

# Barudan

HIGH SPEED AUTOMATIC EMBROIDERY MACHINE

MODEL **BEDYHE-YN-C**

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# B E D Y H E - Y N - C

## HIGH SPEED AUTOMATIC EMBROIDERY MACHINE

### 高速自動刺繍マシン

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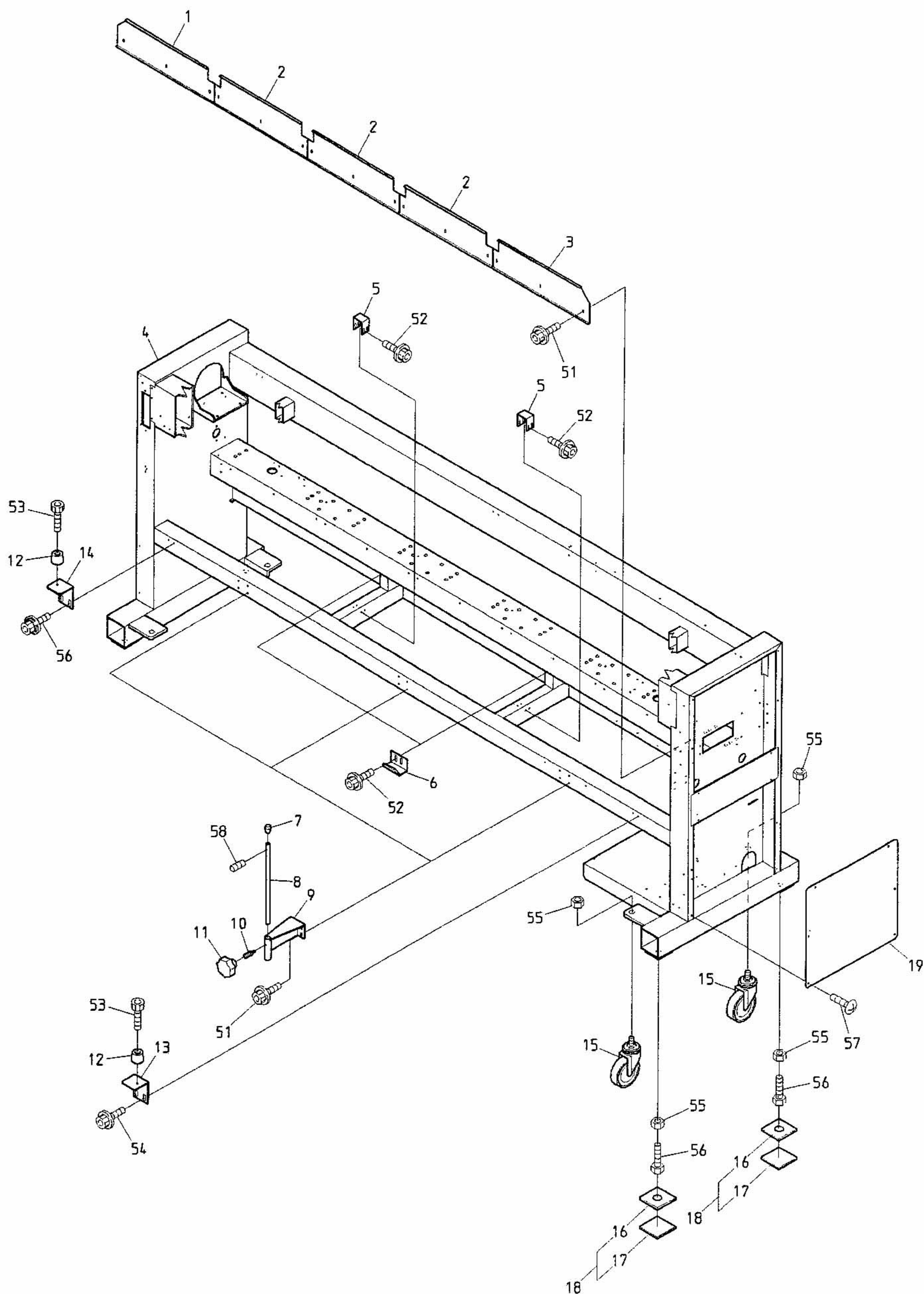
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## 配置図 (BEDYHE-YN-C)





00A-1 Table・Frame A(2T/4T)  
 テーブル・フレームA (2T/4T)



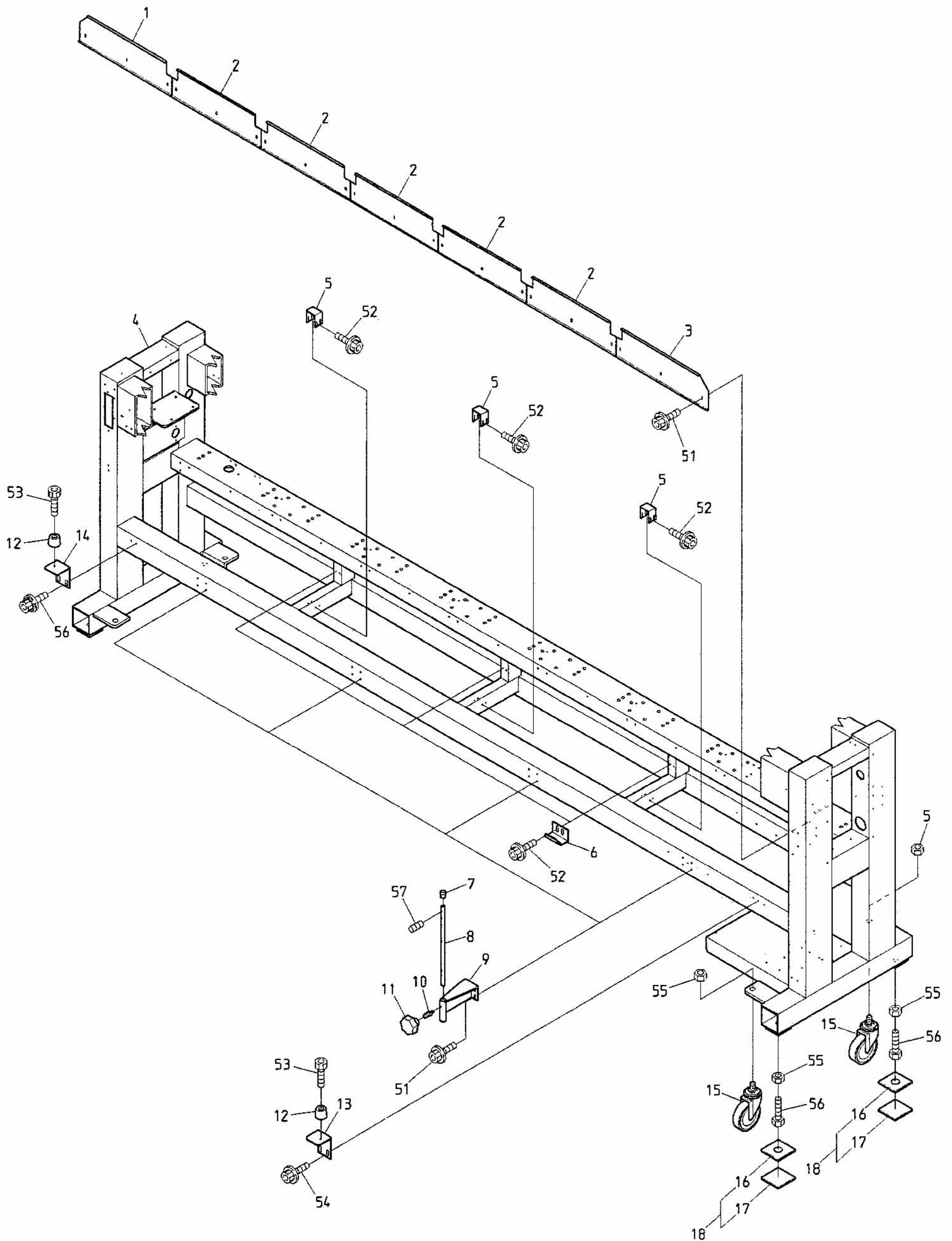
BEDYHE-YN-C BEDYHE-Z12/ZQ-C

00A-1

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00A-2 Table・Frame A(6T)  
 テーブル・フレームA (6T)



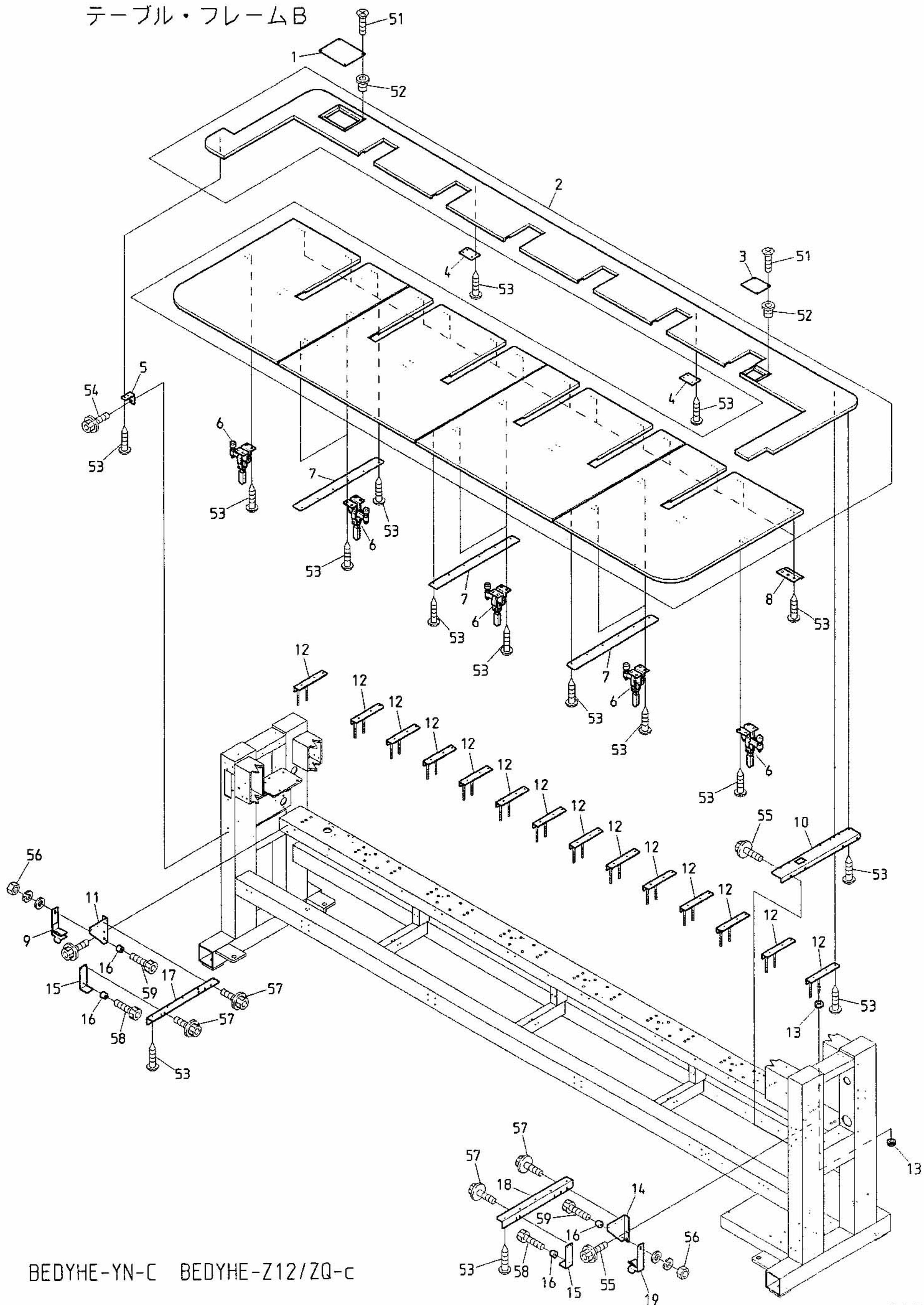
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00A-2

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00B Table・Frame B  
 テーブル・フレームB



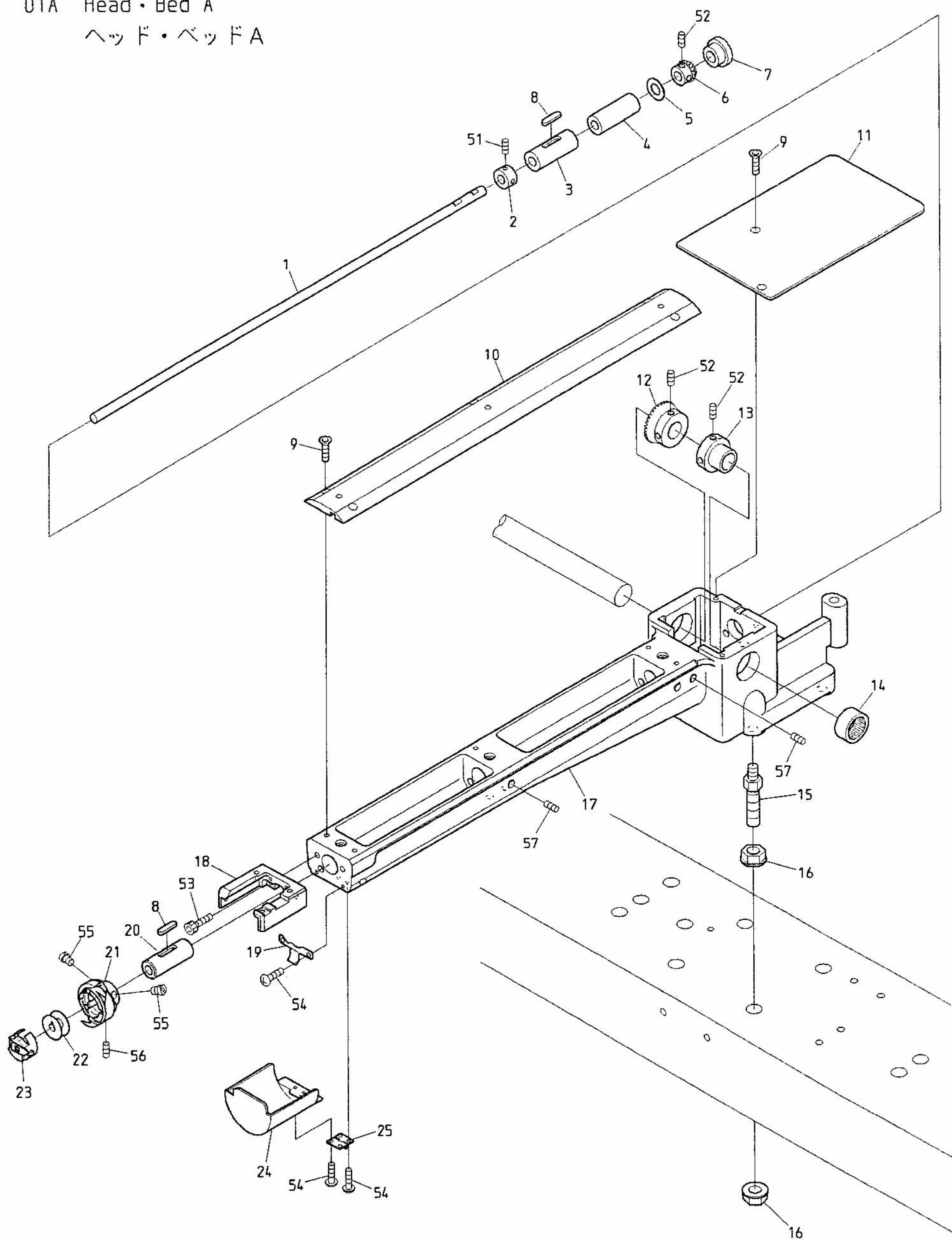
BEDYHE-YN-C BEDYHE-Z12/ZQ-C

00B Table・Frame B  
テーブル・フレームB

| ITEM | LIST No. | DESCRIPTION                               | 部品名                            | Q'TY | NOTE |
|------|----------|-------------------------------------------|--------------------------------|------|------|
| 1    | SC120030 | Thread cut service cover                  | 糸切りサービスカバー                     | 1    |      |
| 2    | SJ120000 | Table BEDYHE-ZQ-C02 450×520/520           | テーブル BEDYHE-ZQ-C02 450×520/520 | 1    | 2T   |
|      | SJ120010 | Table BEDYHE-ZQ-C04 450×520/520           | テーブル BEDYHE-ZQ-C04 450×520/520 | 1    | 4T   |
|      | SJ120030 | Table BEDYHE-ZQ-C06 450×520/520           | テーブル BEDYHE-ZQ-C06 450×520/520 | 1    | 6T   |
| 3    | SC120040 | Encoder service cover                     | エンコーダーサービスカバー                  | 1    |      |
| 4    | RQ120080 | Jointed plate                             | ツギ板                            | 2    |      |
| 5    | SC140090 | Table support angle                       | テーブル受けアングル                     | 1    |      |
| 6    | A9013070 | Toggle clamp(KAKUTA No.40A)               | トグルクランプ(カクタNo.40A)             | 2    | 2T   |
|      |          |                                           |                                | 6    | 4T   |
|      |          |                                           |                                | 8    | 6T   |
| 7    | SC120010 | Joint plate                               | ジョイントプレート                      | 2    | 4T   |
|      |          |                                           |                                | 3    | 6T   |
| 8    | HM140120 | Table stopper(Front)                      | テーブル止め(前)                      | 6    | 2T   |
|      |          |                                           |                                | 10   | 4T   |
|      |          |                                           |                                | 14   | 6T   |
| 9    | SJ140110 | Table support L-lower(DYHE-C)             | テーブル受けL-下(DYHE-C)              | 1    |      |
| 10   | SJ140020 | R-side stand table support(DYHE)          | R側スタンドテーブル受け(DYHE)             | 1    |      |
| 11   | SJ140010 | LH-table support bracket(DYHE)            | LHテーブル受けブラケット(DYHE)            | 1    |      |
| 12   | SC140140 | Table support(L=200)                      | テーブル受け(L=200)                  | 6    | 2T   |
|      |          |                                           |                                | 10   | 4T   |
|      |          |                                           |                                | 14   | 6T   |
| 13   | SC210010 | Adjust nut M10                            | アジャストナット M10                   | 24   | 2T   |
|      |          |                                           |                                | 40   | 4T   |
|      |          |                                           |                                | 56   | 6T   |
| 14   | SJ140000 | RH-table support bracket(DYHE)            | RHテーブル受けブラケット(DYHE)            | 1    |      |
| 15   | SC140040 | Table support stay                        | テーブル受けステー                      | 2    |      |
| 16   | A9014163 | Color rubber foot(C-30-FRB-3225)          | カラーゴム脚(C-30-FRB-3225)          | 4    |      |
| 17   | SC140030 | LH-table support                          | LHテーブル受け                       | 1    |      |
| 18   | SC140020 | RH-table support                          | RHテーブル受け                       | 1    |      |
| 19   | SJ140100 | Table support R-lower(DYHE-C)             | テーブル受けR-下(DYHE-C)              | 1    |      |
| 51   |          | Flush screw(Under cut) M4×8               | 十字穴付皿小ネジ M4×8                  |      |      |
| 52   |          | Rag nut(C) M4                             | 鬼目ナット(C) M4                    |      |      |
| 53   |          | Pierce screw M5×19                        | ピアスビス M5×19                    |      |      |
| 54   |          | Hex. socket flange bolt M6×12             | 六角穴付フランジボルト M6×12              |      |      |
| 55   |          | Hex. socket flange bolt M6×12(Uni chrome) | 六角穴付フランジボルト M6×12(ユニクロ)        |      |      |
| 56   |          | Hex. nut M5                               | 六角ナット M5                       |      |      |
| 57   |          | Hex. socket flange bolt M5×10(Uni chrome) | 六角穴付フランジボルト M5×10(ユニクロ)        |      |      |
| 58   |          | Hex. socket bolt M5×15(Black)             | 六角穴付ボルト M5×15(黒)               |      |      |
| 59   |          | Hex. socket bolt M5×30(Black)             | 六角穴付ボルト M5×30(黒)               |      |      |
|      |          |                                           |                                |      |      |
|      |          |                                           |                                |      |      |
|      |          |                                           |                                |      |      |
|      |          |                                           |                                |      |      |
|      |          |                                           |                                |      |      |
|      |          |                                           |                                |      |      |



01A Head・Bed A  
ヘッド・ベッドA

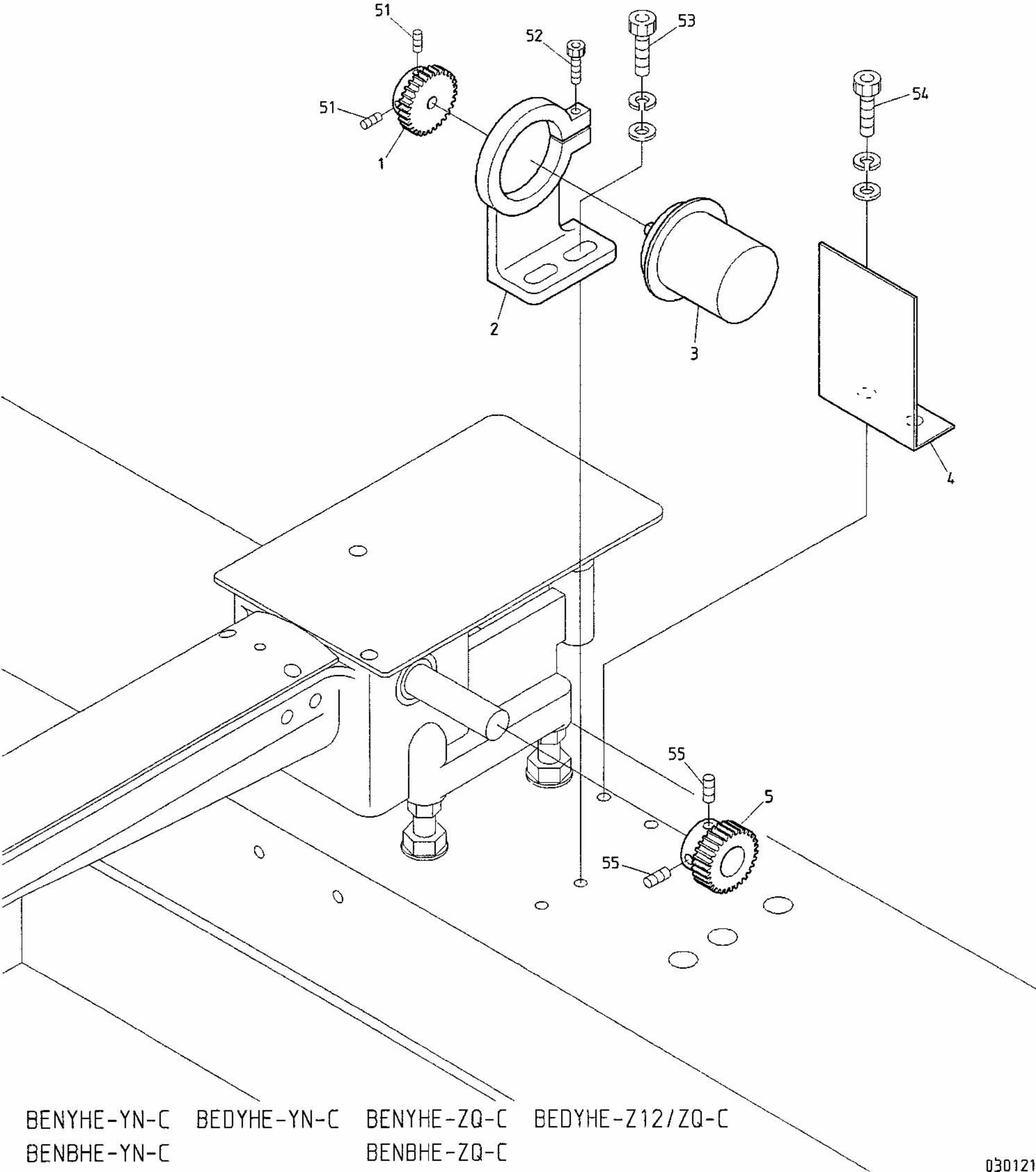


BEDYHE-YN-C BEDYHE-Z12/ZQ-C



| ITEM | LIST No. | DESCRIPTION                                                 | 部品名                          | Q'TY | NOTE                |
|------|----------|-------------------------------------------------------------|------------------------------|------|---------------------|
| 1    | HS210021 | Lower shaft                                                 | 下軸                           | H×1  | Small bobbin<br>小釜  |
|      | HS210020 | Lower shaft                                                 | 下軸                           | H×1  | Middle bobbin<br>中釜 |
| 2    | KF220290 | Lower shaft collar                                          | 下軸カラー                        | H×1  |                     |
| 3    | KF220230 | Lower shaft metal(Front)                                    | 下軸メタル(前)                     | H×1  |                     |
| 4    | HS220010 | Lower shaft metal(Cylinder back side)                       | 下軸メタル(シリンダー後側)               | H×1  |                     |
| 5    | HT220061 | Thrust washer (Lower shaft)                                 | スラストワッシャー(下軸)                | H×1  |                     |
| 6    | SJ220010 | Lower shaft gear(Small gear, Korean)                        | 下軸ギヤー(小ギヤ 韓国)                | H×1  |                     |
| 7    | A9014059 | Gromet MG(MG-1)                                             | 膜付グロメットMG(MG-1)              | H×1  |                     |
| 8    | KL220140 | Oil felt C(5×25×20)                                         | オイルフェルトC(5×25×20)            | H×2  |                     |
| 9    | KX250080 | Throat plate set screw(Hex. socket)                         | 針板止メネジ(六角穴)                  | H×7  |                     |
| 10   | SJ210120 | Cylinder bed cover, correspond barrel frame                 | シリンダーベッドカバー 筒枠対応             | H×1  |                     |
| 11   | HS210042 | Bed cover                                                   | ベッドカバー                       | H×1  |                     |
| 12   | SJ320010 | Lower shaft gear(Large gear, Korean)                        | 下軸ギヤー(大ギヤ 韓国)                | H×1  |                     |
| 13   | HP321090 | Lower shaft connecting shaft collar                         | 下軸連結シャフトカラー                  | H×1  |                     |
| 14   | A9011111 | Needle bearing(TLA-2012Z)                                   | ニードルベアリング(TLA-2012Z)         | H×1  |                     |
| 15   | SC210000 | Adjust bolt                                                 | アジャストボルト                     | H×4  |                     |
| 16   | SC210010 | Adjust nut M10                                              | アジャストナット M10                 | H×8  |                     |
| 17   | SJ210090 | Bsrrel bed(Small bobbin)<br>correspond barrel frame         | 筒型ベッド(小釜)<br>筒枠対応            | H×1  | Small bobbin<br>小釜  |
|      | SJ210150 | Bsrrel bed R-type(Middle bobbin)<br>correspond barrel frame | 筒型ベッドR型(中釜)<br>筒枠対応          | H×1  | Middle bobbin<br>中釜 |
| 18   | SJ210080 | Throat plate base, correspond barrel frame                  | 針板ベース 筒枠対応                   | H×1  |                     |
| 19   | KC250482 | Barrel bed cover hold spring                                | 筒型ベッドカバー押さえバネ                | H×1  |                     |
| 20   | KF220240 | Vertical shaft metal(Upper)                                 | 縦軸メタル(上)                     | H×1  |                     |
| 21   | KF220700 | Rotating hook HSL-ATR(M1QTS)                                | 釜 HSL-ATR(M1QTS)             | H×1  | Small bobbin<br>小釜  |
|      | KF221040 | Middle bobbin for automatic feed oil<br>HSM-A(MQ2L)         | 自動給油用中釜<br>HSM-A(MQ2L)       | H×1  | Middle bobbin<br>中釜 |
| 22   | KF220530 | Bobbin                                                      | ボビン                          | H×1  | Small bobbin<br>小釜  |
|      | KF220421 | Bobbin<br>(HSM) (DBM) (For aluminum, middle bobbin)         | ボビン<br>(HSM) (DBM) (アルミ、中釜用) | H×1  | Middle bobbin<br>中釜 |
| 23   | KF221020 | Bobbin case(4B19-S6-BA)                                     | ボビンケース(4B19-S6-BA)           | H×1  | Small bobbin<br>小釜  |
|      | KF220302 | Bobbin case BC-DBM(Z2)-NBL5 middle bobbin                   | ボビンケース BC-DBM(Z2)-NBL5 中釜    | H×1  | Middle bobbin<br>中釜 |
| 24   | HS210031 | Barrel bed cover(Short type)                                | 筒型ベッドカバー(ショートタイプ)            | H×1  |                     |
| 25   | A9012027 | Hinge(TH-TN-72)                                             | 蝶板(TH-TN-72)                 | H×1  |                     |
| 51   |          | Hex. socket set screw SM1/4 40×4                            | 六角穴付止メネジ SM1/4 40×4          |      |                     |
| 52   |          | Hex. socket set screw M5×6                                  | 六角穴付止メネジ M5×6                |      |                     |
| 53   |          | Hex. socket bolt M5×15                                      | 六角穴付ボルト M5×15                |      |                     |
| 54   |          | Pan screw M3×6                                              | 十字穴付ナベ小ネジ M3×6               |      |                     |
| 55   |          | Screw(SM11/64 40×5)                                         | すり割り付平小ネジ(SM11/64 山40×5)     |      |                     |
| 56   |          | Set screw(SM11/64 40×5)                                     | すり割り付穴止メネジ(SM11/64 山40×4)    |      |                     |
|      |          |                                                             |                              |      |                     |
|      |          |                                                             |                              |      |                     |
|      |          |                                                             |                              |      |                     |
|      |          |                                                             |                              |      |                     |
|      |          |                                                             |                              |      |                     |

01B Head・Bed B  
ヘッド・ベッドB



BENYHE-YN-C    BEDYHE-YN-C    BENYHE-ZQ-C    BEDYHE-Z12/ZQ-C  
BENBHE-YN-C    BENBHE-ZQ-C

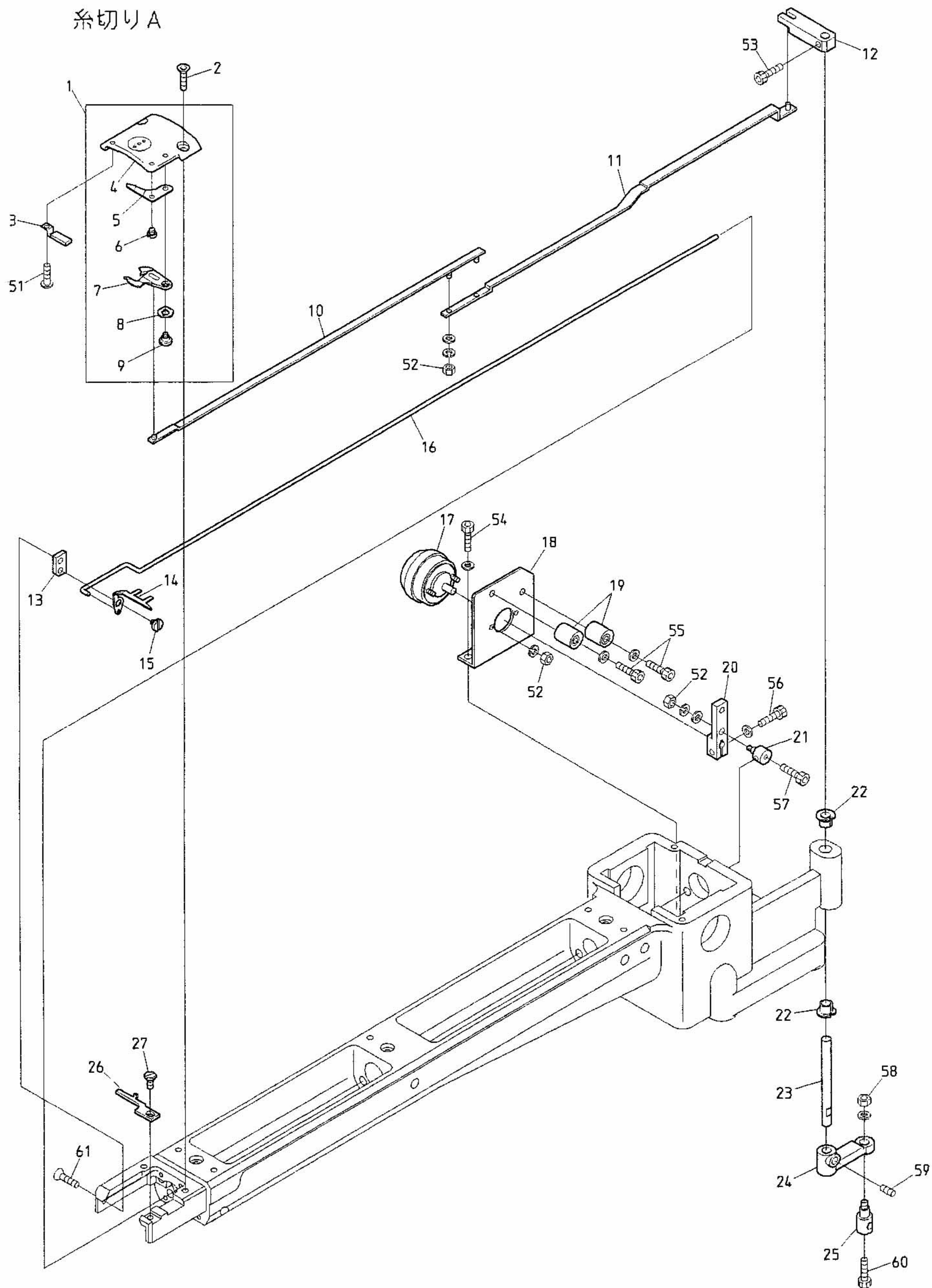


01B Head-Bed B  
ヘッド・ベッドB

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02A Thread cut A  
糸切りA



BEDYHE-YN-C BEDYHE-Z12/ZQ-C

O 2 A Thread cut A  
糸切り A

(H=Head Q' TY)

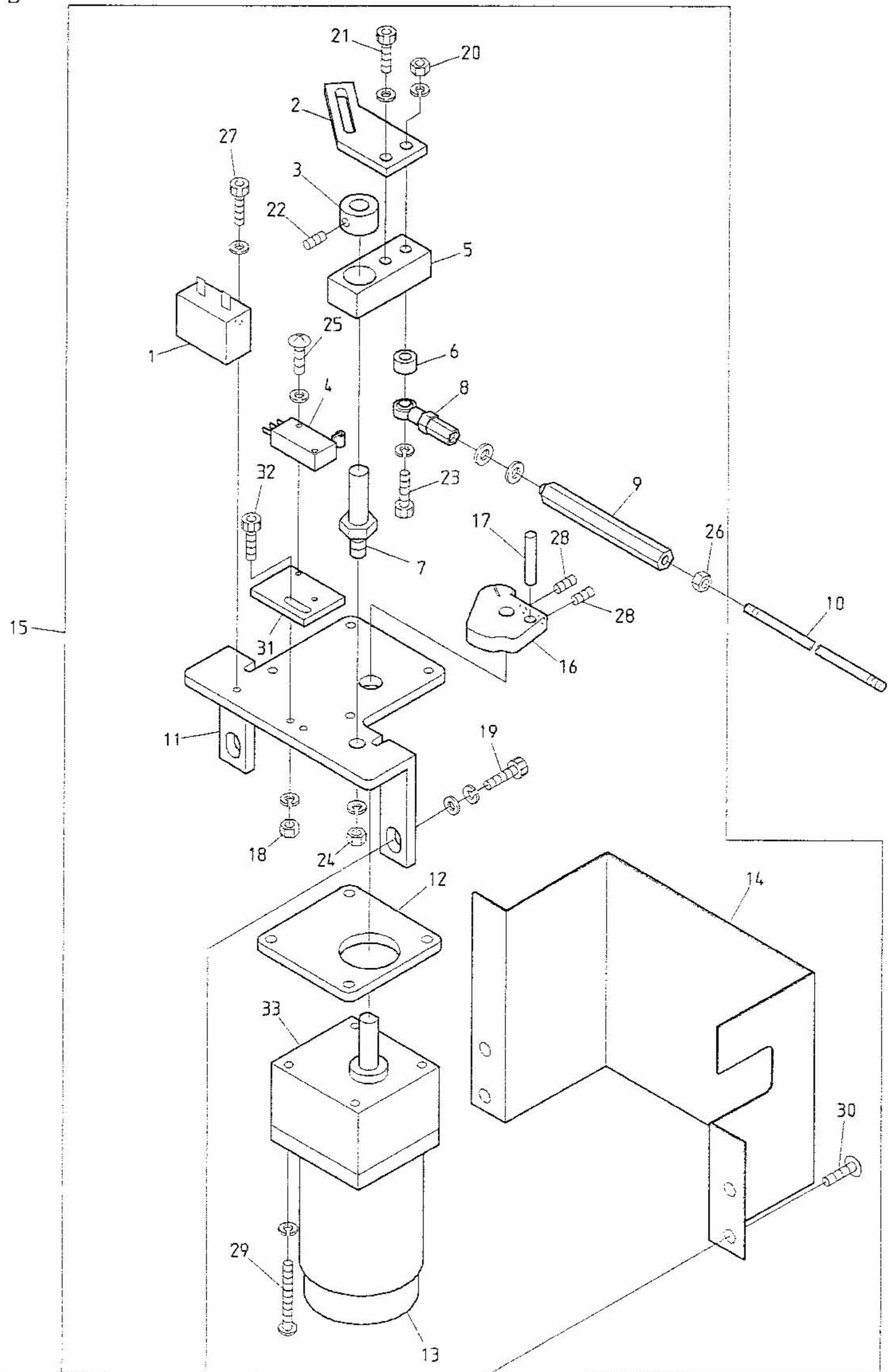
(H=頭数)

| ITEM | LIST No.        | DESCRIPTION                                          | 部品名                                        | Q' TY      | NOTE |
|------|-----------------|------------------------------------------------------|--------------------------------------------|------------|------|
| 1    | S J 2 7 0 0 1 0 | Throat plate a'ssy<br>(Barrel frame correspondence)  | 針板Assy<br>(筒枠対応)                           | H×1        |      |
| 2    | K X 2 5 0 0 8 0 | Throat plate set screw(Hex. socket)                  | 針板止メネジ(六角穴)                                | H×2        |      |
| 3    | H T 2 7 0 1 8 1 | Lower thread support stay(Cylinder) CMP              | 下糸保持ステー(シリンダー) CMP                         | H×1        |      |
| 4    | S J 2 7 0 0 2 0 | Cylinder throat plate<br>Barrel frame correspondence | シリンダー針板<br>筒枠対応                            | H×1        |      |
| 5    | S J 2 7 0 0 4 0 | Fixed knife barrel frame correspondence              | 固定メス 筒枠対応                                  | H×1        |      |
| 6    | K X 2 7 0 0 1 0 | Fixed knife set screw                                | 固定メス止メネジ                                   | H×1        |      |
| 7    | S J 2 7 0 0 3 0 | Driving knife barrel frame correspondence            | 動メス 筒枠対応                                   | H×1        |      |
| 8    | A 9 0 1 3 0 6 6 | Wave washer(WW5) (SK)                                | ウェーブワッシャー(WW5) (SK)                        | H×1        |      |
| 9    | K N 2 7 2 0 1 0 | Lower thread knife rotary shaft                      | 下糸メス回転軸                                    | H×1        |      |
| 10   | H S 2 1 0 1 1 1 | Lower thread knife drive rod A                       | 下糸メス駆動ロッドA                                 | H×1        |      |
| 11   | H S 2 1 0 1 2 1 | Lower thread knife drive rod B                       | 下糸メス駆動ロッドB                                 | H×1        |      |
| 12   | H S 2 1 0 1 0 0 | Lower thread knife drive lever upper                 | 下糸メス駆動レバー上                                 | H×1        |      |
| 13   | H S 2 1 0 0 5 1 | Hook fixed stay(Short type)                          | 突込ミフック取付ステー(ショートタイプ)                       | H×1        |      |
| 14   | H S 2 1 0 3 0 0 | Hook(Cylinder MK5)                                   | 突込ミフック(シリンダーMK5)                           | H×1        |      |
|      | H S 2 1 0 1 4 2 | Hook(For middle bobbin)                              | 突込ミフック(中釜用)                                | H×1        |      |
| 15   | K C 2 7 1 0 0 1 | Upper thread knife rotary shaft                      | 上糸メス回転軸                                    | H×1        |      |
| 16   | H S 2 1 0 0 7 0 | Hook drive rod                                       | フック駆動ロッド                                   | H×1        |      |
| 17   | A 9 0 5 6 0 3 0 | Rotary solenoid<br>3ER25-35×3×8×9 M960371R(ETL)      | ロータリーソレノイド<br>3ER25-35×3×8×9 M960371R(ETL) | H×1        |      |
| 18   | S J 2 1 0 0 4 0 | Solenoid stay(Short small bobbin)                    | ソレノイドステー(ショート小釜)                           | H×1        |      |
|      | H S 2 1 0 0 6 0 | Solenoid stay(For middle bobbin)                     | ソレノイドステー(中釜用)                              | H×1        |      |
| 19   | K N 2 7 2 4 0 1 | Stopper eccentric                                    | ストッパーエキセン                                  | H×2        |      |
| 20   | K C 2 7 1 9 4 0 | Soleroid lever A                                     | ソレノイドレバーA                                  | H×1        |      |
| 21   | H S 2 1 0 0 8 0 | Connecting clamp                                     | 連結クランプ                                     | H×1        |      |
| 22   | A 9 0 1 1 1 7 3 | DU bush with flange(MB0606-12FDU)                    | 鋳付DUブッシュ(MB0606-12FDU)                     | H×2        |      |
| 23   | H S 2 1 0 0 9 0 | Knife lever rotary shaft                             | メスレバー回転軸                                   | H×1        |      |
| 24   | K N 2 7 1 5 6 0 | Knife lever                                          | メスレバー                                      | H×1        |      |
| 25   | H M 2 7 0 0 0 0 | Connecting bar clamp                                 | 連結棒クランプ                                    | H×1        |      |
| 26   | K X 2 7 0 0 0 0 | Rotating hook bobbin case holder position<br>bracket | 釜止メ                                        | H×1<br>H×1 |      |
| 27   | K X 2 7 0 4 3 0 | Screw(Cylinder)                                      | 釜止メ用ネジ(シリンダー)                              | H×1        |      |
| 51   |                 | Pan screw M3×3                                       | 十字穴付ナベ小ネジ M3×3                             |            |      |
| 52   |                 | Hex. nut M3                                          | 六角ナット M3                                   |            |      |
| 53   |                 | Hex. socket bolt M4×6                                | 六角穴付ボルト M4×6                               |            |      |
| 54   |                 | Hex. socket bolt M4×8(With plain washer)             | 六角穴付ボルト M4×8(平座金付)                         |            |      |
| 55   |                 | Hex. socket bolt M4×18                               | 六角穴付ボルト M4×18                              |            |      |
| 56   |                 | Hex. socket bolt M4×10                               | 六角穴付ボルト M4×10                              |            |      |
| 57   |                 | Hex. socket bolt M3×5                                | 六角穴付ボルト M3×5                               |            |      |
| 58   |                 | Hex. nut M4                                          | 六角ナット M4                                   |            |      |
| 59   |                 | Hex. socket set screw M5×6                           | 六角穴付止メネジ M5×6                              |            |      |
| 60   |                 | Hex. socket bolt M4×8                                | 六角穴付ボルト M4×8                               |            |      |
| 61   |                 | Hex. socket flush screw M4×6                         | 六角穴付皿ネジ M4×6                               |            |      |



02B Thread cut B  
糸切りB

(差し替え用) 本機構については、こちらをご覧ください。



BEDYHE-YN-C BEDSHE-ZQ-BS BEDYHE-Z12/ZQ-C BEDLHE-Z12/ZQ-C



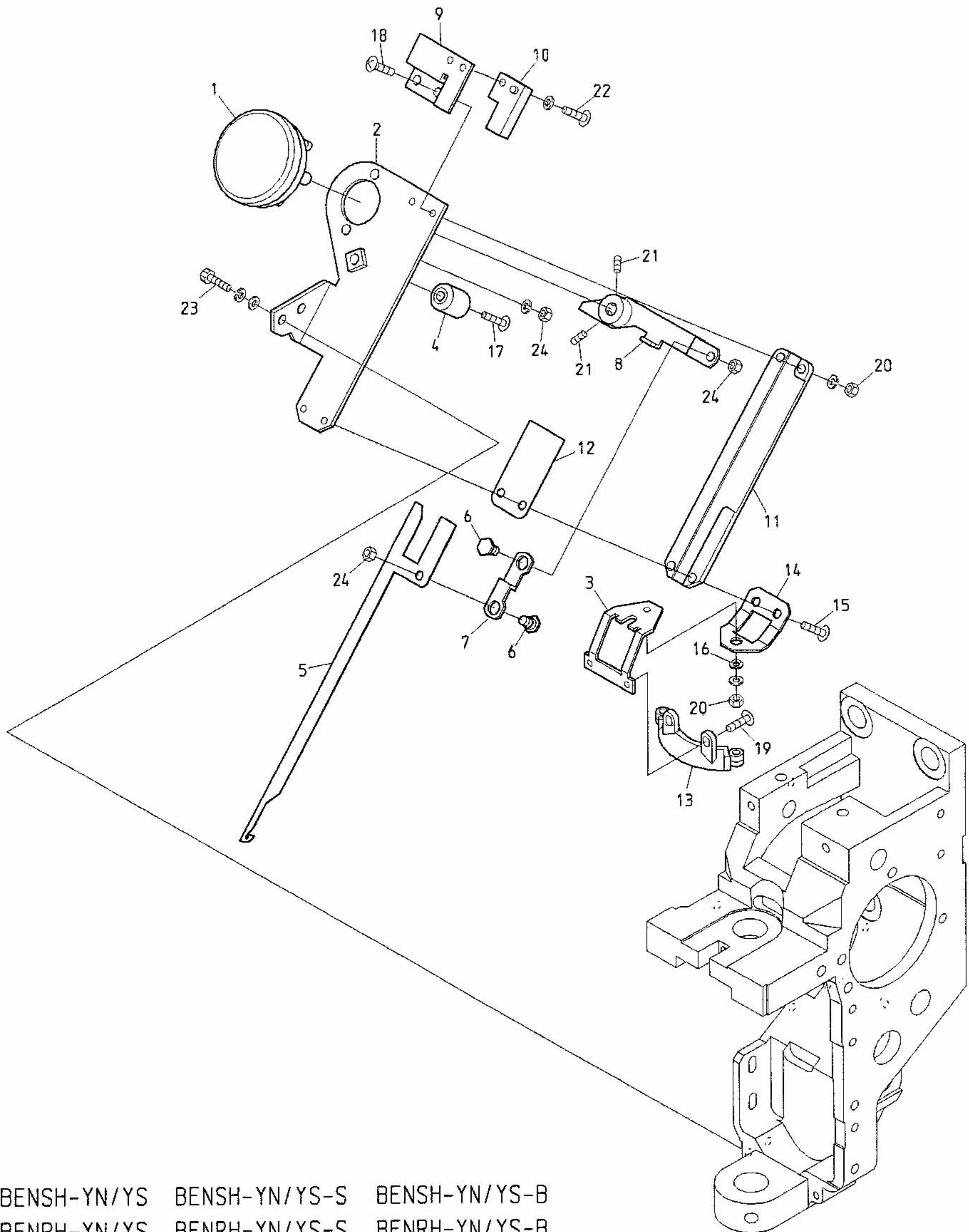
(差し替え用) 本機構については、こちらをご覧ください。

## 02B Thread cut B

### 糸切りB

| ITEM | LIST No. | DESCRIPTION                                                        | 部品名                       | Q'TY  | NOTE                       |
|------|----------|--------------------------------------------------------------------|---------------------------|-------|----------------------------|
| 1    |          | Condenser(CH45UL)                                                  | コンデンサーモールド型(CH45UL)       | 1     | Motor accessory<br>モーター付属品 |
| 2    | HS270030 | Motor cam lever                                                    | モーターカムレバー                 | 1     |                            |
| 3    | KC330180 | Collar φ10                                                         | カラー φ10                   | 1     |                            |
| 4    | A9052078 | Micro switch(D2VW-01L2A-1)                                         | マイクロスイッチ(D2VW-01L2A-1)    | 1     |                            |
| 5    | KN271782 | Drive lever                                                        | 駆動レバー                     | 1     |                            |
| 6    | HM270010 | Motor lever collar                                                 | モーターレバーカラー                | 1     |                            |
| 7    | KN271750 | Motor lever rotary shaft                                           | モーターレバー回転軸                | 1     |                            |
| 8    | A9012002 | Uniball joint(PR-6)                                                | ユニボールジョイント(PR-6)          | 1     |                            |
| 9    | KC330510 | Hex. connecting rod(Large)                                         | 六角連結棒(大)                  | 1     |                            |
| 10   | KC330410 | Lock connecting rod(2M)                                            | ロック連結ロッド(2M)              | 3     |                            |
| 11   | SJ270070 | Thread cutter motor bracket<br>(Barrel frame correspondence)       | 糸切りモータブラケット<br>(筒枠対応)     | 1     |                            |
| 12   | SJ270080 | Motor spacer(Barrel frame correspondence)                          | モータースペーサー(筒枠対応)           | 1     |                            |
| 13   | A9065092 | Reversible motor 3RJ10GB-AUL-E4                                    | リバーシブルモーター 3RJ10GB-AUL-E4 | 1     |                            |
| 14   | SJ250060 | Thread cutter central drive cover<br>(Barrel frame correspondence) | 糸切り集中駆動カバー<br>(筒枠対応)      | 1     |                            |
| 15   | SJ270050 | Thread cutter central drive a'ssy MK5<br>(Barrel frame)            | 糸切り集中駆動部ASSY MK5<br>(筒枠)  | 1 set |                            |
| 16   | SJ270090 | Drive cam(Barrel frame correspondence)                             | 駆動カム(筒枠対応)                | 1     |                            |
| 17   | KN272350 | Drive pin                                                          | 駆動ピン                      | 1     |                            |
| 18   |          | Hex. nut M3                                                        | 六角ナット M3                  |       |                            |
| 19   |          | Hex. socket bolt M8×20                                             | 六角穴付ボルト M8×20             |       |                            |
| 20   |          | Hex. nut M6                                                        | 六角ナット M6                  |       |                            |
| 21   |          | Hex. socket bolt M6×12                                             | 六角穴付ボルト M6×12             |       |                            |
| 22   |          | Hex. socket set screw M5×6                                         | 六角穴付止めネジ M5×6             |       |                            |
| 23   |          | Hex. socket bolt M6×55                                             | 六角穴付ボルト M6×55             |       |                            |
| 24   |          | Hex. nut M8                                                        | 六角ナット M8                  |       |                            |
| 25   |          | Truss screw M3×15, M3×20                                           | 十字穴付トラス小ネジ M3×15, M3×20   |       |                            |
| 26   |          | Hex. nut M5                                                        | 六角ナット M5                  |       |                            |
| 27   |          | Hex. socket bolt M4×10                                             | 六角穴付ボルト M4×10             |       |                            |
| 28   |          | Hex. socket set screw M5×6                                         | 六角穴付止めネジ M5×6             |       |                            |
| 29   |          | Pan screw M5×65                                                    | 十字穴付ナベ小ネジ M5×65           |       |                            |
| 30   |          | Truss screw M6×10                                                  | 十字穴付トラス小ネジ M6×10          |       |                            |
| 31   | HS270070 | Switch fixed bracket(Cylinder)                                     | スイッチ取付ブラケット(シリンダ)         |       |                            |
| 32   |          | Hex. socket bolt M4×12                                             | 六角穴付ボルト M4×12             |       |                            |
| 33   | A9065107 | Gear head 3GB36K                                                   | ギヤヘッド 3GB36K              | 1     |                            |
|      |          |                                                                    |                           |       |                            |
|      | A9053082 | Thread cutter motor cable 0.75×6×4M                                | 糸切りモーターケーブル 0.75×6×4M     | 1     |                            |
|      |          |                                                                    |                           |       |                            |
|      |          |                                                                    |                           |       |                            |
|      |          |                                                                    |                           |       |                            |
|      |          |                                                                    |                           |       |                            |
|      |          |                                                                    |                           |       |                            |
|      |          |                                                                    |                           |       |                            |
|      |          |                                                                    |                           |       |                            |
|      |          |                                                                    |                           |       |                            |
|      |          |                                                                    |                           |       |                            |

02C Thread cut C  
糸切りC



BENSH-YN/YS    BENSH-YN/YS-S    BENSH-YN/YS-B  
BENRH-YN/YS    BENRH-YN/YS-S    BENRH-YN/YS-B

BENSH-YN/YS-BS    BENSH-YN-KS    BEDSH-YN/YS-BS    BENYH-YN    BENYH-YN-C    BEDYH-YN  
BENRH-YN/YS-BS    BENRH-YN-KS    BENBH-YN

BEDYH-YN-C    BENSHE-YN/YS    BENYHE-YN    BENYHE-YN-B    BENYHE-YN-C    BEDYHE-YN-C  
BENRHE-YN/YS    BENBHE-YN    BENBHE-YN-B    BENBHE-YN-C



Thread cut C

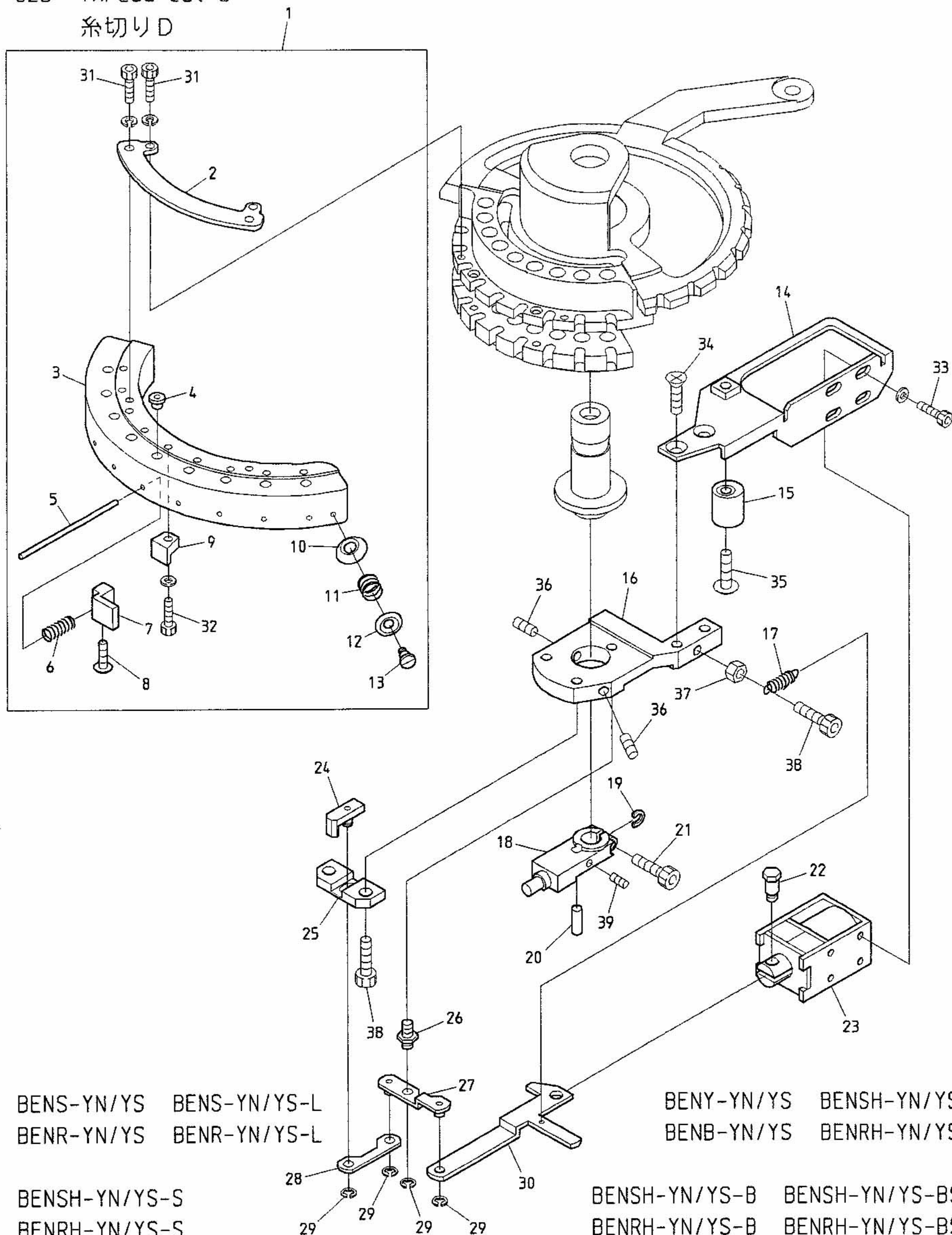
(H=Head Q' TY)

糸切りC

(H=頭数)

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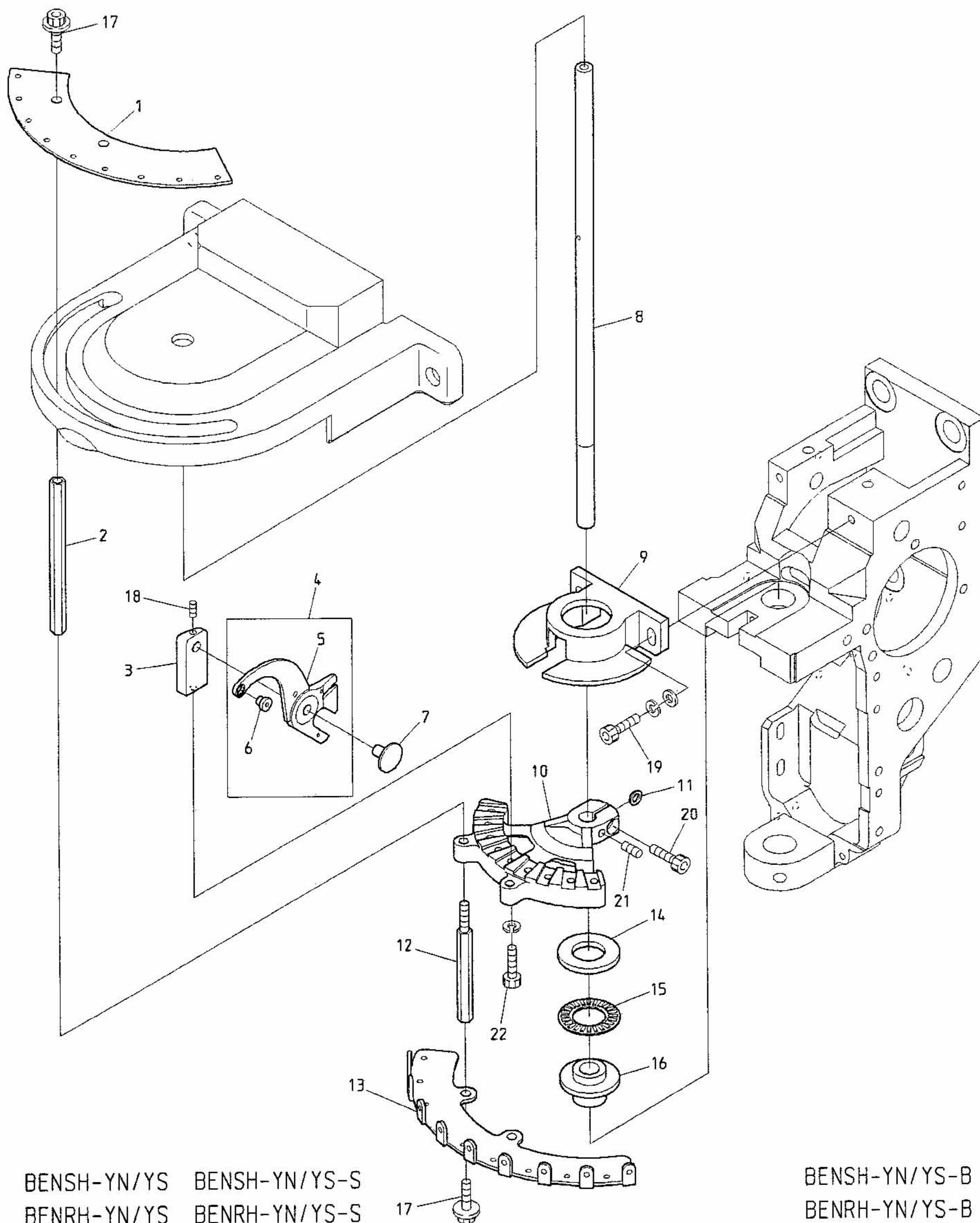


| ITEM | LIST No. | DESCRIPTION                                            | 部品名                          | Q' TY | NOTE               |
|------|----------|--------------------------------------------------------|------------------------------|-------|--------------------|
| 1    | HT270030 | Thread support apron a'ssy(YN)                         | 糸保持エプロンa'ssy(YN)             | H×1   | YN                 |
|      | HT270140 | Thread support apron a'ssy(YS-2)                       | 糸保持エプロンa'ssy(YS-2)           | H×1   | YS                 |
| 2    | HT270010 | Thread support apron fixing stay                       | 糸保持エプロン取付ステー                 | H×1   |                    |
| 3    | HT270001 | Thread support apron(YN)                               | 糸保持エプロン(YN)                  | H×1   | YN                 |
|      | HT270150 | Thread support apron(YS-2)                             | 糸保持エプロン(YS-2)                | H×1   | YS                 |
| 4    | KF230582 | Thread way guide(For thread support apron)             | 糸道ガイド(糸保持エプロン用)              |       | YN...H×9, YS...H×7 |
| 5    | HT270040 | Thread support shaft                                   | 糸保持軸                         |       | YN...H×9, YS...H×7 |
| 6    | KC270271 | Support spring                                         | 保持バネ                         |       | YN...H×9, YS...H×7 |
| 7    | HT270022 | Thread support clamp                                   | 糸保持クランプ                      |       | YN...H×9, YS...H×7 |
| 8    | HT270063 | Thread support clamp set screw(YN)                     | 糸保持クランプ止めネジ(YN)              |       | YN...H×9, YS...H×7 |
| 9    | KC270292 | Thread support block                                   | 糸保持ブロック                      |       | YN...H×9, YS...H×7 |
| 10   | KF250220 | Thread guard disk                                      | 糸カケ皿                         | H×2   |                    |
| 11   | KF250241 | Thread hook support spring                             | 糸止めバネ                        | H×2   |                    |
| 12   | KF250231 | Thread guard spring pressure                           | 糸カケバネ押エ                      | H×2   |                    |
| 13   | KF250250 | Thread hook support shaft screw                        | 糸止め軸ネジ                       | H×2   |                    |
| 14   | KL270070 | Solenoid stay                                          | ソレノイドステー                     | H×1   |                    |
| 15   | KN272401 | Stopper eccentric                                      | ストッパーエキセン                    | H×1   |                    |
| 16   | KL270000 | Fixing base                                            | 取付ベース                        | H×1   |                    |
| 17   | KL270520 | Return spring                                          | リターンスプリング                    | H×1   |                    |
| 18   | HT230361 | Drive shaft fixing plate                               | 駆動軸固定プレート                    | H×1   |                    |
| 19   | HT230830 | Washer for drive shaft fixing plate                    | 駆動軸固定プレート用ワッシャー              | H×1   |                    |
| 20   | HT230350 | Thread guard disk drive pin                            | 糸掛皿駆動ピン                      | H×1   |                    |
| 21   | HT230640 | Drive shaft fixing plate clamp bolt                    | 駆動軸固定プレート締めボルト               | H×1   |                    |
| 22   | KC270101 | Solenoid pin                                           | ソレノイドピン                      | H×1   |                    |
| 23   | A9056037 | Keep solenoid TDS-K10SL(With cover)                    | キープソレノイド TDS-K10SL(カバーつき)    | H×1   |                    |
| 24   | HT270120 | Thread support slider                                  | 糸保持スライダー                     | H×1   |                    |
| 25   | HT270100 | Slide base                                             | スライドベース                      | H×1   |                    |
| 26   | KL270040 | Lever rotary shaft                                     | レバー回転軸                       | H×1   |                    |
| 27   | HT270090 | Solenoid lever                                         | ソレノイドレバー                     | H×1   |                    |
| 28   | HT270080 | Drive plate                                            | 駆動プレート                       | H×1   |                    |
| 29   | A9012127 | E-ring φ3                                              | E型止め輪 φ3                     | H×4   |                    |
| 30   | KL270060 | Lever connecting plate                                 | レバー連結プレート                    | H×1   |                    |
| 31   |          | Hex. socket bolt(Plating) M3×6<br>(With spring washer) | 六角穴付ボルト(メッキ) M3×6<br>(バネ座金付) |       |                    |
| 32   |          | Hex. socket bolt M3×10(With plain washer)              | 六角穴付ボルト M3×10(平座金付)          |       |                    |
| 33   |          | Hex. socket bolt M3×6                                  | 六角穴付ボルト M3×6                 |       |                    |
| 34   |          | Flush screw M4×8                                       | 十字穴付皿小ネジ M4×8                |       |                    |
| 35   |          | Truss screw M4×16                                      | 十字穴付トラス小ネジ M4×16             |       |                    |
| 36   |          | Hex. socket set screw M4×8                             | 六角穴付止めネジ M4×8                |       |                    |
| 37   |          | Hex. nut M4                                            | 六角ナット M4                     |       |                    |
| 38   |          | Hex. socket bolt M4×8                                  | 六角穴付ボルト M4×8                 |       |                    |
| 39   |          | Set screw M3×5                                         | セットネジ M3×5                   |       |                    |
|      |          |                                                        |                              |       |                    |
|      |          |                                                        |                              |       |                    |
|      |          |                                                        |                              |       |                    |



# 03A Take up lever A

天秤A



BENSH-YN/YS    BENSH-YN/YS-S  
BENRH-YN/YS    BENRH-YN/YS-S

BENSH-YN/YS-B  
BENRH-YN/YS-B

BENSH-YN/YS-BS    BENSH-YN-KS    BEDSH-YN/YS-BS    BENYH-YN    BENYH-YN-C    BEDYH-YN  
BENRH-YN/YS-BS    BENRH-YN-KS    BENBH-YN

BEDYH-YN-C    BENSHE-YN/YS    BENYHE-YN    BENYHE-YN-B    BENYHE-YN-C    BEDYHE-YN-C  
BENRHE-YN/YS    BENBHE-YN    BENBHE-YN-B    BENBHE-YN-C

天秤 A

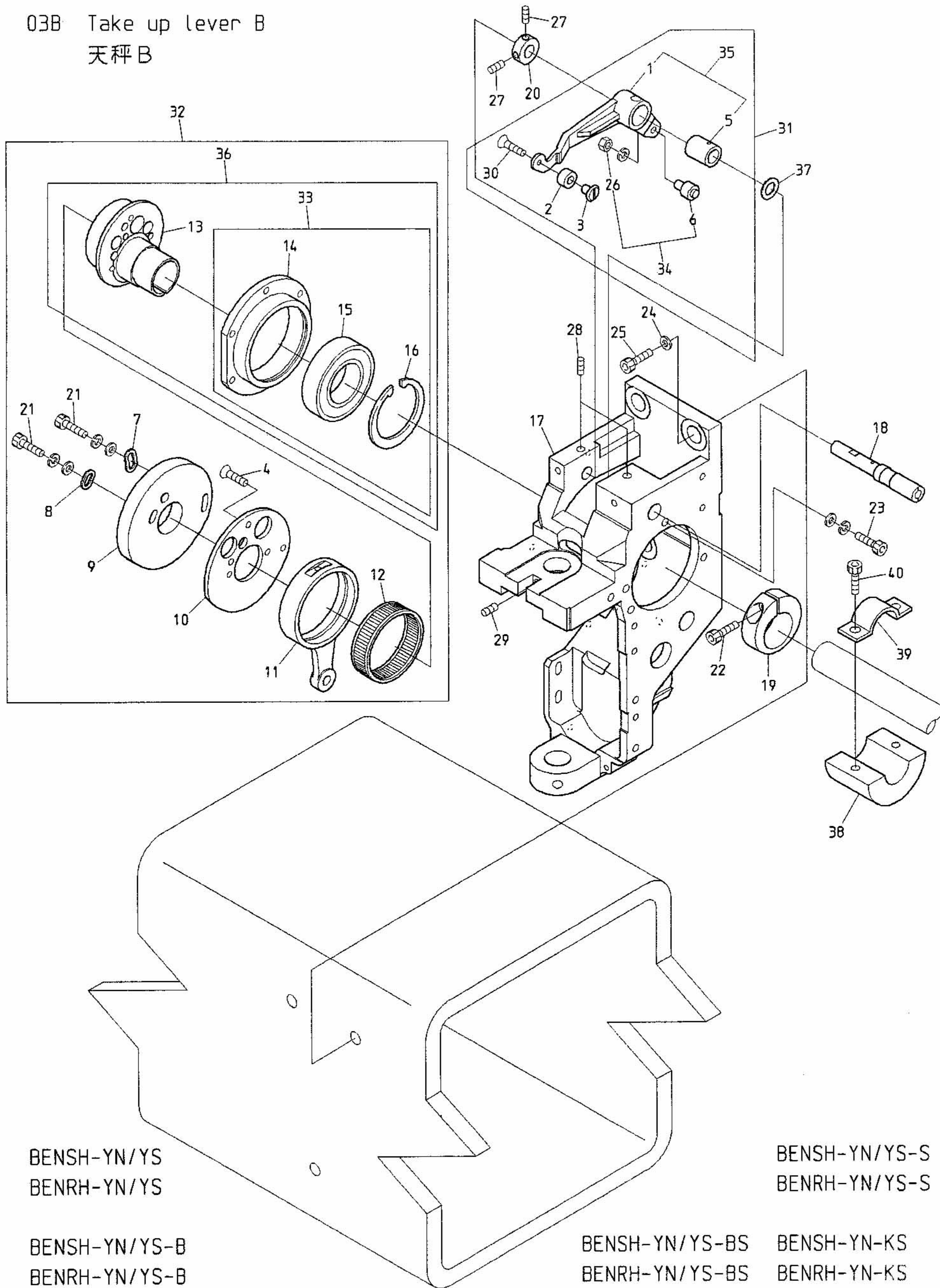
(H=頭数)

H1

000515



03B Take up lever B  
天秤B



# 03B Take up lever B

(H=Head Q'TY)

## 天秤B

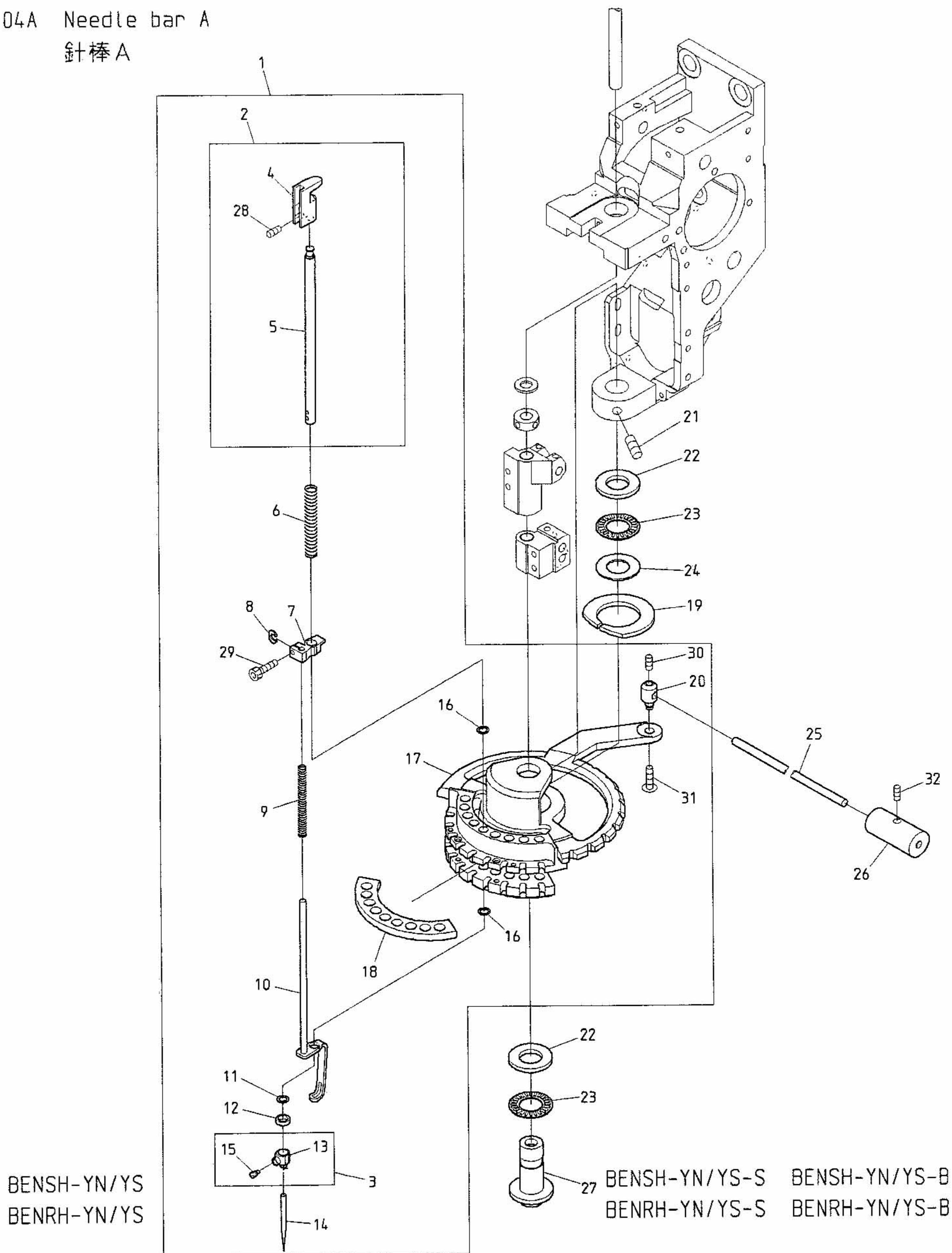
(H=頭数)

| ITEM | LIST No. | DESCRIPTION                                          | 部品名                       | Q'TY | NOTE                                      |
|------|----------|------------------------------------------------------|---------------------------|------|-------------------------------------------|
| 1    | RH230311 | Take up lever driving lever                          | 天秤駆動レバー                   | H×1  |                                           |
| 2    | RR230000 | Take up lever driving roller                         | 天秤駆動コロ                    | H×1  |                                           |
| 3    | HT230100 | Take up lever driving roller shaft(YN)               | 天秤駆動コロ軸(YN)               | H×1  |                                           |
| 4    | HB230620 | Flush screw                                          | 十字穴付皿小ネジ(浸炭焼入)            | H×3  |                                           |
| 5    | RH230810 | Take up lever metal                                  | 天秤駆動レバーメタル                | H×1  |                                           |
| 6    | KF230680 | Cam followers(KR×4×7.9×15-1P×1)                      | カムフォロア(KR×4×7.9×15-1P×1)  | H×1  |                                           |
| 7    | HB230080 | Washer for cam(2)                                    | カム用ワッシャー(2)               | H×1  |                                           |
| 8    | HB230070 | Washer for cam(1)                                    | カム用ワッシャー(1)               | H×1  |                                           |
| 9    | RH230290 | Take up lever cam H6 φ20                             | 天秤カム H6 φ20               | H×1  | Small bobbin<br>小釜                        |
|      | RN230071 | Take up lever cam J2 φ20                             | 天秤カム J2 φ20               | H×1  | Middle bobbin<br>中釜                       |
| 10   | RH230300 | Take up lever cam base                               | 天秤カムベース                   | H×1  |                                           |
| 11   | RH230280 | Needle bar crank rod                                 | 針棒クランクロッド                 | H×1  |                                           |
| 12   | RH230271 | Needle bearing                                       | ニードルベアリング                 | H×1  |                                           |
| 13   | RN230020 | Needle bar driving cam(Eccentric 9.2 φ20)            | 針棒駆動カム(偏心9.2 φ20)         | H×1  |                                           |
| 14   | RN230040 | Bearing case                                         | ベアリングケース                  | H×1  |                                           |
| 15   | A9010073 | Ball bearing(6005ZZ)                                 | ボールベアリング(6005ZZ)          | H×1  |                                           |
| 16   | A9012421 | C-ring for hole φ47                                  | C型止め輪穴用 φ47               | H×1  |                                           |
| 17   | RN210011 | Arm                                                  | アーム                       | H×1  |                                           |
| 18   | RH230320 | Take up lever driving lever fixing pin               | 天秤駆動レバー固定ピン               | H×1  |                                           |
| 19   | RH230330 | Needle bar driving cam set collar                    | 針棒駆動カム締付カラー               | H×1  |                                           |
| 20   | HB230800 | Take up lever driving lever fixing pin<br>set collar | 天秤駆動レバー固定ピンセットカラー         | H×1  |                                           |
| 21   |          | Hex. socket bolt M4×8                                | 六角穴付ボルト M4×8              |      |                                           |
| 22   |          | Hex. socket bolt M5×18                               | 六角穴付ボルト M5×18             |      |                                           |
| 23   |          | Hex. socket bolt M4×15                               | 六角穴付ボルト M4×15             |      |                                           |
| 24   |          | Disc spring 8                                        | 皿バネ 8                     |      |                                           |
| 25   |          | Hex. socket bolt M8×25                               | 六角穴付ボルト M8×25             |      |                                           |
| 26   |          | Hex. nut M4<br>(With adhesion, With spring washer)   | 六角ナット M4<br>(接着剤付, バネ座金付) |      |                                           |
| 27   |          | Hex. socket set screw M4×4(With adhesion)            | 六角穴付止めネジ M4×4(接着剤付)       | H×1  |                                           |
| 28   |          | Hex. socket set screw M5×10                          | 六角穴付止めネジ M5×10            |      |                                           |
| 29   |          | Hex. socket set screw M4×8                           | 六角穴付止めネジ M4×8             |      |                                           |
| 30   | HB230650 | Flush screw(With adhesion)                           | 十字穴付皿小ネジ(接着剤付)            | H×1  |                                           |
| 31   | RR230040 | Take up lever driving lever a'ssy                    | 天秤駆動レバーa'ssy              | H×1  |                                           |
| 32   | RN230000 | Take up lever Needle bar drive a'ssy                 | 天秤・針棒駆動a'ssy              | H×1  | Small bobbin<br>小釜                        |
|      | RN230061 | Take up lever Needle bar drive a'ssy                 | 天秤・針棒駆動a'ssy 中釜           | H×1  | Middle bobbin<br>中釜                       |
| 33   | RN230030 | Bearing case a'ssy                                   | ベアリングケースa'ssy             | H×1  |                                           |
| 34   | KF230501 | Take up lever roller a'ssy                           | 天秤コロASSY                  | H×1  |                                           |
| 35   | RH230801 | Take up lever driving lever(Metal)                   | 天秤駆動レバー(メタル圧入)            | H×1  |                                           |
| 36   | RN230010 | Needle bar driving cam a'ssy                         | 針棒駆動カムa'ssy               | H×1  |                                           |
| 37   | RH230610 | Thrust washer                                        | スラストワッシャー                 | H×1  |                                           |
| 38   | RR320020 | Balancer for φ20 shaft                               | バランサー φ20軸用               | H-2  | DSH, NSH/NRH-KS only<br>DSH, NSH/NRH-KS専用 |
| 39   | RR320030 | Balancer set plate(For φ20 shaft)                    | バランサー止メ金具(φ20軸用)          | H-2  | DSH, NSH/NRH-KS only<br>DSH, NSH/NRH-KS専用 |
| 40   |          | Hex. socket bolt M5×15                               | 六角穴付ボルト M5×15             |      | DSH, NSH/NRH-KS only<br>DSH, NSH/NRH-KS専用 |



# 04A Needle bar A

針棒A



BENSH-YN/YS  
BENRH-YN/YS

BENSH-YN/YS-S BENSH-YN/YS-B  
BENRH-YN/YS-S BENRH-YN/YS-B

BENSH-YN/YS-BS BENSH-YN-KS BEDSH-YN/YS-BS BENYH-YN BENYH-YN-C BEDYH-YN  
BENRH-YN/YS-BS BENRH-YN-KS BENBH-YN

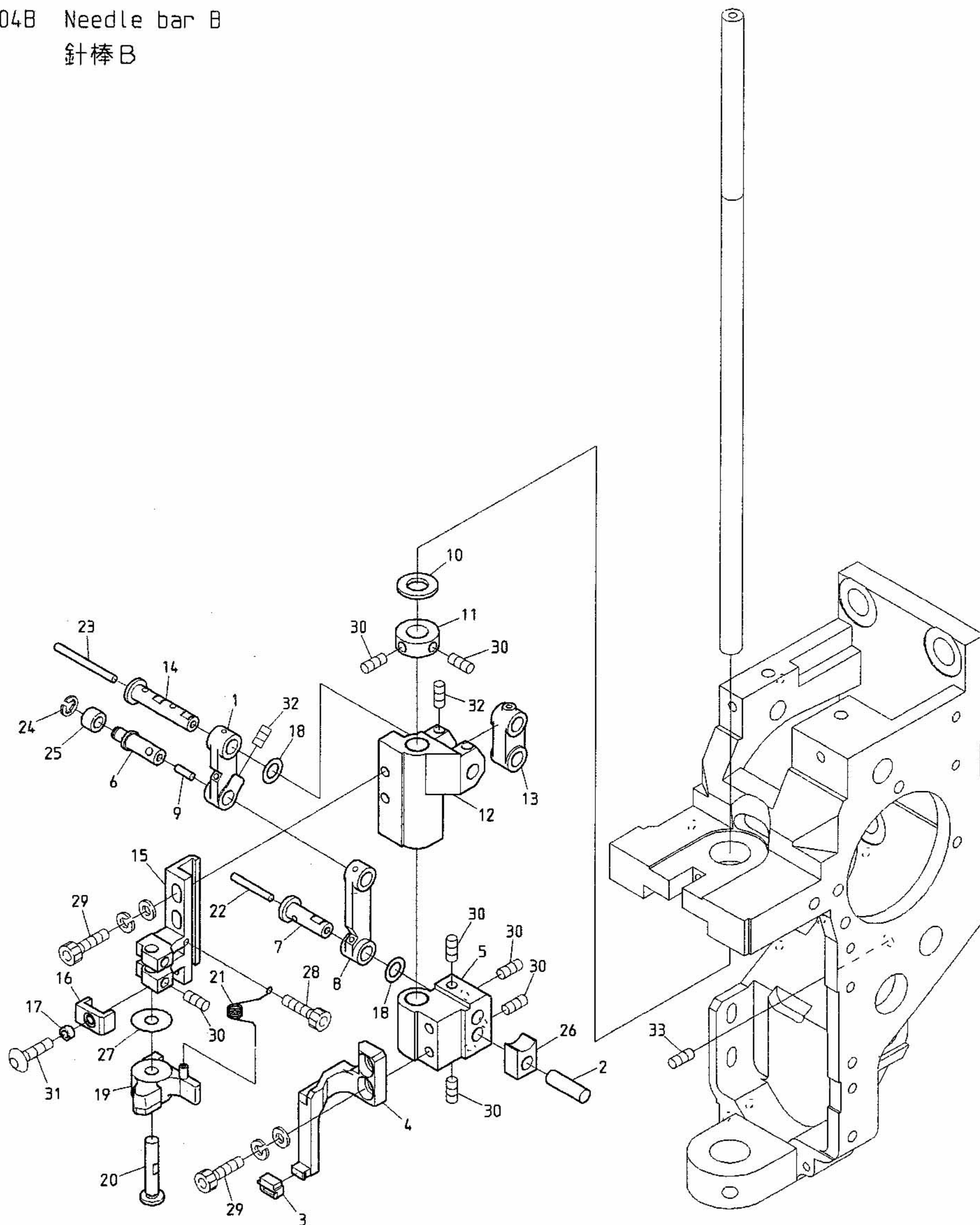
BEDYH-YN-C BENSHE-YN/YS BENYHE-YN BENYHE-YN-B BENYHE-YN-C BEDYHE-YN-C  
BENRHE-YN/YS BENØHE-YN BENØHE-YN-B BENØHE-YN-C

針棒 A

(H=頭数) (※は機種によって異なる)

H1





BENSH-YN/YS    BENSH-YN/YS-S    BENSH-YN/YS-B  
 BENRH-YN/YS    BENRH-YN/YS-S    BENRH-YN/YS-B

BENSH-YN/YS-BS    BENSH-YN-KS    BEDSH-YN/YS-BS    BENYH-YN    BENYH-YN-C    BEDYH-YN  
 BENRH-YN/YS-BS    BENRH-YN-KS    BENBH-YN

BEDYH-YN-C    BENSHE-YN/YS    BENYHE-YN    BENYHE-YN-B    BENYHE-YN-C    BEDYHE-YN-C  
 BENRHE-YN/YS    BENBHE-YN    BENBHE-YN-B    BENBHE-YN-C

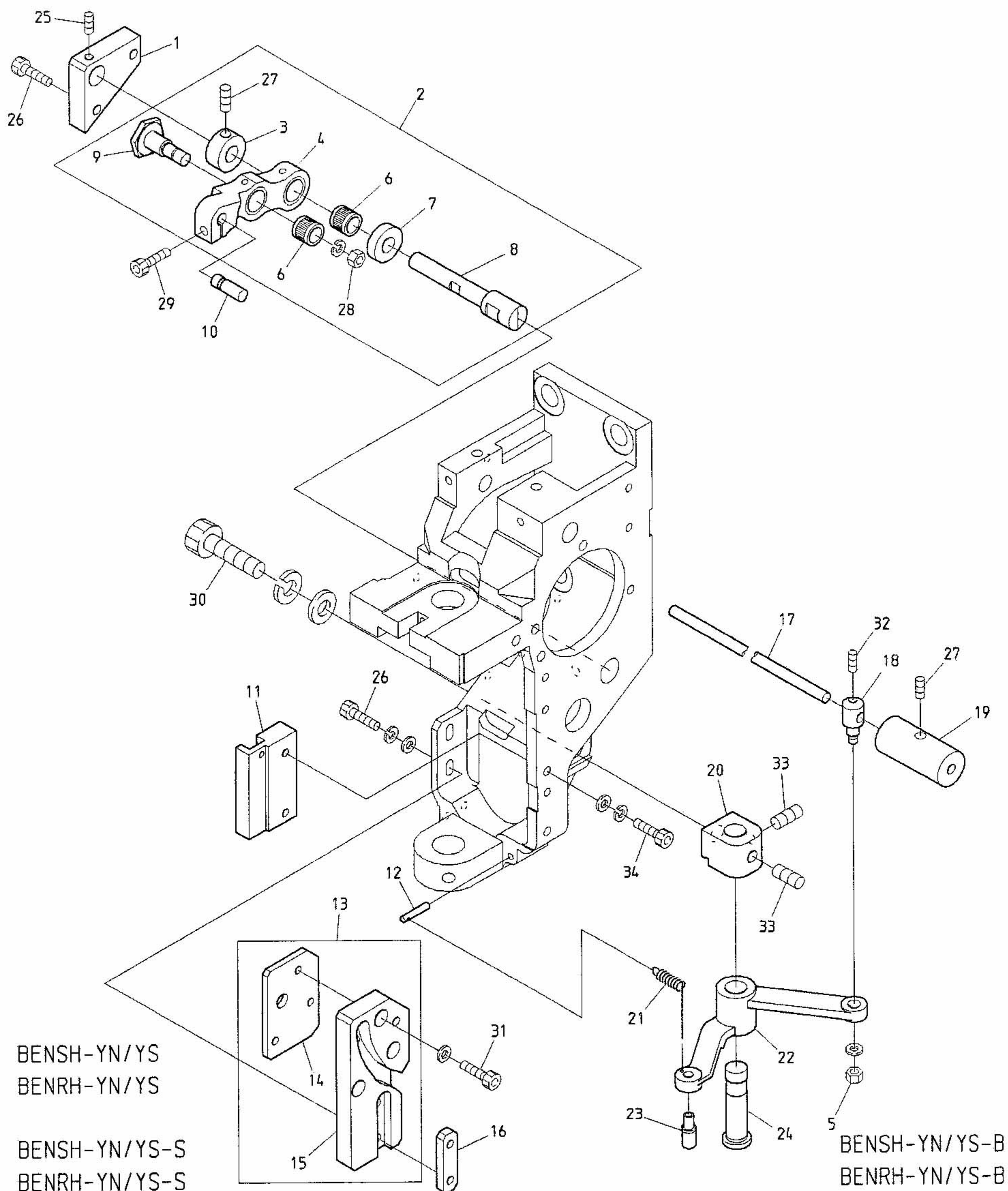
### 針棒B

(H=頭數)

H-1



04C Needle bar C  
針棒C



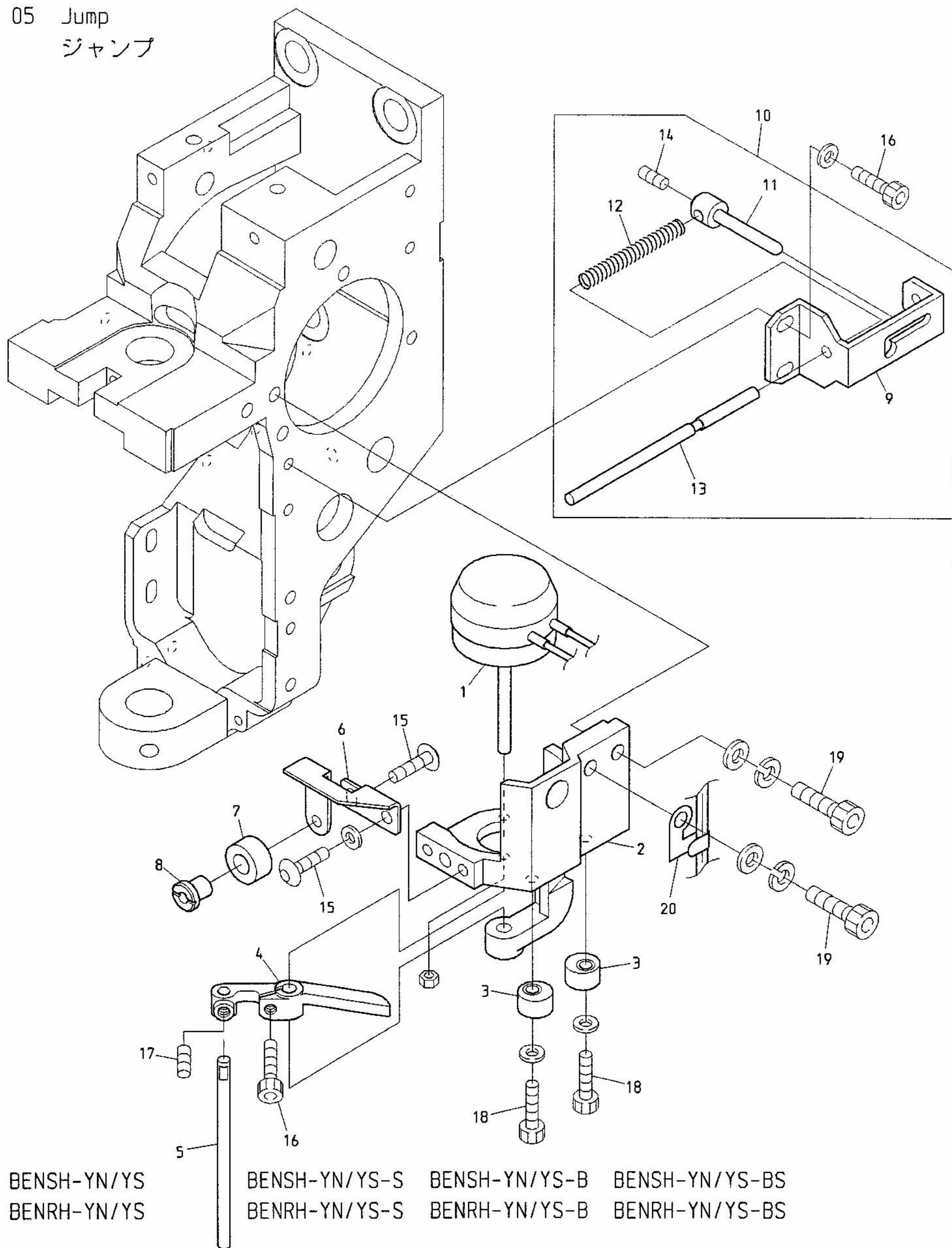
針棒 C

(H=頭数) (※は機種によって異なる)

H1



05 Jump  
ジャンプ



BENSH-YN/YS  
BENRH-YN/YS

BENSH-YN/YS-S  
BENRH-YN/YS-S

BENSH-YN/YS-B  
BENRH-YN/YS-B

BENSH-YN/YS-BS  
BENRH-YN/YS-BS

BENSH-YN-KS  
BENRH-YN-KS

BEDSH-YN/YS-BS

BENYH-YN  
BENBH-YN

BENYH-YN-C

BEDYH-YN

BEDYH-YN-C

BENSHE-YN/YS  
BENRHE-YN/YS

BENYHE-YN  
BENBHE-YN

BENYHE-YN-B  
BENBHE-YN-B

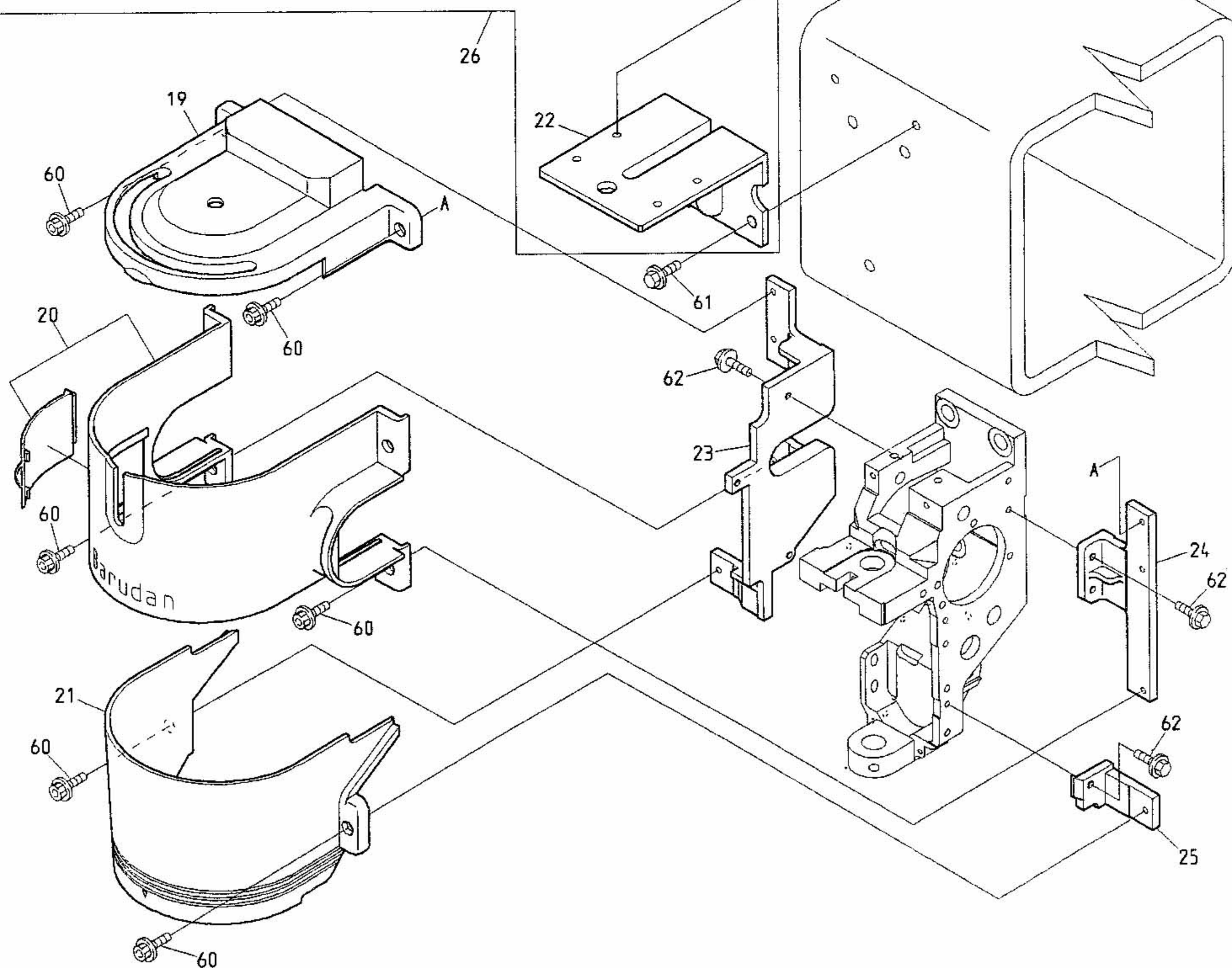
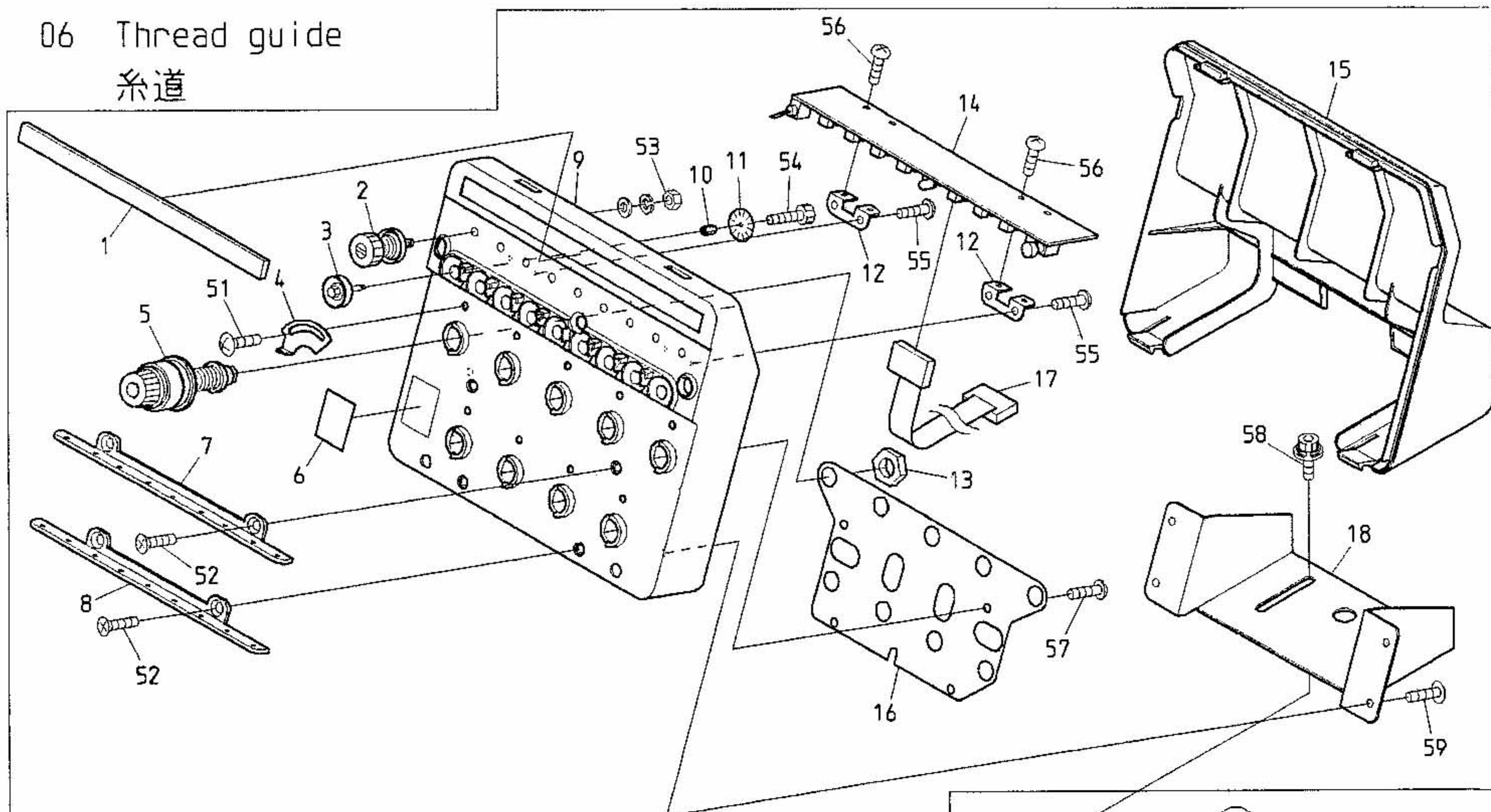
BENYHE-YN-C  
BENBHE-YN-C

BEDYHE-YN-C

[illegible]



06 Thread guide  
糸道



BENSH-YN-KS BEDSH-YN-BS BEDYH-YN BEDYH-YN-C BEDYHE-YN-C  
BENRH-YN-KS



# 06 Thread guide

(H=Head Q' TY)

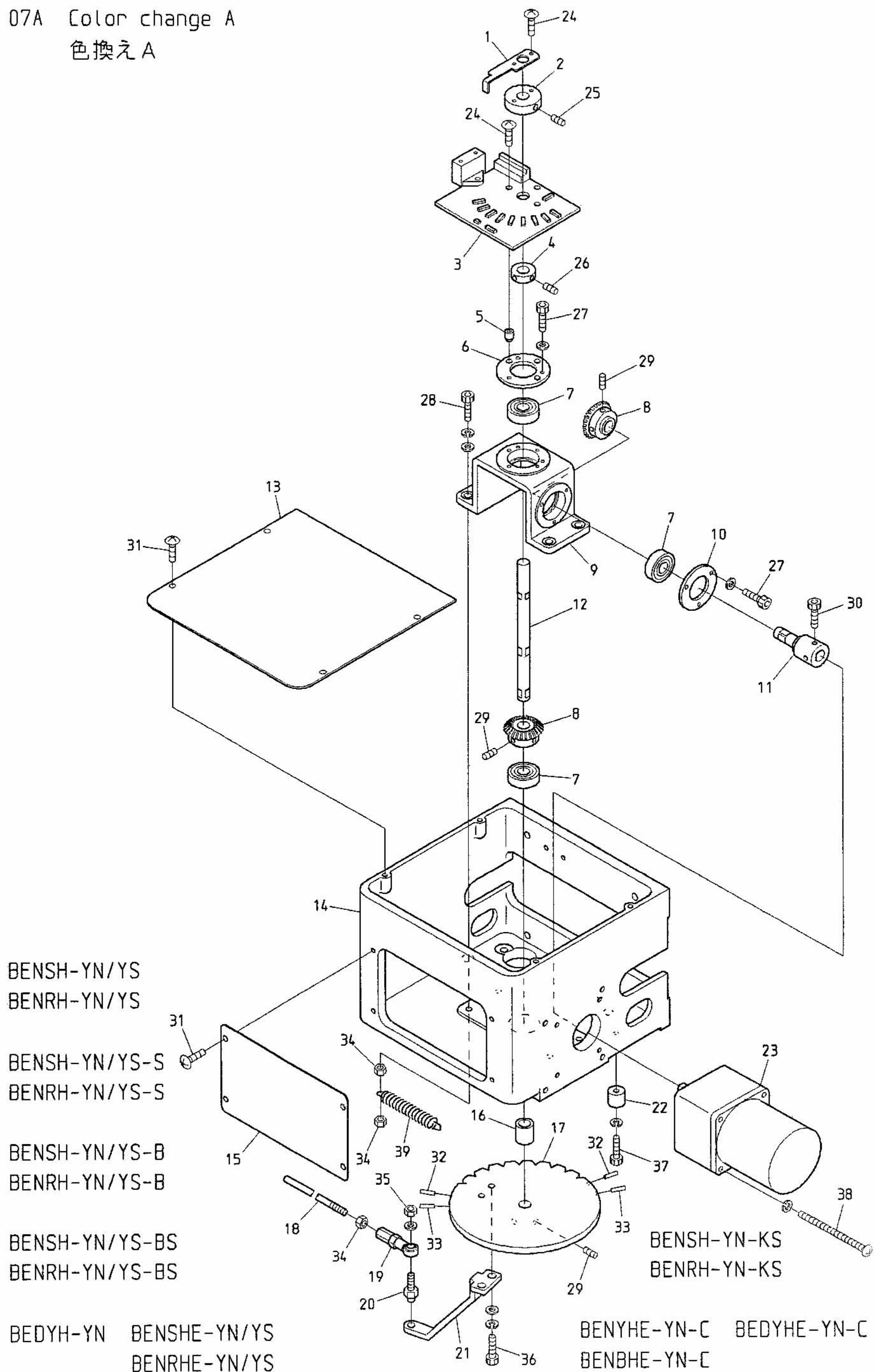
## 糸道

(H=頭数)

| ITEM | LIST No.       | DESCRIPTION                              | 部品名                      | Q' TY | NOTE |
|------|----------------|------------------------------------------|--------------------------|-------|------|
| 1    | RR 2 4 0 2 8 0 | Felt(DSH-YN)                             | フェルト(DSH-YN)             | H×1   |      |
| 2    | RR 2 4 0 3 0 0 | Tension a'ssy(DS)                        | 糸調子ASSY(DS)              | H×9   |      |
| 3    | HT 2 4 0 2 9 0 | Tension wheel a'ssy                      | テンションホイール組立              | H×9   |      |
| 4    | RR 2 4 0 5 1 0 | Thread spring adjusting plate            | 糸掛けバネ調整板                 | H×9   |      |
| 5    | RD 2 4 0 1 5 4 | Dial tension a'ssy(DS)                   | ダイヤル糸調子組(DS)             | H×9   |      |
| 6    | RR 2 4 0 3 9 0 | Number label                             | 番号ラベル                    | H×1   |      |
| 7    | RR 2 4 0 3 1 0 | Thread guide plate upper(DSH-YN)         | 糸案内プレート・上(DSH-YN)        | H×1   |      |
| 8    | RR 2 4 0 3 2 0 | Thread guide plate lower(DSH-YN)         | 糸案内プレート・下(DSH-YN)        | H×1   |      |
| 9    | RR 2 4 0 2 3 0 | Tension base case a'ssy(DSH-YN)          | テンション台ケース Assy(DSH-YN)   | H×1   |      |
| 10   | KN 5 4 0 5 1 0 | Tension wheel nut                        | テンションホイールナット             | H×9   |      |
| 11   | HT 2 4 0 1 0 1 | Lower thread detection sensor disk(YN)   | 下糸検知センサーディスク(YN)         | H×9   |      |
| 12   | RR 2 4 0 3 3 0 | Switch board fixed base                  | スイッチ基板取付ベース(DS)          | H×2   |      |
| 13   | HT 2 4 0 1 8 0 | SM-nut                                   | SMナット                    | H×9   |      |
| 14   | EBY 0 2 5 8 0  | 8590・switch board with thread detection  | 8590・9本針糸検付スイッチ基板        | H×1   |      |
| 15   | RR 2 4 0 2 5 0 | Tension base cover(DSH-YN)               | テンション台カバー(DSH-YN)        | H×1   |      |
| 16   | RR 2 4 0 3 4 0 | Tension earth plate(DSH-YN)              | テンションアースプレート(DSH-YN)     | H×1   |      |
| 17   | EBY 0 1 6 2 5  | H1842 16 needle flat cable(ZN)           | H1842 16芯フラットケーブル(ZN)    | H×1   |      |
| 18   | RR 2 4 0 3 5 0 | Tension base bracket(DSH-YN)             | テンション台ベース(DSH-YN)        | H×1   |      |
| 19   | RR 2 4 0 0 1 0 | Sewing head cover A(DS)                  | 面カバー A(DS)               | H×1   |      |
| 20   | RR 2 4 0 0 2 0 | Sewing head cover B(DS)                  | 面カバー B(DS)               | H×1   |      |
| 21   | RR 2 4 0 0 3 0 | Sewing head cover C(DS)                  | 面カバー C(DS)               | H×1   |      |
| 22   | RR 2 4 0 0 6 0 | Tension base bracket(DS)                 | テンションベースブラケット(DS)        | H×1   |      |
| 23   | HT 2 4 0 4 3 0 | Sewing head cover fixing bracket(A)      | 面カバー取付ブラケット(A)           | H×1   |      |
| 24   | HB 2 4 0 2 4 1 | Sewing head cover fixing bracket(B)      | 面カバー取付ブラケット(B)           | H×1   |      |
| 25   | HT 2 4 0 4 4 0 | Sewing head cover fixing bracket(C)      | 面カバー取付ブラケット(C)           | H×1   |      |
| 26   | RR 2 4 0 2 1 2 | Tension box(DSH-YN)                      | テンション台ASSY(DSH-YN)       | H×1   |      |
| 51   |                | Truss screw M3×5                         | 十字穴付トラス小ネジ M3×5          |       |      |
| 52   |                | Flush screw M4×8                         | 十字穴付皿小ネジ M4×8            |       |      |
| 53   |                | Hex. nut SM11/64(With washers)           | 六角ナット SM11/64(平座金 バネ座金付) |       |      |
| 54   |                | Hex. socket bolt M2×3                    | 六角穴付ボルト M2×3             |       |      |
| 55   |                | Pan head tapping screw B tight M3×8      | 十字穴付ナベ頭タップ Bタイト M3×8     |       |      |
| 56   |                | Pan screw M3×4                           | 十字穴付ナベ小ネジ M3×4           |       |      |
| 57   |                | Pan screw M4×6                           | 十字穴付ナベ小ネジ M4×6           |       |      |
| 58   |                | Hex. socket bolt with washers M5×10      | 座金組込み六角穴付ボルト M5×10       |       |      |
| 59   |                | Truss screw M4×10                        | 十字穴付トラス小ネジ M4×10         |       |      |
| 60   |                | Hex. socket bolt M4×6(With plain washer) | 六角穴付ボルト M4×6(平座金付)       |       |      |
| 61   |                | Hex. socket flange bolt M6×20            | 六角穴付フランジボルト M6×20        |       |      |
| 62   |                | Hex. socket flange bolt M4×10            | 六角穴付フランジボルト M4×10        |       |      |
|      |                |                                          |                          |       |      |
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07A Color change A  
色換え A

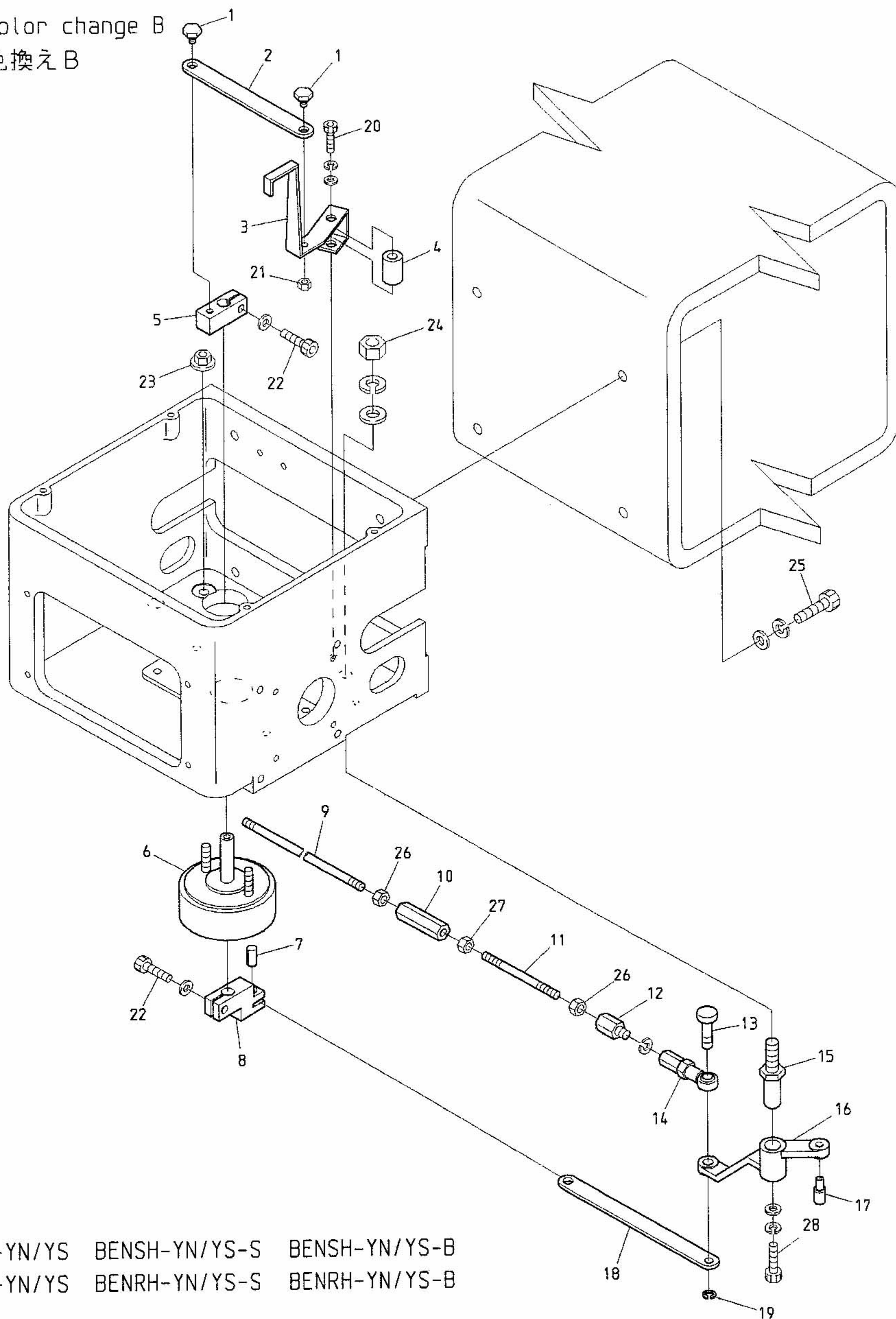


07A Color change A  
色換えA

| ITEM | LIST No.    | DESCRIPTION                                         | 部品名                                         | Q'TY | NOTE                      |
|------|-------------|-----------------------------------------------------|---------------------------------------------|------|---------------------------|
| 1    | KC330280    | Needle bar detection plate                          | 針棒検出プレート                                    | 1    |                           |
| 2    | KC330170    | Detection plate collar                              | 検出プレートカラー                                   | 1    |                           |
| 3    | EBY01120    | 3760 needle positioner                              | 3760 ニードルポジショナー                             | 1    |                           |
| 4    | HB330221    | Set collar                                          | セットカラー                                      | 1    |                           |
| 5    | HB330211    | Needle board spacer                                 | ニードル基板スペーサー                                 | 3    |                           |
| 6    | HB330200    | Bearing hold(2)                                     | ベアリング押え(2)                                  | 1    |                           |
| 7    | A9010001    | Bearing(6000ZZ)                                     | ベアリング(6000ZZ)                               | 3    |                           |
| 8    | HB330130    | Miter bevel gear                                    | マイターベベルギヤー                                  | 2    |                           |
| 9    | HB330020    | Turning drive base                                  | 旋回駆動ベース                                     | 1    |                           |
| 10   | HB330190    | Bearing hold(1)                                     | ベアリング押え(1)                                  | 1    |                           |
| 11   | HB330170    | Geared motor shaft(For 6RH-180)                     | ギヤードモーターシャフト(6RH-180用)                      | 1    |                           |
| 12   | HB330111    | Needle turning shaft                                | ニードルターニングシャフト                               | 1    |                           |
| 13   | RP330010    | Turning control box upper cover                     | 旋回コントロールボックス上面カバー                           | 1    |                           |
| 14   | HB330010    | Turning control box                                 | 旋回コントロールボックス                                | 1    |                           |
|      | RR330000    | Turning control box(DS)                             | 旋回コントロールボックス(DS)                            | 1    | DYHE                      |
| 15   | HB330150    | Turning control box front cover                     | 旋回コントロールボックス正面カバー                           | 1    |                           |
|      | RR330010    | Turning control box front cover(DS)                 | 旋回コントロールボックス正面カバー(DS)                       | 1    | DYHE                      |
| 16   | HB330120    | Rotary plate position decision collar               | 回転板位置決めカラー                                  | 1    |                           |
| 17   | HT330001    | Control turning plate                               | コントロールターニングプレート                             | 1    |                           |
| 18   | KC330310300 | Rotary plate connecting rod(L=250)                  | 回転板連結ロッド(L=250)                             | 1    |                           |
| 19   | A9012001    | Uniball joint(RD4020R)                              | ユニボールジョイント(RD4020R)                         | 1    |                           |
| 20   | HP331660    | Rotary plate joint pin                              | 回転板ジョイントピン                                  | 1    |                           |
| 21   | HB330040    | Turning rotary plate lever                          | 旋回回転板レバー                                    | 1    |                           |
| 22   | HH330670    | Stopper eccentric                                   | ストッパーエキセン                                   | 1    |                           |
| 23   | A9065087    | Color change motor<br>RM-F6A5PC1R351 6RH-180AN(ETL) | カラーチェンジモータ<br>RM-F6A5PC1R351 6RH-180AN(ETL) | 1    |                           |
| 24   |             | Truss screw M3×20                                   | 十字穴付トラス小ネジ M3×20                            |      |                           |
| 25   |             | Hex. socket set screw M5×10                         | 六角穴付止メネジ M5×10                              |      |                           |
| 26   |             | Hex. socket set screw M4×5                          | 六角穴付止メネジ M4×5                               |      |                           |
| 27   |             | Hex. socket bolt M3×12(With plain washer)           | 六角穴付ボルト M3×12(平座金付)                         |      |                           |
| 28   |             | Hex. socket bolt M5×18(With washers)                | 六角穴付ボルト M5×18(平座金 バネ座金付)                    |      |                           |
| 29   |             | Hex. socket set screw M5×8(with adhesion)           | 六角穴付止メネジ M5×8(接着剤付)                         |      |                           |
| 30   |             | Hex. socket bolt M4×8                               | 六角穴付ボルト M4×8                                |      |                           |
| 31   |             | Truss screw M4×8                                    | 十字穴付トラス小ネジ M4×8                             |      |                           |
| 32   |             | Spring pin φ3×12                                    | スプリングピン φ3×12                               | 2    | YS only<br>YS専用           |
| 33   |             | Spring pin φ3×12                                    | スプリングピン φ3×12                               | 2    | YN only<br>YN専用           |
| 34   |             | Hex. nut M5                                         | 六角ナット M5                                    |      |                           |
| 35   |             | Hex. nut M4                                         | 六角ナット M4                                    |      |                           |
| 36   |             | Hex. socket bolt M5×15                              | 六角穴付ボルト M5×15                               |      |                           |
| 37   |             | Hex. socket bolt M4×25                              | 六角穴付ボルト M4×25                               |      |                           |
| 38   |             | Pan screw M4×60                                     | 十字穴付ナベ小ネジ M4×60                             |      |                           |
| 39   | HM330050    | Thread change poor prevention spring                | 糸換不良防止バネ                                    | 1    | Less than 6 heads<br>6頭以下 |
|      |             |                                                     |                                             |      |                           |
|      |             |                                                     |                                             |      |                           |
|      |             |                                                     |                                             |      |                           |



07B Color change B  
色換え B



BENSH-YN/YS    BENSH-YN/YS-S    BENSH-YN/YS-B  
BENRH-YN/YS    BENRH-YN/YS-S    BENRH-YN/YS-B

BENSH-YN/YS-BS    BENSH-YN-KS    BEDSH-YN/YS-BS    BENYH-YN    BENYH-YN-C    BEDYH-YN  
BENRH-YN/YS-BS    BENRH-YN-KS    BENBH-YN

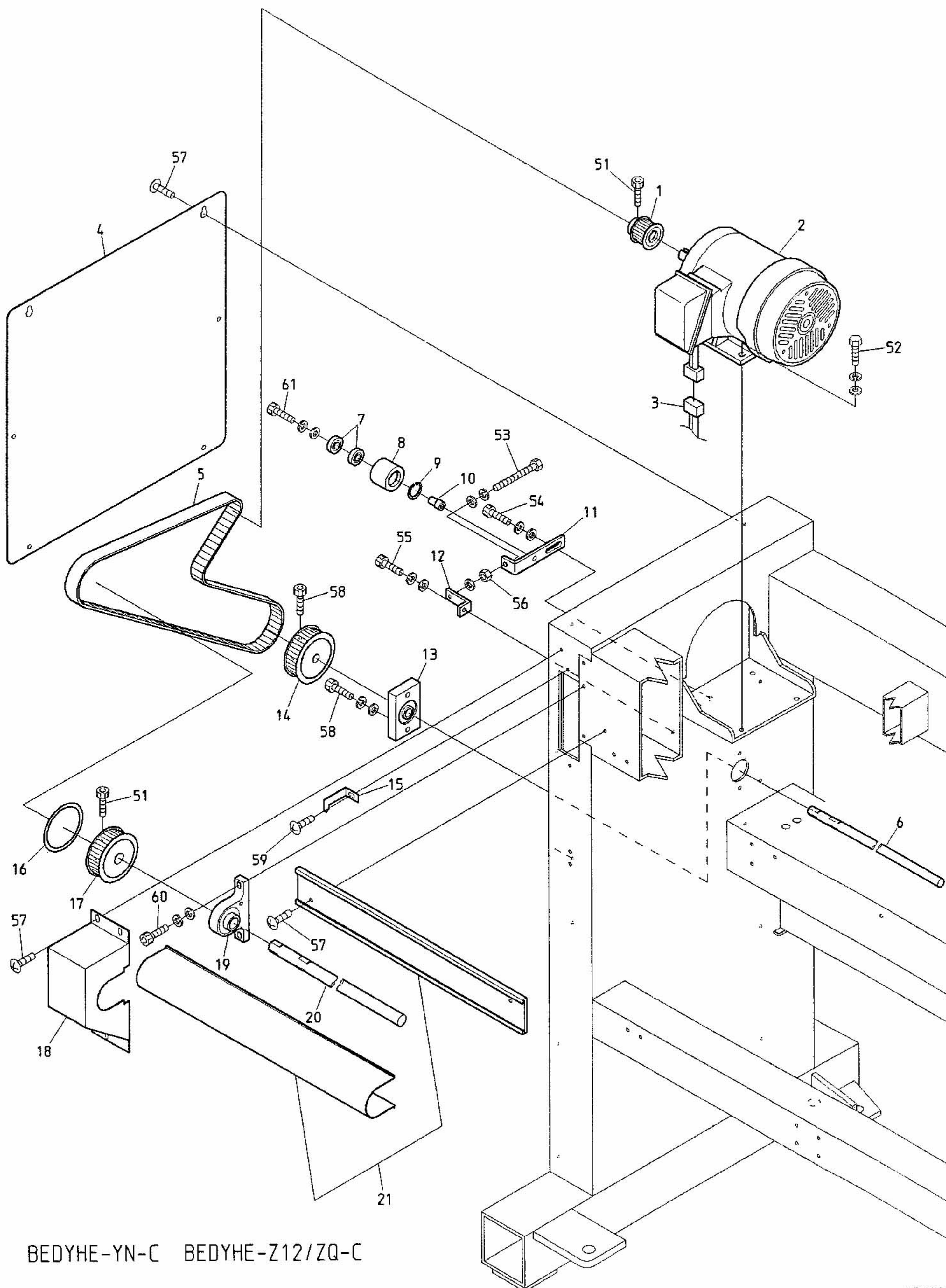
BENSHE-YN/YS    BENYHE-YN    BENYHE-YN-B    BENYHE-YN-C    BEDYHE-YN-C  
BENRHE-YN/YS    BENBHE-YN    BENBHE-YN-B    BENBHE-YN-C

07B Color change B  
色換えB

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駆動 (2 T / 4 T)



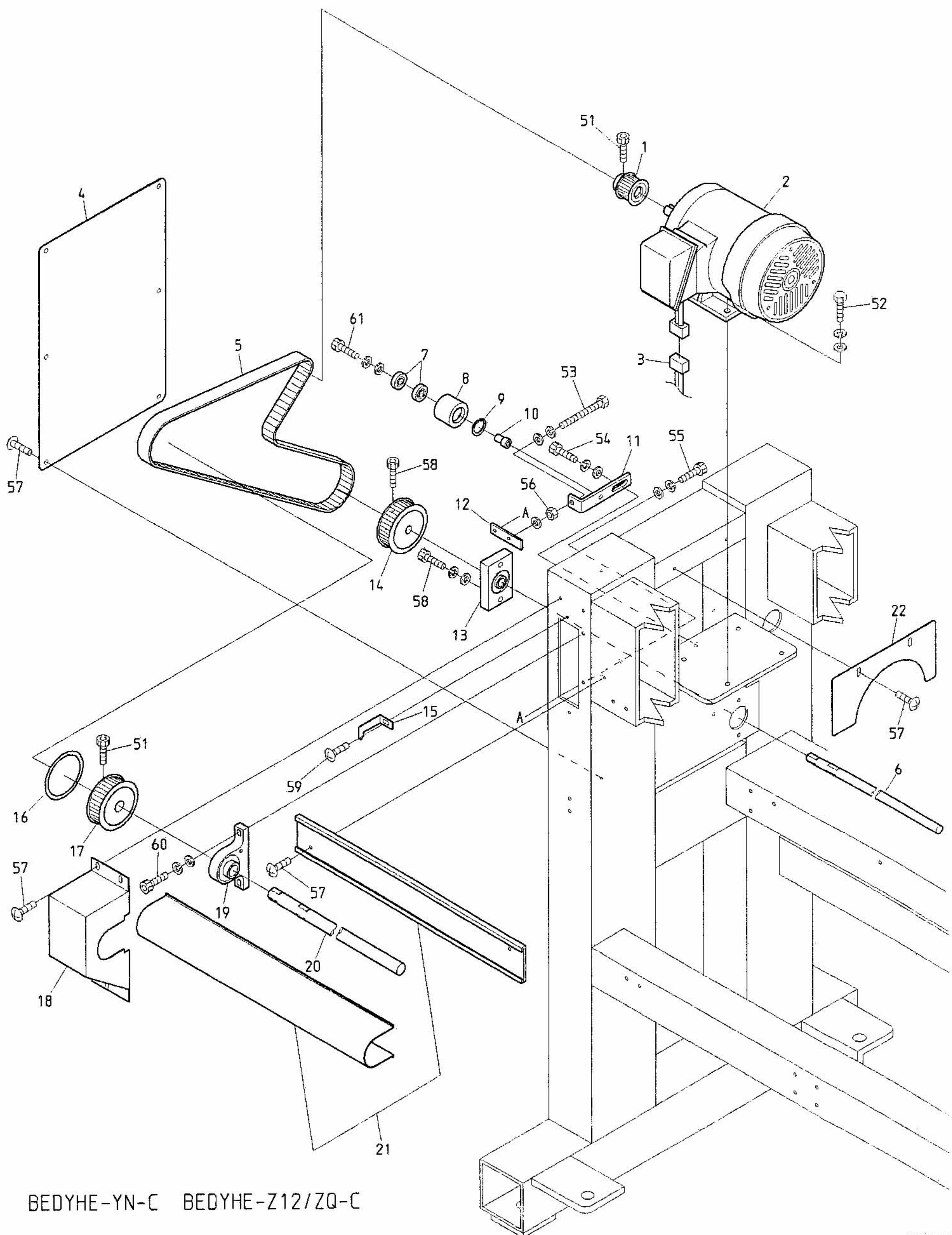
BEDYHE-YN-C BEDYHE-Z12/ZQ-C

08-1 Drive(2T/4T)  
駆動 (2T/4T)

| ITEM | LIST No. | DESCRIPTION                                | 部品名                                     | Q'TY | NOTE                                  |
|------|----------|--------------------------------------------|-----------------------------------------|------|---------------------------------------|
| 1    | SC481370 | Motor pulley (S5M-26, 0.2kw)               | モータープーリー (S5M-26, 0.2kw)                | 1    | 2T                                    |
|      | RP310170 | Motor pulley (S5M-26)                      | モータープーリー (S5M-26)                       | 1    | 4T                                    |
| 2    | RA310380 | Main motor 1K-FCKL8-4P-0.2kw (ETL)         | メインモーター 1K-FCKL8-4P-0.2kw (ETL)         | 1    | 2T                                    |
|      | RP310201 | Main motor<br>1K-FBKK8-4P-0.55kw VF3 (ETL) | メインモーター<br>1K-FBKK8-4P-0.55kw VF3 (ETL) | 1    | 4T                                    |
| 3    | A9053081 | Motor cable 1.25×4×5m                      | モーターケーブル (試験機用) 1.25×4×5m               |      |                                       |
| 4    | SJ160030 | Frame upper cover                          | 脚フレーム上カバー                               | 2    |                                       |
| 5    | A9020180 | Timing belt B250S5M1420                    | タイミングベルト B250S5M1420                    | 1    |                                       |
| 6    | SC310130 | Lower shaft φ15 (For 2T)                   | 下軸 φ15 (2頭用)                            | 1    | 2T                                    |
|      | SC310110 | Lower shaft φ15 (For 4T)                   | 下軸 φ15 (4頭用)                            | 1    | 4T                                    |
| 7    | A9010003 | Bearing 6001ZZ                             | ベアリング 6001ZZ                            | 2    |                                       |
| 8    | RQ310000 | Idler                                      | アイドラー                                   | 1    |                                       |
| 9    | A9012063 | C-ring (For hole φ28)                      | C型止め輪 (穴用 φ28)                          | 1    |                                       |
| 10   | SC310021 | Idler shaft                                | アイドラー軸                                  | 1    |                                       |
| 11   | SC310030 | Idler bracket                              | アイドラーブラケット                              | 1    |                                       |
| 12   | SC310150 | Tension bracket                            | テンションブラケット                              | 1    |                                       |
| 13   | SC310061 | Lower shaft housing                        | 下軸ハウジング                                 | 1    |                                       |
| 14   | SC310010 | φ15 lower shaft timing pulley (S5M-52)     | φ15 下軸タイミングプーリー (S5M-52)                | 1    |                                       |
| 15   | SC310050 | Angle instructions plate                   | 角度指示針                                   | 1    |                                       |
| 16   | SC310100 | Rotary angle label                         | 回転角ラベル                                  | 1    |                                       |
| 17   | SC310000 | φ20 upper shaft timing pulley (S5M-52)     | φ20 上軸タイミングプーリー (S5M-52)                | 1    |                                       |
| 18   | SJ250041 | Pulley box (DYHE)                          | プーリーボックス (DYHE)                         | 1    |                                       |
| 19   | SC310070 | Upper shaft housing                        | 上軸ハウジング                                 | 1    |                                       |
| 20   | SC310140 | Upper shaft φ20 (For 2T)                   | 上軸 φ20 (2頭用)                            | 1    | 2T                                    |
|      | SC310120 | Upper shaft φ20 (For 4T)                   | 上軸 φ20 (4頭用)                            | 1    | 4T                                    |
| 21   | SJ130021 | Shaft mogul & cover L (YN, P=520) DYHE     | シャフトモール&カバー L (YN, P=520) DYHE          | 1    | DYHE Left side<br>DYHE 左側             |
|      | SJ130030 | Shaft mogul & cover C (YN, P=520) DYHE     | シャフトモール&カバー C (YN, P=520) DYHE          | 1    | DYHE Between heads 2T<br>DYHE ヘッド間 2T |
|      |          |                                            |                                         | 3    | DYHE Between heads 4T<br>DYHE ヘッド間 4T |
|      | SJ130040 | Shaft mogul & cover R (YN, P=520) DYHE     | シャフトモール&カバー R (YN, P=520) DYHE          | 1    | DYHE Right side<br>DYHE 右側            |
|      | SJ130070 | Shaft mogul & cover (P=520) DYHE-C         | シャフトモール&カバー (P=520) DYHE-C              | 1    | DYHE-C (P=520)                        |
|      | SJ130080 | Shaft mogul & cover (P=380) DYHE-C         | シャフトモール&カバー (P=380) DYHE-C              | 1    | DYHE-C (P=380)                        |
| 51   |          | Hex. socket bolt M6×15 (Black)             | 六角穴付ボルト M6×15 (黒)                       |      |                                       |
| 52   |          | Hex. bolt M8×20                            | 六角ボルト M8×20                             |      |                                       |
| 53   |          | Hex. bolt M6×60 (Full screw)               | 六角ボルト M6×60 (全ネジ)                       |      |                                       |
| 54   |          | Hex. socket bolt M8×20 (Black)             | 六角穴付ボルト M8×20 (黒)                       |      |                                       |
| 55   |          | Hex. socket bolt M6×15 (Uni chrome)        | 六角穴付ボルト M6×15 (ユニクロ)                    |      |                                       |
| 56   |          | Hex. nut M6                                | 六角ナット M6                                |      |                                       |
| 57   |          | Truss screw M5×10                          | 十字穴付トラス小ネジ M5×10                        |      |                                       |
| 58   |          | Hex. socket bolt M5×8                      | 六角穴付ボルト M5×8                            |      |                                       |
| 59   |          | Truss screw M5×6                           | 十字穴付トラス小ネジ M5×6                         |      |                                       |
| 60   |          | Hex. socket bolt M6×18 (Black)             | 六角穴付ボルト M6×18 (黒)                       |      |                                       |
| 61   |          | Hex. socket bolt M8×35 (Black)             | 六角穴付ボルト M8×35 (黒)                       |      |                                       |
|      |          |                                            |                                         |      |                                       |
|      |          |                                            |                                         |      |                                       |
|      |          |                                            |                                         |      |                                       |



08-2 Drive(6T)  
 駆動 (6 T)



BEDYHE-YN-C BEDYHE-Z12/ZQ-C

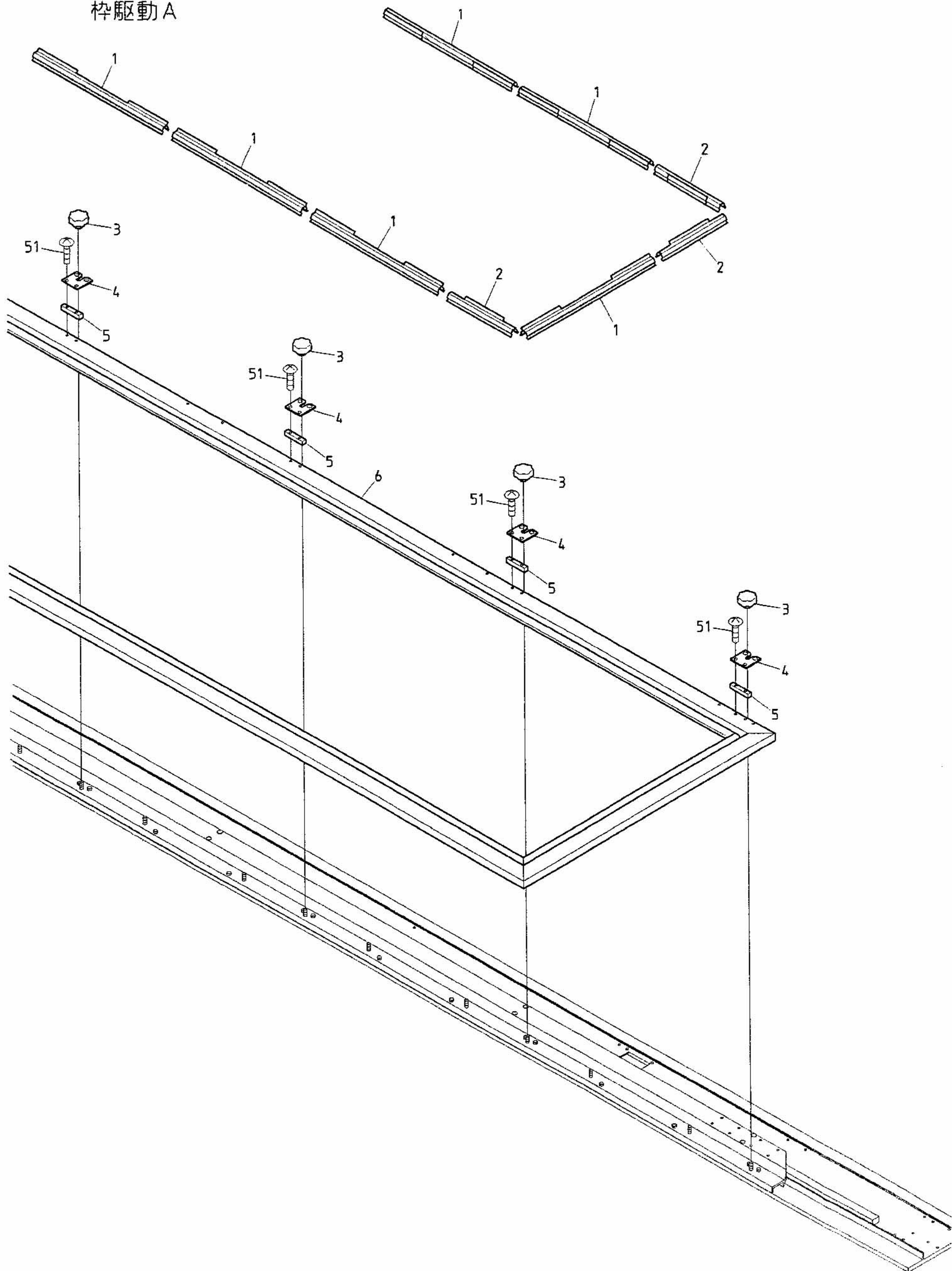
08-2 Drive(6T)  
駆動 (6T)

| ITEM | LIST No. | DESCRIPTION                               | 部品名                                    | Q'TY | NOTE                            |
|------|----------|-------------------------------------------|----------------------------------------|------|---------------------------------|
| 1    | RP310170 | Motor pulley(S5M-26)                      | モータープーリー(S5M-26)                       | 1    |                                 |
| 2    | RP310201 | Main motor<br>IK-FBKK8-4P-0.55kw VF3(ETL) | メインモーター<br>IK-FBKK8-4P-0.55kw VF3(ETL) | 1    |                                 |
| 3    | A9053081 | Motor cable 1.25×4×5m                     | モーターケーブル(試験機用) 1.25×4×5m               |      |                                 |
| 4    | SC160040 | Stand cover                               | スタンドカバー                                | 2    |                                 |
| 5    | A9020180 | Timing belt B250S5M1420                   | タイミングベルトB250S5M1420                    | 1    |                                 |
| 6    | SC310080 | Lower shaft φ15                           | 下軸φ15                                  | 1    |                                 |
| 7    | A9010003 | Bearing 6001ZZ                            | ベアリング 6001ZZ                           | 2    |                                 |
| 8    | RQ310000 | Idler                                     | アイドラー                                  | 1    |                                 |
| 9    | A9012063 | C-ring(For hole φ28)                      | C型止め輪(穴用φ28)                           | 1    |                                 |
| 10   | SC310021 | Idler shaft                               | アイドラー軸                                 | 1    |                                 |
| 11   | SC310030 | Idler bracket                             | アイドラーブラケット                             | 1    |                                 |
| 12   | SC310040 | Tension plate                             | テンションプレート                              | 1    |                                 |
| 13   | SC310061 | Lower shaft housing                       | 下軸ハウジング                                | 1    |                                 |
| 14   | SC310010 | φ15 lower shaft timing pulley(S5M-52)     | φ15下軸タイミングプーリー(S5M-52)                 | 1    |                                 |
| 15   | SC310050 | Angle instructions plate                  | 角度指示針                                  | 1    |                                 |
| 16   | SC310100 | Rotary angle label                        | 回転角ラベル                                 | 1    |                                 |
| 17   | SC310000 | φ20 upper shaft timing pulley(S5M-52)     | φ20上軸タイミングプーリー(S5M-52)                 | 1    |                                 |
| 18   | SJ250041 | Pulley box(DYHE)                          | プーリーボックス(DYHE)                         | 1    |                                 |
| 19   | SC310070 | Upper shaft housing                       | 上軸ハウジング                                | 1    |                                 |
| 20   | SC310090 | Upper shaft φ20                           | 上軸φ20                                  | 1    |                                 |
| 21   | SJ130021 | Shaft mogol & cover L(YN,P=520)           | シャフトモール&カバー L(YN,P=520)                | 1    | DYHE Left side<br>DYHE 左側       |
|      | SJ130030 | Shaft mogol & cover C(YN,P=520)           | シャフトモール&カバー C(YN,P=520)                | 5    | DYHE Between heads<br>DYHE ヘッド間 |
|      | SJ130040 | Shaft mogol & cover R(YN,P=520)           | シャフトモール&カバー R(YN,P=520)                | 1    | DYHE Right side<br>DYHE 右側      |
|      | SJ130070 | Shaft mogol & cover(P=520) DYHE-C         | シャフトモール&カバー(P=520) DYHE-C              | 1    | DYHE-C(P=520)                   |
|      | SJ130080 | Shaft mogol & cover(P=380) DYHE-C         | シャフトモール&カバー(P=380) DYHE-C              | 1    | DYHE-C(P=380)                   |
| 22   | SC250010 | Drive motor cover                         | 駆動モーターカバー                              | 1    | DYHE                            |
|      | SJ250080 | Drive motor cover(DYHE)                   | 駆動モーターカバー(DYHE)                        | 1    | DYHE                            |
| 51   |          | Hex. socket bolt M6×15(Black)             | 六角穴付ボルト M6×15(黒)                       |      |                                 |
| 52   |          | Hex. bolt M8×20                           | 六角ボルト M8×20                            |      |                                 |
| 53   |          | Hex. bolt M6×60(Full screw)               | 六角ボルト M6×60(全ネジ)                       |      |                                 |
| 54   |          | Hex. socket bolt M8×20(Black)             | 六角穴付ボルト M8×20(黒)                       |      |                                 |
| 55   |          | Hex. socket bolt M6×15(Uni chrome)        | 六角穴付ボルト M6×15(ユニクロ)                    |      |                                 |
| 56   |          | Hex. nut M6                               | 六角ナット M6                               |      |                                 |
| 57   |          | Truss screw M5×10                         | 十字穴付トラス小ネジ M5×10                       |      |                                 |
| 58   |          | Hex. socket bolt M5×8                     | 六角穴付ボルト M5×8                           |      |                                 |
| 59   |          | Truss screw M5×6                          | 十字穴付トラス小ネジ M5×6                        |      |                                 |
| 60   |          | Hex. socket bolt M6×18(Black)             | 六角穴付ボルト M6×18(黒)                       |      |                                 |
| 61   |          | Hex. socket bolt M8×35(Black)             | 六角穴付ボルト M8×35(黒)                       |      |                                 |
|      |          |                                           |                                        |      |                                 |
|      |          |                                           |                                        |      |                                 |
|      |          |                                           |                                        |      |                                 |
|      |          |                                           |                                        |      |                                 |
|      |          |                                           |                                        |      |                                 |
|      |          |                                           |                                        |      |                                 |
|      |          |                                           |                                        |      |                                 |
|      |          |                                           |                                        |      |                                 |
|      |          |                                           |                                        |      |                                 |



# 10A Pantograph drive A

杵駆動A



BEDYHE-YN-C BEDYHE-Z12/ZQ-C

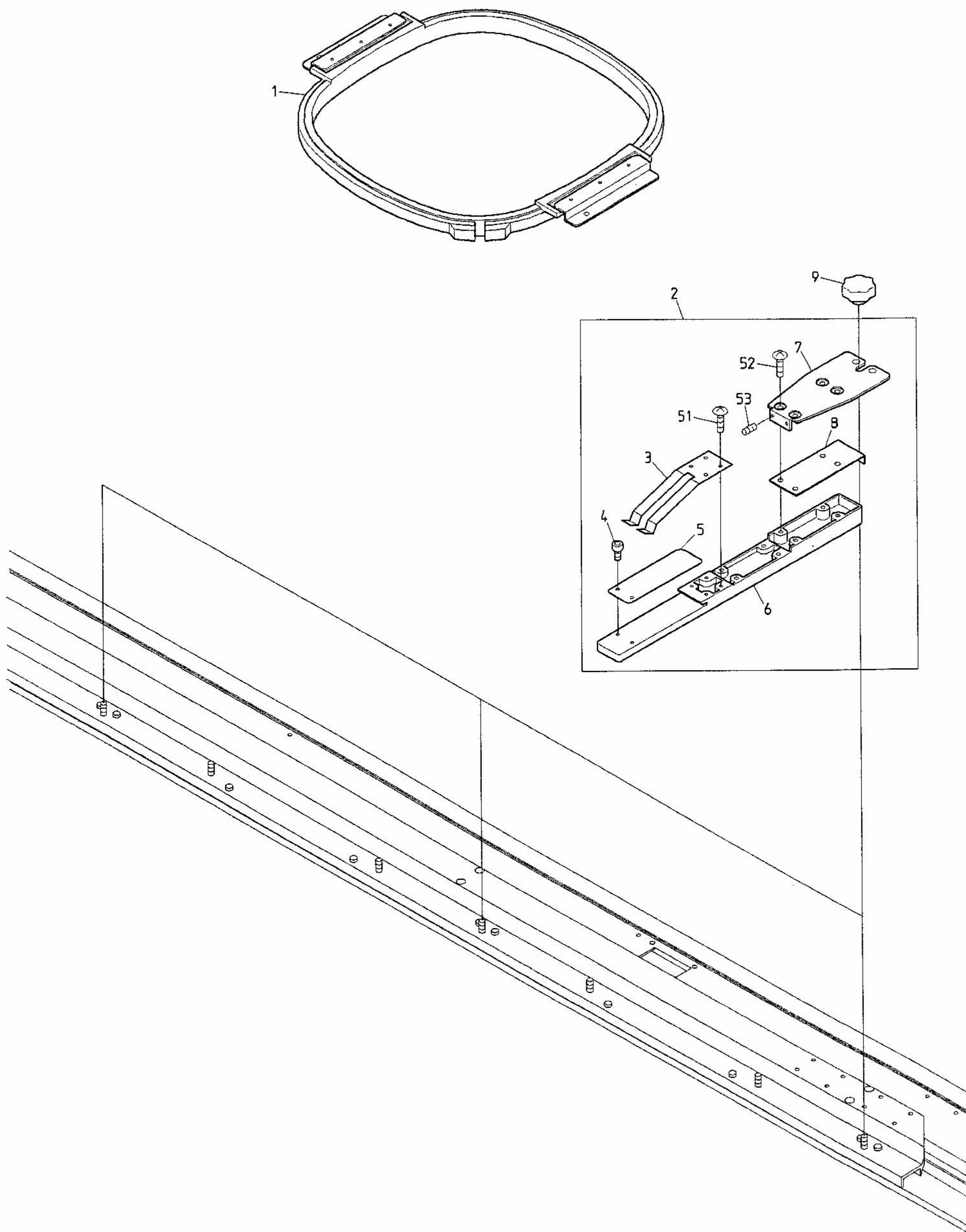
### 杵驅動 A

(H=頭数) (※は機種によって異なる)

K4



10B Pantograph drive B  
杵駆動B



BEDYHE-YN-C BEDYHE-Z12/ZQ-C

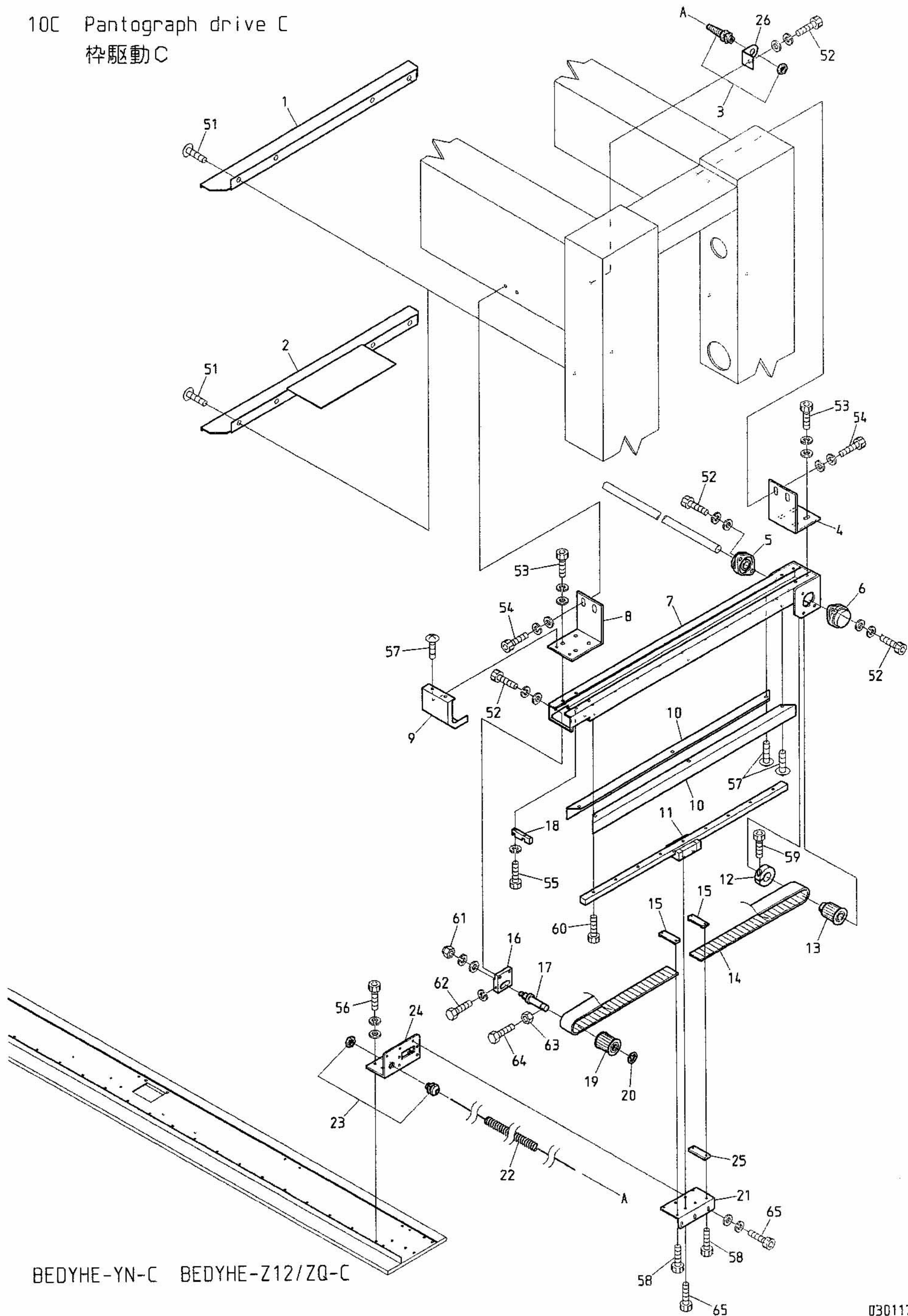
杵驅動B

(H=頭数)

K4



10C Pantograph drive C  
 杵駆動C



BEDYHE-YN-C BEDYHE-Z12/ZQ-C

10C Pantograph drive C  
 枠駆動C

| ITEM | LIST No.        | DESCRIPTION                                | 部品名                   | Q'TY | NOTE   |
|------|-----------------|--------------------------------------------|-----------------------|------|--------|
| 1    | S J 2 5 0 0 6 0 | V-spline cover(DYHE)                       | Vスプラインカバー(DYHE)       | 1    | 2T, 4T |
| 2    | S J 2 5 0 0 9 0 | V-spline cover(DYHE) for 6・8 heads         | Vスプラインカバー(DYHE) 6・8頭用 | 1    | 6T     |
| 3    | A 9 0 6 8 0 3 0 | Bushing NW-7RP                             | ブッシング NW-7RP          | 1    |        |
| 4    | S C 4 8 0 3 3 0 | H-rail base fixed stay(Rear)               | Hレール土台取付ステー(後)        | 1    |        |
| 5    | A 9 0 1 1 2 4 3 | Bearing unit(UFL002C)                      | 軸受ユニット(UFL002C)       | 1    |        |
| 6    | A 9 0 1 1 2 4 4 | Bearing unit(UFL002D)                      | 軸受ユニット(UFL002D)       | 1    |        |
| 7    | S J 4 8 0 0 1 0 | H-rail base(ST=450) DYHE                   | Hレール土台(ST=450) DYHE   | 1    |        |
| 8    | S C 4 8 0 2 1 0 | H-rail base fixed stay(Front)              | Hレール土台取付ステー(前)        | 1    |        |
| 9    | S C 2 5 0 0 4 0 | H-rail front cover                         | Hレール前カバー              | 1    |        |
| 10   | S C 2 5 0 0 7 0 | H-rail side cover                          | Hレールサイドカバー            | 2    |        |
| 11   | S C 4 8 0 0 4 0 | LM guide(540L)                             | LMガイド(540L)           | 1    |        |
| 12   | H H 4 8 1 9 8 0 | φ19 clamp                                  | φ19割りクランプ             | 1    |        |
| 13   | S J 4 8 0 0 0 0 | Pantograph drive pulley(16 tooth)          | 枠駆動プーリー(16歯)          | 1    |        |
| 14   | S C 4 8 0 0 2 0 | Timing belt MA5                            | タイミングベルト MA5          | 1    |        |
| 15   | H P 4 8 2 9 4 0 | Timing belt set rack(5M)                   | タイミングベルト押えラック(5M)     | 2    |        |
| 16   | S J 4 8 0 0 8 0 | Pulley bracket                             | プーリーブラケット             | 1    |        |
| 17   | H H 4 8 1 9 9 1 | Timing pulley shaft                        | 従動プーリーシャフト            | 1    |        |
| 18   | R P 4 8 0 2 0 0 | Pulley stopper                             | プーリーストッパー             | 1    |        |
| 19   | S C 4 8 0 0 1 0 | Pantograph drive pulley(Front)             | 枠駆動プーリー(前)            | 1    |        |
| 20   | A 9 0 1 2 0 5 2 | E-ring(φ10)                                | E型止め輪(φ10)            | 1    |        |
| 21   | S C 4 8 0 1 2 0 | Guide base(R)                              | ガイドベース(R)             | 1    |        |
| 22   | A 9 0 6 8 0 4 9 | Curl cord(Compact machine)                 | カールコード(コンパクト機)        | 1    |        |
| 23   | A 9 0 6 8 0 5 0 | Super seal(NW-7R)                          | スーパーシール(NW-7R)        | 1    |        |
| 24   | S C 4 8 0 0 8 0 | Guide stay(R)                              | ガイドステー(R)             | 1    |        |
| 25   | S J 4 8 0 0 2 0 | Rack spacer                                | ラックスペーサ               | 1    |        |
| 26   | S C 4 8 0 2 9 0 | Erectrical bracket                         | 電線用ブラケット              | 1    |        |
| 51   |                 | Truss screw M6×10                          | 十字穴付トラス小ネジ M6×10      |      |        |
| 52   |                 | Hex. socket bolt M6×15(Uni chrome)         | 六角穴付ボルト M6×15(ユニクロ)   |      |        |
| 53   |                 | Hex. socket bolt M5×15(Uni chrome)         | 六角穴付ボルト M5×15(ユニクロ)   |      |        |
| 54   |                 | Hex. socket bolt M6×20(Uni chrome)         | 六角穴付ボルト M6×20(ユニクロ)   |      |        |
| 55   |                 | Hex. socket bolt M4×10(With spring washer) | 六角穴付ボルト M4×10(バネ座金付)  |      |        |
| 56   |                 | Hex. socket bolt M4×12(Uni chrome)         | 六角穴付ボルト M4×12(ユニクロ)   |      |        |
| 57   |                 | Truss screw M4×6(Uni chrome)               | 十字穴付トラス小ネジ M4×6(ユニクロ) |      |        |
| 58   |                 | Hex. socket bolt M3×15(Black)              | 六角穴付ボルト M3×15(黒)      |      |        |
| 59   |                 | Hex. socket bolt M5×20(Black)              | 六角穴付ボルト M5×20(黒)      |      |        |
| 60   |                 | Hex. socket bolt M4×10(Black)              | 六角穴付ボルト M4×10(黒)      |      |        |
| 61   |                 | Hex. cap nut M8(Uni chrome)                | 六角袋ナット M8(ユニクロ)       |      |        |
| 62   |                 | Hex. bolt M4×30(Uni chrome)                | 六角ボルト M4×30(ユニクロ)     |      |        |
| 63   |                 | Hex. nut M4                                | 六角ナット M4              |      |        |
| 64   |                 | Hex. bolt M4×40(Uni chrome)                | 六角ボルト M4×40(ユニクロ)     |      |        |
| 65   |                 | Hex. socket bolt M4×10(Uni chrome)         | 六角穴付ボルト M4×10(ユニクロ)   |      |        |
|      |                 |                                            |                       |      |        |
|      |                 |                                            |                       |      |        |
|      |                 |                                            |                       |      |        |
|      |                 |                                            |                       |      |        |



杵駆動D

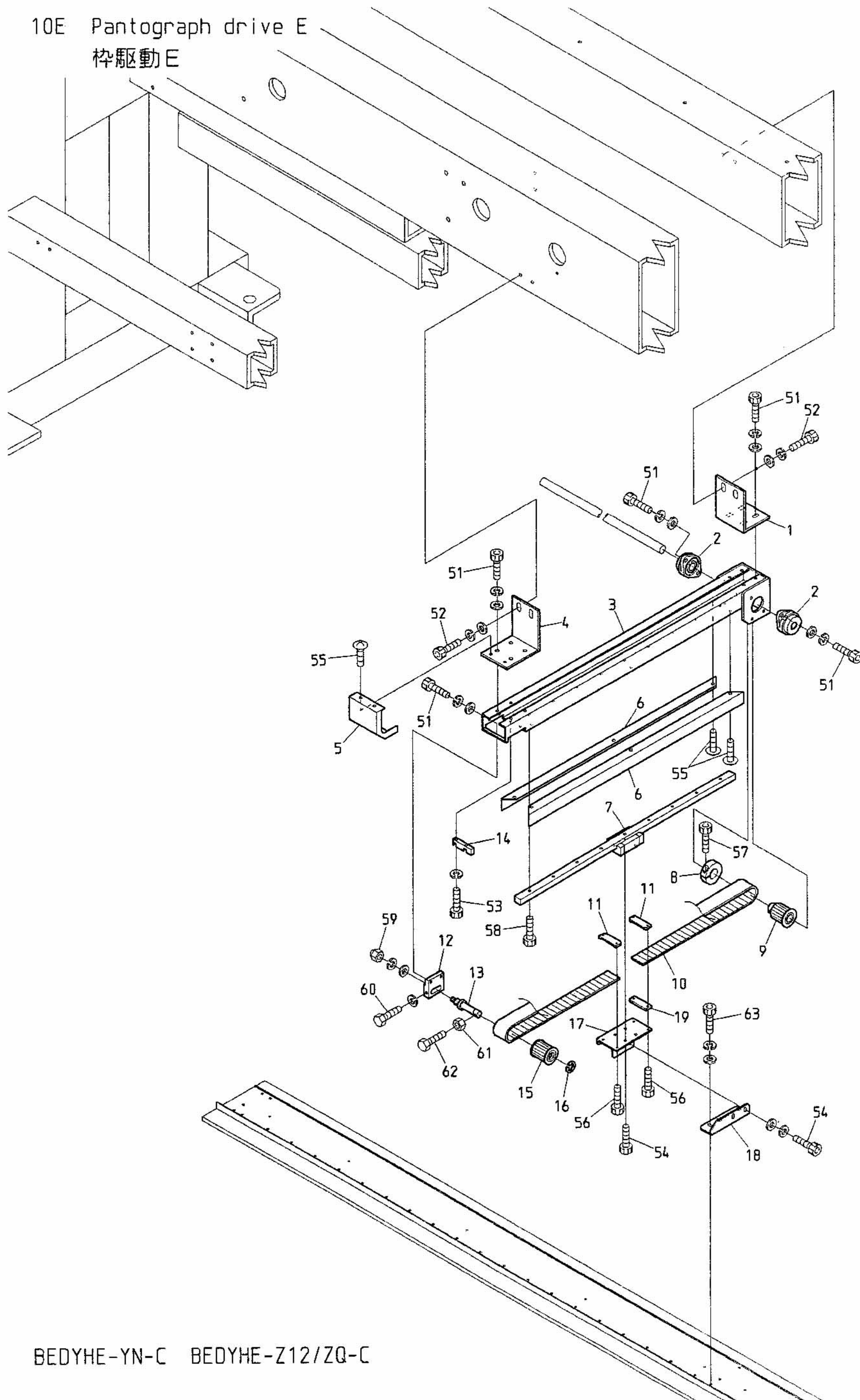


## 杵駆動 D

K4.



10E Pantograph drive E  
 杵駆動E



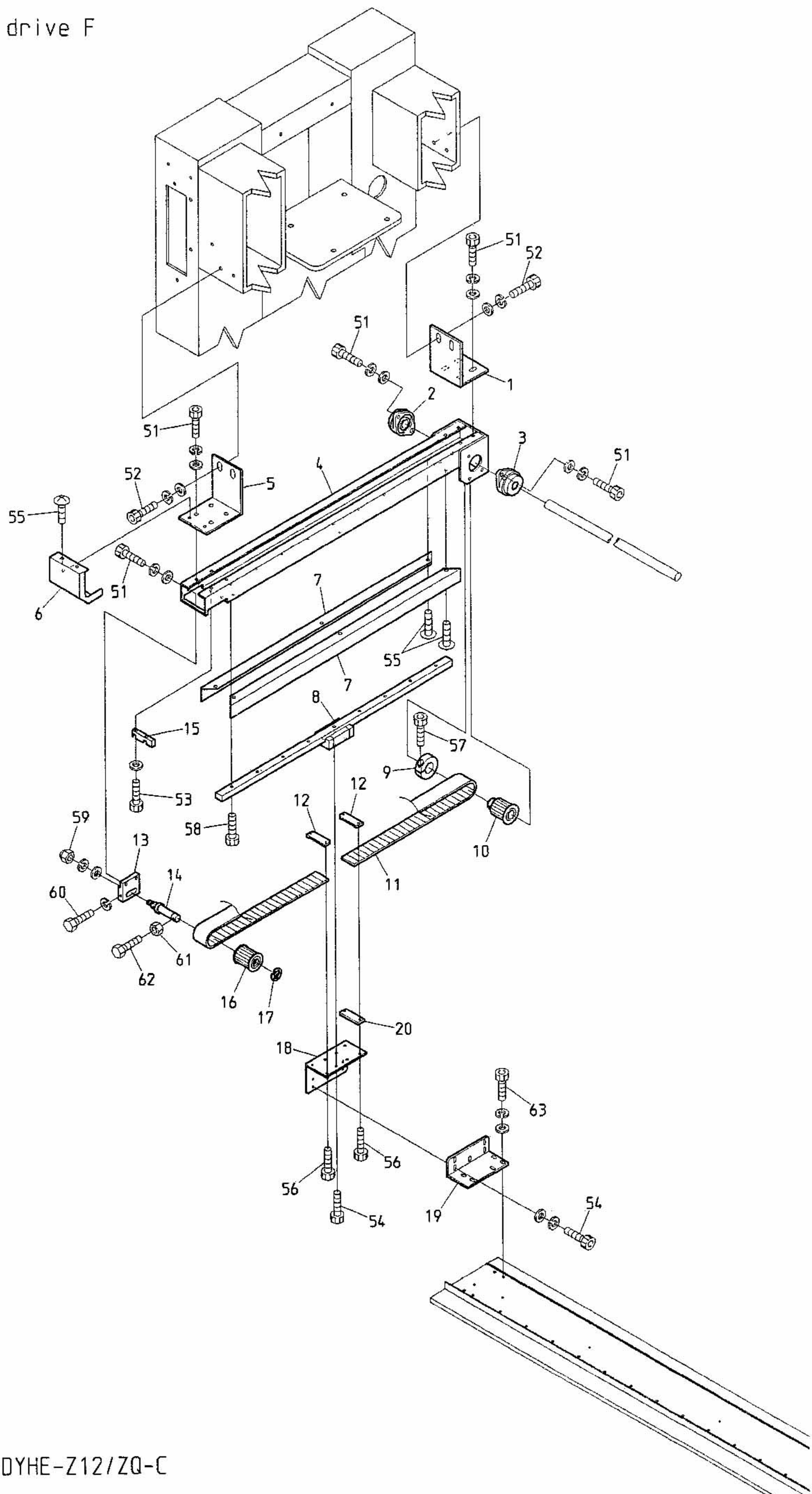
BEDYHE-YN-C BEDYHE-Z12/ZQ-C

## 杵駆動E

[illegible]



10F Pantograph drive F  
 杵駆動F



BEDYHE-YN-C BEDYHE-Z12/ZQ-C

10F

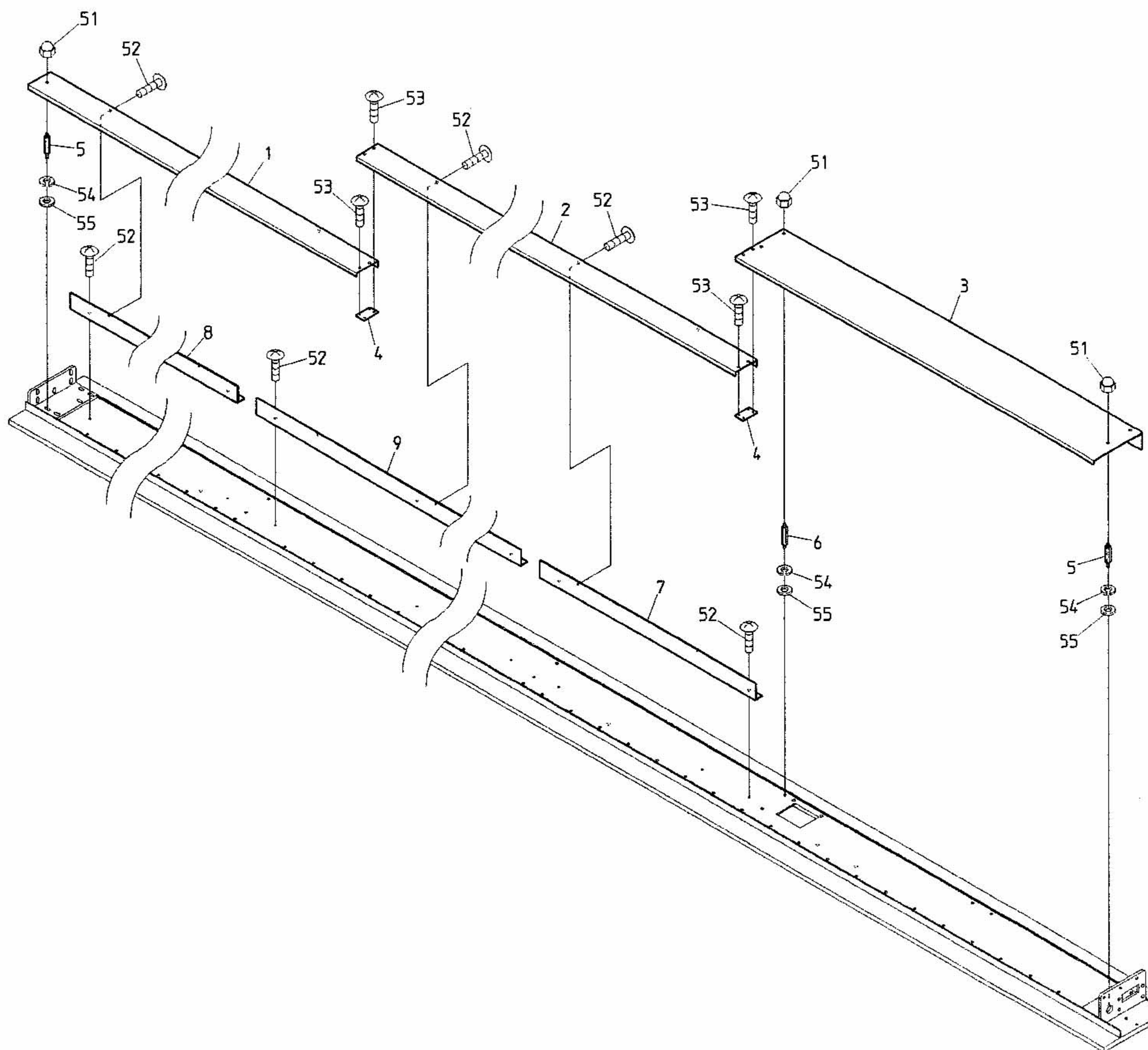
## Pantograph drive F

棒驅動 F

[illegible]



10G Pantograph drive G  
 枠駆動G



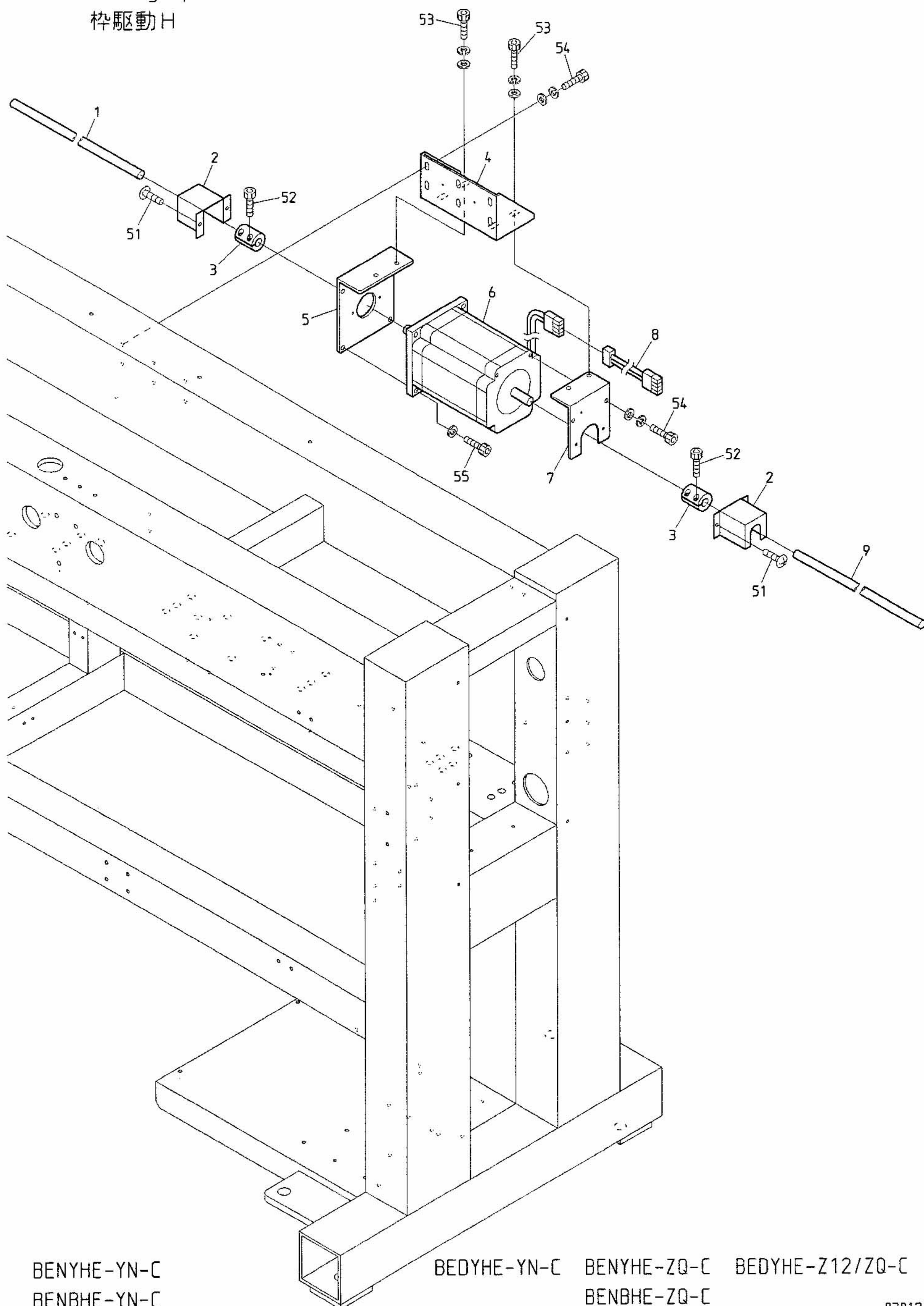
BEDYHE-YN-C BEDYHE-Z12/ZQ-C

## 杵駆動 G

[illegible]



10H Pantograph drive H  
 杵駆動H



BENYHE-YN-C  
 BENBHE-YN-C

BEDYHE-YN-C

BENYHE-ZQ-C  
 BENBHE-ZQ-C

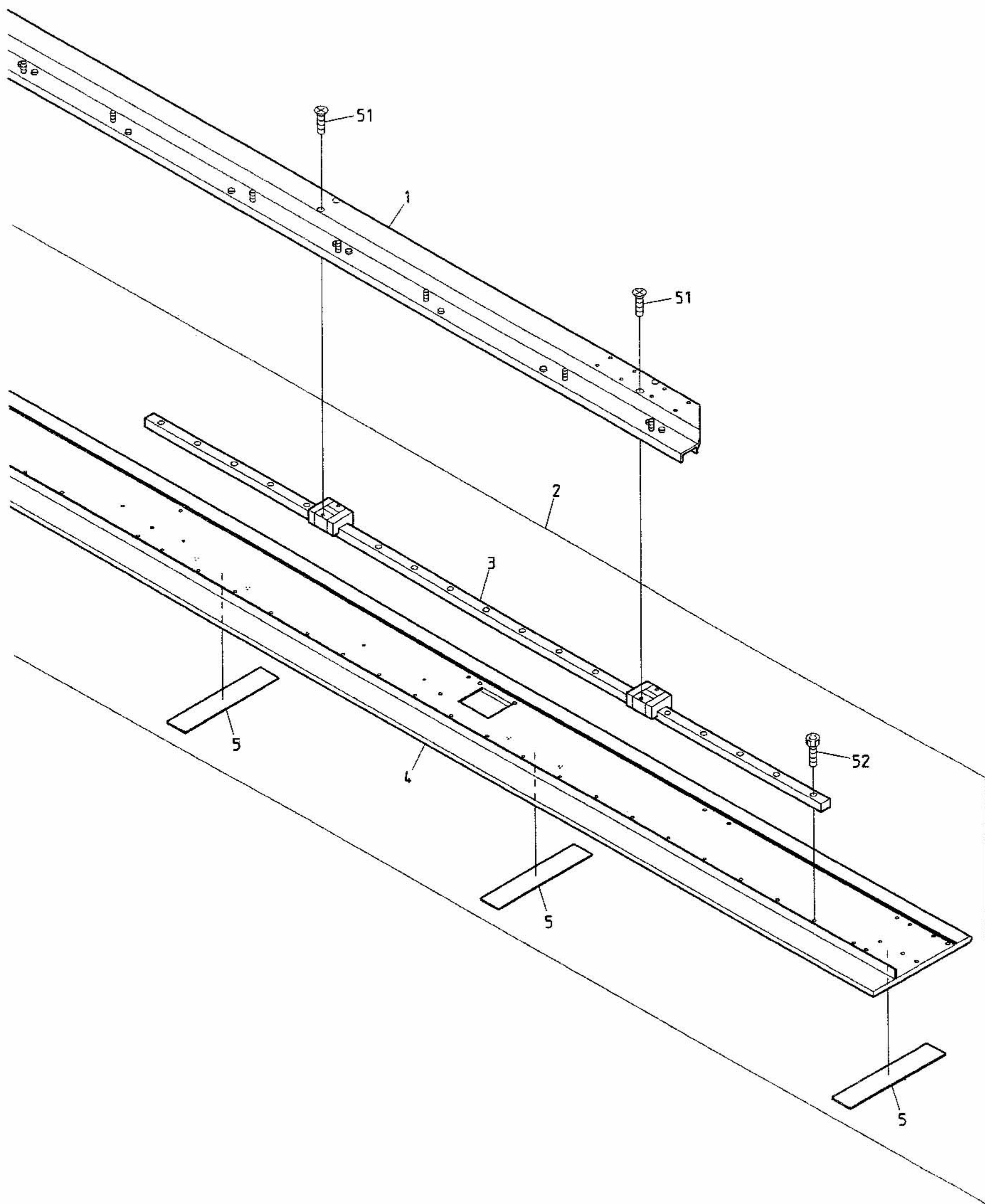
BEDYHE-Z12/ZQ-C

## 榨驅動H

[illegible]



101 Pantograph drive I  
杵駆動 I



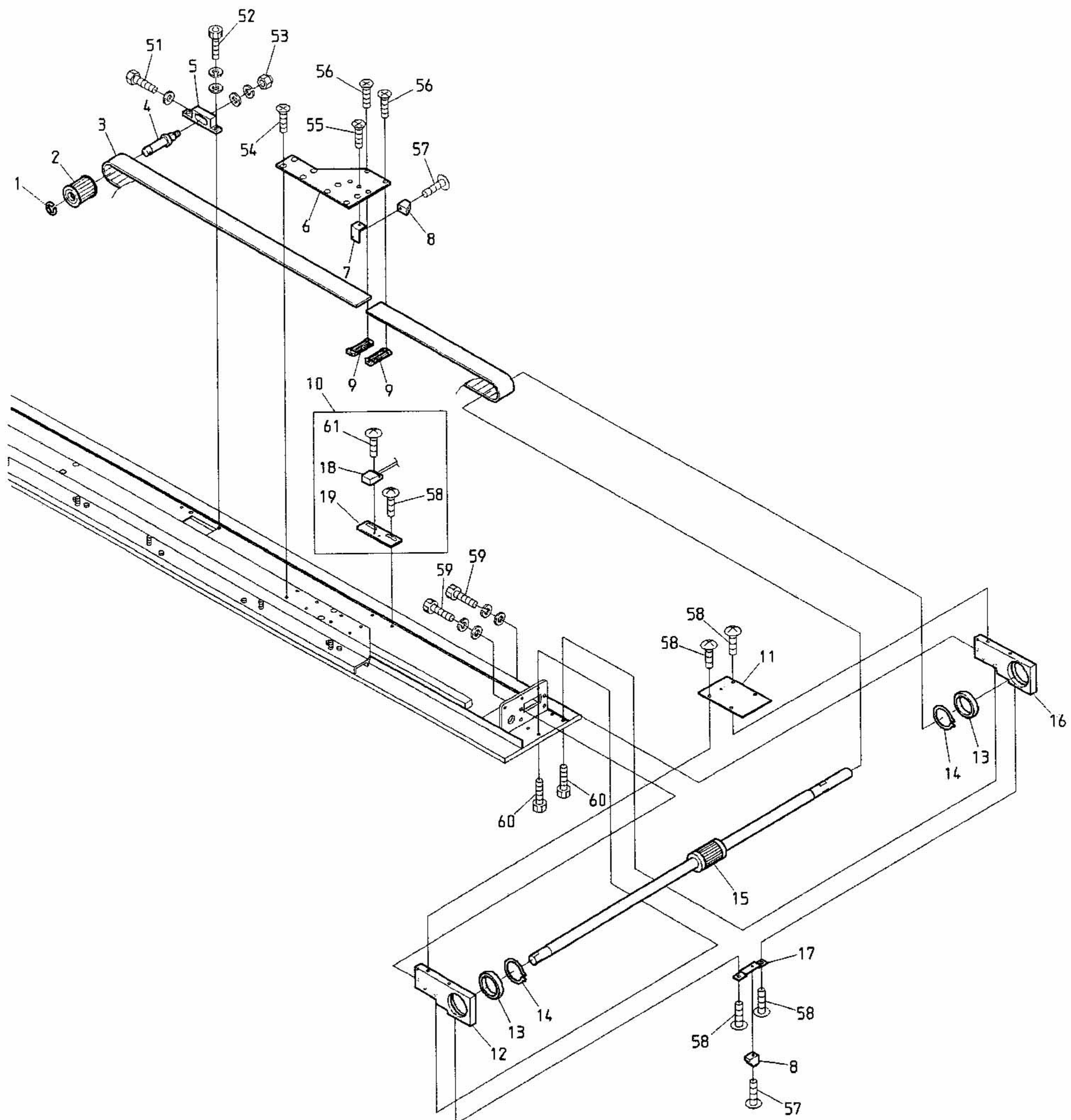
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## 杵駆動 I

[illegible]



10J Pantograph drive J  
 杵駆動 J



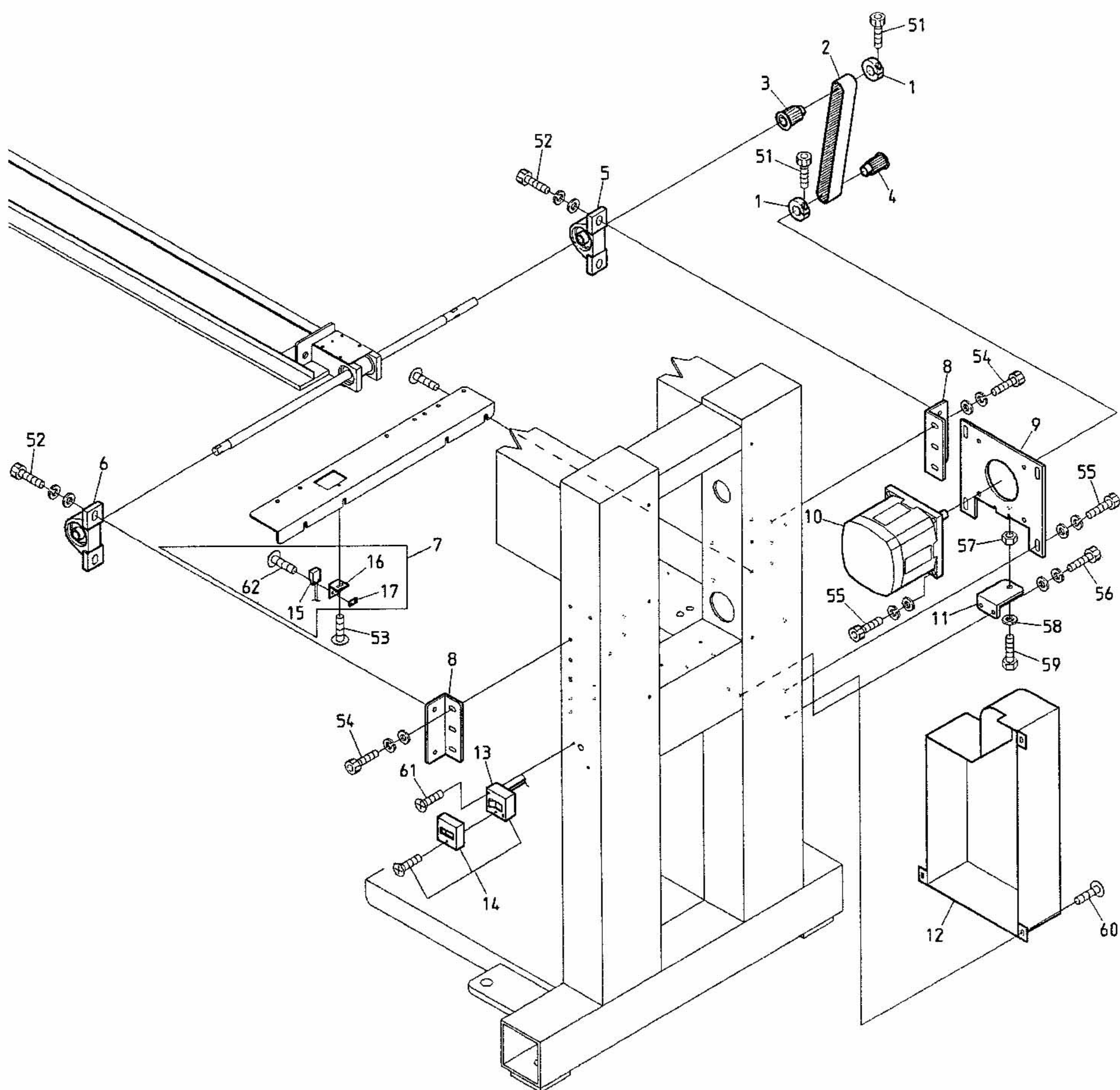
BEDYHE-YN-C BEDYHE-Z12/ZQ-C

### 杵駆動 J

K4



10K Pantograph drive K  
 杵駆動K



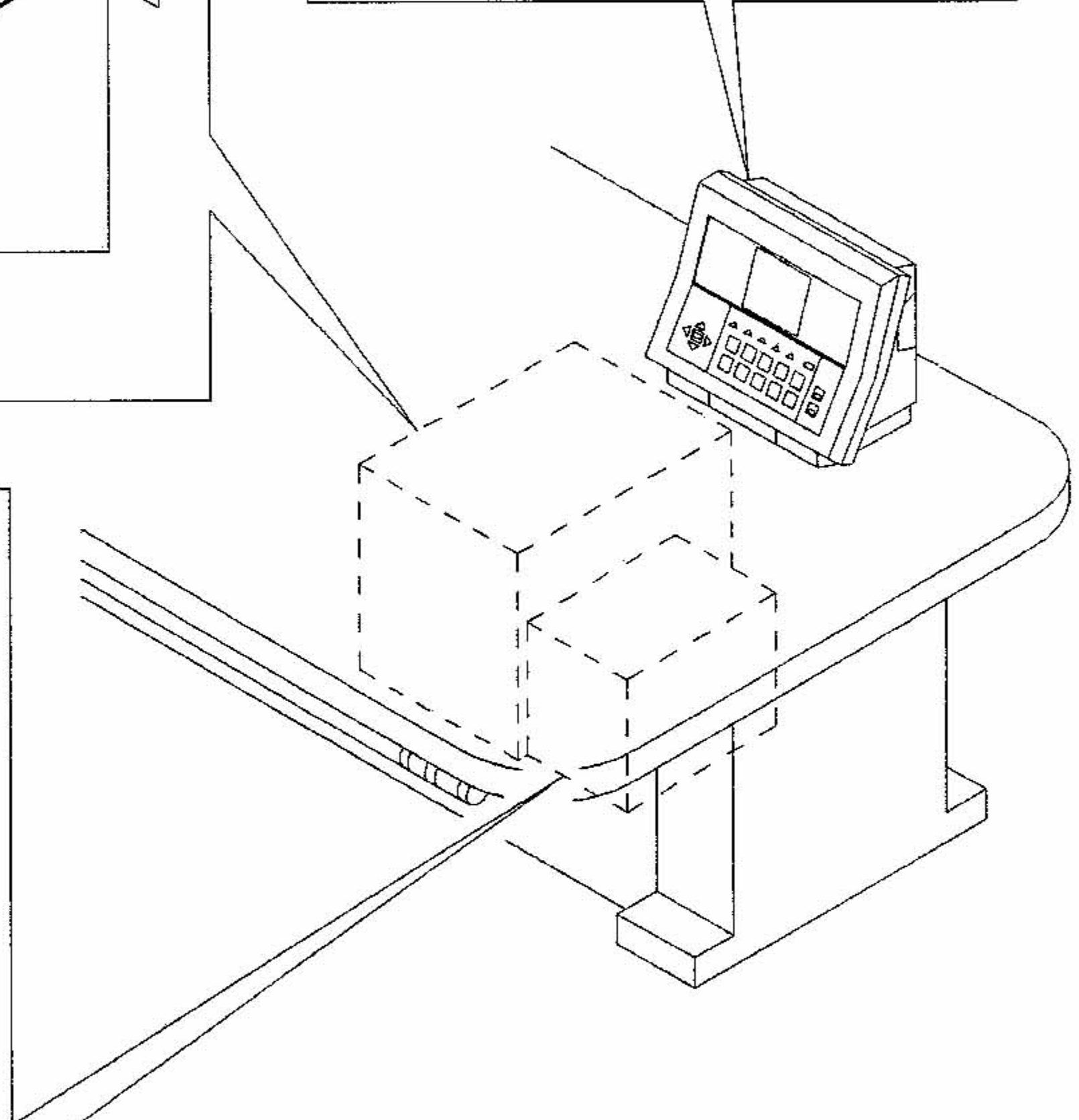
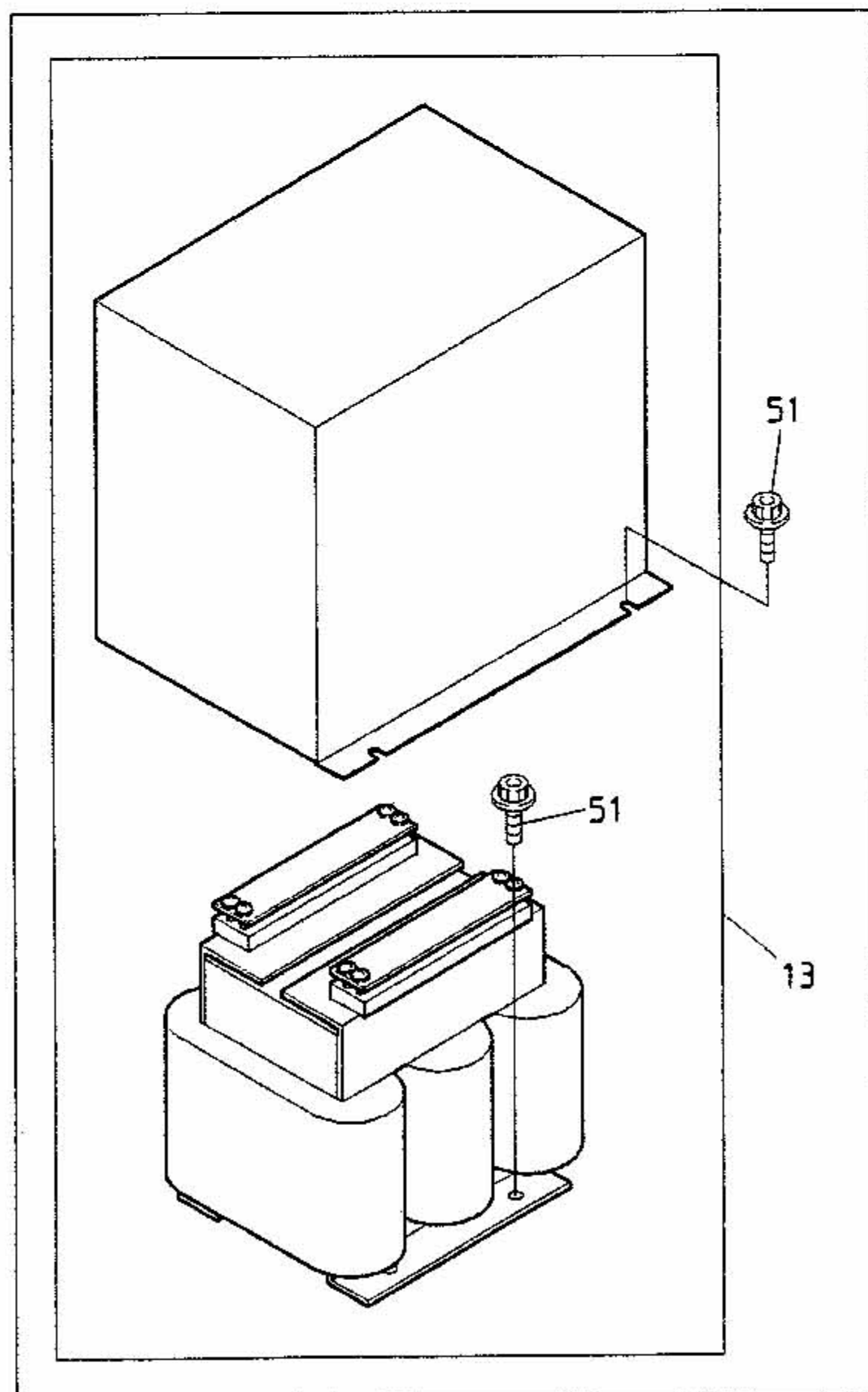
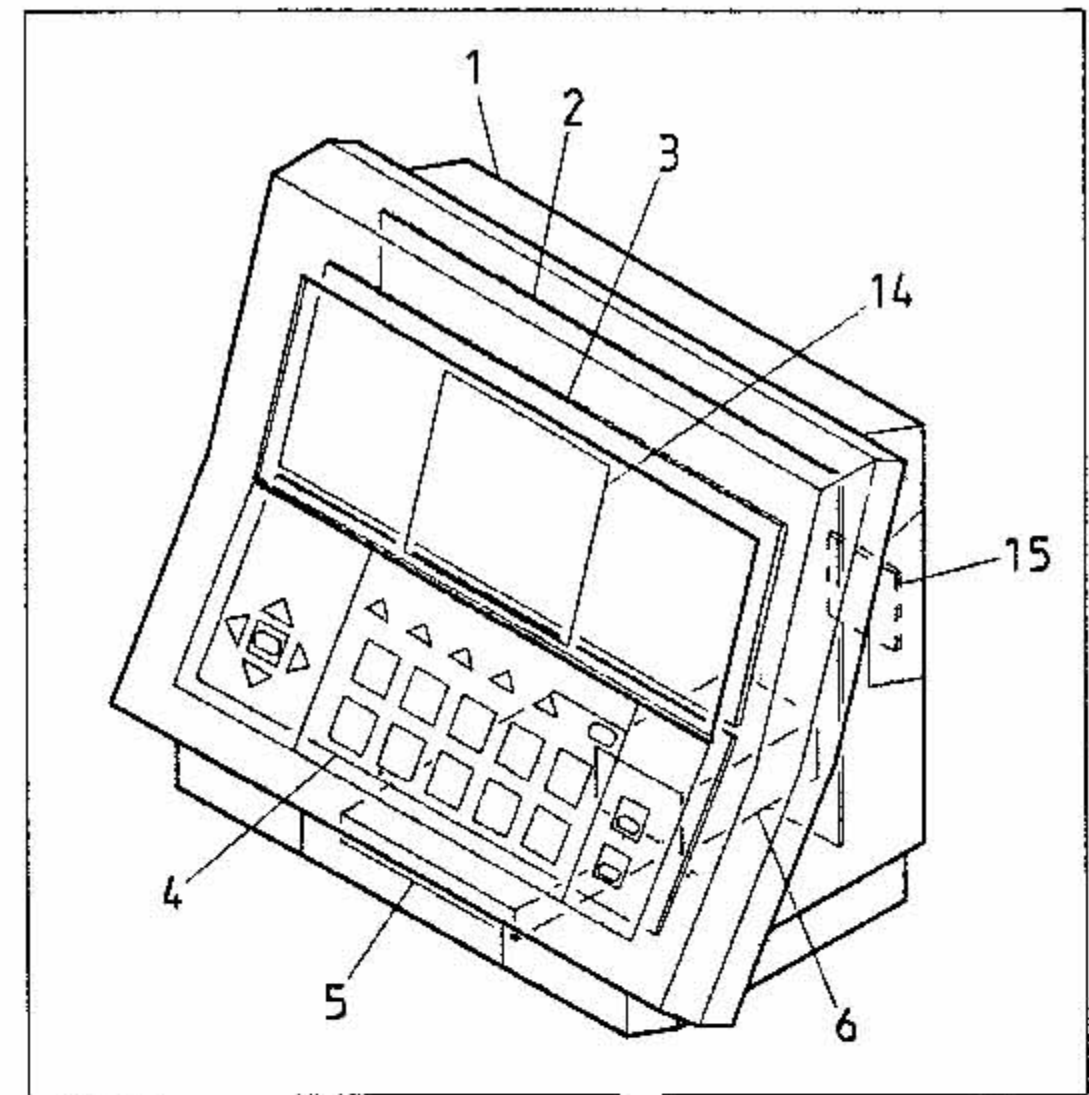
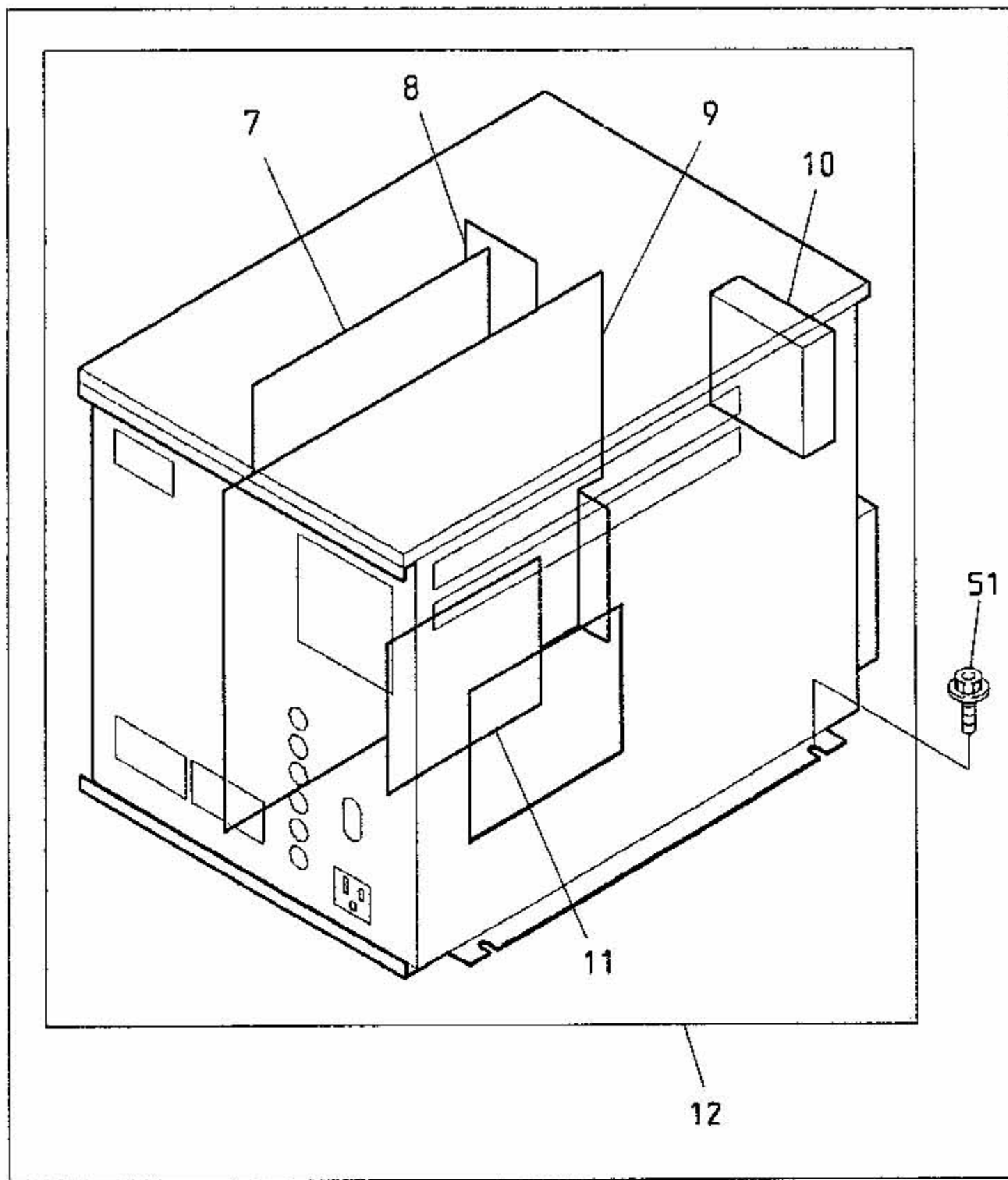
BEDYHE-YN-C BEDYHE-Z12/ZQ-C

棒驅動 K

|    |        |
|----|--------|
| K4 | 020221 |
|----|--------|



11A Control A  
制御 A



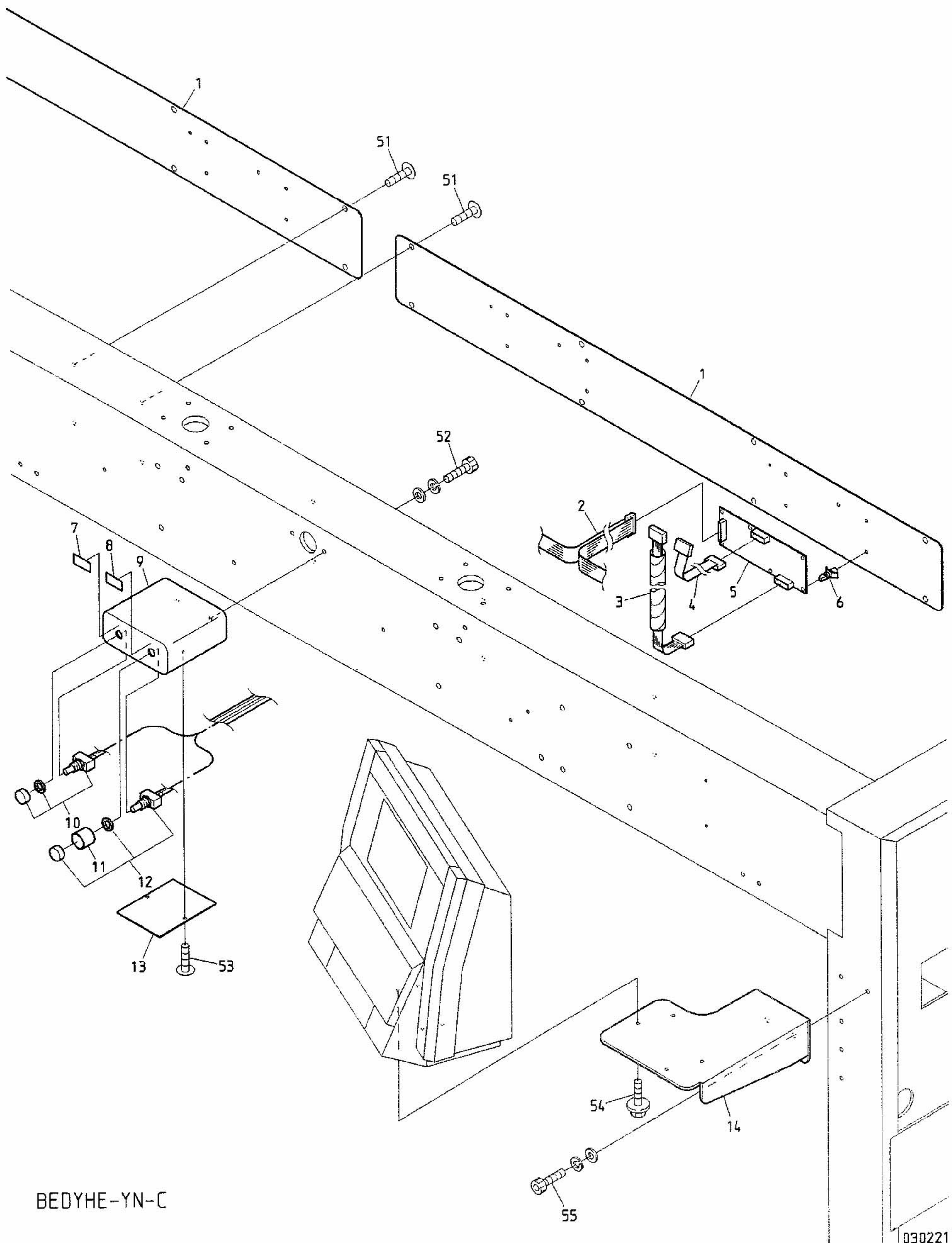
BEDYH-YN BEDYH-YN-C BEDYHE-YN-C BEDYHE-Z12/ZQ-C

## 制御 A

I3 030127



11B-1 Control B(2T/4T)  
制御B (2T/4T)



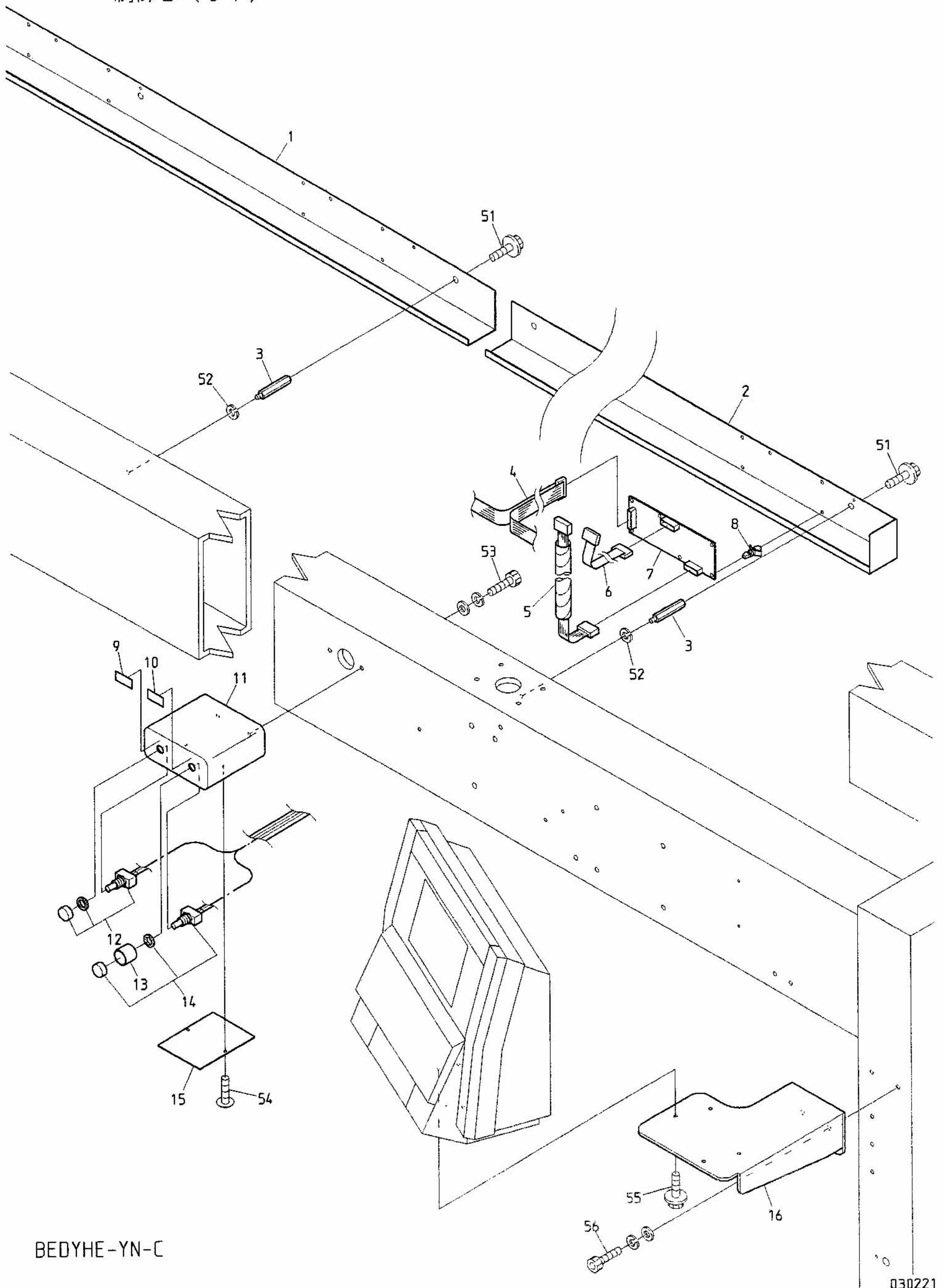
BEDYHE-YN-C

制御B (2T/4T)

(H=頭数)



11B-2 Control B(6T)  
制御B (6T)



BEDYHE-YN-C

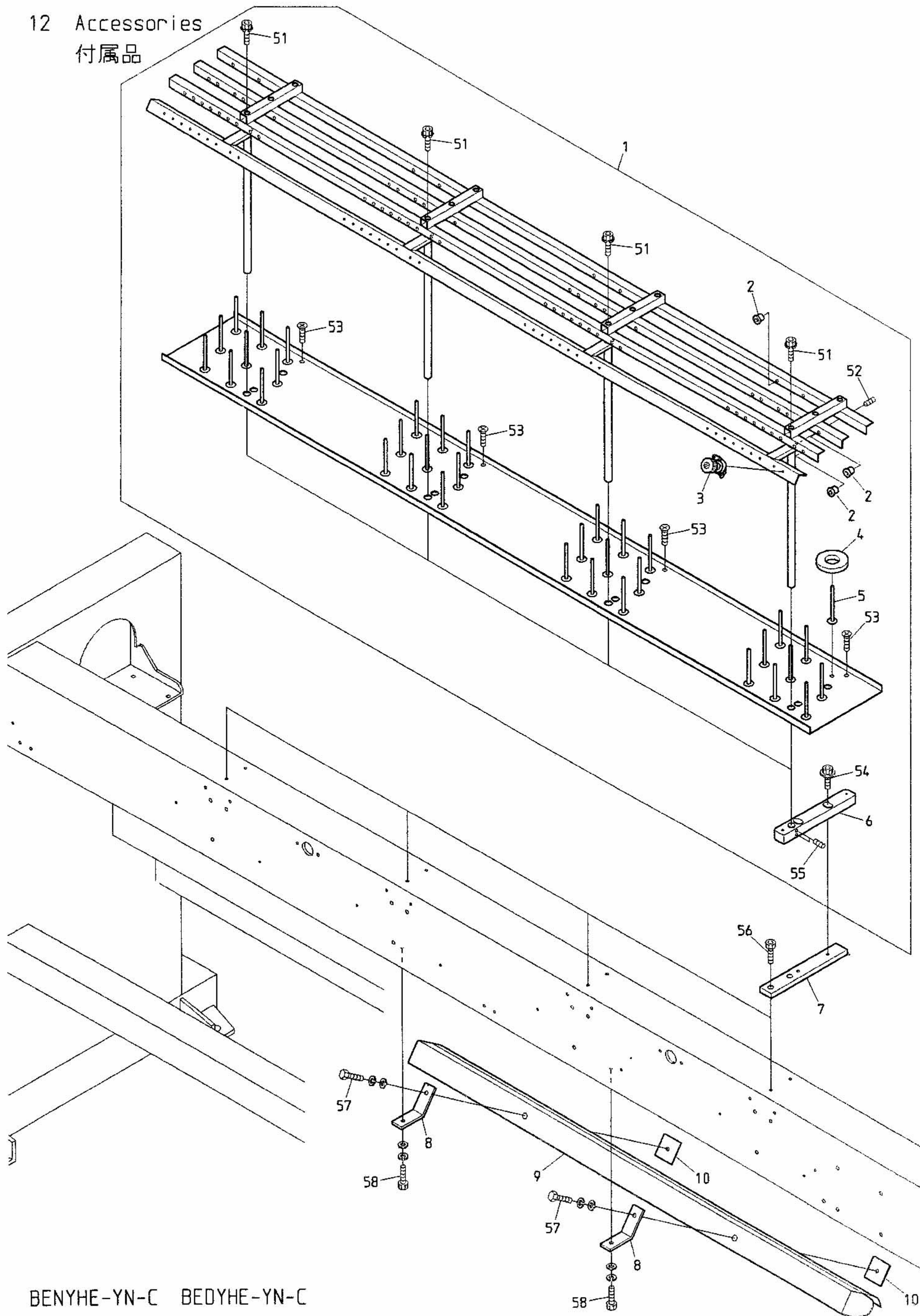
制御B (6 T)

(H=頭数)

K4



12 Accessories  
付属品



BENYHE-YN-C BEDYHE-YN-C  
BENBHE-YN-C

付属品

(H=頭数)

K3

030227



# I N D E X

| LIST No.   | SECTION No. | ITEM | LIST No. | SECTION No. | ITEM |
|------------|-------------|------|----------|-------------|------|
| 2CSJ902520 | 12          | 1    | A9012437 | 10B         | 9    |
| 2CSJ904520 | 12          | 1    | A9013066 | 02A         | 8    |
| 2CSJ906520 | 12          | 1    | A9013066 | 02C         | 16   |
| A9010001   | 07A         | 7    | A9013070 | 00B         | 6    |
| A9010003   | 08-1        | 7    | A9014055 | 04A         | 16   |
| A9010003   | 08-2        | 7    | A9014059 | 01A         | 7    |
| A9010061   | 10J         | 13   | A9014161 | 00A-1       | 7    |
| A9010073   | 03B         | 15   | A9014161 | 00A-2       | 7    |
| A9011021   | 03A         | 15   | A9014162 | 00A-1       | 11   |
| A9011021   | 04A         | 23   | A9014162 | 00A-2       | 11   |
| A9011022   | 04A         | 24   | A9014163 | 00A-1       | 12   |
| A9011023   | 04A         | 22   | A9014163 | 00A-2       | 12   |
| A9011111   | 01A         | 14   | A9014163 | 00B         | 16   |
| A9011128   | 10K         | 5    | A9019008 | 11B-1       | 8    |
| A9011152   | 03A         | 14   | A9019008 | 11B-2       | 10   |
| A9011173   | 02A         | 22   | A9019009 | 11B-1       | 7    |
| A9011242   | 10K         | 6    | A9019009 | 11B-2       | 9    |
| A9011243   | 10C         | 5    | A9019049 | 00A-1       | 15   |
| A9011243   | 10D         | 2    | A9019049 | 00A-2       | 15   |
| A9011243   | 10E         | 2    | A9020180 | 08-1        | 5    |
| A9011243   | 10F         | 3    | A9020180 | 08-2        | 5    |
| A9011244   | 10C         | 6    | A9020211 | 10K         | 2    |
| A9011244   | 10F         | 2    | A9052028 | 02C         | 10   |
| A9012001   | 07A         | 19   | A9052029 | 10K         | 14   |
| A9012002   | 02B         | 8    | A9052030 | 10J         | 8    |
| A9012002   | 07B         | 14   | A9052031 | 10J         | 18   |
| A9012027   | 01A         | 25   | A9052031 | 10K         | 15   |
| A9012052   | 10C         | 20   | A9052078 | 02B         | 4    |
| A9012052   | 10D         | 16   | A9052080 | 11B-1       | 12   |
| A9012052   | 10E         | 16   | A9052080 | 11B-2       | 14   |
| A9012052   | 10F         | 17   | A9052081 | 11B-1       | 10   |
| A9012052   | 10J         | 1    | A9052081 | 11B-2       | 12   |
| A9012053   | 04A         | 21   | A9053081 | 08-1        | 3    |
| A9012055   | 07B         | 19   | A9053081 | 08-2        | 3    |
| A9012063   | 08-1        | 9    | A9053082 | 02B         | 32   |
| A9012063   | 08-2        | 9    | A9054054 | 11A         | 15   |
| A9012127   | 02D         | 29   | A9056029 | 07B         | 6    |
| A9012127   | 04B         | 24   | A9056030 | 02A         | 17   |
| A9012143   | 07B         | 7    | A9056031 | 02C         | 1    |
| A9012164   | 04B         | 10   | A9056036 | 05          | 1    |
| A9012367   | 04B         | 27   | A9056037 | 02D         | 23   |
| A9012368   | 04B         | 17   | A9065087 | 07A         | 23   |
| A9012401   | 10J         | 14   | A9065092 | 02B         | 13   |
| A9012421   | 03B         | 16   | A9065107 | 02B         | 1    |
| A9012437   | 10A         | 3    | A9068030 | 10C         | 3    |



# I N D E X

| LIST No.        | SECTION No. | ITEM | LIST No. | SECTION No. | ITEM |
|-----------------|-------------|------|----------|-------------|------|
| A9068048        | 11B-1       | 6    | HB240020 | 05          | 4    |
| A9068048        | 11B-2       | 8    | HB240030 | 05          | 5    |
| A9068049        | 10C         | 22   | HB240041 | 05          | 3    |
| A9068050        | 10C         | 23   | HB240110 | 05          | 12   |
| EAY052A3        | 11A         | 13   | HB240151 | 03A         | 2    |
| EAY053A0        | 10H         | 8    | HB240161 | 03A         | 12   |
| EAY054A1        | 11A         | 1    | HB240241 | 06          | 24   |
| EAY068A2        | 11A         | 12   | HB240351 | 05          | 20   |
| EAY074A3        | 11A         | 13   | HB330010 | 07A         | 14   |
| EBY01120        | 07A         | 3    | HB330020 | 07A         | 9    |
| EBY01620        | 11A         | 7    | HB330040 | 07A         | 21   |
| EBY01625        | 06          | 17   | HB330050 | 07B         | 16   |
| EBY01625        | 11B-1       | 4    | HB330060 | 07B         | 8    |
| EBY01625        | 11B-2       | 6    | HB330070 | 07B         | 5    |
| EBY01663        | 11B-1       | 5    | HB330080 | 07B         | 18   |
| EBY01663        | 11B-2       | 7    | HB330090 | 07B         | 2    |
| EBY02230        | 11A         | 8    | HB330101 | 07B         | 3    |
| EBY02250        | 11A         | 11   | HB330111 | 07A         | 12   |
| EBY02330        | 11A         | 2    | HB330120 | 07A         | 16   |
| EBY02340        | 11A         | 4    | HB330130 | 07A         | 8    |
| EBY02350        | 11A         | 3    | HB330150 | 07A         | 15   |
| EBY02440        | 11A         | 5    | HB330170 | 07A         | 11   |
| EBY02450        | 11A         | 14   | HB330190 | 07A         | 10   |
| EBY02460        | 11A         | 6    | HB330200 | 07A         | 6    |
| EBY02580        | 06          | 14   | HB330211 | 07A         | 5    |
| EBY02700        | 11A         | 9    | HB330221 | 07A         | 4    |
| FA904147        | 11A         | 10   | HB710020 | 12          | 10   |
| FN070011SNY     | 04A         | 14   | HH330670 | 07A         | 22   |
| FR92300290A380A | 10B         | 1    | HH330770 | 07B         | 10   |
| FR92460434A520S | 10B         | 1    | HH481932 | 10H         | 3    |
| HB230070        | 03B         | 8    | HH481980 | 10C         | 12   |
| HB230080        | 03B         | 7    | HH481980 | 10D         | 8    |
| HB230160        | 04B         | 11   | HH481980 | 10E         | 8    |
| HB230180        | 04C         | 20   | HH481980 | 10F         | 9    |
| HB230190        | 04C         | 24   | HH481980 | 10K         | 1    |
| HB230200        | 04B         | 13   | HH481991 | 10C         | 17   |
| HB230220        | 04C         | 10   | HH481991 | 10D         | 13   |
| HB230261        | 04C         | 9    | HH481991 | 10E         | 13   |
| HB230271        | 04C         | 3    | HH481991 | 10F         | 14   |
| HB230281        | 04C         | 7    | HH481991 | 10J         | 4    |
| HB230361        | 04C         | 6    | HM140120 | 00B         | 8    |
| HB230620        | 03B         | 4    | HM270000 | 02A         | 25   |
| HB230650        | 03B         | 30   | HM270010 | 02B         | 6    |
| HB230751        | 03A         | 6    | HM330050 | 07A         | 39   |
| HB230800        | 03B         | 20   | HM330060 | 07B         | 16   |



# I N D E X

| LIST No.  | SECTION No. | ITEM | LIST No.  | SECTION No. | ITEM |
|-----------|-------------|------|-----------|-------------|------|
| HP 231370 | 04B         | 26   | HT 230280 | 04B         | 20   |
| HP 241430 | 12          | 3    | HT 230290 | 04B         | 15   |
| HP 321090 | 01A         | 13   | HT 230300 | 03A         | 16   |
| HP 321710 | 01B         | 5    | HT 230320 | 04B         | 2    |
| HP 321720 | 01B         | 1    | HT 230330 | 04A         | 7    |
| HP 331560 | 07B         | 13   | HT 230340 | 04B         | 3    |
| HP 331610 | 07B         | 12   | HT 230350 | 02D         | 20   |
| HP 331660 | 07A         | 20   | HT 230361 | 02D         | 18   |
| HP 331700 | 07B         | 1    | HT 230380 | 04C         | 16   |
| HP 331950 | 07B         | 4    | HT 230410 | 04C         | 8    |
| HP 482940 | 10C         | 15   | HT 230420 | 04C         | 11   |
| HP 482940 | 10D         | 11   | HT 230450 | 04B         | 6    |
| HP 482940 | 10E         | 11   | HT 230460 | 04B         | 7    |
| HP 482940 | 10F         | 12   | HT 230471 | 04B         | 14   |
| HP 482940 | 10J         | 9    | HT 230480 | 04B         | 8    |
| HS 210020 | 01A         | 1    | HT 230491 | 04B         | 1    |
| HS 210021 | 01A         | 1    | HT 230500 | 04B         | 5    |
| HS 210031 | 01A         | 24   | HT 230510 | 04B         | 12   |
| HS 210042 | 01A         | 11   | HT 230520 | 04B         | 16   |
| HS 210051 | 02A         | 13   | HT 230540 | 03A         | 8    |
| HS 210060 | 02A         | 18   | HT 230560 | 04B         | 21   |
| HS 210070 | 02A         | 16   | HT 230590 | 04C         | 1    |
| HS 210080 | 02A         | 21   | HT 230600 | 04C         | 14   |
| HS 210090 | 02A         | 23   | HT 230610 | 04C         | 13   |
| HS 210100 | 02A         | 12   | HT 230620 | 05          | 8    |
| HS 210111 | 02A         | 10   | HT 230631 | 05          | 6    |
| HS 210121 | 02A         | 11   | HT 230640 | 02D         | 21   |
| HS 210142 | 02A         | 14   | HT 230690 | 04A         | 19   |
| HS 210300 | 02A         | 14   | HT 230720 | 04C         | 15   |
| HS 220010 | 01A         | 4    | HT 230730 | 04B         | 18   |
| HS 270030 | 02B         | 2    | HT 230750 | 04B         | 23   |
| HS 270070 | 02B         | 31   | HT 230760 | 04B         | 9    |
| HT 220061 | 01A         | 5    | HT 230770 | 04B         | 22   |
| HT 230020 | 03A         | 10   | HT 230830 | 02D         | 19   |
| HT 230064 | 04A         | 9    | HT 230941 | 03A         | 4    |
| HT 230070 | 03A         | 3    | HT 240000 | 03A         | 1    |
| HT 230080 | 03A         | 7    | HT 240010 | 03A         | 13   |
| HT 230100 | 03B         | 3    | HT 240101 | 06          | 11   |
| HT 230111 | 04A         | 18   | HT 240180 | 06          | 13   |
| HT 230120 | 04A         | 12   | HT 240290 | 06          | 3    |
| HT 230171 | 03A         | 5    | HT 240430 | 06          | 23   |
| HT 230180 | 04A         | 20   | HT 240440 | 06          | 25   |
| HT 230220 | 05          | 7    | HT 240500 | 03A         | 1    |
| HT 230263 | 04A         | 8    | HT 240510 | 03A         | 13   |
| HT 230270 | 03A         | 11   | HT 240570 | 05          | 13   |



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| LIST No.    | SECTION No. | ITEM | LIST No. | SECTION No. | ITEM |
|-------------|-------------|------|----------|-------------|------|
| HT240580    | 05          | 11   | KF221020 | 01A         | 23   |
| HT270001    | 02D         | 3    | KF221040 | 01A         | 21   |
| HT270010    | 02D         | 2    | KF230501 | 03B         | 34   |
| HT270022    | 02D         | 7    | KF230530 | 04B         | 25   |
| HT270030    | 02D         | 1    | KF230582 | 02D         | 4    |
| HT270040    | 02D         | 5    | KF230620 | 04C         | 23   |
| HT270063    | 02D         | 8    | KF230620 | 07B         | 17   |
| HT270070    | 02C         | 3    | KF230630 | 07B         | 15   |
| HT270080    | 02D         | 28   | KF230640 | 04C         | 18   |
| HT270090    | 02D         | 27   | KF230661 | 04C         | 21   |
| HT270100    | 02D         | 25   | KF230670 | 04C         | 12   |
| HT270110    | 02C         | 14   | KF230680 | 03B         | 6    |
| HT270120    | 02D         | 24   | KF230910 | 04A         | 11   |
| HT270140    | 02D         | 1    | KF240900 | 12          | 2    |
| HT270150    | 02D         | 3    | KF250220 | 02D         | 10   |
| HT270181    | 02A         | 3    | KF250231 | 02D         | 12   |
| HT330001    | 07A         | 17   | KF250241 | 02D         | 11   |
| HT710000    | 12          | 5    | KF250250 | 02D         | 13   |
| HV480060    | 10H         | 6    | KF330180 | 04A         | 26   |
| HV710010    | 12          | 9    | KF330180 | 04C         | 19   |
| HV710020    | 12          | 9    | KF710390 | 12          | 4    |
| KA480010    | 10H         | 6    | KF730750 | 10A         | 1    |
| KC250482    | 01A         | 19   | KF730760 | 10A         | 2    |
| KC270101    | 02D         | 22   | KL220140 | 01A         | 8    |
| KC270271    | 02D         | 6    | KL230180 | 04C         | 22   |
| KC270292    | 02D         | 9    | KL270000 | 02D         | 16   |
| KC271001    | 02A         | 15   | KL270040 | 02D         | 26   |
| KC271940    | 02A         | 20   | KL270060 | 02D         | 30   |
| KC330170    | 07A         | 2    | KL270070 | 02D         | 14   |
| KC330180    | 02B         | 3    | KL270081 | 02C         | 2    |
| KC330280    | 07A         | 1    | KL270091 | 02C         | 11   |
| KC330310300 | 07A         | 18   | KL270101 | 02C         | 5    |
| KC330410    | 02B         | 10   | KL270110 | 02C         | 8    |
| KC330410    | 04A         | 25   | KL270120 | 02C         | 7    |
| KC330410    | 04C         | 17   | KL270130 | 02C         | 6    |
| KC330410    | 07B         | 9    | KL270260 | 02C         | 9    |
| KC330420    | 07B         | 11   | KL270400 | 02C         | 13   |
| KC330510    | 02B         | 9    | KL270450 | 02C         | 12   |
| KF220230    | 01A         | 3    | KL270520 | 02D         | 17   |
| KF220240    | 01A         | 20   | KN271560 | 02A         | 24   |
| KF220290    | 01A         | 2    | KN271750 | 02B         | 7    |
| KF220302    | 01A         | 23   | KN271782 | 02B         | 5    |
| KF220421    | 01A         | 22   | KN272010 | 02A         | 9    |
| KF220530    | 01A         | 22   | KN272350 | 02B         | 17   |
| KF220700    | 01A         | 21   | KN272401 | 02A         | 19   |



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| LIST No. | SECTION No. | ITEM | LIST No. | SECTION No. | ITEM |
|----------|-------------|------|----------|-------------|------|
| KN272401 | 02C         | 4    | RN230030 | 03B         | 33   |
| KN272401 | 02D         | 15   | RN230040 | 03B         | 14   |
| KN511020 | 01B         | 3    | RN230050 | 03A         | 9    |
| KN540510 | 06          | 10   | RN230061 | 03B         | 32   |
| KV230040 | 04A         | 6    | RN230071 | 03B         | 9    |
| KW710060 | 10K         | 13   | RN240010 | 05          | 2    |
| KW710070 | 10K         | 13   | RN240020 | 05          | 10   |
| KX250080 | 01A         | 9    | RN240030 | 05          | 9    |
| KX250080 | 02A         | 2    | RP310170 | 08-1        | 1    |
| KX270000 | 02A         | 26   | RP310170 | 08-2        | 1    |
| KX270010 | 02A         | 6    | RP310201 | 08-1        | 2    |
| KX270430 | 02A         | 27   | RP310201 | 08-2        | 2    |
| KX510140 | 11B-1       | 11   | RP330010 | 07A         | 13   |
| KX510140 | 11B-2       | 13   | RP480200 | 10C         | 18   |
| LA730590 | 10B         | 6    | RP480200 | 10D         | 14   |
| LA730610 | 10B         | 4    | RP480200 | 10E         | 14   |
| LA730630 | 10B         | 5    | RP480200 | 10F         | 15   |
| LA730650 | 10B         | 3    | RQ120080 | 00B         | 4    |
| RA310380 | 08-1        | 2    | RQ310000 | 08-1        | 8    |
| RD230370 | 04A         | 10   | RQ310000 | 08-2        | 8    |
| RD230480 | 04A         | 2    | RR230000 | 03B         | 2    |
| RD230490 | 04A         | 4    | RR230011 | 04A         | 17   |
| RD240154 | 06          | 5    | RR230020 | 04A         | 27   |
| RD510030 | 11B-1       | 3    | RR230031 | 04B         | 4    |
| RD510030 | 11B-2       | 5    | RR230040 | 03B         | 31   |
| RF450041 | 10K         | 17   | RR230051 | 04A         | 1    |
| RH230271 | 03B         | 12   | RR230061 | 04A         | 1    |
| RH230280 | 03B         | 11   | RR230080 | 04C         | 4    |
| RH230290 | 03B         | 9    | RR230090 | 04C         | 2    |
| RH230300 | 03B         | 10   | RR240010 | 06          | 19   |
| RH230311 | 03B         | 1    | RR240020 | 06          | 20   |
| RH230320 | 03B         | 18   | RR240030 | 06          | 21   |
| RH230330 | 03B         | 19   | RR240060 | 06          | 22   |
| RH230410 | 04A         | 5    | RR240212 | 06          | 26   |
| RH230440 | 04A         | 3    | RR240230 | 06          | 9    |
| RH230450 | 04A         | 13   | RR240250 | 06          | 15   |
| RH230460 | 04A         | 15   | RR240280 | 06          | 1    |
| RH230540 | 04B         | 19   | RR240300 | 06          | 2    |
| RH230610 | 03B         | 37   | RR240310 | 06          | 7    |
| RH230801 | 03B         | 35   | RR240320 | 06          | 8    |
| RH230810 | 03B         | 5    | RR240330 | 06          | 12   |
| RN210011 | 03B         | 17   | RR240340 | 06          | 16   |
| RN230000 | 03B         | 32   | RR240350 | 06          | 18   |
| RN230010 | 03B         | 36   | RR240390 | 06          | 6    |
| RN230020 | 03B         | 13   | RR240510 | 06          | 4    |



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| LIST No. | SECTION No. | ITEM | LIST No. | SECTION No. | ITEM |
|----------|-------------|------|----------|-------------|------|
| RR320020 | 03B         | 38   | SC310000 | 08-1        | 17   |
| RR320030 | 03B         | 39   | SC310000 | 08-2        | 17   |
| RR330000 | 07A         | 14   | SC310010 | 08-1        | 14   |
| RR330010 | 07A         | 15   | SC310010 | 08-2        | 14   |
| SC120010 | 00B         | 7    | SC310021 | 08-1        | 10   |
| SC120030 | 00B         | 1    | SC310021 | 08-2        | 10   |
| SC120040 | 00B         | 3    | SC310030 | 08-1        | 11   |
| SC140020 | 00B         | 18   | SC310030 | 08-2        | 11   |
| SC140030 | 00B         | 17   | SC310040 | 08-2        | 12   |
| SC140040 | 00B         | 15   | SC310050 | 08-1        | 15   |
| SC140090 | 00B         | 5    | SC310050 | 08-2        | 15   |
| SC140120 | 00A-1       | 6    | SC310061 | 08-1        | 13   |
| SC140120 | 00A-1       | 8    | SC310061 | 08-2        | 13   |
| SC140120 | 00A-2       | 6    | SC310070 | 08-1        | 19   |
| SC140130 | 00A-1       | 5    | SC310070 | 08-2        | 19   |
| SC140130 | 00A-1       | 9    | SC310080 | 08-2        | 6    |
| SC140130 | 00A-2       | 5    | SC310090 | 08-2        | 20   |
| SC140140 | 00B         | 12   | SC310100 | 08-1        | 16   |
| SC140160 | 00A-1       | 13   | SC310100 | 08-2        | 16   |
| SC140160 | 00A-2       | 13   | SC310110 | 08-1        | 6    |
| SC140170 | 00A-1       | 14   | SC310120 | 08-1        | 20   |
| SC140170 | 00A-2       | 14   | SC310130 | 08-1        | 6    |
| SC140180 | 00A-1       | 10   | SC310140 | 08-1        | 20   |
| SC140180 | 00A-2       | 10   | SC310150 | 08-1        | 12   |
| SC160010 | 00A-1       | 16   | SC330130 | 01B         | 2    |
| SC160010 | 00A-2       | 16   | SC480000 | 10K         | 3    |
| SC160020 | 00A-1       | 17   | SC480010 | 10C         | 19   |
| SC160020 | 00A-2       | 17   | SC480010 | 10D         | 15   |
| SC160030 | 00A-1       | 18   | SC480010 | 10E         | 15   |
| SC160030 | 00A-2       | 18   | SC480010 | 10F         | 16   |
| SC160040 | 08-2        | 4    | SC480010 | 10J         | 2    |
| SC210000 | 01A         | 15   | SC480020 | 10C         | 14   |
| SC210010 | 00B         | 13   | SC480020 | 10D         | 10   |
| SC210010 | 01A         | 16   | SC480020 | 10E         | 10   |
| SC250010 | 08-2        | 22   | SC480020 | 10F         | 11   |
| SC250030 | 10H         | 2    | SC480020 | 10J         | 3    |
| SC250040 | 10C         | 9    | SC480040 | 10C         | 11   |
| SC250040 | 10D         | 5    | SC480040 | 10D         | 7    |
| SC250040 | 10E         | 5    | SC480040 | 10E         | 7    |
| SC250040 | 10F         | 6    | SC480040 | 10F         | 8    |
| SC250070 | 10C         | 10   | SC480070 | 10K         | 8    |
| SC250070 | 10D         | 6    | SC480080 | 10C         | 24   |
| SC250070 | 10E         | 6    | SC480090 | 10F         | 19   |
| SC250070 | 10F         | 7    | SC480100 | 10D         | 18   |
| SC250080 | 01B         | 4    | SC480110 | 10E         | 18   |



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| LIST No. | SECTION No. | ITEM | LIST No. | SECTION No. | ITEM |
|----------|-------------|------|----------|-------------|------|
| SC480120 | 10C         | 21   | SC481230 | 10G         | 1    |
| SC480130 | 10F         | 18   | SC481241 | 10I         | 4    |
| SC480140 | 10D         | 17   | SC481280 | 10H         | 7    |
| SC480150 | 10E         | 17   | SC481290 | 10I         | 3    |
| SC480170 | 10K         | 10   | SC481300 | 10G         | 8    |
| SC480181 | 10K         | 7    | SC481310 | 10G         | 1    |
| SC480190 | 10J         | 7    | SC481330 | 10H         | 1    |
| SC480201 | 10J         | 10   | SC481370 | 08-1        | 1    |
| SC480210 | 10C         | 8    | SC481401 | 10I         | 2    |
| SC480210 | 10D         | 4    | SC481710 | 10K         | 16   |
| SC480210 | 10E         | 4    | SC481720 | 10J         | 19   |
| SC480210 | 10F         | 5    | SC481730 | 10I         | 1    |
| SC480220 | 10H         | 4    | SC481750 | 10I         | 1    |
| SC480230 | 10J         | 11   | SC481770 | 10I         | 1    |
| SC480241 | 10J         | 17   | SC510000 | 12          | 8    |
| SC480260 | 10J         | 6    | SC510010 | 11B-2       | 16   |
| SC480290 | 10C         | 26   | SC510020 | 11B-2       | 3    |
| SC480300 | 10J         | 12   | SC510030 | 11B-2       | 2    |
| SC480310 | 10J         | 16   | SC510040 | 11B-2       | 1    |
| SC480330 | 10C         | 4    | SC510090 | 11B-1       | 1    |
| SC480330 | 10D         | 1    | SC510180 | 11B-1       | 1    |
| SC480330 | 10E         | 1    | SC730030 | 10A         | 5    |
| SC480330 | 10F         | 1    | SC730041 | 10A         | 4    |
| SC480340 | 10H         | 5    | SC730092 | 10B         | 2    |
| SC480350 | 10H         | 7    | SC730102 | 10B         | 7    |
| SC480360 | 10H         | 9    | SC730111 | 10B         | 8    |
| SC480370 | 10H         | 1    | SC730340 | 10A         | 6    |
| SC480801 | 10I         | 2    | SC730360 | 10A         | 6    |
| SC480811 | 10I         | 4    | SH710000 | 12          | 7    |
| SC480820 | 10I         | 3    | SJ120000 | 00B         | 2    |
| SC480830 | 10I         | 5    | SJ120010 | 00B         | 2    |
| SC481040 | 10G         | 1    | SJ120030 | 00B         | 2    |
| SC481050 | 10G         | 2    | SJ130021 | 08-1        | 21   |
| SC481061 | 10G         | 3    | SJ130021 | 08-2        | 21   |
| SC481080 | 10G         | 4    | SJ130030 | 08-1        | 21   |
| SC481090 | 10G         | 7    | SJ130030 | 08-2        | 21   |
| SC481100 | 10G         | 9    | SJ130040 | 08-1        | 21   |
| SC481110 | 10G         | 8    | SJ130040 | 08-2        | 21   |
| SC481120 | 10G         | 5    | SJ130070 | 08-1        | 21   |
| SC481130 | 10G         | 6    | SJ130070 | 08-2        | 21   |
| SC481140 | 10H         | 1    | SJ130080 | 08-1        | 21   |
| SC481191 | 10I         | 4    | SJ130080 | 08-2        | 21   |
| SC481201 | 10I         | 2    | SJ140000 | 00B         | 14   |
| SC481210 | 10G         | 8    | SJ140010 | 00B         | 11   |
| SC481220 | 10G         | 7    | SJ140020 | 00B         | 10   |

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| LIST No. | SECTION No. | ITEM | LIST No. | SECTION No. | ITEM |
|----------|-------------|------|----------|-------------|------|
| SJ140040 | 00A-1       | 3    | SJ480020 | 10D         | 19   |
| SJ140040 | 00A-2       | 3    | SJ480020 | 10E         | 19   |
| SJ140050 | 00A-1       | 1    | SJ480020 | 10F         | 20   |
| SJ140050 | 00A-2       | 1    | SJ480030 | 10K         | 9    |
| SJ140060 | 00A-1       | 2    | SJ480040 | 10K         | 11   |
| SJ140060 | 00A-2       | 2    | SJ480050 | 10J         | 15   |
| SJ140100 | 00B         | 19   | SJ480070 | 10D         | 3    |
| SJ140110 | 00B         | 9    | SJ480070 | 10E         | 3    |
| SJ140120 | 00A-2       | 8    | SJ480080 | 10C         | 16   |
| SJ140130 | 00A-2       | 9    | SJ480080 | 10D         | 12   |
| SJ160030 | 08-1        | 4    | SJ480080 | 10E         | 12   |
| SJ160040 | 00A-1       | 19   | SJ480080 | 10F         | 13   |
| SJ160720 | 00A-1       | 4    | SJ480090 | 10J         | 5    |
| SJ160750 | 00A-1       | 4    | SJ510000 | 11B-1       | 14   |
| SJ160770 | 00A-2       | 4    | SJ510000 | 11B-2       | 16   |
| SJ210040 | 02A         | 18   | SJ510030 | 11B-1       | 9    |
| SJ210080 | 01A         | 18   | SJ510030 | 11B-2       | 11   |
| SJ210090 | 01A         | 17   | SJ510040 | 11B-1       | 13   |
| SJ210120 | 01A         | 10   | SJ510040 | 11B-2       | 15   |
| SJ210150 | 01A         | 17   | SJ510050 | 11B-1       | 14   |
| SJ220010 | 01A         | 6    | SJ510080 | 11B-1       | 14   |
| SJ250041 | 08-1        | 18   | SK710000 | 12          | 6    |
| SJ250041 | 08-2        | 18   |          |             |      |
| SJ250060 | 10C         | 1    |          |             |      |
| SJ250070 | 10K         | 12   |          |             |      |
| SJ250080 | 08-2        | 22   |          |             |      |
| SJ250090 | 10C         | 2    |          |             |      |
| SJ270010 | 02A         | 1    |          |             |      |
| SJ270020 | 02A         | 4    |          |             |      |
| SJ270030 | 02A         | 7    |          |             |      |
| SJ270040 | 02A         | 5    |          |             |      |
| SJ270050 | 02B         | 15   |          |             |      |
| SJ270060 | 02B         | 14   |          |             |      |
| SJ270070 | 02B         | 11   |          |             |      |
| SJ270080 | 02B         | 12   |          |             |      |
| SJ270090 | 02B         | 16   |          |             |      |
| SJ320010 | 01A         | 12   |          |             |      |
| SJ480000 | 10C         | 13   |          |             |      |
| SJ480000 | 10D         | 9    |          |             |      |
| SJ480000 | 10E         | 9    |          |             |      |
| SJ480000 | 10F         | 10   |          |             |      |
| SJ480000 | 10K         | 4    |          |             |      |
| SJ480010 | 10C         | 7    |          |             |      |
| SJ480010 | 10F         | 4    |          |             |      |
| SJ480020 | 10C         | 25   |          |             |      |