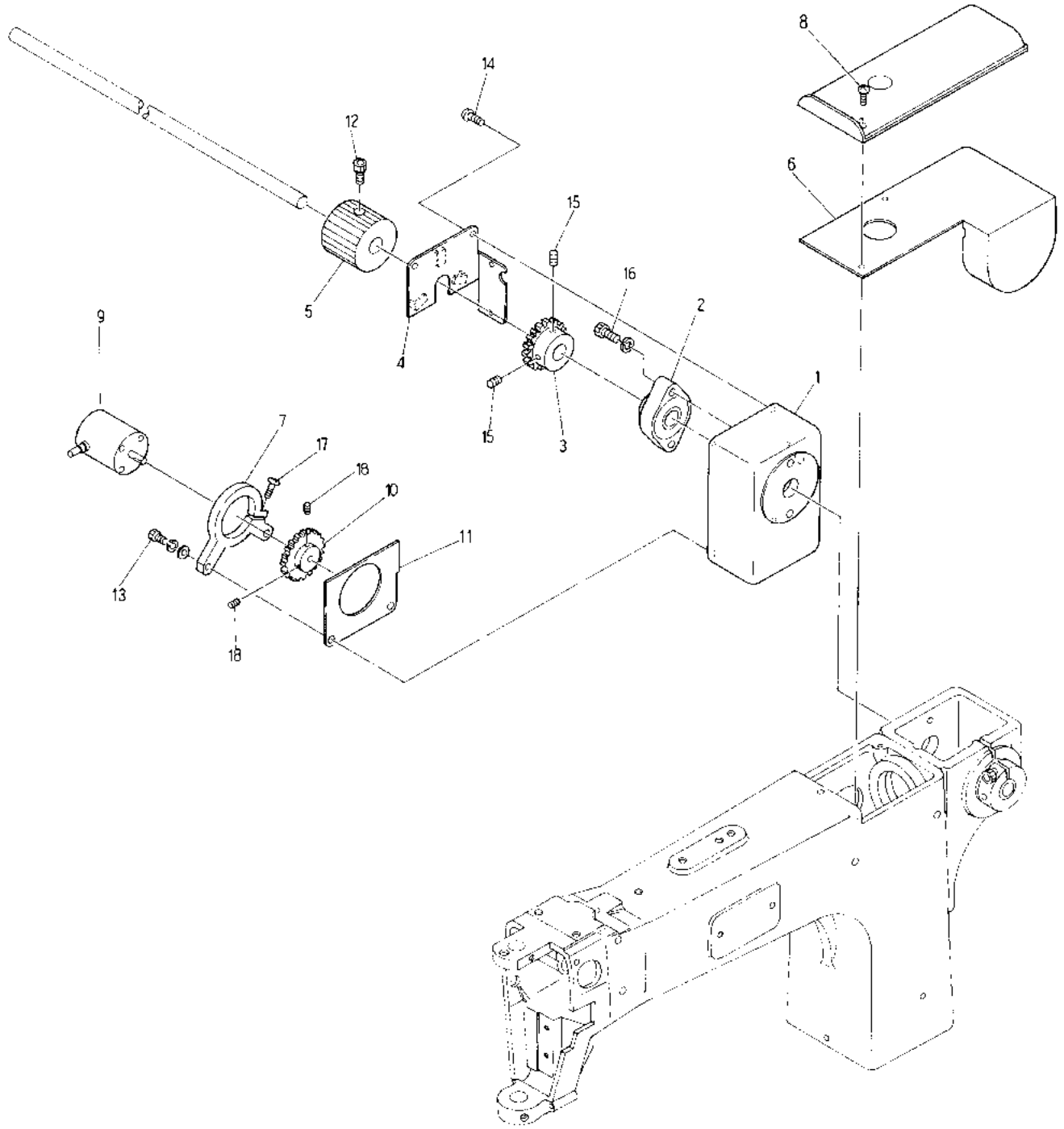
MODEL **BENRME-YN/YS**
BENSME-YN/YS



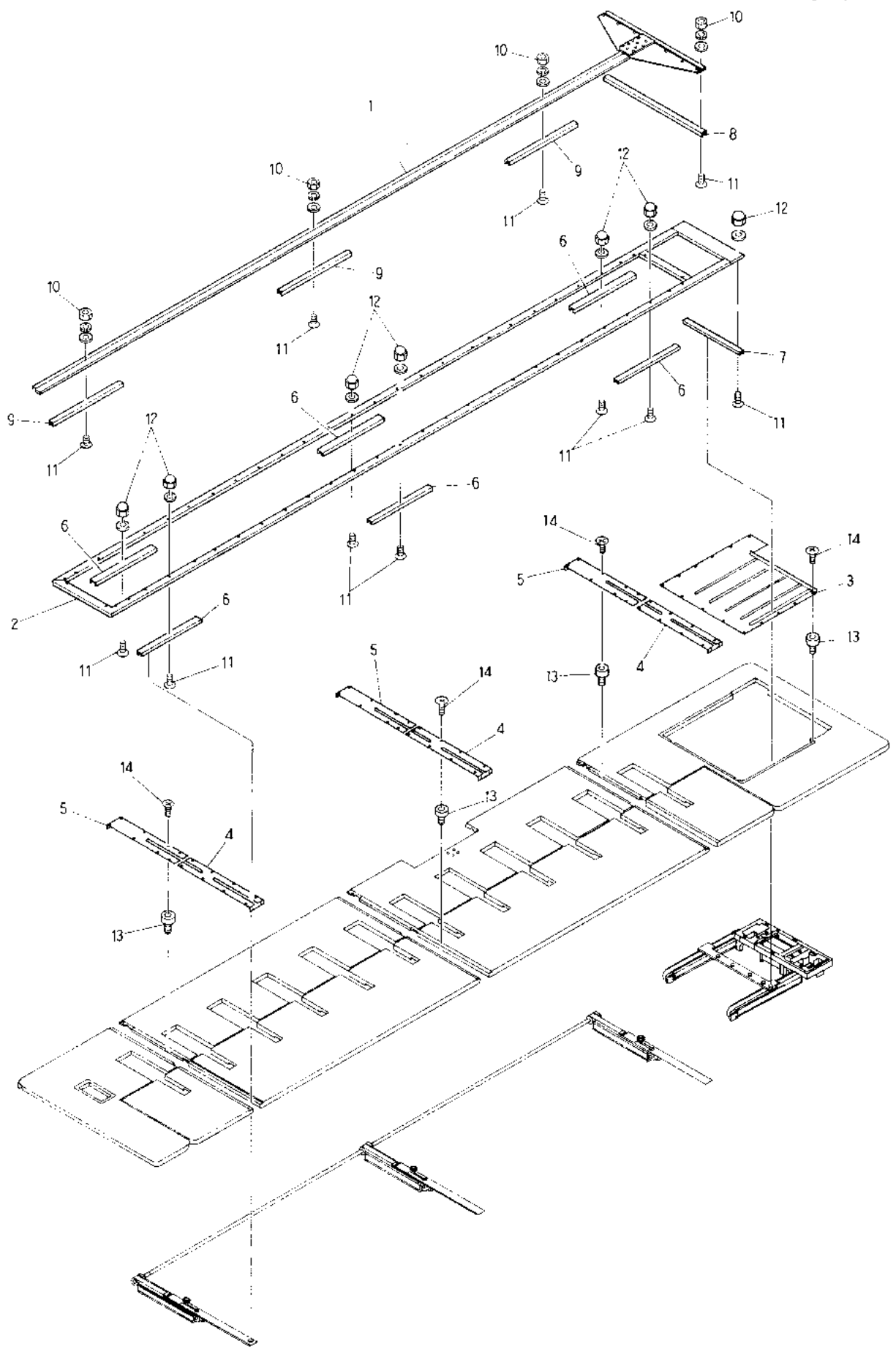
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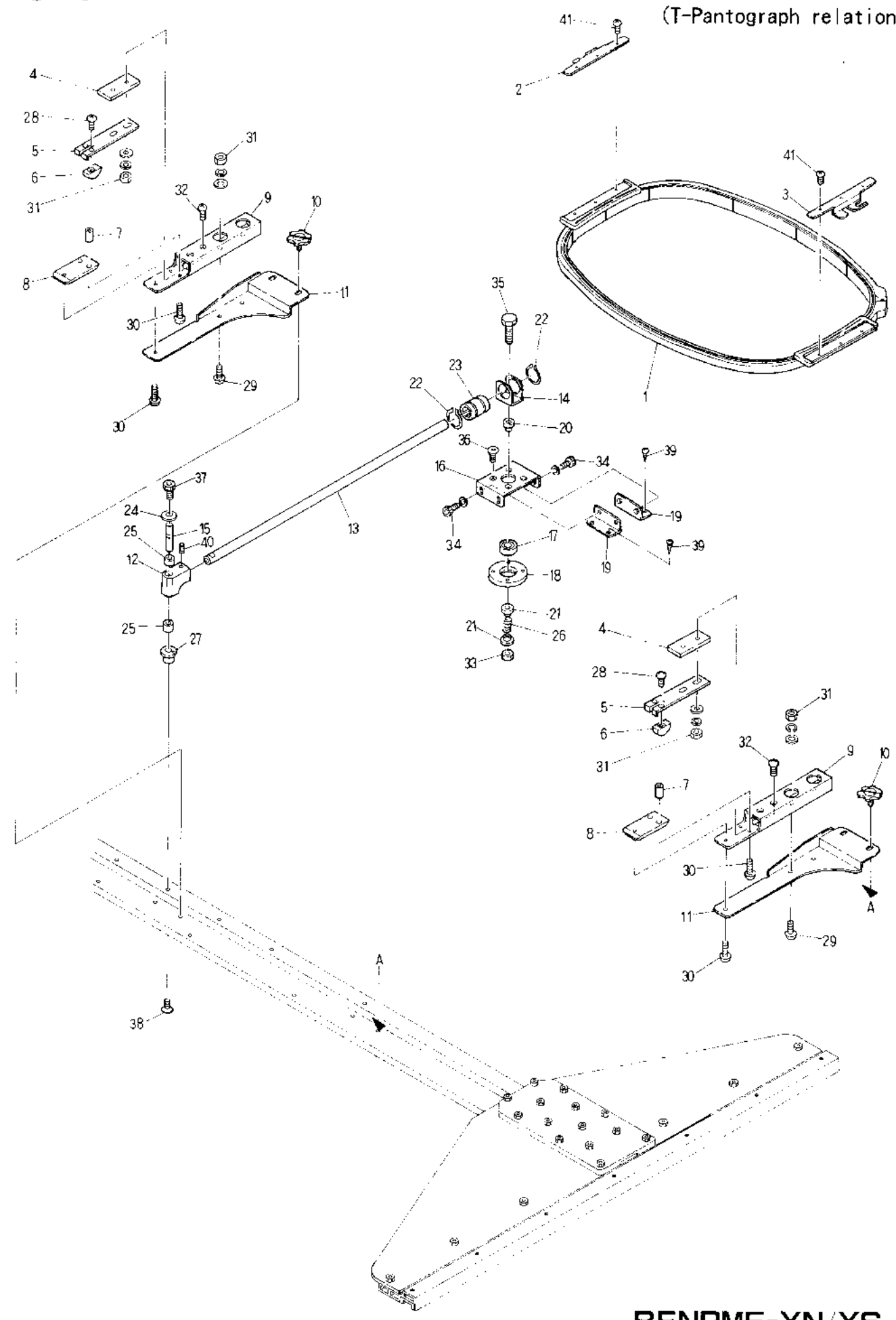
MODEL **BENRME-YN/YS**
BENSME-YN/YS



MODEL **BENRME-YN/YS**
BENSME-YN/YS

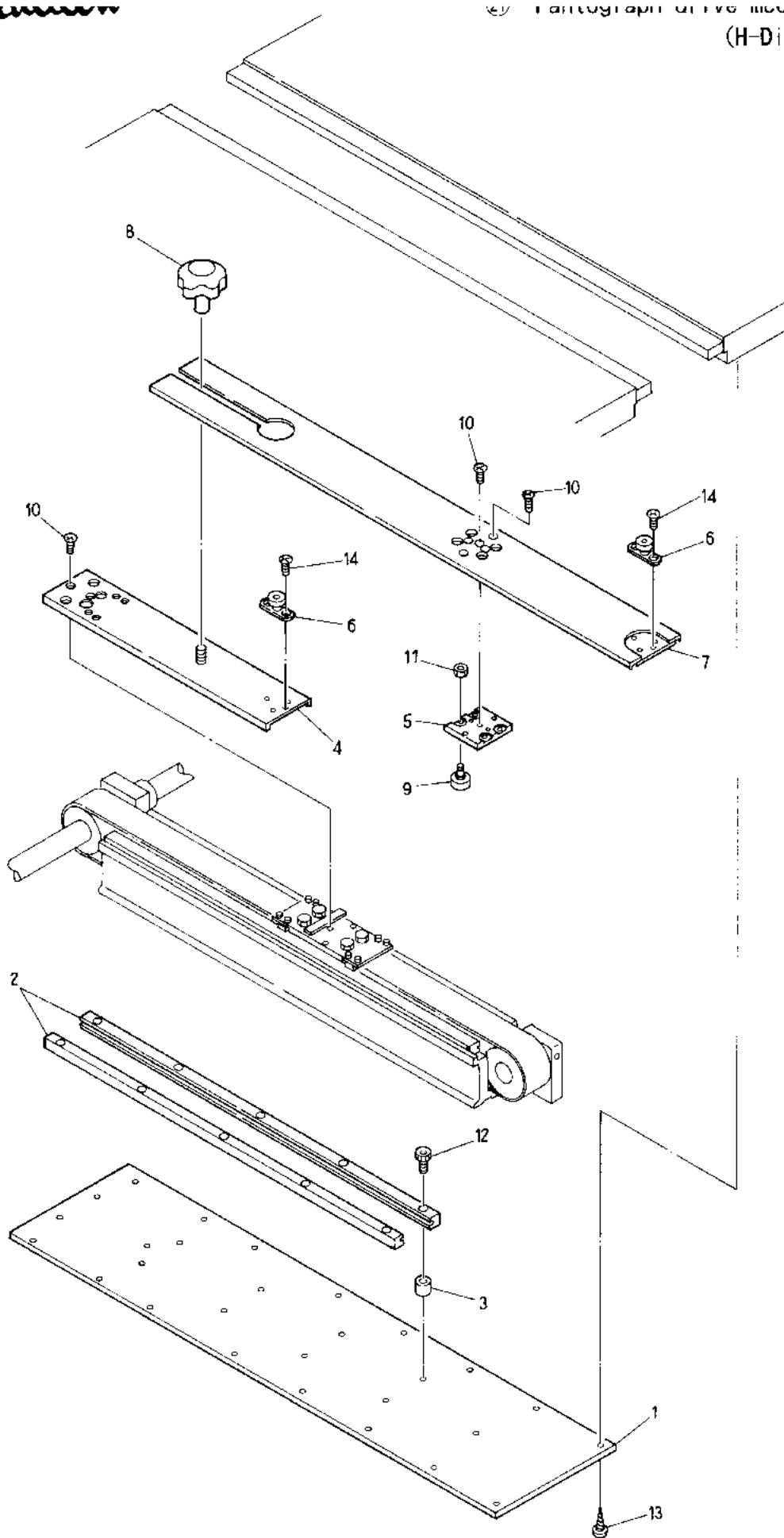


MODEL **BENRME-YN/YS**
BENSME-YN/YS

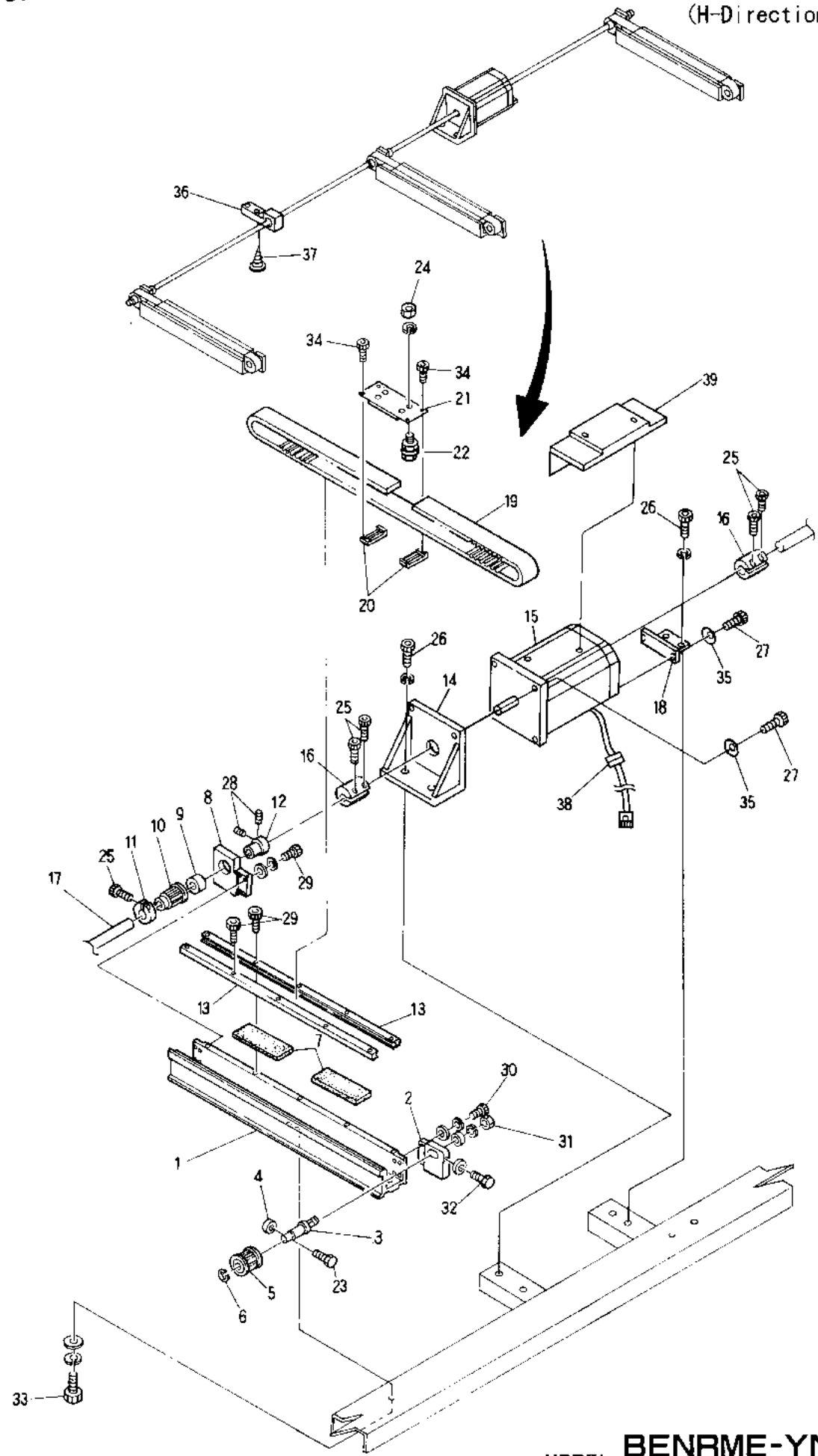


MODEL **BENAME-YN/YS**
BENSME-YN/YS

| ITEM | LIST No. | DESCRIPTION | Q'TY | REMARK |
|------|-------------|-------------------------------------|------|---------|
| 1 | FR92300290A | Square pantograph 320×290 | 1 2 | 15...15 |
| 2 | FR600528 | Metal for allot wood frame (No.1) R | 1 2 | 15...15 |
| 3 | FR600529 | Metal for allot wood frame (No.1) L | 1 2 | 15...15 |
| 4 | HS460200 | Fixing spacer | 1 3 | 15...16 |
| 5 | HS460030 | Frame fixing spring No.2 | 1 3 | 15...16 |
| 6 | HS460050 | Frame fixing block | 2 6 | 15...32 |
| 7 | HS460210 | Frame fixing the position pin | 2 6 | 15...32 |
| 8 | KK460130 | Frame slide plate | 1 3 | 15...16 |
| 9 | KK460050 | Fixing base | 1 3 | 15...16 |
| 10 | HS730000 | Knurling screw for pantograph | 2 6 | 15...30 |
| 11 | KK460061 | Fixing stay | 1 3 | 15...16 |
| 12 | KK460070 | Rotation block | 6 | |
| 13 | KK460090 | Pantograph set driving shaft | 6 | |
| 14 | KK460040 | Bush fixing bracket | 6 | |
| 15 | KK460080 | Rotation shaft B | 6 | |
| 16 | KK460010 | Pantograph set base (Upper) | 6 | |
| 17 | A9010036 | Bearing (6900ZZ) | 6 | |
| 18 | KK460031 | Bearing set plate | 6 | |
| 19 | KK460000 | Pantograph set base (Lower) | 1 2 | |
| 20 | KK460020 | Rotation shaft A | 6 | |
| 21 | KK460120 | Spring set plate | 1 2 | |
| 22 | A9012064 | C-Ring (For shaft) 21 | 1 2 | |
| 23 | A9011131 | Slide bush SMI20LL | 6 | |
| 24 | A9012164 | Thrust washer R-TW 0815 | 6 | |
| 25 | A9011132 | DU Bush MB0805 | 1 2 | |
| 26 | KK460140 | Pantograph set spring | 6 | |
| 27 | A9012264 | DU Bush (MB0808 15FDL) | 6 | |
| 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 | | Pan screw M4×10 | | |
| 37 | | Hex. socket bolt M4×8 | | |
| 38 | | Pan screw M4×12 | | |
| 39 | | Bind tapping screw 4.5×24 | | |
| 40 | | Hex. socket set screw M6×8 | | |
| 41 | | Pan screw M3×6 | | |
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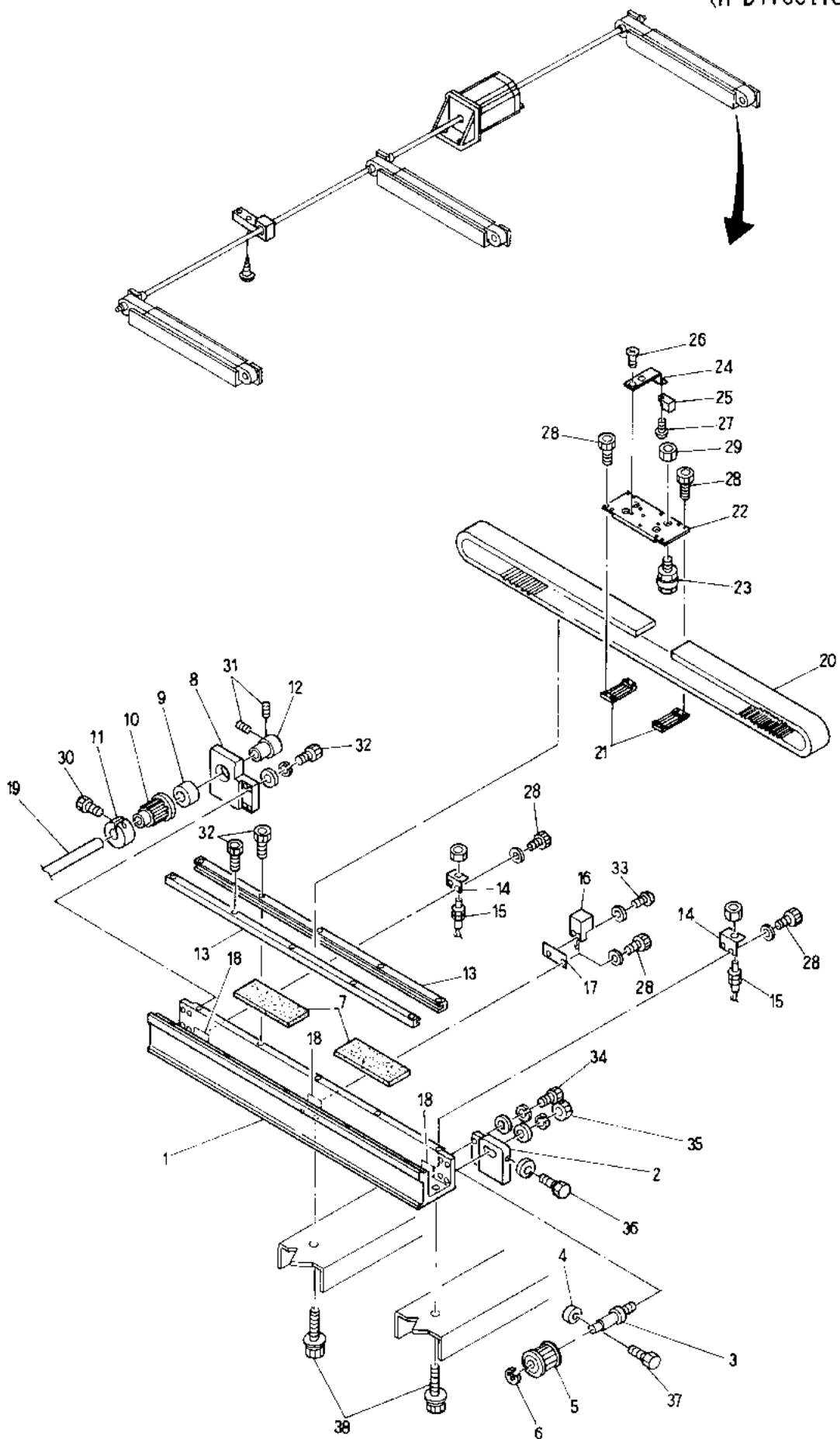
MODEL BENRME-YN/YS
BENSME-YN/YS



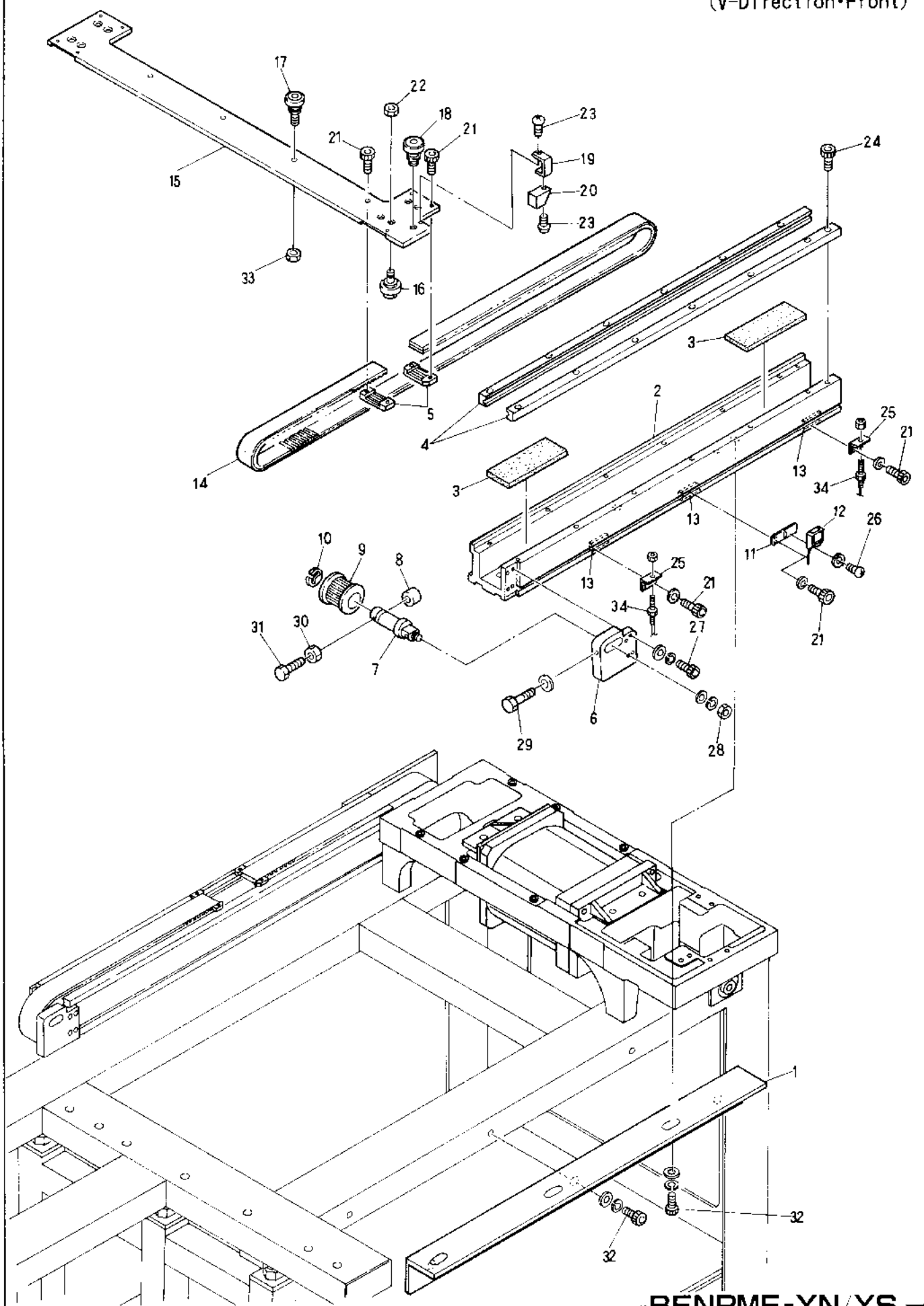
MODEL BENRME-YN/YS
BENSME-YN/YS

| ITEM | LIST No | DESCRIPTION | QTY | REMARK |
|------|--------------|---|-----|--------|
| 1 | KK480010 | H-Guide rail base | 3 | 15-4 |
| 2 | KR480060 | H·V Guide front pulley bracket | 3 | 15-4 |
| 3 | HH481991 | Timing pulley shaft | 3 | 15-4 |
| 4 | HH482110 | Pulley shaft bolt cap | 3 | 15-4 |
| 5 | HV480050 | Pantograph driving pulley (Front) | 3 | 15-4 |
| 6 | A9012052 | E-Ring $\phi 10$ | 3 | 15-4 |
| 7 | KN480061 | Rail base felt (100×38×6) | 6 | 15-8 |
| 8 | KR480050 | H·V-Guide rear pulley bracket | 3 | 15-4 |
| 9 | A9011110 | Needle bearing HK2016 | 3 | 15-4 |
| 10 | HV480040 | Pantograph driving pulley (Rear) | 3 | 15-4 |
| 11 | HH481980 | Clamping $\phi 19$ | 3 | 15-4 |
| 12 | HH481970 | Pulse motor connecting shaft collar | 3 | 15-4 |
| 13 | KK480140 | V-Guide rail H side (L 430) | 6 | 15-8 |
| 14 | HV480010 | H-Pulse motor bracket | | |
| 15 | HV480060 | Pulse motor bracket (5M) | | |
| 16 | HH481931 | Pulse motor coupling | | |
| 17 | | H-Pulse motor connecting shaft | 1 | 15-2 |
| 18 | HV480020 | H-Pulse motor bracket | | |
| 19 | HV4801101035 | Timing belt | 3 | 15-4 |
| 20 | HP482940 | Timing belt set rack (5M) | 6 | 15-8 |
| 21 | KK140130 | H-Roller base (B.A type) | 3 | 15-4 |
| 22 | HP482950 | Roller pin a'ssy A | 12 | 15-16 |
| 23 | | Hex. bolt M4 × 35 | | |
| 24 | | Hex. nut M5 | | |
| 25 | | Hex. socket bolt M5 × 18 | | |
| 26 | | Hex. socket bolt M8 × 40 | | |
| 27 | | Hex. socket bolt M6 × 22 | | |
| 28 | | Hex. socket set screw M5 × 8 | | |
| 29 | | Hex. socket bolt M4 × 15 | | |
| 30 | | Hex. socket bolt M4 × 18 | | |
| 31 | | Hex. nut M8 | | |
| 32 | | Hex. socket bolt M4 × 25 | | |
| 33 | | Hex. socket bolt M8 × 22 | | |
| 34 | | Hex. socket bolt M3 × 8 | | |
| 35 | | Disc spring 1 for hex. socket bolt | | |
| 36 | | Pulse motor connecting shaft support | 1 | 15-2 |
| 37 | | Pias biss | | |
| 38 | HV510020 | H-pulse motor cable of extension (L 1500) | 1 | |
| 39 | KV310061 | H Pulse motor cover (BENSME) | 1 | |

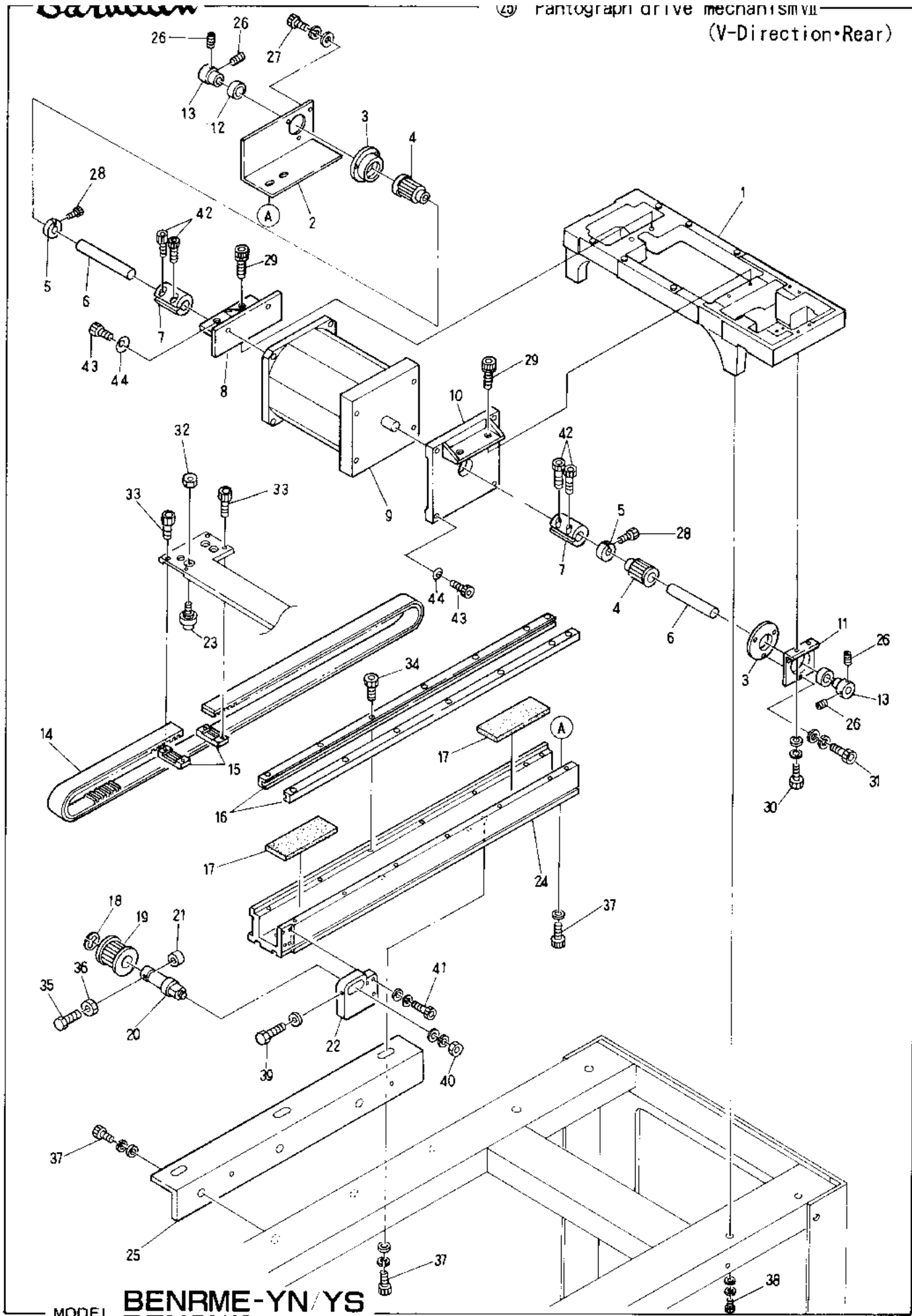
(H-Direction•Rear II)



MODEL BENRME-YN/YS
BENSME-YN/YS

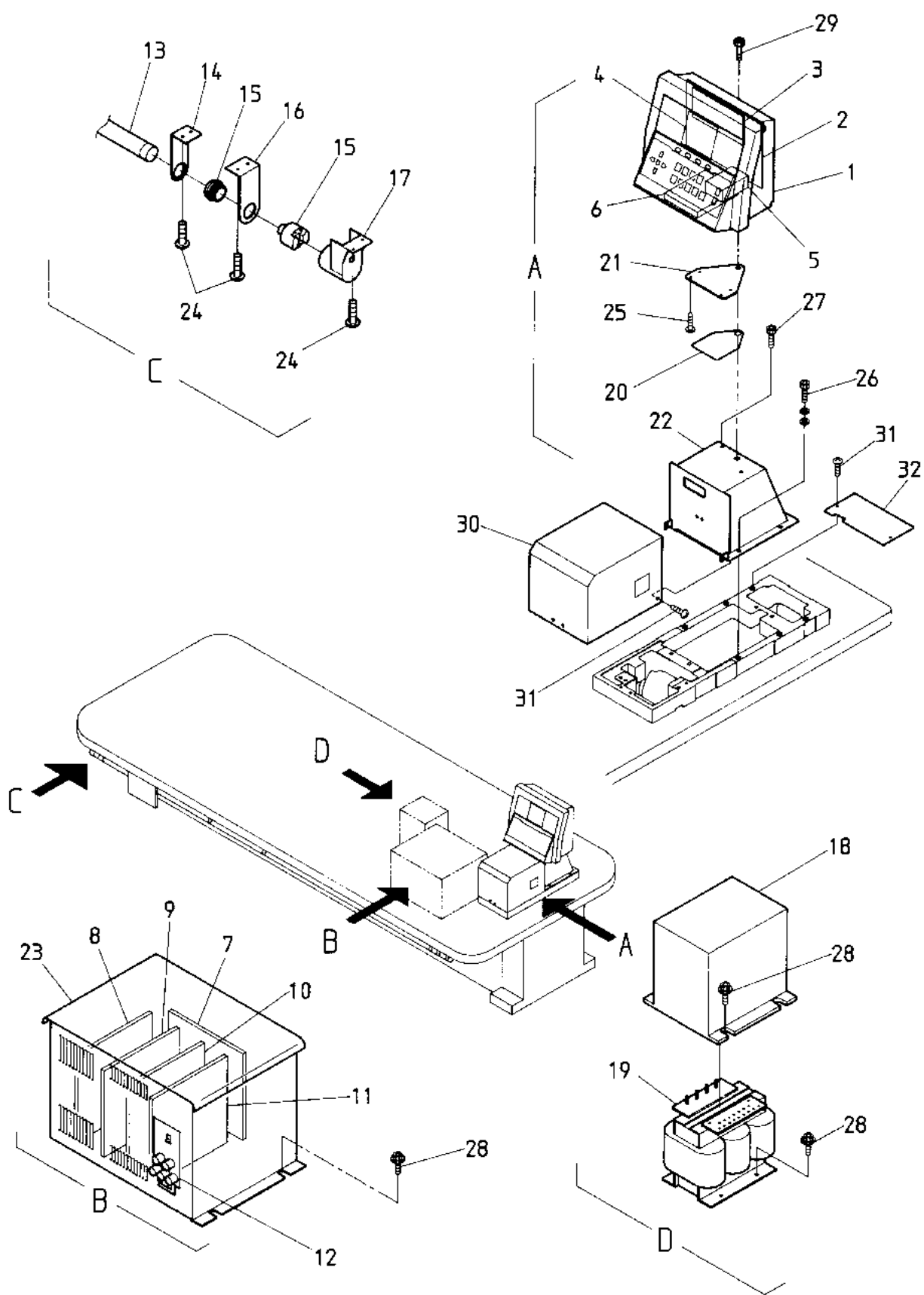


MODEL **BENRME-YN/YS**
BENSME-YN/YS

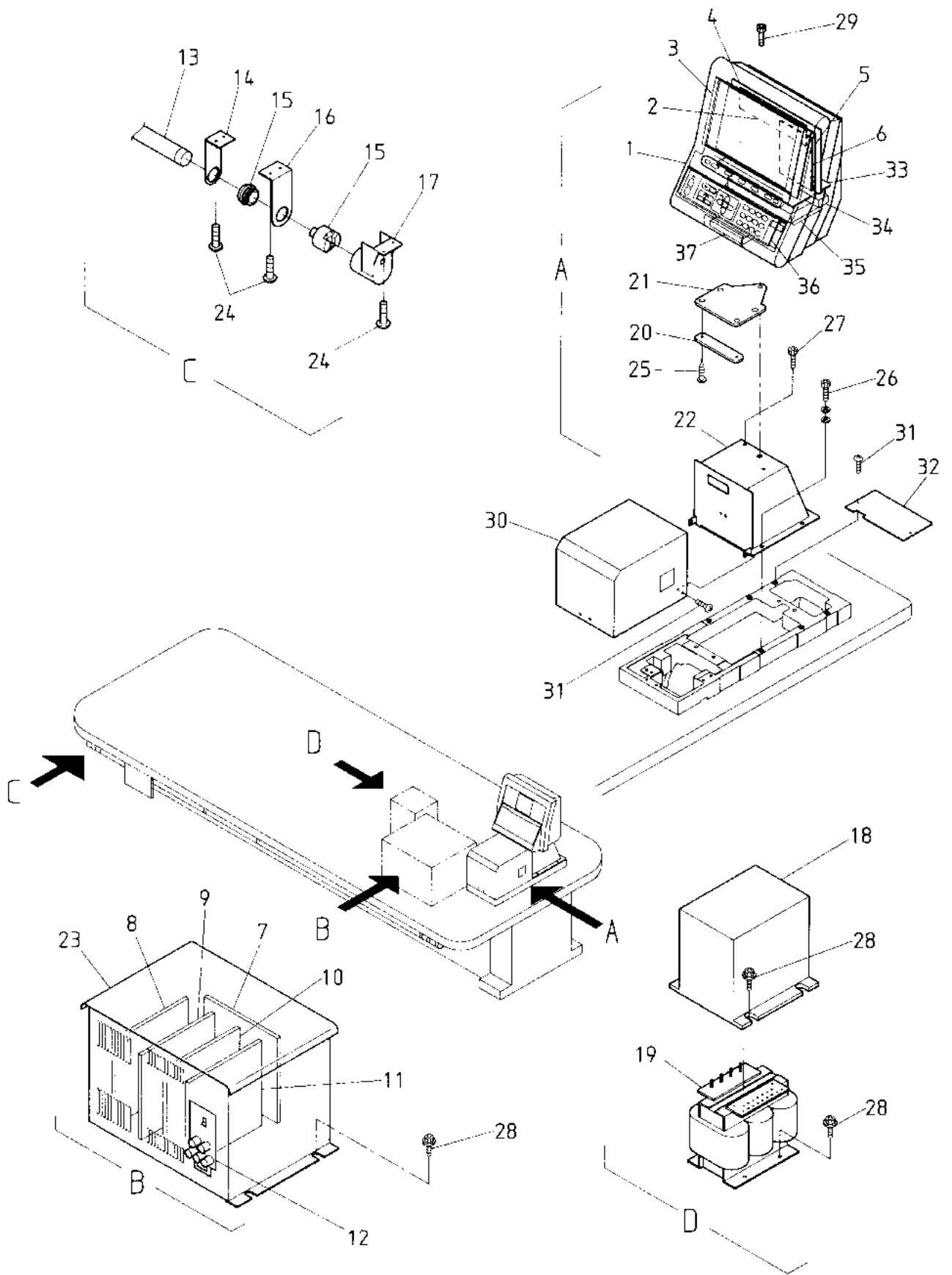


MODEL **BENRME-YN/YS**
BENSME-YN/YS

| ITEM | LIST No | DESCRIPTION | Q'TY | REMARK |
|------|----------|---|------|--------|
| 1 | KV330030 | Control unit base | 1 | |
| 2 | KS140040 | Bearing bracket (Rear) | 1 | |
| 3 | KN490130 | V-Timing belt shaft bearing housing | 2 | |
| 4 | HV480040 | Pantograph driving pulley (Rear) | 2 | |
| 5 | HH481980 | Clamping $\phi 19$ | 2 | |
| 6 | KV470030 | V Pulse motor connecting shaft | 1 | |
| 7 | HH481931 | Pulse motor coupling | 2 | |
| 8 | KV470020 | V-Pulse motor bracket B | 1 | |
| 9 | HV480060 | Pulse motor (5M) | 1 | |
| 10 | KV470010 | V-Pulse motor bracket A | 1 | |
| 11 | KN490121 | Bearing bracket | 1 | |
| 12 | A9011110 | Needle bearing HK2016 | 2 | |
| 13 | HH481970 | Pulse motor connecting shaft collar | 2 | |
| 14 | A9020170 | Taiming belt | 1 | |
| 15 | HP482940 | Taiming belt set rack (5M) | 2 | |
| 16 | KN483450 | V-Guide rail (L=660) | 2 | |
| 17 | KN480061 | Rail base felt (100 \times 38 \times 6) | 2 | |
| 18 | A9012052 | E-Ring ($\phi 10$) | 1 | |
| 19 | HV480050 | Pantograph driving pulley (Front) | 1 | |
| 20 | HH481991 | Timing pulley shaft | 1 | |
| 21 | HH482110 | pulley shaft bolt cap | 1 | |
| 22 | KR480060 | H-V-Guide front pulley bracket | 1 | |
| 23 | HP482950 | Roler pin assy A | 4 | |
| 24 | KV480170 | V Guide rail base (Stroke 480) | 1 | |
| 25 | KK480020 | V-Guide rail base (Rear) | 1 | |
| 26 | | Hex. socket set screw M5 \times 8 | | |
| 27 | | Hex. socket bolt M4 \times 10 | | |
| 28 | | Hex. socket bolt M5 \times 18 | | |
| 29 | | Hex. socket bolt M6 \times 25 | | |
| 30 | | Hex. socket bolt M5 \times 12 | | |
| 31 | | Hex. socket bolt M4 \times 10 | | |
| 32 | | Hex. nut M5 | | |
| 33 | | Hex. socket bolt M3 \times 6 | | |
| 34 | | Hex. socket bolt M4 \times 15 | | |
| 35 | | Hex. bolt M4 \times 35 | | |
| 36 | | Hex. nut M4 | | |
| 37 | | Hex. socket bolt M8 \times 20 | | |
| 38 | | Hex. socket bolt M8 \times 25 | | |
| 39 | | Hex. bolt M4 \times 25 | | |
| 40 | | Hex. nut M8 | | |
| 41 | | Hex. socket bolt M4 \times 18 | | |
| 42 | | Hex. socket bolt M5 \times 18 | | |
| 43 | | Hex. socket bolt M6 \times 22 | | |
| 44 | | Disc spring 6 for hex. socket bolt | | |

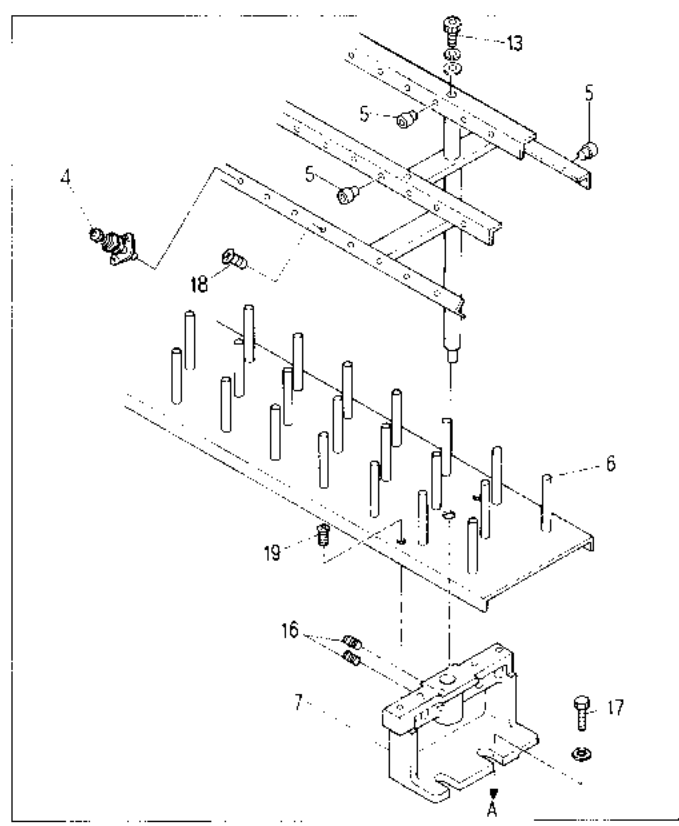
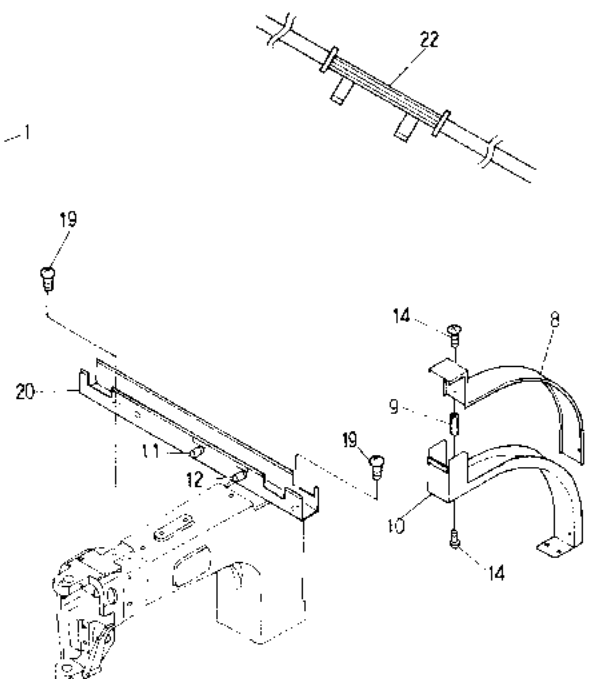
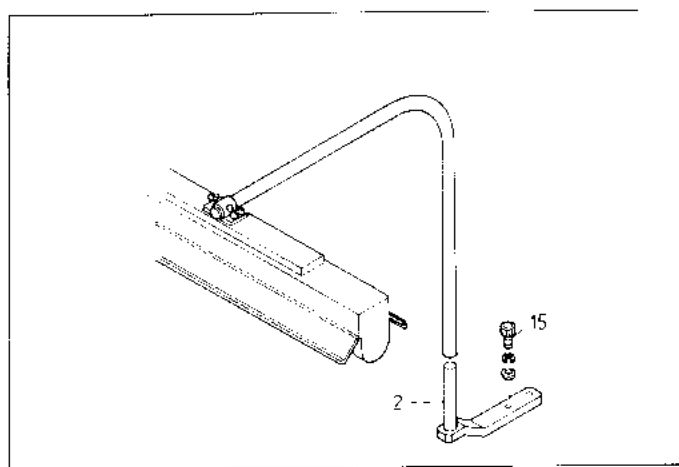


MODEL **BENRME-YN/YS**
BENSME-YN/YS

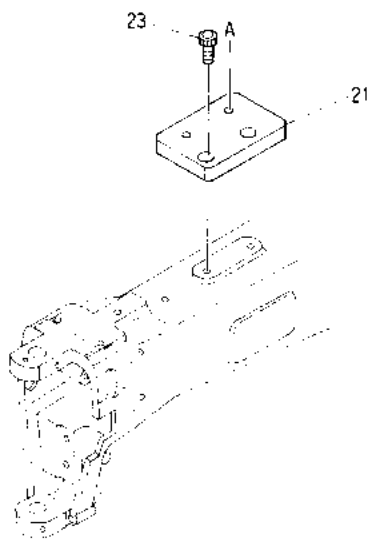


MODEL **BENAME-YN/YS**
BENSME-YN/YS

| ITEM | LIST No | DESCRIPTION | Q'TY | REMARK |
|------|----------|--|------|--------|
| 1 | EAY038A1 | NR-Automat controller | 1 | |
| 2 | EBY01550 | 5480 690-thousand needle memory board BENR | 1 | |
| 3 | EBY01600 | TFT-Color LCD LQ-10D02T BENR | 1 | |
| 4 | EBY01540 | 5421 I/O-Board BENR | 1 | |
| 5 | EBY01530 | 5411 CPU Board BENR | 1 | |
| 6 | EBY01580 | 5470 Back right board BENR | 1 | |
| 7 | EBY01330 | Buck-Board | 1 | |
| 8 | EBY10310 | Pluse motor drive unit | 1 | |
| 9 | EBY01340 | Inverter unit | 1 | |
| 10 | EBY01300 | CPU-board | 1 | |
| 11 | EBY01320 | Power board | 1 | |
| 12 | EBY01290 | Power control unit | 1 | |
| 13 | KF530160 | Bar switch | 1 | |
| 14 | KC530240 | Bar switch bracket (small) | 5 | |
| 15 | KF530120 | Push button switch NS319 (Green) | 1 | |
| | KF530111 | Push button switch NS319 (Red) | 1 | |
| 16 | KC530230 | Bar switch bracket (large) | 4 | |
| 17 | KF530150 | Push button switch cap | 1 | |
| 18 | KC520020 | Transformer cover set | 1 | |
| 19 | | Automat transformer 3 P | 1 | |
| | | Automat transformer 1 P | 1 | |
| 20 | HV330010 | Automat base | 1 | |
| 21 | HV330040 | Automat bracket | 1 | |
| 22 | KV330010 | Automat base | 1 | |
| 23 | | Automat driver | 1 | |
| 24 | | Tapping screw M4×20 | | |
| 25 | | Tapping truss screw M3.5×8 | | |
| 26 | | Hex. socket bolt M8×20 | | |
| 27 | | Hex. socket flange bolt M6×20 | | |
| 28 | | Hex. socket flange bolt M6×12 | | |
| 29 | | Hex. socket bolt | | |
| 30 | KV330020 | Turning cover a'ssy | 1 | |
| 31 | | Truss screw M4×6 | | |
| 32 | KV330040 | Unit base cover | 1 | |
| 33 | EBY01560 | 5452 B/B board BENR | 1 | |
| | EBY01410 | 5452 B/B board BENR | 1 | |
| 34 | | Inlet GL-2030HI | 1 | |
| 35 | EBY01590 | Switching power supply MRW1G0 BENR | 1 | |
| 36 | EBY01570 | 5460 Switch relay board BENR | 1 | |
| 37 | | FDD PD-05HG-261 | 1 | |
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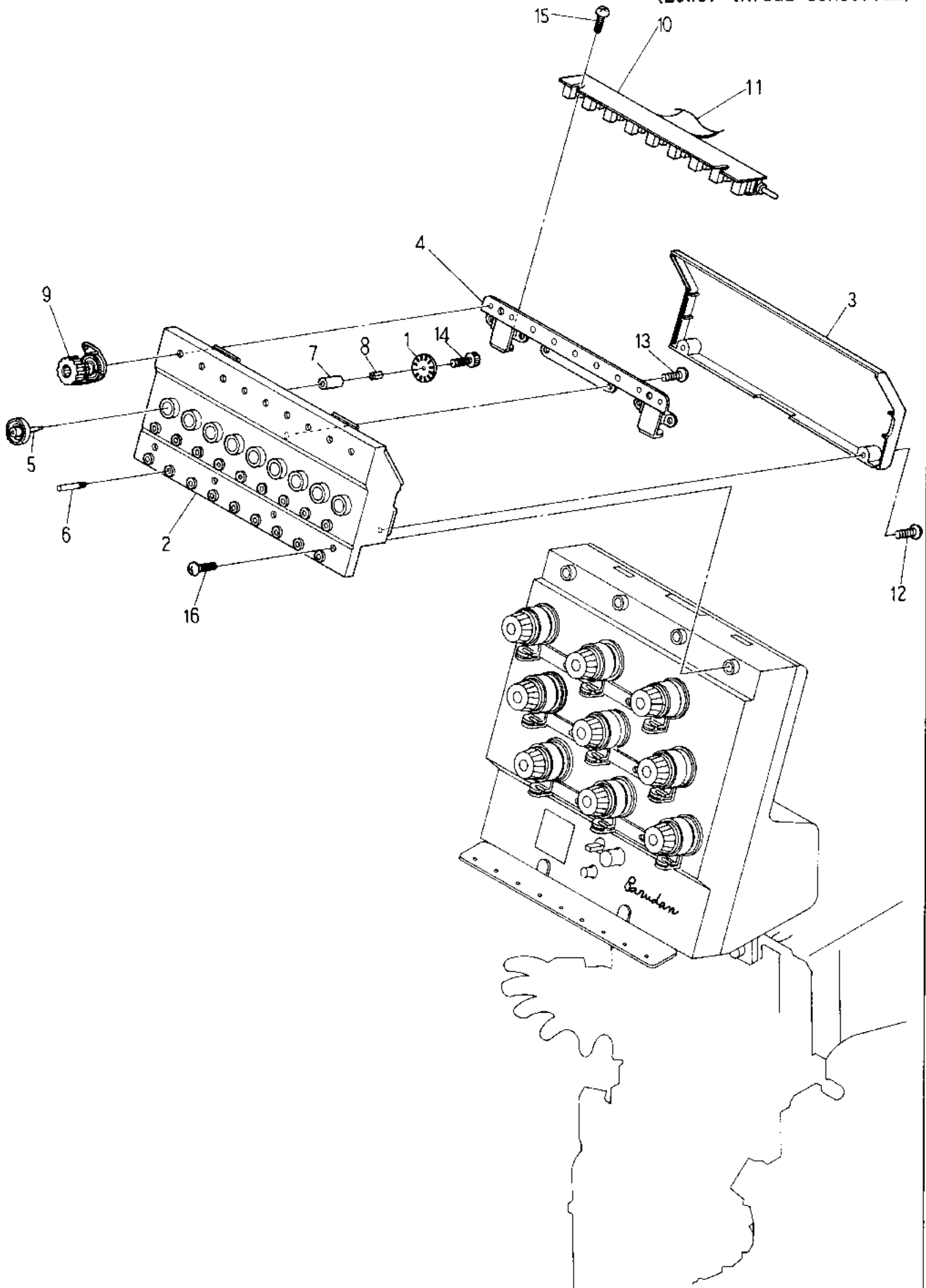


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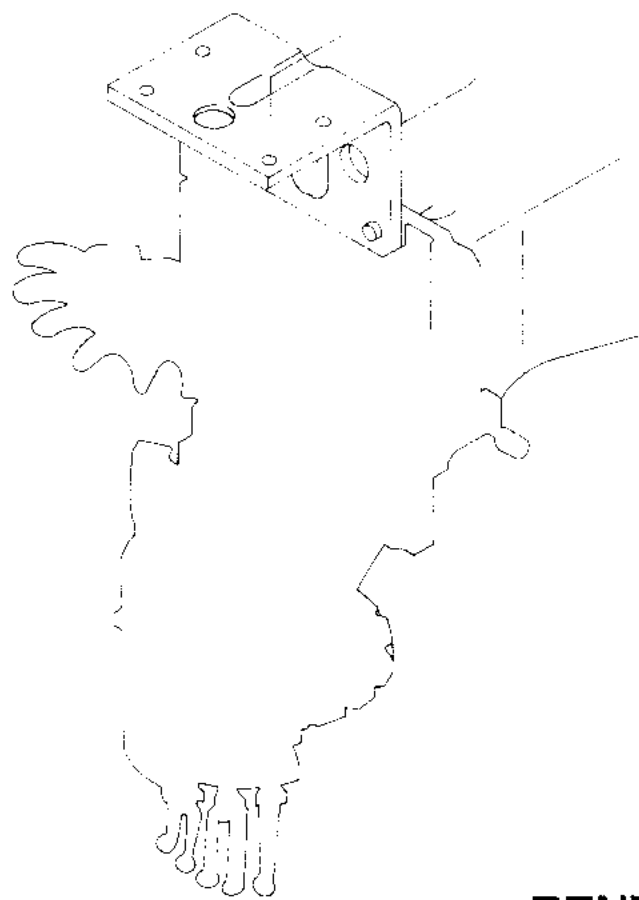
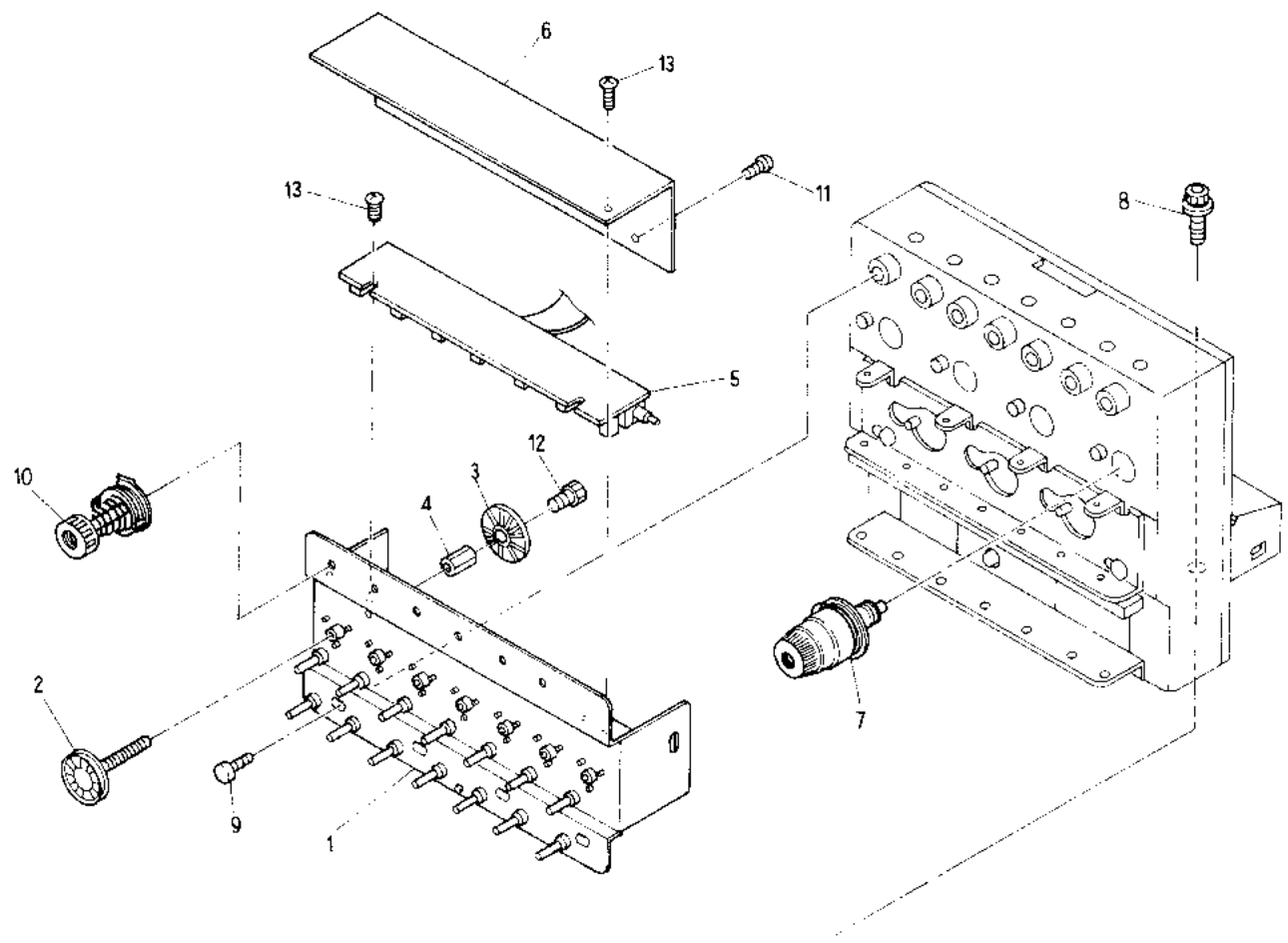


MODEL **BENRME-YN/YS**
BENSME-YN/YS

(Lower thread sensorium)



MODEL **BENRME-YN/YS**
BENSME-YN/YS



MODEL **BENAME-YN/YS**
BENSME-YN/YS

| L I S T No | PAGE No | ITEM | L I S T No | PAGE No | ITEM |
|---------------------|---------|------|-----------------|---------|------|
| 1AKS123804800 | 3 | 2 | A 9 0 1 2 0 5 2 | 4 7 | 6 |
| 1AKS153804800 | 3 | 2 | A 9 0 1 2 0 5 2 | 4 9 | 6 |
| 1BKS123804800 | 3 | 1 | A 9 0 1 2 0 5 2 | 5 1 | 1 0 |
| 1BKS153804800 | 3 | 1 | A 9 0 1 2 0 5 2 | 5 3 | 1 8 |
| 1FKS123804800 | 4 1 | 1 | A 9 0 1 2 0 5 3 | 1 7 | 3 1 |
| 1FKS153804800 | 4 1 | 1 | A 9 0 1 2 0 5 6 | 2 9 | 1 2 |
| 1 J P 1 2 3 8 0 | 5 9 | 3 | A 9 0 1 2 0 6 4 | 4 3 | 2 2 |
| 1 J P 1 5 3 8 0 | 5 9 | 3 | A 9 0 1 2 1 1 4 | 1 3 | 2 7 |
| 1KKK123804800 | 3 | 3 | A 9 0 1 2 1 3 7 | 3 5 | 7 |
| 1KKK153804800 | 3 | 3 | A 9 0 1 2 1 4 3 | 3 5 | 5 |
| 1 P K V 1 2 3 8 0 | 9 | 2 7 | A 9 0 1 2 1 6 4 | 1 5 | 2 9 |
| 1 P K V 1 5 3 8 0 | 9 | 2 7 | A 9 0 1 2 1 6 4 | 4 3 | 2 4 |
| 1 U K S 1 2 3 8 0 | 5 9 | 2 0 | A 9 0 1 2 1 8 6 | 3 | 2 4 |
| 1 U K S 1 5 3 8 0 | 5 9 | 2 0 | A 9 0 1 2 1 9 0 | 1 9 | 4 |
| 1WKK123804800 | 4 1 | 2 | A 9 0 1 2 2 0 8 | 3 3 | 2 0 |
| 1WKK153804800 | 4 1 | 2 | A 9 0 1 2 2 3 1 | 7 | 8 |
| 2 C H T 9 1 2 3 8 0 | 5 9 | 3 | A 9 0 1 2 2 5 0 | 7 | 6 |
| 2 C H T 9 1 5 3 8 0 | 5 9 | 3 | A 9 0 1 2 2 5 5 | 7 | 1 1 |
| 2 D K V 1 2 3 8 0 | 5 9 | 2 2 | A 9 0 1 2 2 5 9 | 3 | 1 4 |
| 2 D K V 1 5 3 8 0 | 5 9 | 2 2 | A 9 0 1 2 2 6 3 | 4 5 | 8 |
| A 9 0 1 0 0 1 7 | 9 | 5 | A 9 0 1 2 2 6 4 | 4 3 | 2 7 |
| A 9 0 1 0 0 3 6 | 4 3 | 1 7 | A 9 0 1 2 2 6 6 | 5 | 8 |
| A 9 0 1 1 0 1 7 | 3 7 | 8 | A 9 0 1 2 3 2 0 | 3 7 | 1 8 |
| A 9 0 1 1 0 2 1 | 1 5 | 7 | A 9 0 1 2 3 2 4 | 6 3 | 9 |
| A 9 0 1 1 0 2 1 | 1 7 | 2 1 | A 9 0 1 3 0 4 5 | 2 7 | 1 6 |
| A 9 0 1 1 0 2 2 | 1 7 | 2 3 | A 9 0 1 3 0 6 6 | 1 3 | 2 1 |
| A 9 0 1 1 0 2 3 | 1 7 | 2 0 | A 9 0 1 4 0 5 1 | 2 1 | 1 9 |
| A 9 0 1 1 1 0 7 | 7 | 7 | A 9 0 1 4 0 5 5 | 1 7 | 1 9 |
| A 9 0 1 1 1 1 0 | 4 7 | 9 | A 9 0 1 4 0 6 3 | 9 | 3 8 |
| A 9 0 1 1 1 1 0 | 4 9 | 9 | A 9 0 2 0 1 7 0 | 4 9 | 2 0 |
| A 9 0 1 1 1 1 0 | 5 3 | 1 2 | A 9 0 2 0 1 7 0 | 5 3 | 1 4 |
| A 9 0 1 1 1 1 5 | 1 9 | 9 | A 9 0 2 0 2 0 0 | 3 7 | 1 3 |
| A 9 0 1 1 1 1 9 | 3 7 | 3 4 | A 9 0 5 2 0 0 5 | 3 1 | 1 2 |
| A 9 0 1 1 1 3 1 | 4 3 | 2 3 | A 9 0 5 2 0 2 4 | 4 9 | 1 5 |
| A 9 0 1 1 1 3 2 | 4 3 | 2 5 | A 9 0 5 2 0 2 4 | 5 1 | 3 4 |
| A 9 0 1 1 1 5 2 | 1 5 | 6 | A 9 0 5 2 0 2 8 | 2 7 | 1 0 |
| A 9 0 1 2 0 0 1 | 3 3 | 1 3 | A 9 0 5 2 0 3 0 | 4 9 | 2 5 |
| A 9 0 1 2 0 0 2 | 3 1 | 5 | A 9 0 5 2 0 3 0 | 5 1 | 2 0 |
| A 9 0 1 2 0 0 2 | 3 5 | 8 | A 9 0 5 2 0 3 1 | 4 9 | 1 6 |
| A 9 0 1 2 0 0 7 | 9 | 3 4 | A 9 0 5 2 0 3 1 | 5 1 | 1 2 |
| A 9 0 1 2 0 0 7 | 1 1 | 2 3 | A 9 0 5 2 0 3 2 | 5 9 | 1 2 |
| A 9 0 1 2 0 0 7 | 1 3 | 2 6 | A 9 0 5 2 0 3 6 | 5 9 | 1 1 |
| A 9 0 1 2 0 2 7 | 1 1 | 1 6 | A 9 0 5 3 0 7 0 | 3 7 | 3 1 |
| A 9 0 1 2 0 3 2 | 3 | 2 3 | A 9 0 5 6 0 0 8 | 1 3 | 2 |
| A 9 0 1 2 0 5 1 | 2 1 | 2 0 | A 9 0 5 6 0 1 3 | 2 9 | 1 9 |

| LIST No. | PAGE No. | ITEM | LIST No. | PAGE No. | ITEM |
|-----------------------|----------|------|-----------------|----------|------|
| A 9 0 5 6 0 1 8 | 2 7 | 1 | H B 2 3 0 3 8 3 | 1 9 | 5 |
| A 9 0 5 6 0 2 0 | 2 1 | 6 | H B 2 3 0 3 9 0 | 1 9 | 3 |
| A 9 0 6 5 0 2 6 | 3 1 | 1 8 | H B 2 3 0 4 0 1 | 1 9 | 1 |
| A 9 0 6 5 0 3 5 | 3 3 | 2 7 | H B 2 3 0 4 1 4 | 1 9 | 1 2 |
| E A Y 0 3 8 A 1 | 5 7 | 1 | H B 2 3 0 4 2 0 | 1 9 | 1 1 |
| E B Y 0 0 9 1 0 | 6 3 | 5 | H B 2 3 0 5 6 0 | 2 1 | 7 |
| E B Y 0 0 9 2 0 | 6 3 | 5 | H B 2 3 0 5 8 0 | 2 1 | 1 3 |
| E B Y 0 1 1 0 0 | 2 3 | 1 2 | H B 2 3 0 5 9 0 | 1 9 | 2 |
| E B Y 0 1 1 2 0 | 3 3 | 6 | H B 2 3 0 6 5 0 | 1 5 | 3 5 |
| E B Y 0 1 2 4 0 | 5 5 | 3 | H B 2 3 0 7 5 0 | 1 5 | 2 2 |
| E B Y 0 1 2 5 0 | 5 5 | 2 | H B 2 4 0 0 2 0 | 2 1 | 1 4 |
| E B Y 0 1 2 6 0 | 5 5 | 4 | H B 2 4 0 0 3 0 | 2 1 | 1 5 |
| E B Y 0 1 2 7 0 | 5 5 | 5 | H B 2 4 0 0 4 1 | 2 1 | 1 1 |
| E B Y 0 1 2 9 0 | 5 5 | 1 2 | H B 2 4 0 0 7 0 | 2 1 | 1 8 |
| E B Y 0 1 2 9 0 | 5 7 | 1 2 | H B 2 4 0 0 8 0 | 2 1 | 2 2 |
| E B Y 0 1 3 0 0 | 5 5 | 1 0 | H B 2 4 0 0 9 0 | 2 1 | 2 1 |
| E B Y 0 1 3 0 0 | 5 7 | 1 0 | H B 2 4 0 1 1 0 | 2 1 | 1 7 |
| E B Y 0 1 3 2 0 | 5 5 | 1 1 | H B 2 4 0 2 6 0 | 2 5 | 1 1 |
| E B Y 0 1 3 2 0 | 5 7 | 1 1 | H B 2 4 0 2 7 0 | 2 5 | 1 1 |
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