

# KE-430D BE-438D

パーツブック  
PARTS BOOK



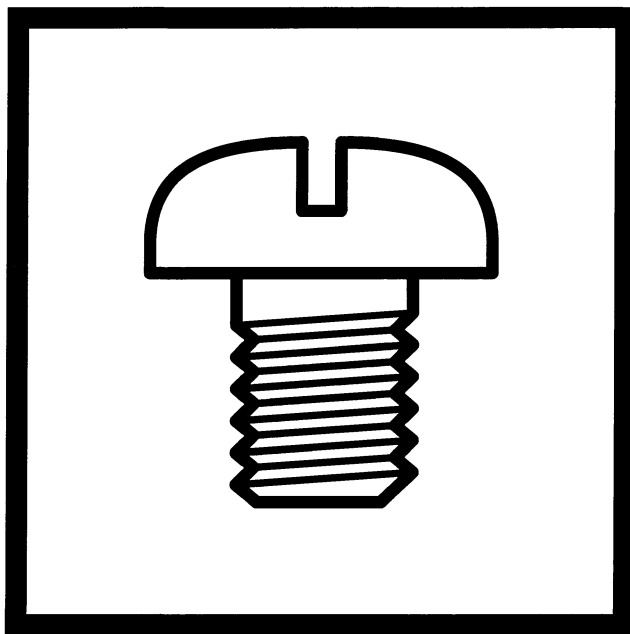
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本縫ダイレクトドライブ電子罫止ミシン [KE-430D]

ELECTRONIC DIRECT DRIVE LOCKSTITCH BAR TACKER [KE-430D]

本縫ダイレクトドライブ電子ボタン付けミシン [BE-438D]

ELECTRONIC DIRECT DRIVE LOCKSTITCH BUTTON SEWER [BE-438D]



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**brother**®

本縫ダイレクトドライブ電子門止ミシン  
ELECTRONIC DIRECT DRIVE LOCKSTITCH BAR TACKER



- ① — 1: 被服 / Ordinary materials  
— 2: デニム / Denim  
— 7: ファンデーション / Foundation garments

本縫ダイレクトドライブ電子ボタン付けミシン  
ELECTRONIC DIRECT DRIVE LOCKSTITCH BUTTON SEWER



## パーツブックご利用に際して

1. この本は、2005年1月のデータに基づいて作成されたものです。
2. 部品は予告なしに設計変更される場合があります。
3. 組単位で補給する部品は、破線で示してあります。
4. 部品コード欄が \* となっている場合は、仕様別部品一覧表及びゲージ部品一覧表でお調べ下さい。  
(47から51ページ)

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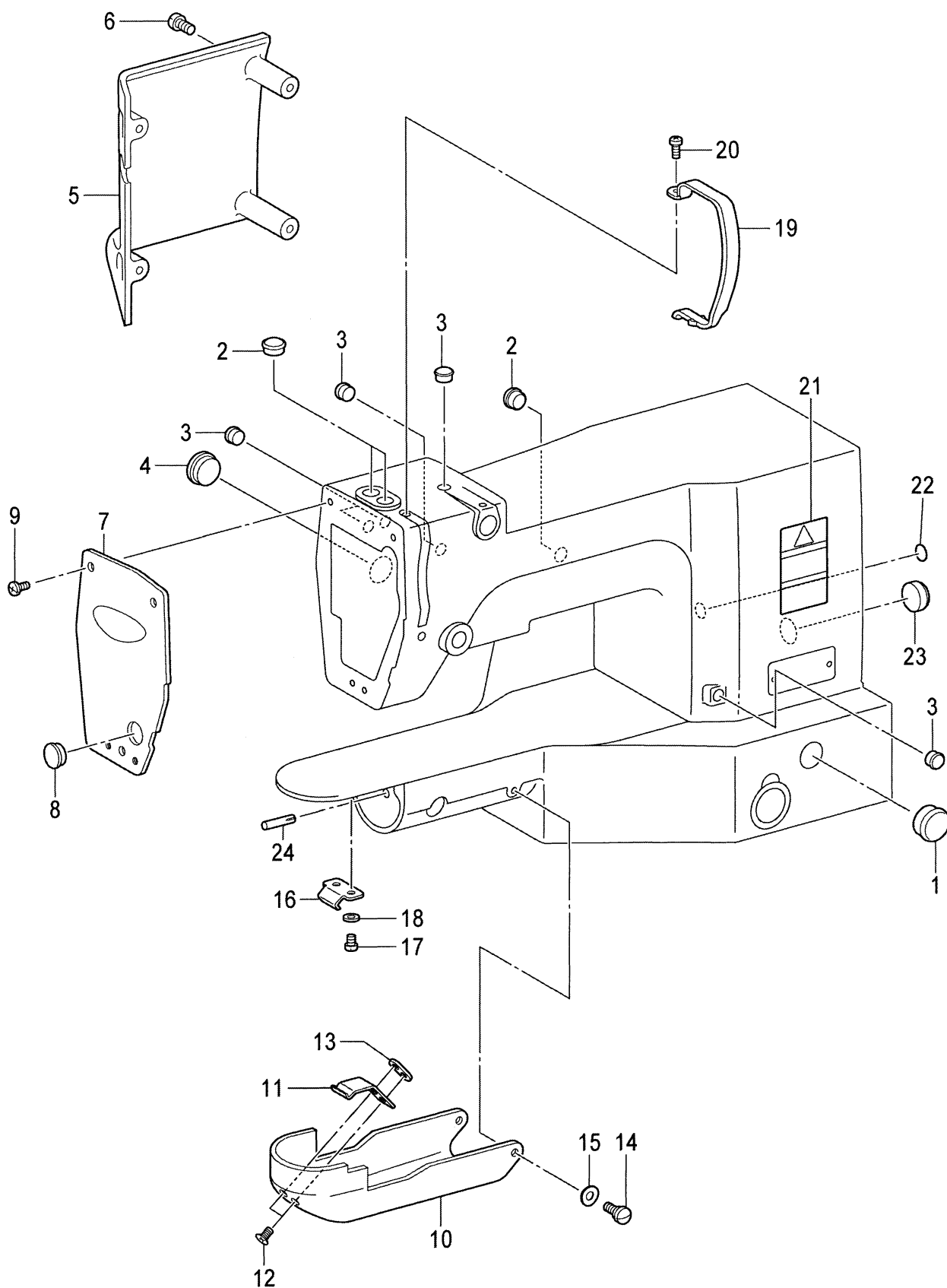
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## Notes for using this parts book

1. This book was prepared based on information available in January 2005.
2. Parts are subject to changes in design without prior notice.
3. Parts supplied as complete assemblies are circled by a dotted line .
4. If the symbol \* is found in the " Parts No." column, refer to the different parts lists, gauge parts list on page 47-51.

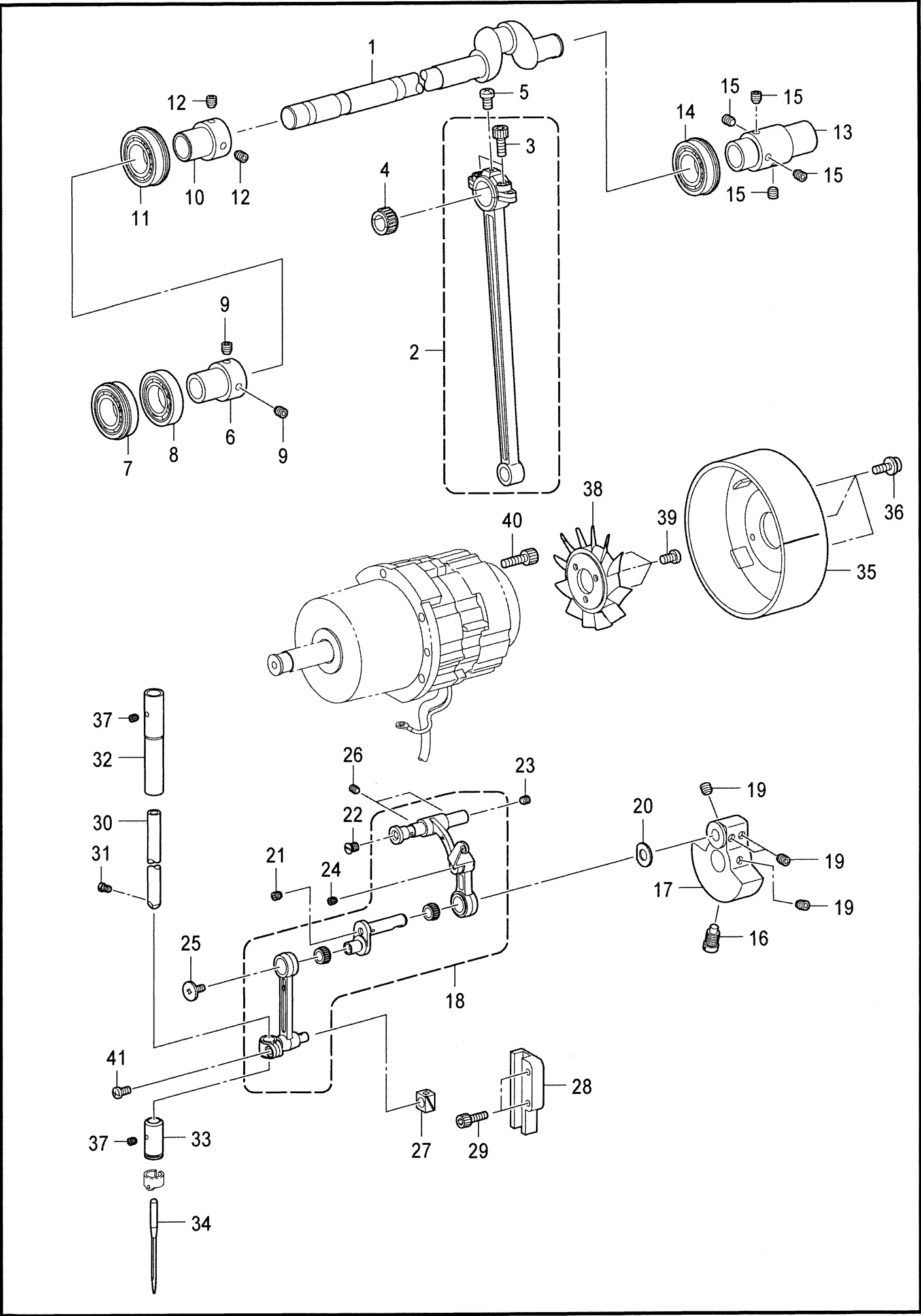
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## A. 主体関係 / Machine body

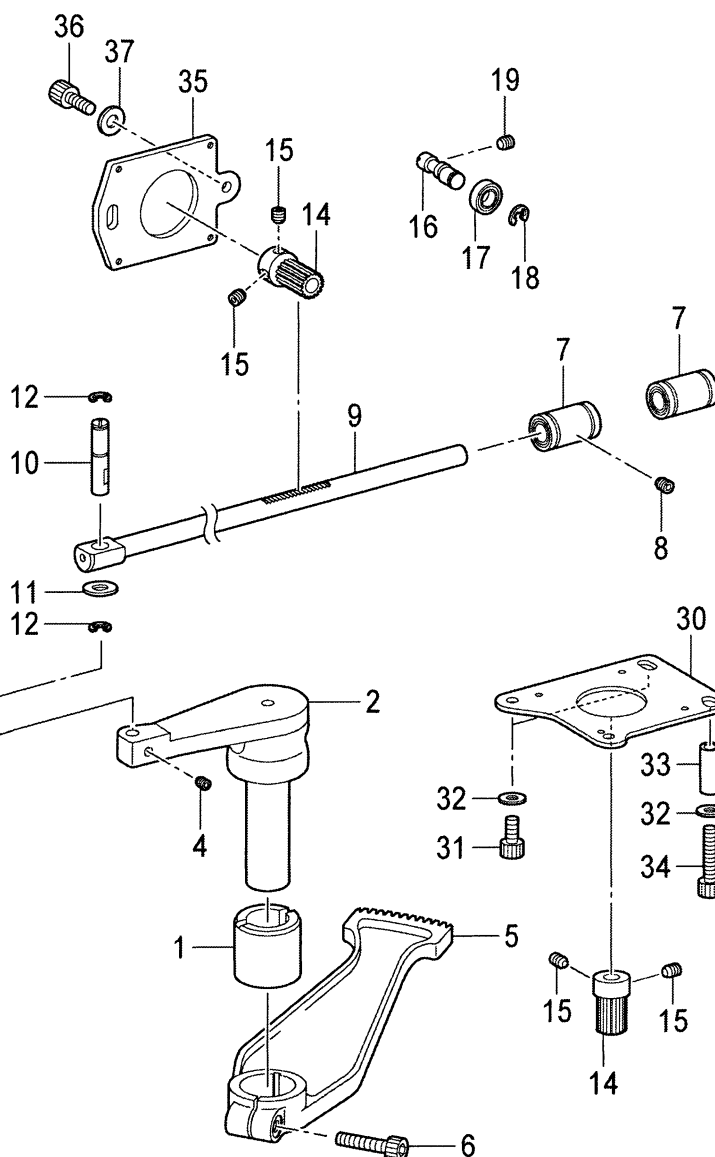
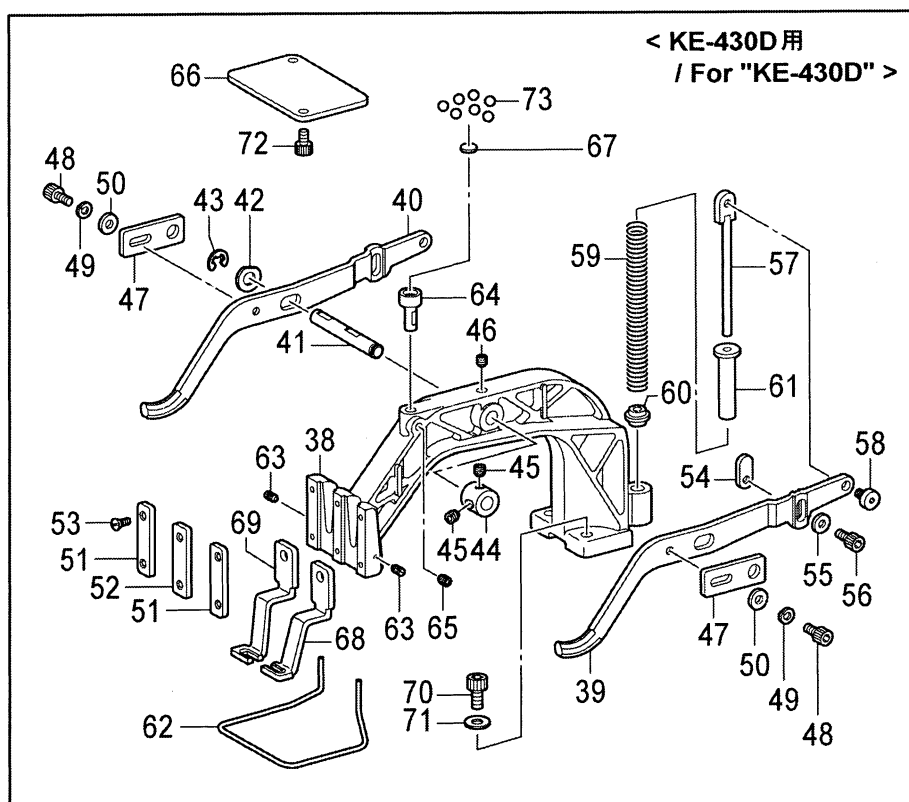
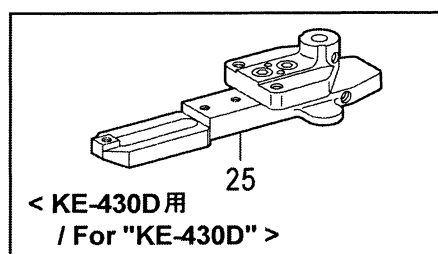
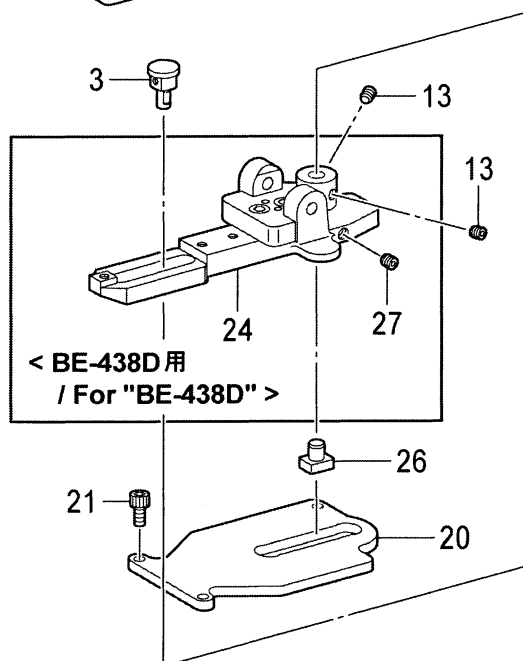
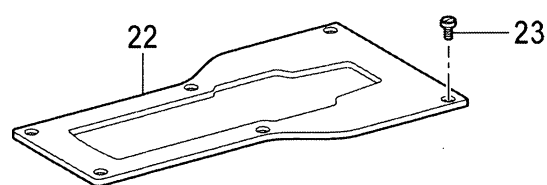
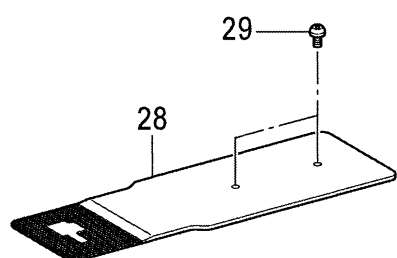
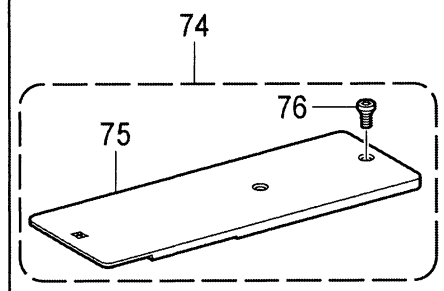
| REF.NO | CODE      | Q'TY | 品名            | NAME OF PARTS             | RM |
|--------|-----------|------|---------------|---------------------------|----|
| 1      | 140392009 | 1    | オイルフタ         | OIL CAP                   |    |
| 2      | 117934001 | 3    | ゴムセン13.5      | RUBBER CAP, 13.5          |    |
| 3      | 104821001 | 5    | ゴムセン10.5      | RUBBER CAP, 10.5          |    |
| 4      | 140392009 | 1    | オイルフタ         | OIL CAP                   |    |
| 5      | SA3260001 | 1    | ソクメンカバー       | FRAME SIDE COVER          |    |
| 6      | 062061016 | 4    | ナベコ6X10       | SCREW, PAN M6X10          |    |
| 7      | SA3199001 | 1    | メンイタ          | FACE PLATE                |    |
| 8      | 104449001 | 1    | ゴムセン15.5      | RUBBER CAP, 15.5          |    |
| 9      | 062501016 | 3    | ナベコ5X10       | SCREW, PAN M5X10          |    |
| 10     | SA3262101 | 1    | オオカマカバー       | SHUTTLE RACE COVER        |    |
| 11     | SA3263001 | 1    | オオカマカバーフックD   | SHUTTLE RACE COVER HOOK D |    |
| 12     | 004300513 | 2    | +サラコ3X5       | SCREW, FLAT M3X5          |    |
| 13     | SA3264001 | 1    | イタナツト         | NUT PLATE                 |    |
| 14     | SA3265001 | 2    | ダンネジ8-2       | SHOULDER SCREW,8-2        |    |
| 15     | 109239002 | 2    | ナミバネザガネ       | WASHER, WAVE SPRING       |    |
| 16     | SA3266001 | 1    | オオカマカバーフックU   | SHUTTLE RACE COVER HOOK U |    |
| 17     | 062300416 | 2    | ナベコ3X4        | SCREW, PAN M3X4           |    |
| 18     | 025030236 | 2    | ヒラザガネチュウ3     | WASHER, PLAIN M 3         |    |
| 19     | SA3200101 | 1    | テンビンカバー       | THREAD TAKE-UP COVER      |    |
| 20     | 062401006 | 1    | ナベコ4X10       | SCREW, PAN M4X10          |    |
|        |           |      | <中国向以外>       | <Except for China>        |    |
| 21     | SA2040001 | 1    | ラベルチュウイ.ワエイ   | LABEL, CAUTION JPN/ENG    |    |
|        |           |      | <中国向>         | <For China Only>          |    |
| 21     | SA2041001 | 1    | ラベルチュウイ.チュウエイ | LABEL, CAUTION CHN/ENG    |    |
| 22     | S37060001 | 1    | ア-スマーク        | LABEL, GROUNDING          |    |
| 23     | S28044001 | 1    | ゴムセン20.8      | RUBBER CAP, 20.8          |    |
| 24     | 117608001 | 1    | ミゾツキピン        | DOWEL PIN                 |    |



## B. 上軸・針棒関係 / Upper shaft and needle bar mechanism

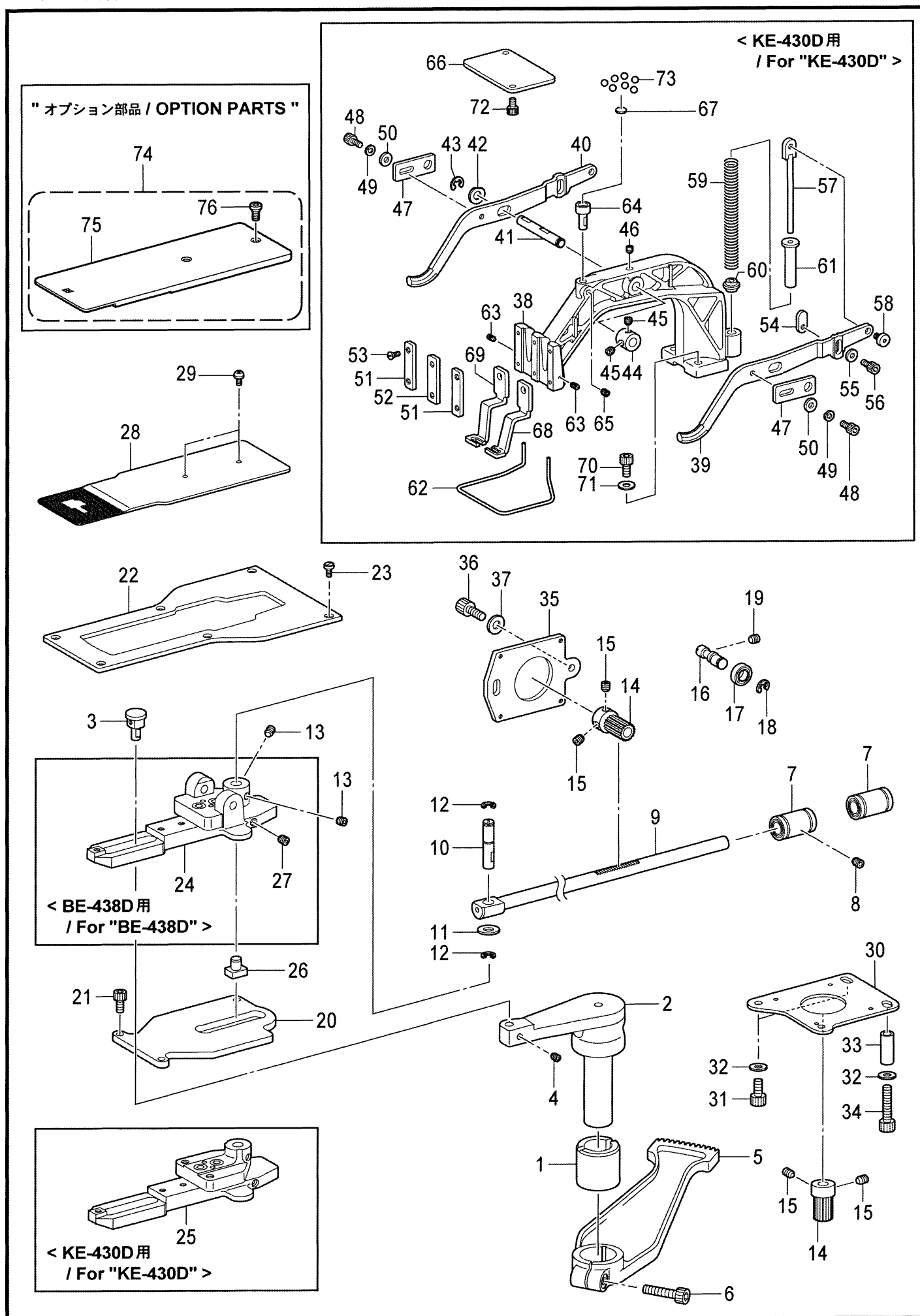
| REF.NO | CODE      | Q'TY | 品名              | NAME OF PARTS                | RM |
|--------|-----------|------|-----------------|------------------------------|----|
| 1      | SA3201001 | 1    | ウワジク            | UPPER SHUFT                  |    |
| 2      | SA3499001 | 1    | クランクロツドクミ       | CRANK ROD ASSY               |    |
| 3      | 018501636 | 2    | アナボルト5X16       | BOLT, SOCKET M5X16           |    |
| 4      | SA4172001 | 1    | ニードルベアリング       | NEEDLE BEARING               |    |
| 4      | SA4173001 | 1    | ニードルベアリング       | NEEDLE BEARING               |    |
| 4      | SA4174001 | 1    | ニードルベアリング       | NEEDLE BEARING               |    |
| 4      | SA4175001 | 1    | ニードルベアリング       | NEEDLE BEARING               |    |
| 5      | 062300416 | 1    | ナベコ3X4          | SCREW, PAN M3X4              |    |
| 6      | SA3206001 | 1    | ベアリングブツシュ       | BALL BEARING BUSH            |    |
| 7      | SA4179001 | 1    | タマジクウケ6904DDUNR | BALL BEARINH,6904DDUNR       |    |
| 8      | SA4180001 | 1    | Rタマジクウケ6904DDU  | BALL BEARING, RADIAL 6904DDU |    |
| 9      | S23651001 | 2    | アナヒラ6X6ホソメ      | SET SCREW, SOCKET (FT) M6X6  |    |
| 10     | SA3206001 | 1    | ベアリングブツシュ       | BALL BEARING BUSH            |    |
| 11     | SA4177001 | 1    | タマジクウケ6004DDUNR | BALL BEARING, 6004DDUNR      |    |
| 12     | S23651001 | 2    | アナヒラ6X6ホソメ      | SET SCREW, SOCKET (FT) M6X6  |    |
|        |           |      | <KE-430D用>      | <For KE-430D>                |    |
| 13     | SA3210001 | 1    | ツギテA            | JOINT,A                      |    |
|        |           |      | <BE-438D用>      | <For BE-438D>                |    |
| 13     | SA3589001 | 1    | ツギテB            | JOINT,B                      |    |
| 14     | SA4178001 | 1    | タマジクウケ6204DDUNR | BALL BEARING 6204DDUNR       |    |
| 15     | S23651001 | 4    | アナヒラ6X6ホソメ      | SET SCREW, SOCKET (FT) M6X6  |    |
| 16     | S25235001 | 1    | シメネジ8           | SCREW, M8                    |    |
|        |           |      | <KE-430D用>      | <For KE-430D>                |    |
| 17     | SA3497001 | 1    | ツリアイクランクC       | THREAD TAKE-UP CRANK,C       |    |
| 18     | SA4328001 | 1    | ハリボウレンカンCクミ     | THREAD TAKE-UP LEVER,C SET   |    |
|        |           |      | <BE-438D用>      | <For BE-438D>                |    |
| 17     | SA3591001 | 1    | ツリアイクランクB       | THREAD TAKE-UP CRANK,B       |    |
| 18     | SA4327001 | 1    | ハリボウレンカンBクミ     | THREAD TAKE-UP REVER,B SET   |    |
| 19     | S23651001 | 4    | アナヒラ6X6ホソメ      | SET SCREW, SOCKET (FT) M6X6  |    |
| 20     | 110367001 | 1    | ザガネ             | WASHER, PLAIN SPECIAL 8      |    |
| 21     | 012300336 | 1    | アナヒラ3X3         | SET SCREW, SOCKET (FT) M3X3  |    |
| 22     | SA2958001 | 1    | サラネジ5X6         | SCREW, FLAT M5X6             |    |
| 23     | 012500536 | 1    | アナヒラ5X5         | SET SCREW, SOCKET (FT) M5X5  |    |
| 24     | 012300336 | 1    | アナヒラ3X3         | SET SCREW, SOCKET (FT) M3X3  |    |
| 25     | 145465001 | 1    | シメネジ3.57L       | SCREW, SM3.57-40X6 L         |    |
| 26     | 012060636 | 2    | アナヒラ6X6         | SET SCREW, SOCKET (FT) M6X6  |    |
| 27     | SA3488001 | 1    | カクコマ            | SLIDE BLOCK                  |    |
| 28     | SA3528001 | 1    | カクコマアンナイB       | SLIDE BLOCK GUIDE            |    |
| 29     | 018401636 | 2    | アナボルト4X16       | BOLT, SOCKET M4X16           |    |
| 30     | SA3222001 | 1    | ハリボウA           | NEEDLE BAR,A                 |    |
| 31     | 144458001 | 1    | アタマツキメネジ3.57    | SET SCREW, SM3.57-40X4.5     |    |
| 32     | SA3223001 | 1    | ハリボウメタルU        | NEEDLE BAR BUSH,U            |    |
| 33     | SA3224001 | 1    | ハリボウメタルD        | NEEDLE BAR BUSH,D            |    |
| 34     | *         | 1    | ミシンハリ           | NEEDLE                       |    |
| 35     | SA3225101 | 1    | プーリ             | PULLEY                       |    |
| 36     | SA3025001 | 3    | ナベザクミ4X10DA     | SCREW,PAN(S/P WASHER)M4X10   |    |
| 37     | 012500536 | 2    | アナヒラ5X5         | SET SCREW, SOCKET (FT) M5X5  |    |
| 38     | S38713100 | 1    | ファン             | FAN                          |    |
| 39     | 062400806 | 3    | ナベコ4X8          | SCREW, PAN M4X8              |    |
| 40     | 018501636 | 4    | アナボルト5X16       | BOLT, SOCKET M5X16           |    |
| 41     | 062400816 | 1    | ナベコ4X8          | SCREW,PAN M4X8               |    |

" オプション部品 / OPTION PARTS "



## C. 送り関係 / Feed mechanism

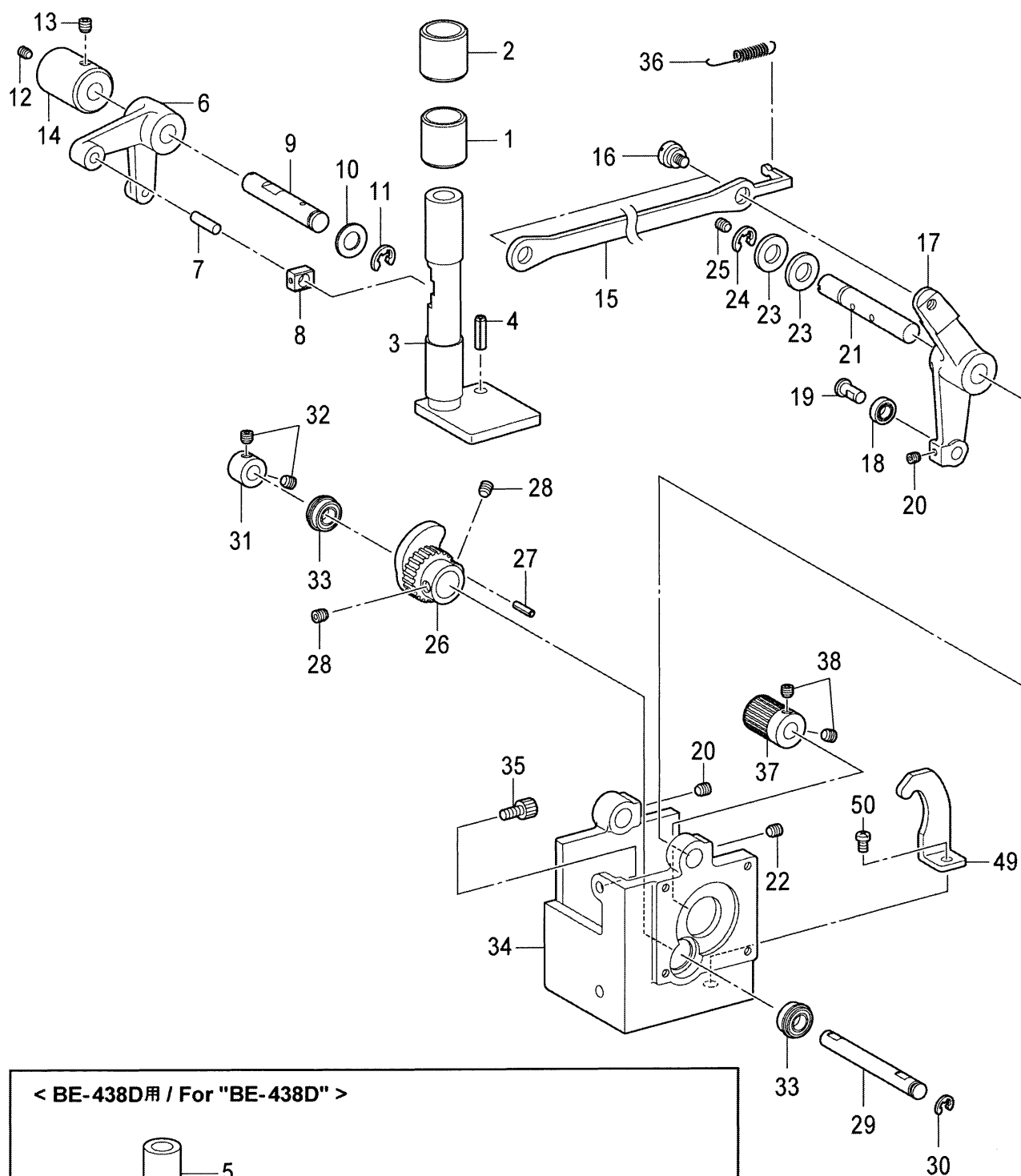
| REF.NO | CODE      | Q'TY | 品名           | NAME OF PARTS                 | RM |
|--------|-----------|------|--------------|-------------------------------|----|
| 1      | SA3363001 | 1    | Xオクリレバーメタル   | X-FEED LEVER BUSH             |    |
| 2      | SA3364001 | 1    | Xオクリレバー      | X-FEED LEVER                  |    |
| 3      | SA3533001 | 1    | Xオクリカクコマクミ   | T-LENGTH REGULATOR BLOCK ASSY |    |
| 4      | 012500536 | 1    | アナヒラ5X5      | SET SCREW, SOCKET (FT) M5X5   |    |
| 5      | SA3366001 | 1    | Xオクリギア       | X-FEED GEAR                   |    |
| 6      | 018063036 | 1    | アナボルト6X30    | BOLT, SOCKET M6X30            |    |
| 7      | XC5780001 | 2    | リニアブツシュ10    | BEARING 10 ,LINER             |    |
| 8      | 012060636 | 2    | アナヒラ6X6      | SET SCREW, SOCKET (FT) M6X6   |    |
| 9      | SA3367001 | 1    | Yラックジク       | Y-FEED RACK SHAFT             |    |
| 10     | SA3368001 | 1    | Yラックピン       | Y-CONNECTING PIN              |    |
| 11     | 153113001 | 1    | スラストザガネ      | THRUST WASHER                 |    |
| 12     | 048060342 | 2    | トメワE6        | RETAINING RING, E6            |    |
| 13     | 012060636 | 2    | アナヒラ6X6      | SET SCREW, SOCKET (FT) M6X6   |    |
| 14     | SA4197001 | 2    | オクリギア        | FEED GEAR                     |    |
| 15     | 012060636 | 4    | アナヒラ6X6      | SET SCREW, SOCKET (FT) M6X6   |    |
| 16     | SA3370001 | 1    | ヘンシンジク       | ECCENTRIC SHAFT               |    |
| 17     | 070608800 | 2    | Rタマジクウケ608ZZ | BALL BEARING, ARDIAL 608ZZ    |    |
| 18     | 048080142 | 1    | トメワジクヨウC8    | RETAINING RING, EXTERNAL C8   |    |
| 19     | 012060636 | 1    | アナヒラ6X6      | SET SCREW, SOCKET (FT) M6X6   |    |
| 20     | SA3371001 | 1    | オクリダイウケイタ    | FEED BAR SUPPORT PLATE        |    |
| 21     | 018401036 | 3    | アナボルト4X10    | BOLT, SOCKET M4X10            |    |
| 22     | SA3372001 | 1    | オクリダイカバー     | FEED BAR COVER                |    |
| 23     | SA3538001 | 6    | シメネジ4X8      | SCREW,M4X8                    |    |
|        |           |      | <BE-438D用>   | <For BE-438D>                 |    |
| 24     | SA3604001 | 1    | オクリダイコクミB    | FEED BAR SUB ASSY B           |    |
|        |           |      | <KE-430D用>   | <For KE-430D>                 |    |
| 25     | SA3373001 | 1    | オクリダイコクミA    | FEED BAR SUB ASSY A           |    |
| 26     | SA3534001 | 1    | Y オクリカクコマクミ  | T-WIDTH REGULATOR BROCK ASSY  |    |
| 27     | 012060636 | 1    | アナヒラ6X6      | SET SCREW, SOCKET (FT) M6X6   |    |
| 28     | *         | 1    | オクリイタ        | FEED PLATE                    |    |
| 29     | 153057101 | 2    | オクリイタシメネジ    | SCREW, ROUND W/SOCKET SM4.37  |    |
| 30     | SA3381001 | 1    | Xモータトリツケイタ   | X-MOTOR SETTING PLATE         |    |
| 31     | 018061236 | 2    | アナボルト6X12    | BOLT, SOCKET M6X12            |    |
| 32     | 025060236 | 3    | ヒラザガネチュウ6    | WASHER, PLAIN M 6             |    |
| 33     | SA3708001 | 1    | カラー          | COLLAR                        |    |
| 34     | 018063536 | 1    | アナボルト6X35    | BOLT,SOCKET M6X35             |    |
| 35     | SA3382001 | 1    | Yモータトリツケイタ   | Y-MOTOR SETTING PLATE         |    |
| 36     | 018061236 | 2    | アナボルト6X12    | BOLT, SOCKET M6X12            |    |
| 37     | 025060236 | 2    | ヒラザガネチュウ6    | WASHER, PLAIN M 6             |    |
|        |           |      | <KE-430D用>   | <For KE-430D>                 |    |
| 38     | SA3419001 | 1    | オサエウデ        | WORK CLAMP ARM                |    |
| 39     | SA3420001 | 1    | QCオサエウデレバーR  | WORK CLAMP ARM LEVER,R        |    |
| 40     | SA3421001 | 1    | QCオサエウデレバーL  | WORK CLAMP ARM LEVER,L        |    |
| 41     | SA3422001 | 1    | QCオサエウデレバージク | WORK CLAMP ARM LEVER SHAFT    |    |
| 42     | 110367001 | 1    | ザガネ          | WASHER, PLAIN SPECIAL 8       |    |
| 43     | 048060346 | 1    | トメワE6        | RETAINING RING, E6            |    |
| 44     | SA3231001 | 1    | セツトカラーB      | SET SCREW COLLAR,B            |    |
| 45     | 012060536 | 2    | アナヒラ6X5      | SET SCREW, SOCKET (FT) M6X5   |    |
| 46     | 012500536 | 1    | アナヒラ5X5      | SET SCREW, SOCKET (FT) M5X5   |    |
| 47     | SA3423001 | 2    | Qクレバージクササエ   | WORK CLAMP LEVER SUPPORT      |    |
| 48     | 018500836 | 2    | アナボルト5X8     | BOLT, SOCKET M5X8             |    |
| 49     | 028050246 | 2    | バネザガネ2-5     | WASHER, SPRING 2-5            |    |
| 50     | 025050236 | 2    | ヒラザガネチュウ5    | WASHER, PLAIN M 5             |    |
| 51     | SA3424001 | 2    | オサエアシオサエイタA  | WORK CLAMP GUIDE BRACKET,A    |    |
| 52     | SA3425001 | 1    | オサエアシオサエイタB  | WORK CLAMP GUIDE BRACKET,B    |    |
| 53     | SA3426001 | 6    | オサエアシサラネジ3.5 | SCREW,FLAT M3.5               |    |
| 54     | SA3208001 | 2    | オサエウデレバーイタ   | WORK CLAMP ARM LEVER PLATE    |    |
| 55     | 146354002 | 2    | ザガネ          | WASHER, PLAIN 5               |    |
| 56     | 018500836 | 2    | アナボルト5X8     | BOLT, SOCKET M5X8             |    |
| 57     | SA3427101 | 2    | オサエバネアンナイロッド | SPRING GUIDE ROD              |    |



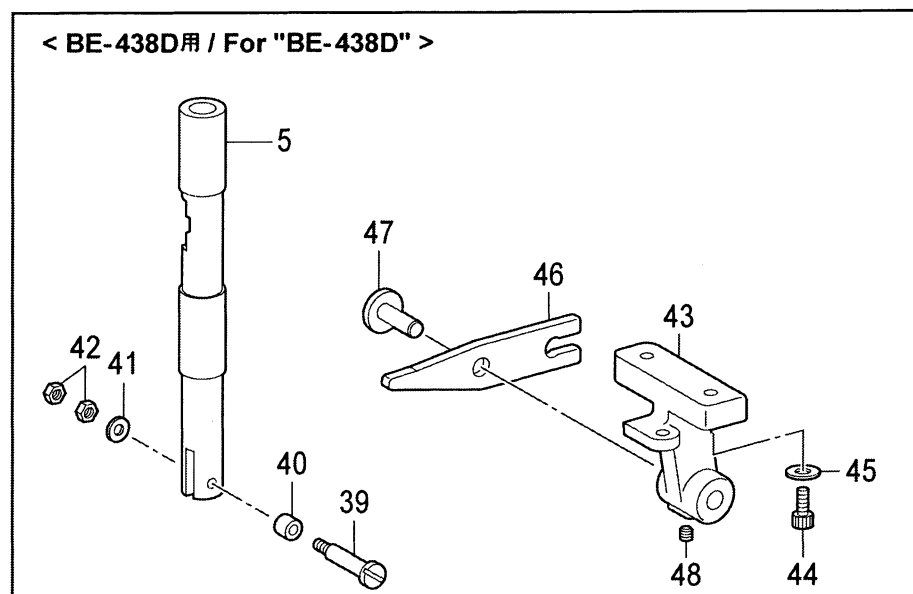
## C. 送り関係 / Feed mechanism

| REF.NO | CODE      | Q'TY | 品名           | NAME OF PARTS                  | RM |
|--------|-----------|------|--------------|--------------------------------|----|
|        |           |      | <KE-430D用>   | <For KE-430D>                  |    |
| 58     | SA1179002 | 2    | ダンネジ5        | SHOULDER SCREW, M5             |    |
| 59     | 153568001 | 2    | オサエバネA       | PRESSER SPRING, A              |    |
| 60     | 152788000 | 2    | オサエバネカンザ     | PRESSER SPRING SPACER          |    |
| 61     | 153567000 | 2    | オサエバネカラー     | PRESSER SPRING COLLAR          |    |
| 62     | SA4130001 | 1    | フィンガーガード     | FINGER GUARD                   |    |
| 63     | SA2626001 | 2    | トメネジ3.5      | SET SCREW, (CP) M3.5           |    |
| 64     | SA3428001 | 1    | オサエウデササエジク   | SUPPORT SHAFT,W-CLAMP          |    |
| 65     | 012500536 | 1    | アナヒラ5X5      | SET SCREW, SOCKET (FT) M5X5    |    |
| 66     | SA3487001 | 1    | オサエウデササエイタ   | WORK CLAMP ARM SUPPORT PLATE   |    |
| 67     | SA4145001 | 1    | オサエウデカンザ     | SPACER,W-CLAMP                 |    |
| 68     | *         | 1    | オサエアシR       | WORK CLAMP, RIGHT              |    |
| 69     | *         | 1    | オサエアシL       | WORK CLAMP, LEFT               |    |
| 70     | 018061636 | 2    | アナボルト6X16    | BOLT, SOCKET M6X16             |    |
| 71     | 025060236 | 2    | ヒラザガネチユウ6    | WASHER, PLAIN M 6              |    |
| 72     | 018400836 | 2    | アナボルト4X8     | BOLT, SOCKET M4X8              |    |
| 73     | 071031840 | 7    | コウキユウ1/8     | BEARING BALL, 1/8              |    |
|        |           |      | <オプション部品>    | <Option parts>                 |    |
| 74     | SA4198001 | 1    | ゲンテンキジュンイタクミ | H-POSITION STSNDARD PLATE,ASSY |    |
| 75     | S42903001 | 1    | ゲンテンキジュンイタ   | H-POSITION STSNDARD PLATE      |    |
| 76     | S49955101 | 2    | オクリイタシメネジ    | SCREW,W/SOCKET SM4.37          |    |

D. 押え上げ関係 / Work clamp lifter mechanism

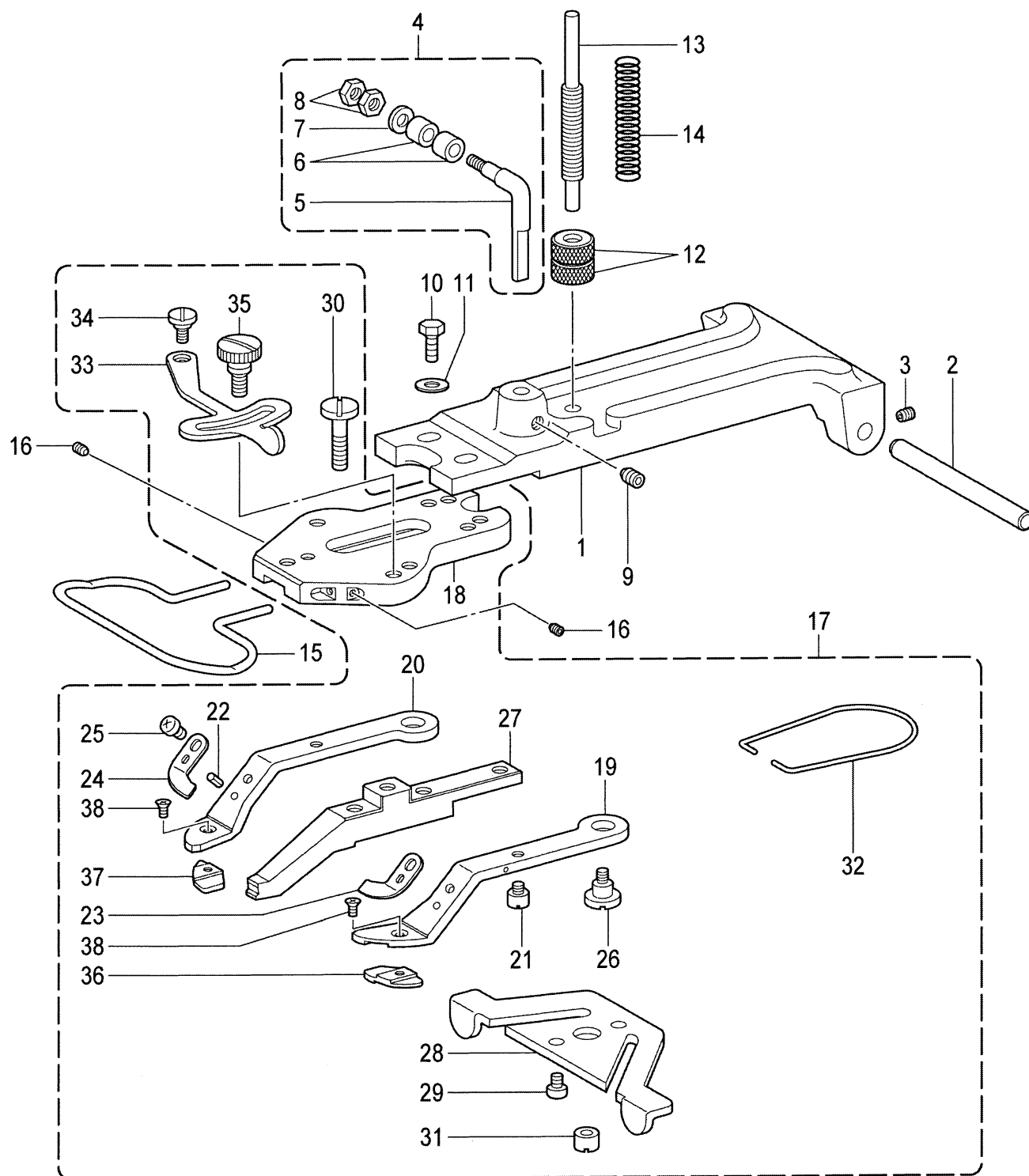


< BE-438D用 / For "BE-438D" >



## D. 押え上げ関係 / Work clamp lifter mechanism

| REF.NO | CODE      | Q'TY | 品名           | NAME OF PARTS                | RM |
|--------|-----------|------|--------------|------------------------------|----|
| 1      | SA3429001 | 1    | オサエアゲメタルD    | BUSHING,D                    |    |
| 2      | SA3430001 | 1    | オサエアゲメタルU    | BUSHING,U                    |    |
|        |           |      | <KE430D用>    | <For KE-430D>                |    |
| 3      | SA3432001 | 1    | オサエアゲオサエイタ   | WORK CLAMP LIFTER PLATE      |    |
| 4      | 047602042 | 1    | スプリングピンAW6   | PIN, SPRING ROLL AW6         |    |
|        |           |      | <BE-438D用>   | <For BE-438D>                |    |
| 5      | SA3628001 | 1    | ボタンツカミロッド    | BUTTON CLAMP ROD             |    |
| 6      | SA3434001 | 1    | オサエアゲレバー     | LIFTER LEVER                 |    |
| 7      | 152744001 | 1    | ヨコオクリカクコマピン  | PIN                          |    |
| 8      | 102630001 | 1    | ハリボウアンナイカクコマ | NEEDLE BAR GUIDE SLIDE BLOCK |    |
| 9      | SA3435001 | 1    | オサエアゲレバージク   | LEVER SHAFT                  |    |
| 10     | S20356001 | 1    | ヒラザガネ10      | WASHER, PLAIN 10             |    |
| 11     | 048080342 | 1    | トメワE8        | RETAINING RING, E8           |    |
| 12     | 012500536 | 1    | アナヒラ5X5      | SET SCREW, SOCKET (FT) M5X5  |    |
| 13     | 012060636 | 1    | アナヒラ6X6      | SET SCREW, SOCKET (FT) M6X6  |    |
| 14     | SA3436001 | 1    | オサエアゲレバーメタル  | W-CLAMP LIFTER LEVER BUSH    |    |
| 15     | SA3437001 | 1    | オサエアゲリンク     | LINK                         |    |
| 16     | SA3438001 | 2    | オサエアゲリンクダンネジ | LINK SHOULDER SCREW          |    |
| 17     | SA3439001 | 1    | オサエアゲクドウレバー  | DRIVE LEVER W-CLAMP LIFTER   |    |
| 18     | 070696800 | 1    | Rタマジクウケ696ZZ | BALL BEARING, RADIAL 696ZZ   |    |
| 19     | SA3441001 | 1    | オサエアゲコロジク    | W-CLAMP LIFTER ROLLER SHAFT  |    |
| 20     | 012500536 | 1    | アナヒラ5X5      | SET SCREW, SOCKET (FT) M5X5  |    |
| 21     | SA3442001 | 1    | オサエアゲカムレバージク | CAM LEVER SHAFT              |    |
| 22     | 012060636 | 2    | アナヒラ6X6      | SET SCREW, SOCKET (FT) M6X6  |    |
| 23     | S20356001 | 2    | ヒラザガネ10      | WASHER, PLAIN 10             |    |
| 24     | 048080342 | 1    | トメワE8        | RETAINING RING, E8           |    |
| 25     | 012500536 | 1    | アナヒラ5X5      | SET SCREW, SOCKET (FT) M5X5  |    |
| 26     | SA3443101 | 1    | オサエアゲカムギヤ    | CAM GEAR                     |    |
| 27     | 047301042 | 1    | スプリングピンAW3   | PIN, SPRING ROLL AW3         |    |
| 28     | 012060636 | 2    | アナヒラ6X6      | SET SCREW, SOCKET (FT) M6X6  |    |
| 29     | SA3444001 | 1    | オサエアゲカムジク    | CAM SHAFT                    |    |
| 30     | 048060346 | 1    | トメワE6        | RETAINING RING, E6           |    |
| 31     | SA3231001 | 1    | セツトカラ-B      | SET SCREW COLLAR,B           |    |
| 32     | 012060536 | 2    | アナヒラ6X5      | SET SCREW, SOCKET (FT) M6X5  |    |
| 33     | 070688850 | 2    | Rタマジクウケ688ZZ | BALL BEARING, RADIAL 688ZZ   |    |
| 34     | SA3445001 | 1    | モータブラケット     | MOTOR BRACKET                |    |
| 35     | 018061236 | 2    | アナボルト6X12    | BOLT, SOCKET M6X12           |    |
| 36     | SA3446001 | 1    | オサエアゲバネ      | SPRING                       |    |
| 37     | SA3707001 | 1    | クドウギヤ16      | GEAR 16                      |    |
| 38     | 012060536 | 2    | アナヒラ6X5      | SET SCREW, SOCKET (FT) M6X5  |    |
|        |           |      | <BE-438D用>   | <For BE-438D>                |    |
| 39     | SA3629001 | 1    | ボタンツカミコロジク   | BUTTON CLAMP ROLLER SHAFT    |    |
| 40     | 107744001 | 1    | コロ           | ROLLER                       |    |
| 41     | 025040236 | 1    | ヒラザガネチユウ4    | WASHER, PLAIN M 4            |    |
| 42     | 021400216 | 2    | 2シュナツト4      | NUT, 2 M4                    |    |
| 43     | SA3630001 | 1    | ボタンツカミレバーホルダ | BUTTON CLAMP LEVER HOLDER    |    |
| 44     | 018061636 | 2    | アナボルト6X16    | BOLT, SOCKET M6X16           |    |
| 45     | 025060236 | 2    | ヒラザガネチユウ6    | WASHER, PLAIN M 6            |    |
| 46     | SA3631001 | 1    | ボタンツカミレバー    | BUTTON CLAMP LEVER           |    |
| 47     | 153838001 | 1    | ボタンツカミレバジク   | BUTTON CLAMP LEVER SHAFT     |    |
| 48     | 012060636 | 1    | アナヒラ6X6      | SET SCREW, SOCKET (FT) M6X6  |    |
| 49     | SA4072001 | 1    | オサエアゲカムストッパ  | STOPPER                      |    |
| 50     | 062061016 | 1    | ナベコ6X10      | SCREW, PAN M6X10             |    |

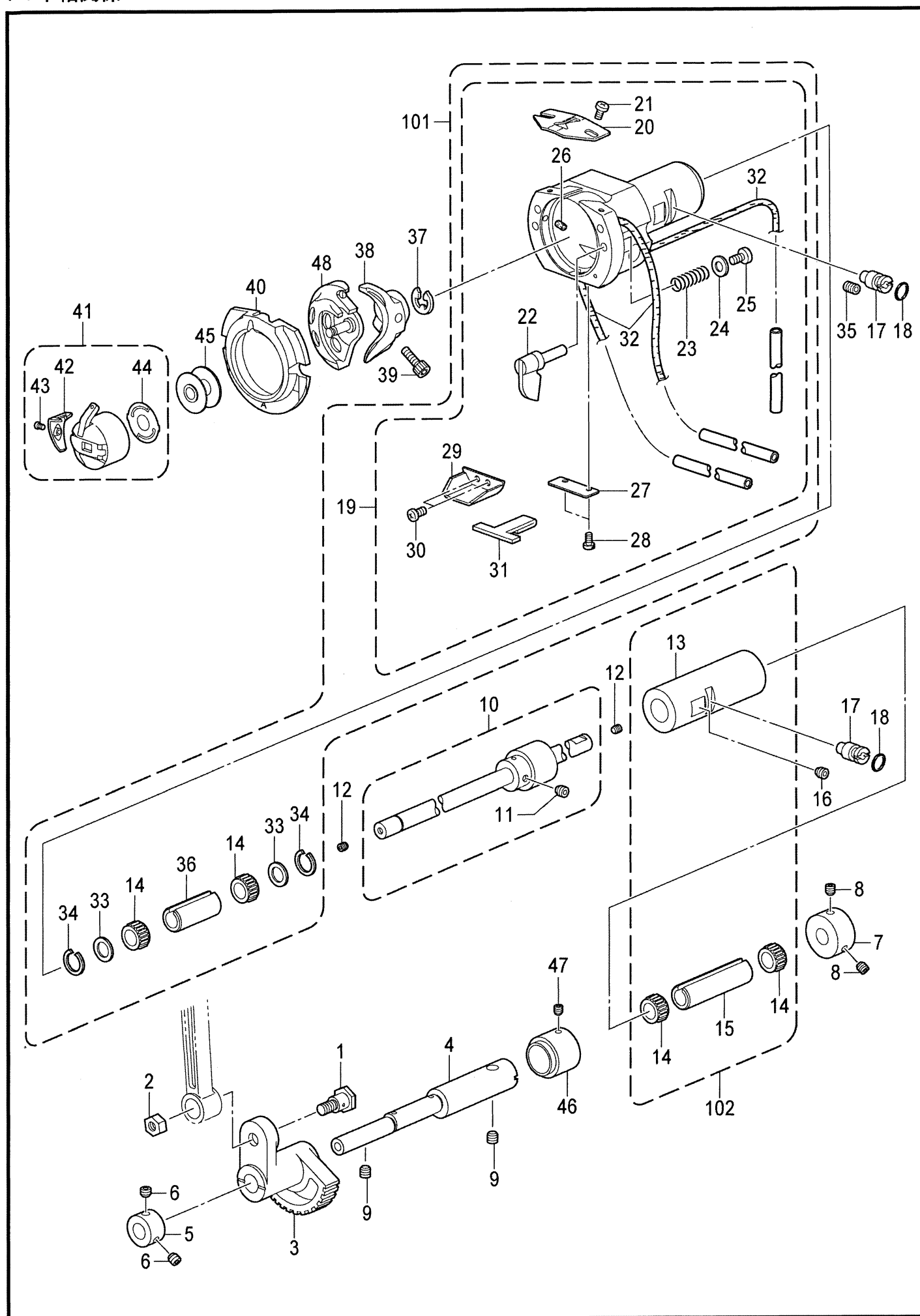


" オプション部品 / OPTION PARTS "



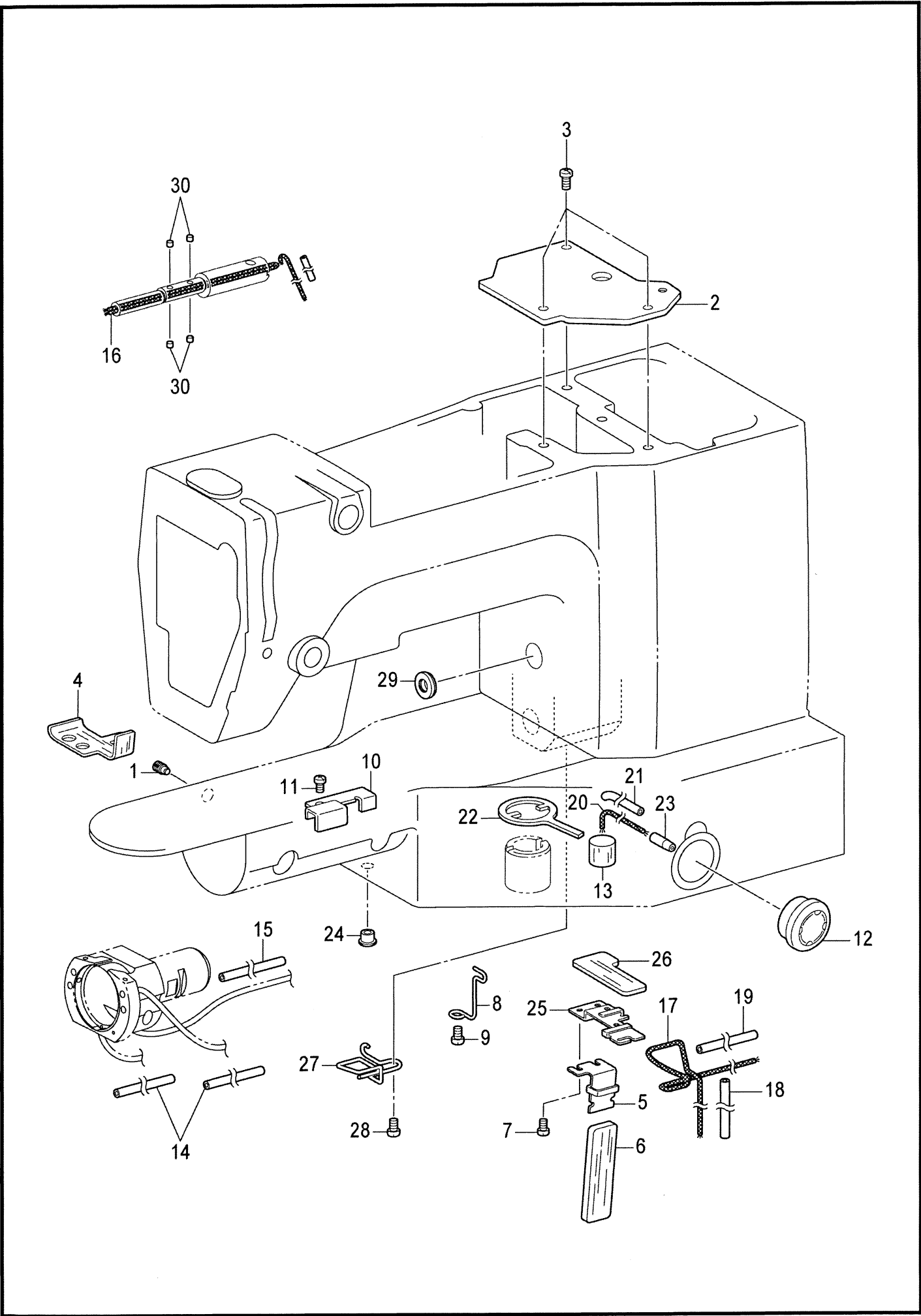
## E. ボタンつかみ・作動関係 / Button clamp mechanism

| REF.NO | CODE      | Q'TY | 品名            | NAME OF PARTS                 | RM |
|--------|-----------|------|---------------|-------------------------------|----|
|        |           |      | <BE-438D用>    | <For BE-438D>                 |    |
| 1      | 153830000 | 1    | ボタンツカミホルダー    | BUTTON CLAMP HOLDER           |    |
| 2      | 153827001 | 1    | ボタンツカミホルダージク  | BUTTON CLAMP HOLDER SHAFT     |    |
| 3      | 014680632 | 2    | アナクボミ437-40X6 | SET SCREW, SOCKET SM4.37-40X6 |    |
| 4      | 151968001 | 1    | ボタンホルダーフツククミ  | BUTTON CLAMP HOLDER HOOK ASSY |    |
| 5      | 151969001 | 1    | ボタンホルダーフツク    | B-CLAMP HOLDER HOOK           |    |
| 6      | 107744001 | 2    | コロ            | ROLLER                        |    |
| 7      | 153484001 | 1    | ザガネ4.76       | WASHER, PLAIN 4.76            |    |
| 8      | 105234003 | 2    | ナット4.37       | NUT SM4.37                    |    |
| 9      | 014760632 | 1    | アナクボミ595-28X6 | SET SCREW, SOCKET SM5.95-28X6 |    |
| 10     | 017711412 | 2    | ボルト476-32X14  | BOLT, SM4.76-32X14            |    |
| 11     | 146354001 | 2    | ザガネ           | WASHER, PLAIN 5               |    |
| 12     | 146994001 | 2    | オサエバネチヨウシネジ   | NUT, ROUND SM6.35-40          |    |
| 13     | 115148101 | 1    | オサエバネチヨウセツネジ  | ADJUSTING SCREW, SM6.35-40    |    |
| 14     | 115147001 | 1    | ボタンツカミオサエオシバネ | COMPRESSION SPRING            |    |
| 15     | S49998001 | 1    | フィンガーガード      | FINGER GUARD                  |    |
| 16     | 011679312 | 2    | トメネジ3.57ヒラ    | SET SCREW, (FT) SM3.57        |    |
| 17     | S59315001 | 1    | ボタンツカミ2Aクミ    | BUTTON CLAMP ASSY, 2A         |    |
| 18     | S52093001 | 1    | ボタンツカミタイ      | BUTTON CLAMP BASE             |    |
| 19     | S59316001 | 1    | ボタンツカミ2AL     | BUTTON CLAMP, 2AL             |    |
| 20     | S59317001 | 1    | ボタンツカミ2AR     | BUTTON CLAMP, 2AR             |    |
| 21     | 115156001 | 2    | ボタンツカミアンナイピン  | BUTTON CLAMP GUIDE PIN        |    |
| 22     | 047250642 | 2    | スプリングピンAW2.5  | PIN, SPRING ROLL AW2.5        |    |
| 23     | S59318001 | 1    | ボタンツカミ2ALイタバネ | BUTTON CLAMP 2AL PLATE SPRING |    |
| 24     | S59319001 | 1    | ボタンツカミ2ARイタバネ | BUTTON CLAMP 2AR PLATE SPRING |    |
| 25     | 062680512 | 2    | ナベコ437-40X5   | SCREW, PAN SM4.37-40X5        |    |
| 26     | 115158001 | 2    | ダンネジ4.76      | SHOULDER SCREW, SM4.76        |    |
| 27     | S59320001 | 1    | ボタンツカミ2AM     | BUTTON CLAMP, 2AM             |    |
| 28     | S03659001 | 1    | ボタンツカミイタカム    | BUTTON CLAMP PLATE CAM        |    |
| 29     | 062680812 | 2    | ナベコ437-40X8   | SCREW, PAN SM4.37-40X8        |    |
| 30     | S03468101 | 1    | シメネジ4.37      | SCREW, SM4.37                 |    |
| 31     | S03657001 | 1    | マルナット4.37     | NUT, ROUND SM4.37             |    |
| 32     | S59321001 | 1    | ボタンツカミバネ      | SPRING                        |    |
| 33     | 115164101 | 1    | ボタンツカミチヨウセツイタ | BUTTON CLAMP ADJUSTING PLATE  |    |
| 34     | 115165001 | 1    | ダンネジ4.37      | SHOULDER SCREW, SM4.37        |    |
| 35     | 115166001 | 1    | ダンネジ4.37      | SHOULDER SCREW, SM4.37        |    |
| 36     | S52072001 | 1    | ボタンツカミスペーサBL  | BUTTON CLAMP SPACER, BL       |    |
| 37     | S52076001 | 1    | ボタンツカミスペーサBR  | BUTTON CLAMP SPACER, BR       |    |
| 38     | S01694001 | 2    | サラネジ2.38X4    | SCREW, FLAT SM2.38X4          |    |
|        |           |      | "オプション部品"     | "OPTION PARTS"                |    |
| 39     | S52071001 | 1    | ボタンツカミスペーサAL  | BUTTON CLAMP SPACER, AL       |    |
| 40     | S52075001 | 1    | ボタンツカミスペーサAR  | BUTTON CLAMP SPACER, AR       |    |
| 41     | S52072001 | 1    | ボタンツカミスペーサBL  | BUTTON CLAMP SPACER, BL       |    |
| 42     | S52076001 | 1    | ボタンツカミスペーサBR  | BUTTON CLAMP SPACER, BR       |    |
| 43     | S52073001 | 1    | ボタンツカミスペーサCL  | BUTTON CLAMP SPACER, CL       |    |
| 44     | S52077001 | 1    | ボタンツカミスペーサCR  | BUTTON CLAMP SPACER, CR       |    |
| 45     | S52074001 | 1    | ボタンツカミスペーサDL  | BUTTON CLAMP SPACER, DL       |    |
| 46     | S52078001 | 1    | ボタンツカミスペーサDR  | BUTTON CLAMP SPACER, DR       |    |



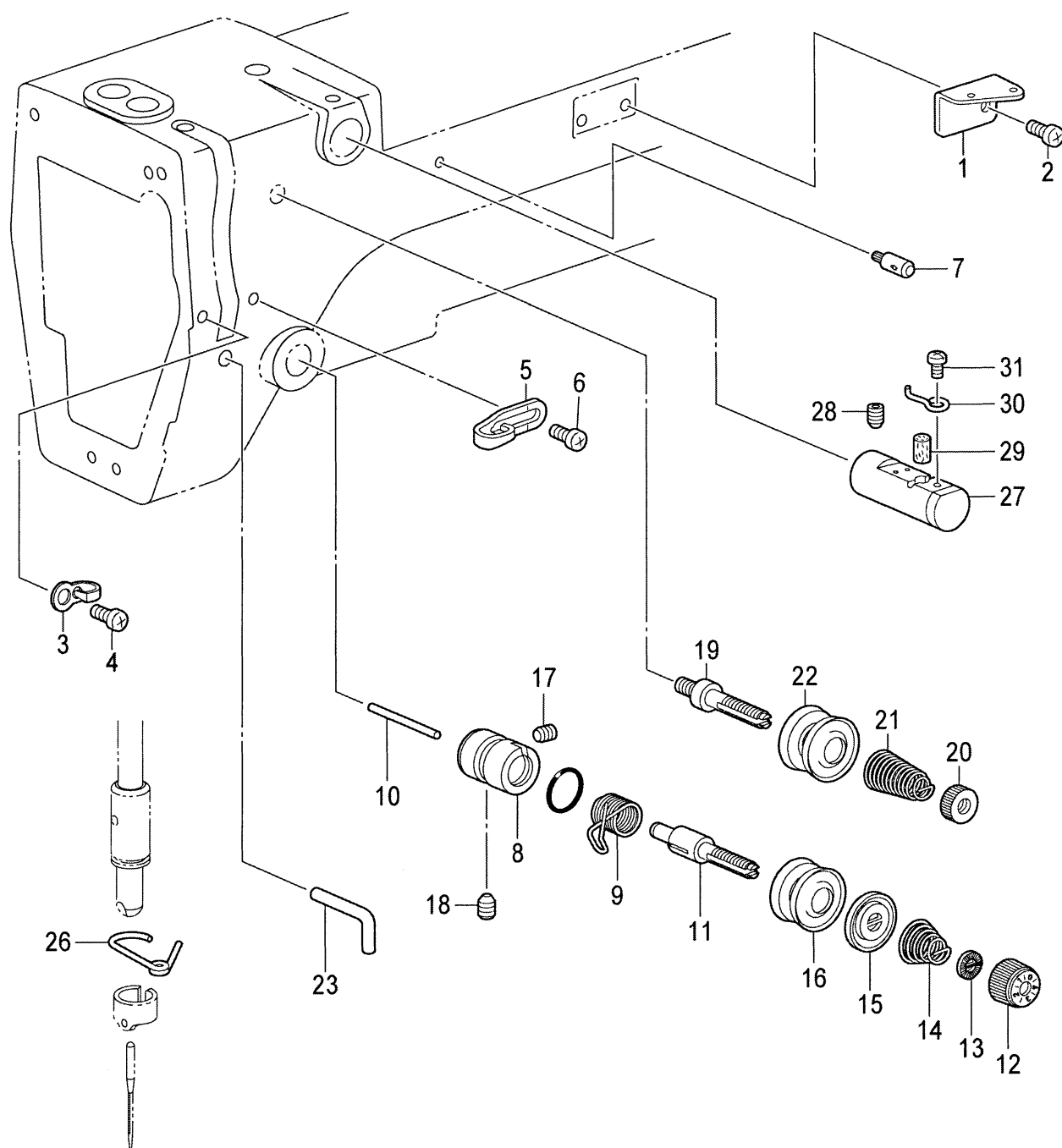
## F. 下軸関係 / Lower shaft mechanism

| REF.NO | CODE      | Q'TY | 品名           | NAME OF PARTS               | RM |
|--------|-----------|------|--------------|-----------------------------|----|
| 1      | SA3226001 | 1    | クランクロッドダンネジ  | SHOULDER SCREW              |    |
| 2      | SA3227001 | 1    | ナット6ホソメ      | NUT(FT),M6                  |    |
| 3      | SA3228101 | 1    | ヨウドウギヤ       | ROCK GEAR                   |    |
| 4      | SA4068101 | 1    | ヨウドウギヤジクA    | ROCK GEAR SHAFT,A           |    |
| 5      | SA3231001 | 1    | セツトカラー-B     | SET SCREW COLLAR,B          |    |
| 6      | 012060536 | 2    | アナヒラ6X5      | SET SCREW, SOCKET (FT) M6X5 |    |
| 7      | SA3233001 | 1    | セツトカラー       | SET SCREW COLLAR            |    |
| 8      | S23651001 | 2    | アナヒラ6X6ホソメ   | SET SCREW, SOCKET (FT) M6X6 |    |
| 9      | 012060636 | 2    | アナヒラ6X6      | SET SCREW, SOCKET (FT) M6X6 |    |
| 10     | SA3234001 | 1    | シタジククミ       | LOWER SHAFT ASSY            |    |
| 11     | 012500536 | 1    | アナヒラ5X5      | SET SCREW, SOCKET (FT) M5X5 |    |
| 12     | 012400436 | 2    | アナヒラ4X4      | SET SCREW, SOCKET (FT) M4X4 |    |
| 13     | SA3237001 | 1    | シタジクメタル      | LOWER SHAFT BUSH            |    |
| 14     | SA4187001 | 4    | ニードルベアリング    | NEEDLE BEARING              |    |
| 14     | SA4188001 | 4    | ニードルベアリング    | NEEDLE BEARING              |    |
| 14     | SA4189001 | 4    | ニードルベアリング    | NEEDLE BEARING              |    |
| 14     | SA4190001 | 4    | ニードルベアリング    | NEEDLE BEARING              |    |
| 15     | SA3273001 | 1    | シタジクカラー      | LOWER SHAFT COLLAR          |    |
| 16     | 012060636 | 1    | アナヒラ6X6      | SET SCREW, SOCKET (FT) M6X6 |    |
| 17     | SA3238101 | 2    | カマチヨウセツジク    | ADJUSTING STUD              |    |
| 18     | 081003670 | 2    | OリングPW3      | O RING, PW3                 |    |
| 19     | SA3239101 | 1    | オオカマタイクミ     | SHUTTLE RACE BASE ASSY      |    |
| 20     | S02429201 | 1    | カマイトアンナイ     | SHUTTLE RACE THREAD GUIDE   |    |
| 21     | SA4199001 | 2    | シメネジ3X4      | SCREW, M3X4                 |    |
| 22     | SA3241001 | 2    | オオカマトリツケツメ   | S-RACE BASE SETTING CLAW    |    |
| 23     | 152684101 | 2    | オオカマトリツケバネ   | COMPRESSION SPRING          |    |
| 24     | 026030136 | 2    | ヒラザガネコガタ3    | WASHER, PLAIN S 3           |    |
| 25     | 062300616 | 2    | ナベコ3X6       | SCREW, PAN M3X6             |    |
| 26     | 153050000 | 2    | オオカマタイフエルト   | S-RACE BASE FELT            |    |
| 27     | SA3242001 | 1    | フエルトササエ      | FELT HOLDER                 |    |
| 28     | S44924001 | 2    | シメネジM3X5.5   | SCREW, M3X5.5               |    |
| 29     | SA3274101 | 1    | フエルトオサエ      | FELT HOLDER                 |    |
| 30     | S47307001 | 2    | シメネジ3X4      | SCREW, M3X4                 |    |
| 31     | SA3275001 | 1    | ハイユフエルトT     | FELT,T                      |    |
| 32     | S59886001 | 3    | フエルト         | FELT, L=360                 |    |
| 33     | SA3276001 | 2    | スベ-サA        | SPACER,A                    |    |
| 34     | SA3277001 | 2    | トメワ          | RETAINING RING              |    |
| 35     | 012060636 | 1    | アナヒラ6X6      | SET SCREW, SOCKET (FT) M6X6 |    |
| 36     | SA3278001 | 1    | カラー          | COLLAR                      |    |
| 37     | 048070342 | 1    | トメワE7        | RETAINING RING, E7          |    |
| 38     | SA3284001 | 1    | ドライバー-D      | DRIVER,D                    |    |
| 39     | 018501232 | 1    | アナボルト5X12    | BOLT, SOCKET M5X12          |    |
| 40     | *         | 1    | オオカマ         | SHUTTLE RACE BASE           |    |
| 41     | *         | 1    | ボビンケースクミ     | BOBBIN CASE ASSY            |    |
| 42     | *         | 1    | ボビンケースチヨウシバネ | TENSION SPRING              |    |
| 43     | *         | 1    | ボビンケースバネネジ   | SCREW                       |    |
| 44     | *         | 1    | クウテンボウシバネ    | ANTI-SPIN SPRING            |    |
| 45     | *         | 1    | ボビン          | BOBBIN                      |    |
| 46     | SA3283101 | 1    | セツトカラー-R     | SET SCREW COLLAR,R          |    |
| 47     | 012500536 | 1    | アナヒラ5X5      | SET SCREW, SOCKET (FT) M5X5 |    |
| 48     | *         | 1    | ナカガマハコクミ     | SHUTTLE HOOK ASSY,W/BOX     |    |
| 101    | SA6128001 | 1    | オオカマタイセット    | SHUTTLE RACE BASE SET       |    |
| 102    | SA6129001 | 1    | シタジクメタルクミ    | LOWER SHAFT BUSH ASSY       |    |

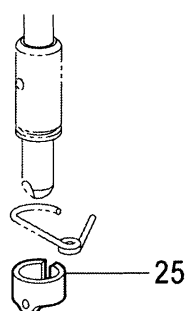


## G. 給油潤滑関係 / Lubrication

| REF.NO | CODE      | Q'TY | 品名          | NAME OF PARTS            | RM |
|--------|-----------|------|-------------|--------------------------|----|
| 1      | SA3244001 | 1    | トメネジ        | SET SCREW                |    |
| 2      | SA3245001 | 1    | クランクカバー     | CRANK COVER              |    |
| 3      | 062061016 | 3    | ナベコ6X10     | SCREW, PAN M6X10         |    |
| 4      | SA3279001 | 1    | スィアゲフエルト    | FELT                     |    |
| 5      | SA3503201 | 1    | シタジクキュウユササエ | LOWER SHAFT WICK SUPPORT |    |
| 6      | SA3504201 | 1    | シタジクギヤフエルト  | LOWER SHAFT GEAR FELT    |    |
| 7      | 062400616 | 2    | ナベコ4X6      | SCREW, PAN M4X6          |    |
| 8      | SA3282001 | 1    | コードササエカネA   | CORD HOLDER,A            |    |
| 9      | 062060816 | 1    | ナベコ6X8      | SCREW, PAN M6X8          |    |
| 10     | SA3249001 | 1    | ビニルチューブササエ  | OIL TUBE SUPPORT         |    |
| 11     | 062400616 | 1    | ナベコ4X6      | SCREW, PAN M4X6          |    |
| 12     | S49992000 | 1    | オイルポットマド    | OIL GAUGE WINDOW         |    |
| 13     | SA3379001 | 1    | タンクフエルト     | FELT                     |    |
| 14     | S50529000 | 2    | ビニルチューブ     | OIL TUBE, L=320          |    |
| 15     | S28415000 | 1    | ビニルチューブ     | OIL TUBE (L=225)         |    |
| 16     | S45849000 | 1    | クミヒモ        | WICK, L=300              |    |
| 17     | 153922001 | 1    | クミヒモ        | WICK, L=500              |    |
| 18     | SA1302001 | 1    | ビニルチューブ     | VINYL TUBE               |    |
| 19     | S56877000 | 1    | ビニルチューブ     | OIL TUBE                 |    |
| 20     | S59886001 | 1    | フエルト        | FELT, L=360              |    |
| 21     | 143671000 | 1    | ビニルチューブ     | OIL TUBE                 |    |
| 22     | SA3287001 | 1    | Xオクリレバーフエルト | X-FEED LEVER FELT        |    |
| 23     | S07333001 | 1    | オイルクチパイプS   | OIL FEEDING PIPE, S      |    |
| 24     | 146080000 | 1    | コードブシュ      | CORD BUSH                |    |
| 25     | SA3246001 | 1    | ギヤキュウユササエ   | GEAR WICK SUPPORT        |    |
| 26     | SA3280001 | 1    | ギヤフエルト      | GEAR FELT                |    |
| 27     | SA4221001 | 1    | コードササエカネB   | CORD HOLDER,B            |    |
| 28     | 062060816 | 1    | ナベコ6X8      | SCREW,PAN M6X8           |    |
| 29     | SA4222001 | 1    | フエルトシール     | FELT                     |    |
| 30     | 153050000 | 4    | オオカマタイフエルト  | S-RACE BASE FELT         |    |

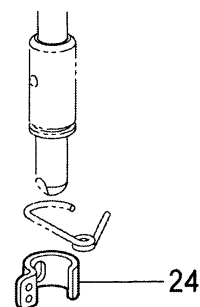


< KE-430D デニム用 / For "KE-430D "Denim" >



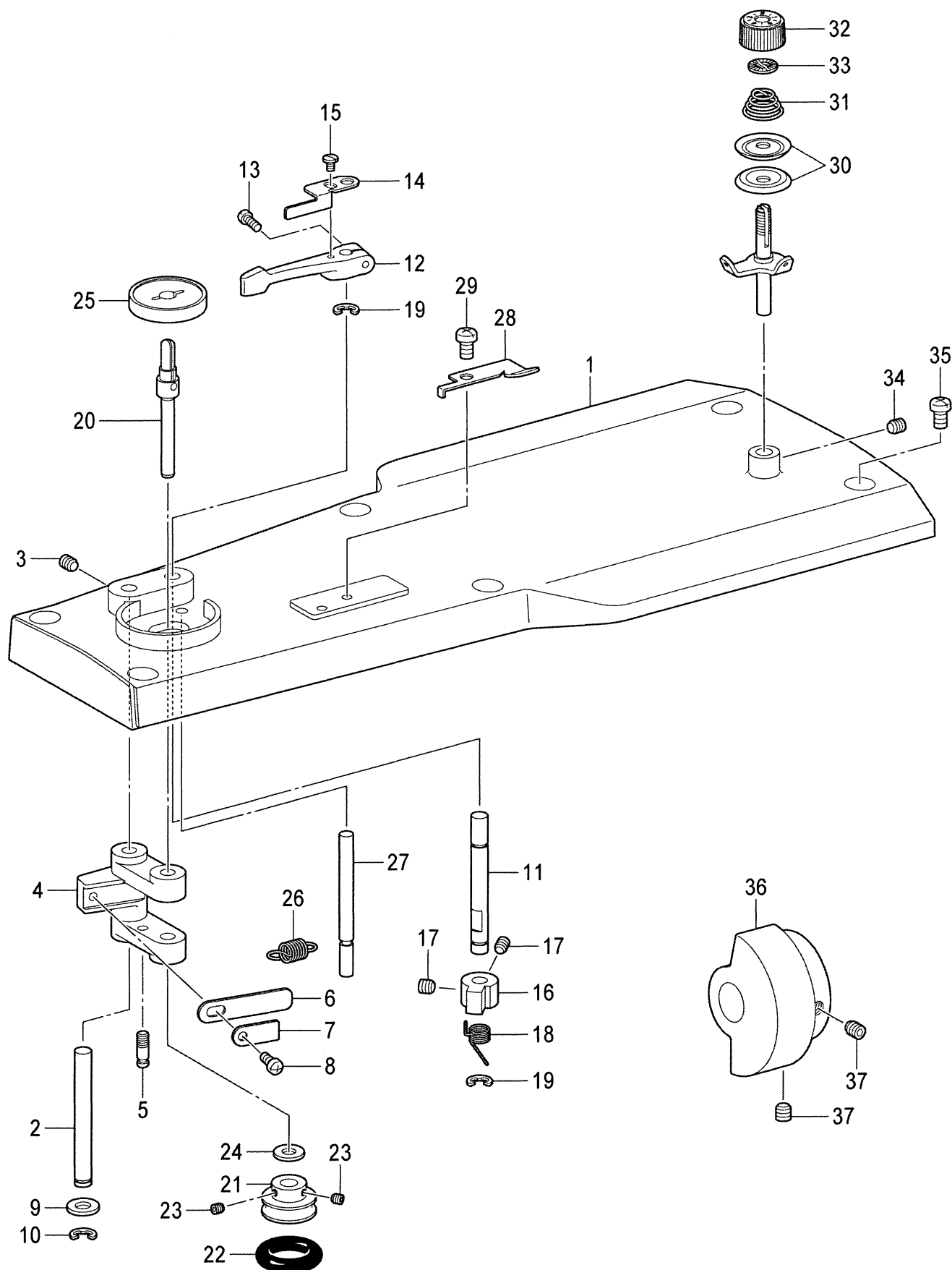
< KE-430D 被服 & ファンデーション用  
/ For "KE-430D "Ordinary materials  
& Foundation garments" >

< BE-438D 用 / For "BE-438D" >



## H. 糸通し関係 / Threading mechanism

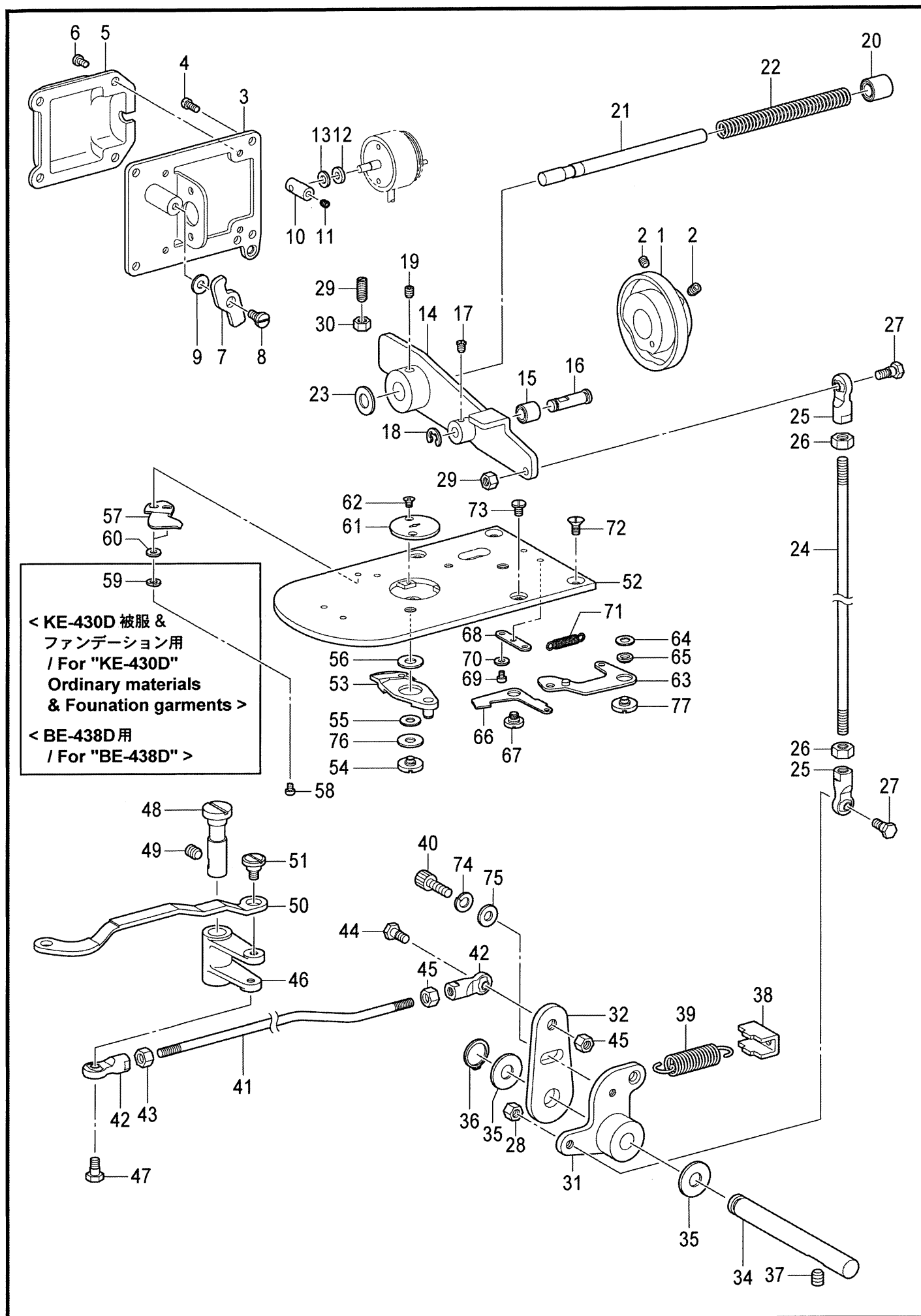
| REF.NO | CODE      | Q'TY | 品名                                        | NAME OF PARTS                                                                  | RM |
|--------|-----------|------|-------------------------------------------|--------------------------------------------------------------------------------|----|
| 1      | SA3250001 | 1    | ア-ムイトミチA                                  | ARM THREAD GUIDE,A                                                             |    |
| 2      | 062500616 | 1    | ナベコ5X6                                    | SCREW, PAN M5X6                                                                |    |
| 3      | SA4333001 | 1    | ア-ムイトミチB                                  | ARM THREAD GUIDE,B                                                             |    |
| 4      | 062500616 | 1    | ナベコ5X6                                    | SCREW, PAN M5X6                                                                |    |
| 5      | SA3252001 | 1    | ア-ムイトミチC                                  | ARM THREAD GUIDE,C                                                             |    |
| 6      | 062500616 | 1    | ナベコ5X6                                    | SCREW, PAN M5X6                                                                |    |
| 7      | 153049001 | 1    | ウワイトアンナイボウ                                | UPPER THREAD GUIDE STUD                                                        |    |
| 8      | SA3254001 | 1    | イトチヨウシダイ                                  | TENSION BRACKET                                                                |    |
| 9      | *         | 1    | イトトリバネ                                    | THREAD TAKE-UP SPRING                                                          |    |
| 10     | S12699000 | 1    | イトユルメピン                                   | TENSION RELEASE PIN                                                            |    |
| 11     | SA3255001 | 1    | イトチヨウシボウ                                  | TENSION STUD                                                                   |    |
| 12     | S31032001 | 1    | イトチヨウシナツト                                 | TENSION NUT                                                                    |    |
| 13     | S12441001 | 1    | チヨウシバネウエザガネ                               | WASHER                                                                         |    |
| 14     | *         | 1    | イトチヨウシバネ                                  | TENSION SPRING                                                                 |    |
| 15     | 159805001 | 1    | イトチヨウシサラオサエ                               | TENSION DISC PRESSER                                                           |    |
| 16     | 145446001 | 2    | イトチヨウシサラ                                  | DISC, TENSION                                                                  |    |
| 17     | 100402004 | 1    | トメネジ3.57                                  | SET SCREW, SM3.57                                                              |    |
| 18     | SA4143001 | 1    | アナトメネジ6                                   | SET SCREW, (FT) M6X6                                                           |    |
| 19     | SA3256001 | 1    | イトチヨウシボウA                                 | TENSION STUD,A                                                                 |    |
| 20     | 100136001 | 1    | イトチヨウシナツト                                 | TENSION NUT                                                                    |    |
| 21     | SA4146001 | 1    | フクチヨウシバネ                                  | SUB TENSION SPRING                                                             |    |
| 22     | 145446001 | 2    | イトチヨウシサラ                                  | DISC, TENSION                                                                  |    |
| 23     | 159224001 | 1    | ア-ムイトカケ                                   | THREAD GUIDE, ARM                                                              |    |
|        |           |      | <KE-430D<br>被服 & ファンデーション用><br><BE-438D用> | <For "KE-430D"<br>Ordinary materials & Foundation garments><br><For "BE-438D"> |    |
| 24     | SA3635101 | 1    | ハリボウイトアンナイB<br><KE-430D デニム用>             | NEEDLE BAR THREAD GUIDE,B<br><For "KE-430D" Denim>                             |    |
| 25     | SA3257101 | 1    | ハリボウイトアンナイA                               | NEEDLE BAR THREAD GUIDE,A                                                      |    |
| 26     | SA3258001 | 1    | ハリボウメタルDイトアンナイ                            | N-BAR BUSH THREAD GUIDE,D                                                      |    |
| 27     | 152881001 | 1    | エキレイタイクミ                                  | NEEDLE COOLER ASSY                                                             |    |
| 28     | 012060636 | 1    | アナヒラ6X6                                   | SET SCREW, SOCKET(FT)M6X6                                                      |    |
| 29     | 152883000 | 1    | フェルト8X15.5                                | FELT,8X15.5                                                                    |    |
| 30     | 152884001 | 1    | エキレイイトカケ                                  | NEEDLE COOLER THREAD GUIDE                                                     |    |
| 31     | 062670412 | 1    | ナベコ357-40X4                               | SCREW,PAN SM3.57-40X4                                                          |    |



## J. 糸巻関係 / Bobbin winder mechanism

| REF.NO | CODE      | Q'TY | 品名          | NAME OF PARTS               | RM |
|--------|-----------|------|-------------|-----------------------------|----|
| 1      | SA3289001 | 1    | ウワフタ        | TOP COVER 430D              |    |
| 2      | SA3290001 | 1    | イトマキレバージク   | SHAFT,BW-LEVER              |    |
| 3      | 012500536 | 1    | アナヒラ5X5     | SET SCREW, SOCKET (FT) M5X5 |    |
| 4      | SA3291001 | 1    | イトマキレバー     | BOBBIN WINDER LEVER         |    |
| 5      | SA4171001 | 1    | バネカケ        | SPRING HOOK                 |    |
| 6      | 152936001 | 1    | イタバネ        | PLATE SPRING                |    |
| 7      | 152937001 | 1    | ザガネ         | WASHER                      |    |
| 8      | 062350616 | 1    | ナベコ35X6     | SCREW, PAN M3.5X6           |    |
| 9      | 159486001 | 1    | ザガネ         | WASHER                      |    |
| 10     | 048050342 | 1    | トメワE5       | RETAINING RING, E5          |    |
| 11     | SA3293001 | 1    | イトマキツメジク    | STUD,B-WINDER CLAW          |    |
| 12     | SA1984001 | 1    | ボビンオサエウデ    | BOBBIN PRESSER ARM          |    |
| 13     | 062401216 | 1    | ナベコ4X12     | SCREW, PAN M4X12            |    |
| 14     | SA3294001 | 1    | ボビンオサエ      | BOBBIN PRESSER              |    |
| 15     | S23418002 | 1    | シメネジ4X5     | SCREW, M4X5                 |    |
| 16     | SA3295001 | 1    | イトマキツメ      | CLAW,B-WINDER               |    |
| 17     | 012400436 | 2    | アナヒラ4X4     | SET SCREW, SOCKET (FT) M4X4 |    |
| 18     | S10438001 | 1    | イトマキツメネジリバネ | SPRING, TWIST               |    |
| 19     | 048050342 | 2    | トメワE5       | RETAINING RING, E5          |    |
| 20     | SA3296001 | 1    | イトマキジク      | BOBBIN WINDER SHAFT         |    |
| 21     | SA3297001 | 1    | イトマキクルマ     | WHEEL,B-WINDER              |    |
| 22     | 120448001 | 1    | ゴムワ         | BOBBIN WINDER RUBBER BAND   |    |
| 23     | 012400436 | 2    | アナヒラ4X4     | SET SCREW, SOCKET (FT) M4X4 |    |
| 24     | 159486001 | 2    | ザガネ         | WASHER                      |    |
| 25     | SA1988001 | 1    | ボビンウケ       | BOBBIN SUPPORT              |    |
| 26     | S10268001 | 1    | イトマキレバーヒキバネ | SPRING                      |    |
| 27     | SA3298001 | 1    | ストツパジク      | STPPER SHAFT,B-WINDER       |    |
| 28     | SA3299001 | 1    | メス          | KNIFE                       |    |
| 29     | 062500616 | 1    | ナベコ5X6      | SCREW, PAN M5X6             |    |
| 30     | 145446001 | 2    | イトチヨウシサラ    | DISC, TENSION               |    |
| 31     | 100401021 | 1    | イトチヨウシバネ    | TENSION SPRING              |    |
| 32     | S31032001 | 1    | イトチヨウシナツト   | TENSION NUT                 |    |
| 33     | S12441001 | 1    | チヨウシバネウエザガネ | WASHER                      |    |
| 34     | 012500536 | 1    | アナヒラ5X5     | SET SCREW, SOCKET (FT) M5X5 |    |
| 35     | 062061016 | 6    | ナベコ6X10     | SCREW, PAN M6X10            |    |
| 36     | SA3300001 | 1    | イトマキクドウリン   | DRIVINNG WHEEL,B-WINDER     |    |
| 37     | S23651001 | 2    | アナヒラ6X6ホソメ  | SET SCREW, SOCKET (FT) M6X6 |    |

# K. 糸切り関係 / Thread trimmer mechanism

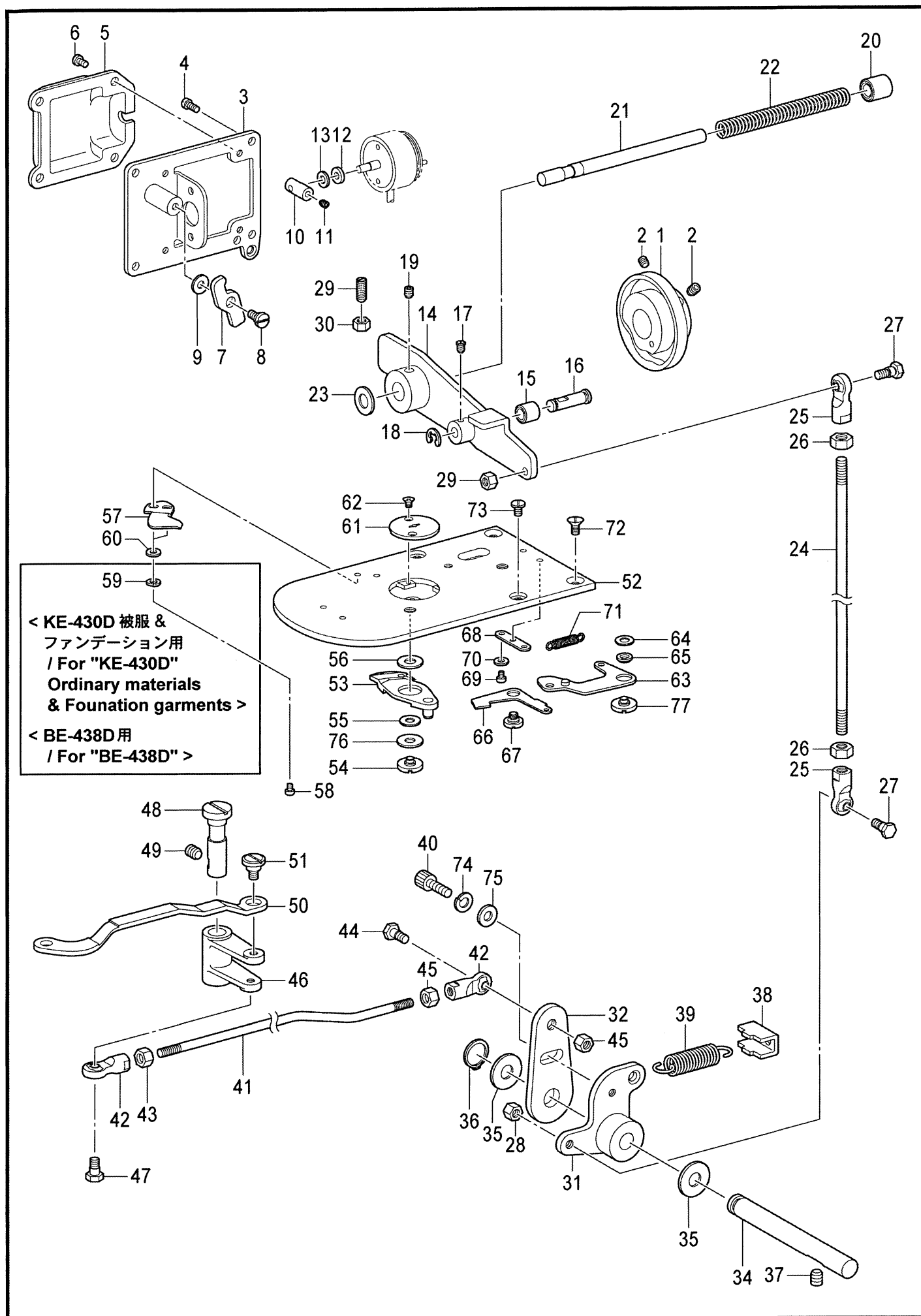


KE-430D/BE-438D-403

## K. 糸切り関係 / Thread trimmer mechanism

| REF.NO | CODE      | Q'TY | 品名                         | NAME OF PARTS                                             | RM |
|--------|-----------|------|----------------------------|-----------------------------------------------------------|----|
| 1      | SA3301101 | 1    | イトキリカム                     | THREAD TRIMMER CAM                                        |    |
| 2      | S23651001 | 2    | アナヒラ6X6ホソメ                 | SET SCREW, SOCKET (FT) M6X6                               |    |
| 3      | SA3304101 | 1    | ソレノイドトリツケイタ                | SETTING PLATE ,SOLENOID                                   |    |
| 4      | 062400816 | 4    | ナベコ4X8                     | SCREW, PAN M4X8                                           |    |
| 5      | SA3303001 | 1    | ソレノイドカバー                   | TR-SOLENOID COVER                                         |    |
| 6      | 060400516 | 4    | バインド4X5                    | SCREW, BIND M4X5                                          |    |
| 7      | SA3305001 | 1    | クドウレバーオシレバー                | PUSHING LEVER,DRIVING LEVER                               |    |
| 8      | SA3306001 | 1    | ダンネジ7-3                    | SHOULDER SCREW,7-3                                        |    |
| 9      | S39690021 | 1    | ザガネ                        | WASHER                                                    |    |
| 10     | SA3307001 | 1    | ソレノイドレバー                   | SOLENOID LEVER                                            |    |
| 11     | 012400436 | 1    | アナヒラ4X4                    | SET SCREW, SOCKET (FT) M4X4                               |    |
| 12     | 154599000 | 1    | ソレノイドクツシヨン                 | SOLENOID CUSHION                                          |    |
| 13     | S02652001 | 1    | ザガネ                        | WASHER                                                    |    |
| 14     | SA3309001 | 1    | イトキリクドウレバー                 | TR-DRIVING LEVER                                          |    |
| 15     | SA3310001 | 1    | イトキリコロ                     | COLLAR,TR-TRIMMER                                         |    |
| 16     | SA3311001 | 1    | イトキリコロジク                   | COLLAR SHAFT                                              |    |
| 17     | 012400436 | 1    | アナヒラ4X4                    | SET SCREW, SOCKET (FT) M4X4                               |    |
| 18     | 048040342 | 1    | トメワE4                      | RETAINING RING, E4                                        |    |
| 19     | S23651001 | 1    | アナヒラ6X6ホソメ                 | SET SCREW, SOCKET (FT) M6X6                               |    |
| 20     | 231071001 | 1    | メタル8X15                    | BUSH, 8X15                                                |    |
| 21     | SA3312001 | 1    | クドウレバーアンナイジク               | GUIDE SHAFT                                               |    |
| 22     | SA3313101 | 1    | クドウジクバネ                    | SPRING,COMPRESSION                                        |    |
| 23     | 154596000 | 1    | イトキリカムレバークツシヨン             | CUSHION                                                   |    |
| 24     | SA3315001 | 1    | イトキリロツドV                   | THREAD TRIMMER ROD V                                      |    |
| 25     | S32465001 | 2    | タマツギテクミ                    | BALL JOINT ASSY                                           |    |
| 26     | 021060106 | 2    | 1シュナツト6                    | NUT, 1 M6                                                 |    |
| 27     | S32462001 | 2    | タマツギテダンネジB                 | SHOULDER SCREW, B ;M6                                     |    |
| 28     | 021060306 | 2    | 3シュナツト6                    | NUT, 3 M6                                                 |    |
| 29     | S25475001 | 1    | トメネジ6                      | SET SCREW, M6X19                                          |    |
| 30     | 021060106 | 1    | 1シュナツト6                    | NUT, 1 M6                                                 |    |
| 31     | SA4546001 | 1    | イトキリレバーV                   | THREAD TRIMMER LEVER V                                    |    |
| 32     | SA3317001 | 1    | イトキリレバーH                   | THREAD TRIMMER LEVER H                                    |    |
| 34     | SA3319101 | 1    | イトキリレバージク                  | SHAFT,TR-TRIMMER LEVER                                    |    |
| 35     | SA4545001 | 2    | カンザ                        | SPECER                                                    |    |
| 36     | 048080142 | 1    | トメワジクヨウC8                  | RETAINING RING EXTERNAL C8                                |    |
| 37     | 012060636 | 2    | アナヒラ6X6                    | SET SCREW, SOCKET (FT) M6X6                               |    |
| 38     | SA3320101 | 1    | バネカケ                       | SPRING HOOK                                               |    |
| 39     | SA3321001 | 1    | イトキリモドシバネ                  | SPRING,EXTENSION                                          |    |
| 40     | 018501232 | 1    | アナボルト5X12                  | BOLT, SOCKET M5X12                                        |    |
| 74     | 028050246 | 1    | バネザガネ2-5                   | WASHER SPRING 2-5                                         |    |
| 75     | 146352002 | 1    | ザガネ                        | WASHER,PLAIN 5                                            |    |
| 41     | SA3323001 | 1    | イトキリロツドH                   | THREAD TRIMMER ROD H                                      |    |
| 42     | S32465001 | 2    | タマツギテクミ                    | BALL JOINT ASSY                                           |    |
| 43     | 021060106 | 2    | 1シュナツト6                    | NUT, 1 M6                                                 |    |
| 44     | S32462001 | 1    | タマツギテダンネジB                 | SHOULDER SCREW, B ;M6                                     |    |
| 45     | 021060306 | 1    | 3シュナツト6                    | NUT, 3 M6                                                 |    |
| 46     | SA3324001 | 1    | イドウハレバー                    | MOVING KNIFE LEVER                                        |    |
| 47     | SA3325001 | 1    | ダンネジ6.35-6                 | SHOULDER SCREW,6.35-6                                     |    |
| 48     | SA3326001 | 1    | イドウハレバージク                  | SHAFT,M-KNIFE LEVER                                       |    |
| 49     | 012060636 | 1    | アナヒラ6X6                    | SET SCREW, SOCKET (FT) M6X6                               |    |
| 50     | SA3327101 | 1    | イドウハレンカン                   | M-KNIFE CONNECTING PLATE                                  |    |
| 51     | SA4354001 | 1    | ダンネジ6-1.8                  | SHOULDER SCREW ,6-1.8                                     |    |
| 52     | SA3655001 | 1    | ハリイタSC                     | NEEDLE PLATE,SC                                           |    |
|        |           |      | <KE-430D 被服<br>&ファンデーション用> | <For "KE-430D"Ordinary materials<br>&Foundation garments> |    |
| 53     | SA3656101 | 1    | イドウハF-SCクミ                 | MOVABLE KNIFE ASSY F-SC                                   |    |
|        |           |      | <KE-430D デニム用 >            | <For "KE-430D"Denim>                                      |    |
| 53     | SA3330101 | 1    | イドウハFクミ                    | MOVABLE KNIFE ASSY F                                      |    |
|        |           |      | <BE-438D用>                 | <For BE-438D>                                             |    |
| 53     | SA6131001 | 1    | イドウハF-SCSクミ                | MOVABLE KNIFE ASSY F-SCS                                  |    |
| 54     | SA4518001 | 1    | イドウハダンネジ                   | MOVABLE KNIFE SHOULDER SCREW                              |    |

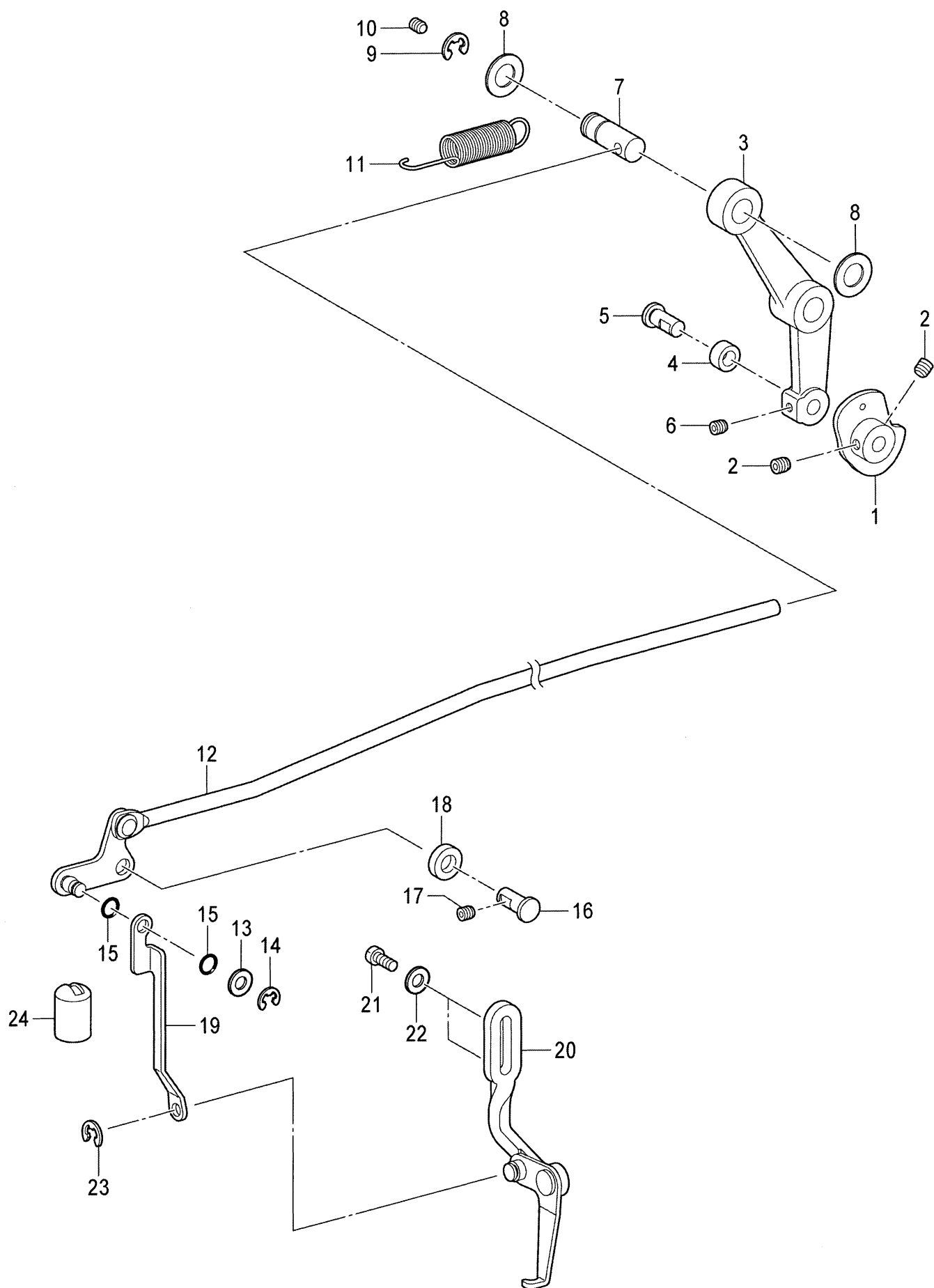
# K. 糸切り関係 / Thread trimmer mechanism



KE-430D/BE-438D-403

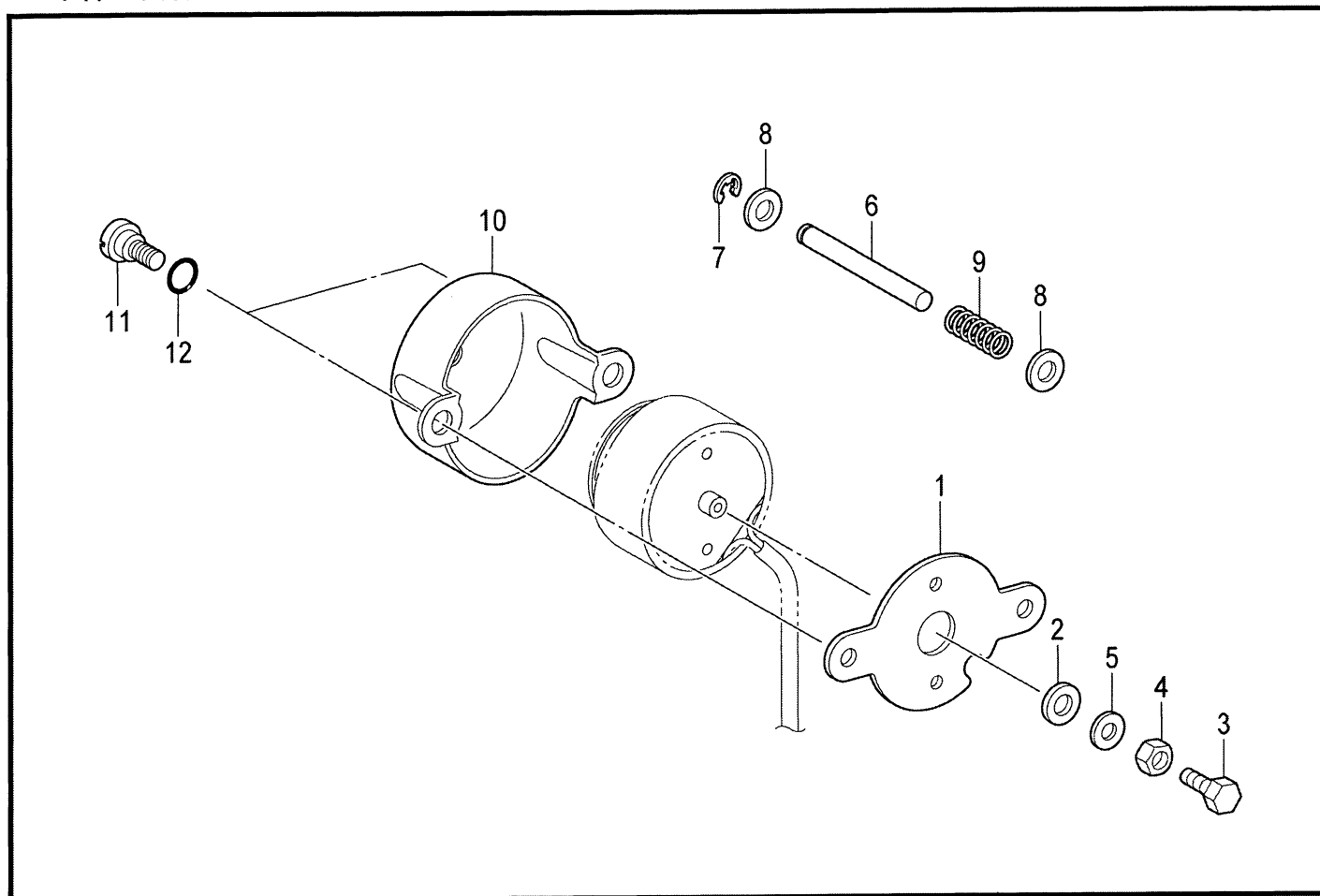
## K. 糸切り関係 / Thread trimmer mechanism

| REF.NO | CODE      | Q'TY | 品名                         | NAME OF PARTS                                             | RM |
|--------|-----------|------|----------------------------|-----------------------------------------------------------|----|
| 76     | SA4519001 | 1    | スラストザガネ                    | THRUST WASHER                                             |    |
| 55     | S00705001 | 1    | イドウハカラー                    | MOVABLE KNIFE COLLAR                                      |    |
| 56     | SA3334001 | 1    | イドウハカンザ                    | M-KNIFE SPACER                                            |    |
|        |           |      | <KE-430D 被服<br>&ファンデーション用> | <For "KE-430D"Ordinary materials<br>&Foundation garments> |    |
|        |           |      | <BE-438D用>                 | <For BE-438D>                                             |    |
| 57     | SA3658001 | 1    | コテイハF-SC                   | FIXED KNIFE F-SC                                          |    |
|        |           |      | <KE-430D デニム用>             | <For "KE-430D"Denim>                                      |    |
| 57     | SA3335001 | 1    | コテイハF                      | FIXED KNIFE F                                             |    |
| 58     | 062300416 | 2    | ナベコ3X4                     | SCREW, PAN M3X4                                           |    |
|        |           |      | <KE-430D 被服<br>&ファンデーション用> | <For "KE-430D"Ordinary materials<br>&Foundation garments> |    |
|        |           |      | <BE-438D用>                 | <For BE-438D>                                             |    |
| 59     | 028030246 | 2    | バネザガネ2-3                   | WASHER,SPRING2-3                                          |    |
| 60     | 025030236 | 2    | ヒラザガネチュウ3                  | WASHER, PLAIN M 3                                         |    |
| 61     | *         | 1    | ハリアナイタ                     | NEEDLE HOLE PLATE                                         |    |
| 62     | 100360003 | 2    | サラネジ2.38                   | SCREW                                                     |    |
| 63     | SA3337001 | 1    | イトツカミDクミ                   | THREAD NIPPER ASSY D                                      |    |
| 64     | SA4330001 | 1    | イトツカミカンザ                   | SPACER,THREAD NIPPER                                      |    |
| 65     | SA4329001 | 1    | イトツカミカラー                   | COLLAR,THREAD NIPPER                                      |    |
| 66     | SA3341001 | 1    | イトオサエU                     | THREAD NIPPER U                                           |    |
| 77     | SA3333001 | 1    | イトツカミダンネジ                  | THREAD NIPPER SHOULDER SCREW                              |    |
| 67     | SA3342001 | 1    | ダンネジ6-0.9                  | SHOULDER SCREW,6-0.9                                      |    |
| 68     | SA3343001 | 1    | バネカケイタ                     | PLATE,SPRING HOOK                                         |    |
| 69     | 062300416 | 2    | ナベコ3X4                     | SCREW, PAN M3X4                                           |    |
| 70     | 025030236 | 2    | ヒラザガネチュウ3                  | WASHER, PLAIN M 3                                         |    |
| 71     | SA3344001 | 1    | イトツカミバネ                    | SPRING,EXTENSION                                          |    |
| 72     | S25310101 | 2    | サラネジ4                      | SCREW, FLAT M4                                            |    |
| 73     | SA3538001 | 2    | シメネジ4X8                    | SCREW,M4X8                                                |    |



## L. 糸払い関係 / Thread wiper mechanism

| REF.NO | CODE      | Q'TY | 品名         | NAME OF PARTS               | RM |
|--------|-----------|------|------------|-----------------------------|----|
| 1      | SA3447001 | 1    | ワイパーカム     | THREAD WIPER CAM            |    |
| 2      | 012060636 | 2    | アナヒラ6X6    | SET SCREW, SOCKET (FT) M6X6 |    |
| 3      | SA3448001 | 1    | ワイパークドウレバー | DRIVING LEVER,;THREAD WIPER |    |
| 4      | SA3449001 | 1    | ワイパーコロ     | THREAD WIPER ROLLER         |    |
| 5      | SA3441001 | 1    | オサエアゲコロジク  | W-CLAMP LIFTER ROLLER SHAFT |    |
| 6      | 012500536 | 1    | アナヒラ5X5    | SET SCREW, SOCKET (FT) M5X5 |    |
| 7      | SA3451001 | 1    | ワイパーロッドジク  | THREAD WIPER ROD SHAFT      |    |
| 8      | S20356001 | 2    | ヒラザガネ10    | WASHER, PLAIN 10            |    |
| 9      | 048080342 | 1    | トメワE8      | RETAINING RING, E8          |    |
| 10     | 012500536 | 1    | アナヒラ5X5    | SET SCREW, SOCKET (FT) M5X5 |    |
| 11     | SA3446001 | 1    | オサエアゲバネ    | SPRING                      |    |
| 12     | SA3452001 | 1    | ワイパーロッドクミ  | THREAD WIPER ROD ASSY       |    |
| 13     | 025050134 | 1    | ヒラザガネシヨウ5  | WASHER, PLAIN S 5           |    |
| 14     | 048040342 | 1    | トメワE4      | RETAINING RING, E4          |    |
| 15     | 081005070 | 2    | リングP5      | O RING, P5                  |    |
| 16     | SA3441001 | 1    | オサエアゲコロジク  | W-CLAMP LIFTER ROLLER SHAFT |    |
| 17     | 012500536 | 1    | アナヒラ5X5    | SET SCREW, SOCKET (FT) M5X5 |    |
| 18     | S38033002 | 1    | カラ-13      | COLLAR, 13                  |    |
| 19     | SA3458001 | 1    | ワイパーレンケツイタ | CONNECTING PLATE            |    |
| 20     | SA3459101 | 1    | ワイパーウデクミ   | THREAD WIPER ARM ASSY       |    |
| 21     | 062401006 | 2    | ナベコ4X10    | SCREW, PAN M4X10            |    |
| 22     | 025040236 | 2    | ヒラザガネチュウ4  | WASHER, PLAIN M 4           |    |
| 23     | 048040342 | 1    | トメワE4      | RETAINING RING, E4          |    |
| 24     | SA3464001 | 1    | オイルキリセン    | OIL CAP                     |    |

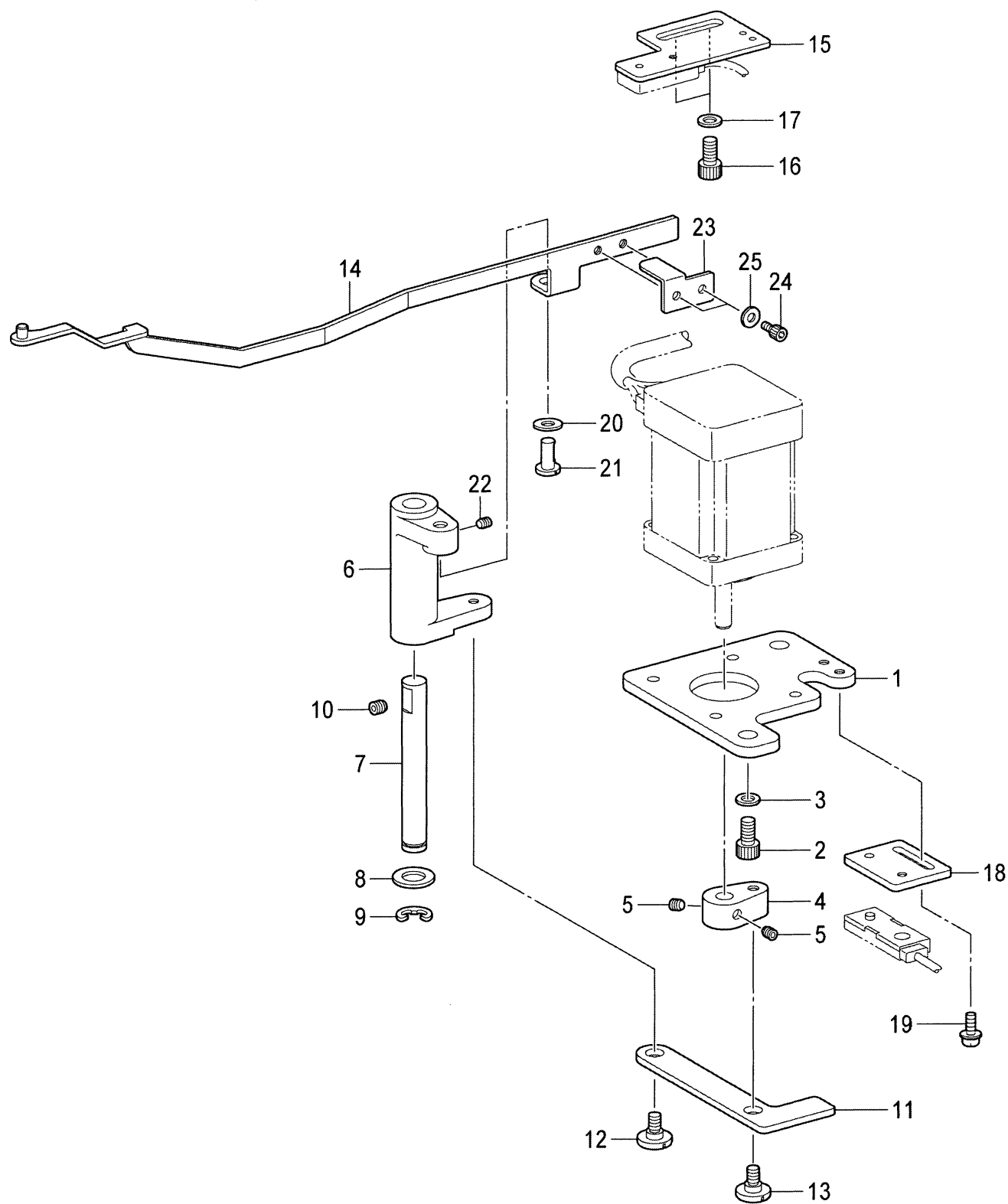


KE-430D/BE-438D-406

## M. 糸締め関係 / Tension release mechanism

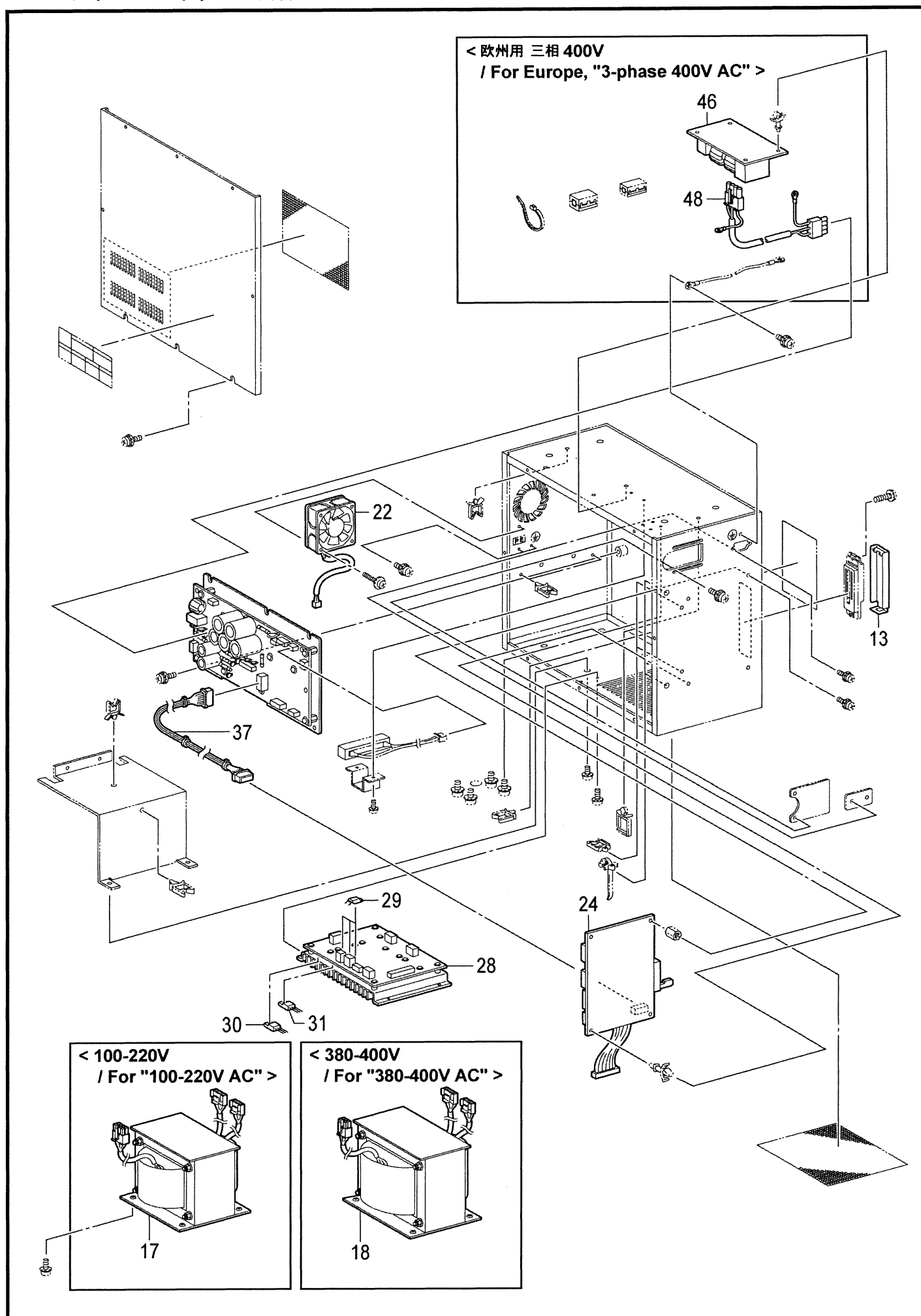
| REF.NO | CODE      | Q'TY | 品名         | NAME OF PARTS           | RM |
|--------|-----------|------|------------|-------------------------|----|
| 1      | SA3345001 | 1    | ソレノイドリツケイタ | SETTING PLATE, SOLENOID |    |
| 2      | 154599000 | 1    | ソレノイドクツシヨソ | SOLENOID CUSHION        |    |
| 3      | 017401015 | 1    | ボルト4X10    | BOLT, M4X10             |    |
| 4      | 021400306 | 1    | 3シュナツト4    | NUT, 3 M4               |    |
| 5      | 102707002 | 1    | ザガネ        | WASHER                  |    |
| 6      | SA3347001 | 1    | イトユルメボウ    | TENSION RELEASE BAR     |    |
| 7      | 048040342 | 1    | トメワE4      | RETAINING RING, E4      |    |
| 8      | 025050236 | 2    | ヒラザガネチュウ5  | WASHER, PLAIN M 5       |    |
| 9      | SA3348001 | 1    | コイルバネ      | SPRING, COMPRESSION     |    |
| 10     | SA3349001 | 1    | ソレノイドカバー   | SOLENOID COVER          |    |
| 11     | SA3306001 | 2    | ダンネジ7-3    | SHOULDER SCREW, 7-3     |    |
| 12     | 081007070 | 2    | OリングP7     | O RING P7               |    |

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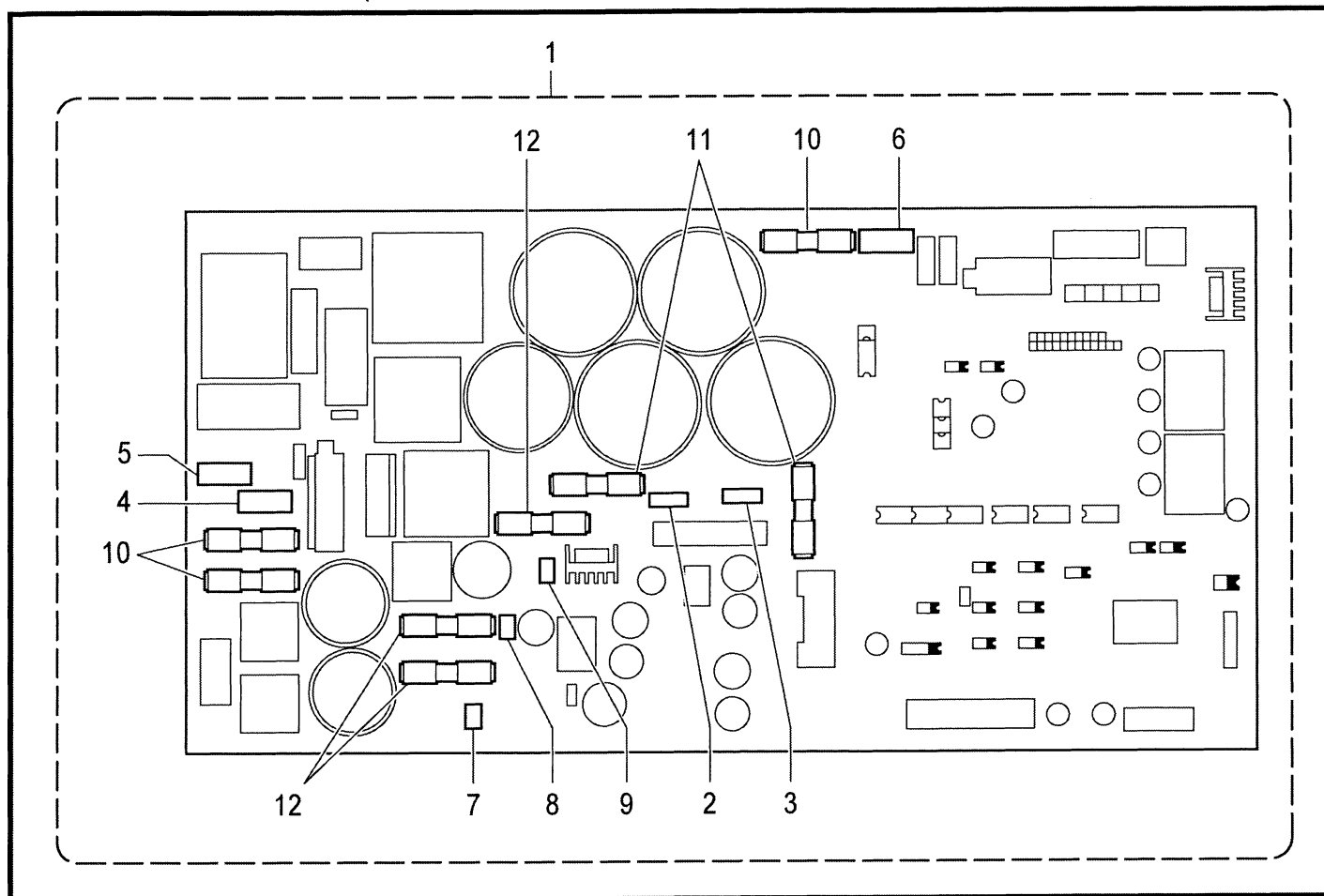
## N. 糸つかみ関係 / Thread nipper mechanism

| REF.NO | CODE      | Q'TY | 品名             | NAME OF PARTS                | RM |
|--------|-----------|------|----------------|------------------------------|----|
| 1      | SA3351001 | 1    | TNモーターリツケイタ    | SETTING PLATE, TN-MOTOR      |    |
| 2      | 018061236 | 2    | アナボルト6X12      | BOLT, SOCKET M6X12           |    |
| 3      | 025060236 | 2    | ヒラザガネチュウ6      | WASHER, PLAIN M 6            |    |
| 4      | SA3352101 | 1    | イトツカミモータレバー    | TN-MOTOR LEVER               |    |
| 5      | 012400436 | 2    | アナヒラ4X4        | SET SCREW, SOCKET (FT) M4X4  |    |
| 6      | SA3353201 | 1    | イトツカミレバー       | TN-LEVER                     |    |
| 7      | SA3354001 | 1    | イトツカミレバーク      | TN-LEVER SHAFT               |    |
| 8      | 153596001 | 1    | ザガネ            | WASHER                       |    |
| 9      | 048070342 | 1    | トメフE7          | RETAINING RING, E7           |    |
| 10     | 012060636 | 1    | アナヒラ6X6        | SET SCREW, SOCKET (FT) M6X6  |    |
| 11     | SA3355001 | 1    | イトツカミレンケツイタB   | TN-CONNECTING PLATE B        |    |
| 12     | SA4461001 | 1    | ダンネジ6-3.5      | SHOULDER SCREW, 6-3.5        |    |
| 13     | SA4354001 | 1    | ダンネジ6-1.8      | SHOULDER SCREW, 6-1.8        |    |
| 14     | SA3357101 | 1    | イトツカミレンケツイタFクミ | TN-CONNECTING PLATE ASSY F   |    |
| 23     | SA5137001 | 1    | イトツカミセンサードグ    | TN-SENSOR DOG                |    |
| 24     | 018300636 | 2    | アナボルト3X6       | BOLT SOCKET M3X6             |    |
| 25     | 025030236 | 2    | ヒラザガネチュウ3      | WASHER PLAIN M 3             |    |
| 15     | SA5138001 | 1    | TNセンサートリツケイタB  | SETTING PLATE B, TN-SENSOR   |    |
| 16     | 018061236 | 2    | アナボルト6X12      | BOLT, SOCKET M6X12           |    |
| 17     | 155559001 | 2    | ヒラザガネ          | WASHER, PLAIN                |    |
| 18     | SA3361001 | 1    | TNセンサートリツケイタF  | SETTING PLATE F, TN-SENSOR   |    |
| 19     | 0A4300805 | 2    | +ナベザクミ3X8DA    | SCREW, PAN (S/P WASHER) M3X8 |    |
| 20     | 155559001 | 1    | ヒラザガネ          | WASHER, PLAIN                |    |
| 21     | S10202201 | 1    | レンカンレバーク       | LEVER SHAFT                  |    |
| 22     | 012400436 | 1    | アナヒラ4X4        | SET SCREW SOCKET (FT) M4X4   |    |



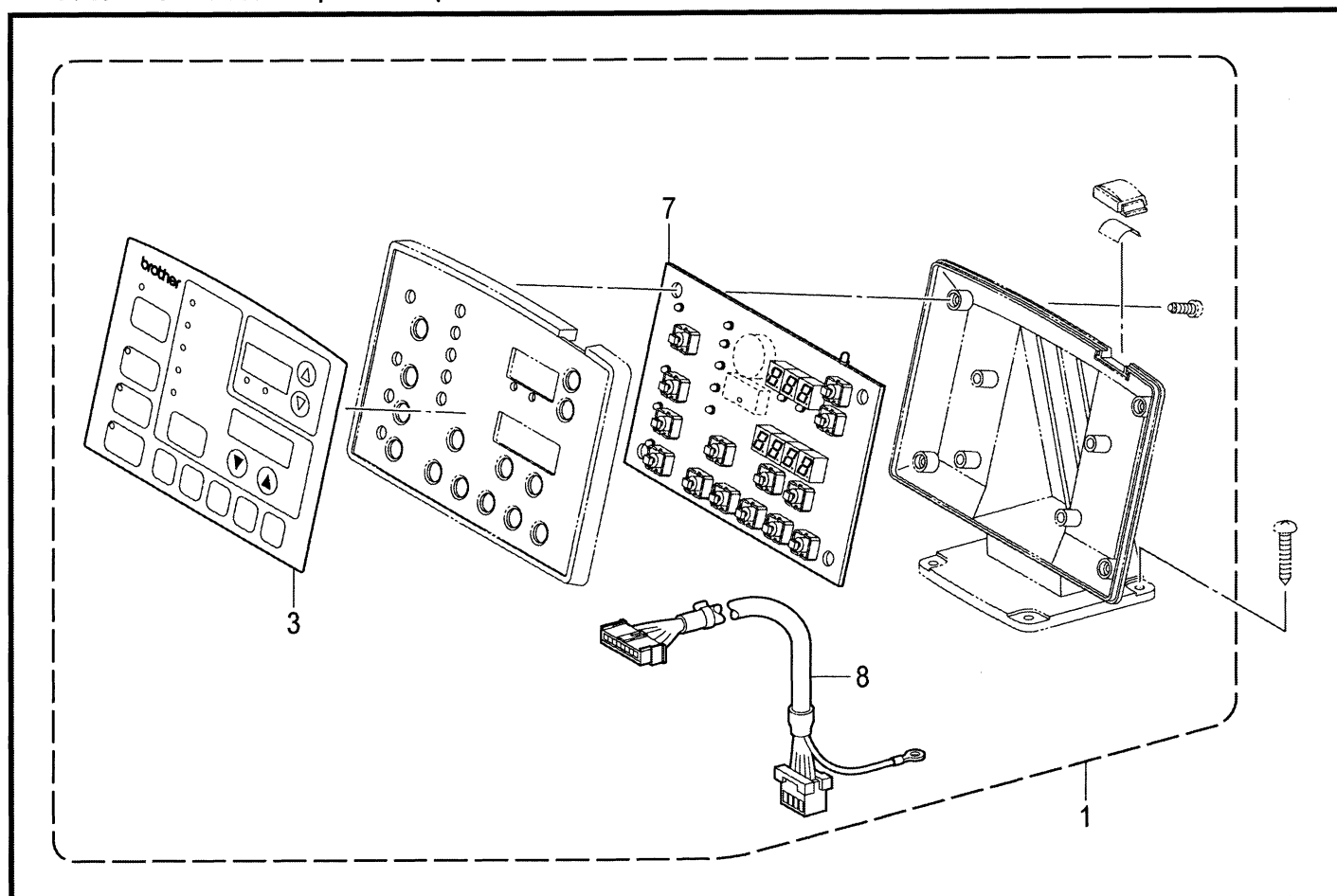
## P1. コントロールボックス関係 / Control box mechanism

| REF.NO | CODE      | Q'TY | 品名              | NAME OF PARTS                  | RM |
|--------|-----------|------|-----------------|--------------------------------|----|
| 13     | SA3573001 | 1    | CFキャップ          | CF CAP                         |    |
|        |           |      | <100-220V>      | <For "100-220V AC">            |    |
| 17     | SA3720001 | 1    | トランスLV          | TRANSFORMER LOW VOLTAGE        |    |
|        |           |      | <380-400V>      | <For "380-400V AC">            |    |
| 18     | SA3808001 | 1    | トランスHV          | TRANSFORMER HIGH VOLTAGE       |    |
| 22     | SA3797001 | 1    | DCファンモータクミ      | DC-FAN MOTOR ASSY              |    |
| 24     | SA3724101 | 1    | メインキバンクミ        | PCB ASSY,MAIN                  |    |
| 28     | SA3739201 | 1    | PMDキバンクミ        | PCB ASSY,PMD                   |    |
| 29     | SA3744001 | 3    | FET FS10ASJ-2   | TRANSISTOR, FET:FS10ASJ-2      |    |
| 30     | SA3722001 | 1    | MOSFET FX20KMJ2 | TRANSISTOR, FET:FX20KMJ-2      |    |
| 31     | S49484000 | 1    | MOSFETFS10KMJ-2 | TRANSISTOR, FET:FS10KMJ-2      |    |
| 37     | SA3806001 | 1    | MAINデンゲンハーネス    | HARNESS, MAIN POWER SUPPLY     |    |
|        |           |      | <欧州用 三相 400V>   | <For Europe,"3-phase 400V AC"> |    |
| 46     | SA3581001 | 1    | フィルタキバンクミ       | PCB ASSY,NF                    |    |
| 48     | SA3796001 | 1    | NF OUTコード       | HARNESS,NF OUT                 |    |



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Q . 操作パネル関係 / Operation panel mechanism



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P2. コントロールボックス（電源基板）関係 / Control box (PCB) mechanism

| REF.NO | CODE      | Q'TY | 品名             | NAME OF PARTS               | RM |
|--------|-----------|------|----------------|-----------------------------|----|
| 1      | SA3755101 | 1    | デンゲンモータキバンクミ   | PCB ASSY,POWER SUPPLY MOTOR |    |
| 2      | SA3765001 | 1    | バリスタTND10V101K | VARISTOR:V10D101            |    |
| 3      | SA3766001 | 1    | バリスタTND10V241K | VARISTOR:V10D241            |    |
| 4      | SA3767001 | 1    | バリスタTND14V511K | VARISTOR:V14D511            |    |
| 5      | SA3762001 | 1    | バリスタTND14V911K | VARISTOR:V14D911            |    |
| 6      | SA3768001 | 1    | バリスタTND14V561K | VARISTOR:V14D561            |    |
| 7      | SA3769001 | 1    | バリスタTND5V121K  | VARISTOR:V5D121             |    |
| 8      | SA3770001 | 1    | バリスタTND5V330K  | VARISTOR:V5D330             |    |
| 9      | SA3771001 | 1    | バリスタTND5V820K  | VARISTOR:V5D820             |    |
| 10     | SA3794001 | 3    | FGMB 250V-15A  | G FUSE S 15A                |    |
| 11     | SA3795001 | 2    | FGMB 250V-6A   | G FUSE S 6A                 |    |
| 12     | 616167001 | 3    | GヒューズS 3A      | G FUSE S 3A                 |    |

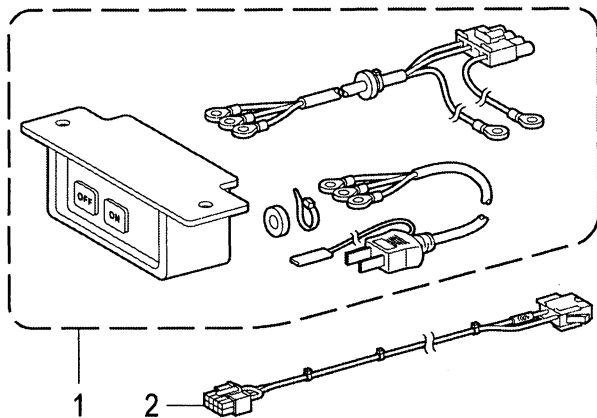
KE-430D/BE-438D-502

Q. 操作パネル関係 / Operation panel mechanism

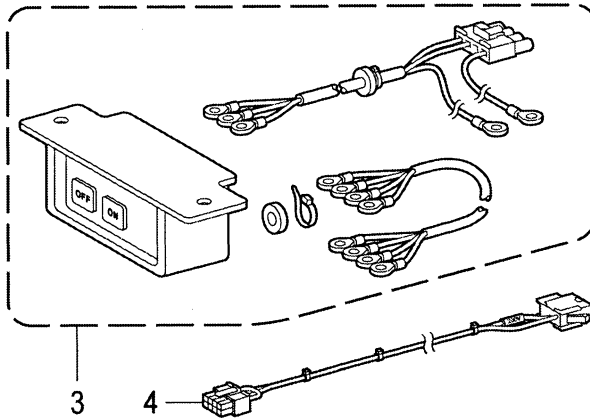
| REF.NO | CODE      | Q'TY | 品名        | NAME OF PARTS        | RM |
|--------|-----------|------|-----------|----------------------|----|
| 1      | SA3829001 | 1    | ソウサパネルクミ  | OPERATION PANEL ASSY |    |
| 3      | SA3831001 | 1    | ソウサパネルシート | PANEL SHEET          |    |
| 7      | SA3833101 | 1    | パネルキバンクミ  | PANEL PCB ASSY       |    |
| 8      | SA3839001 | 1    | パネルハーネス   | PANEL HARNESS        |    |

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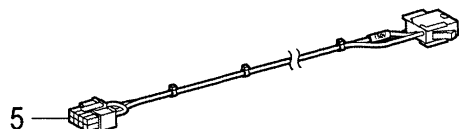
< 日本用 単相 100V / For Japan, 1-phase 100V AC. >



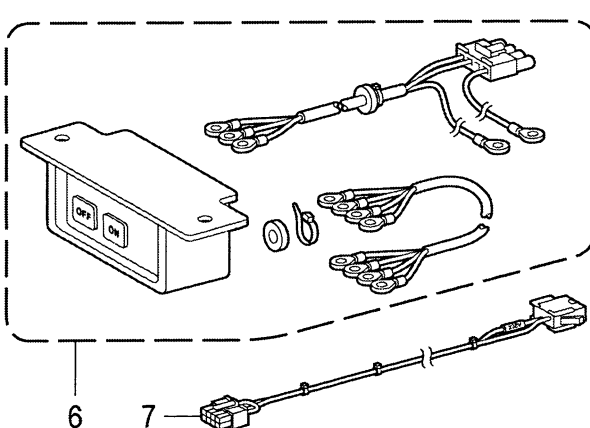
< 日本用 三相 200V / For Japan, 3-phase 200V AC. >



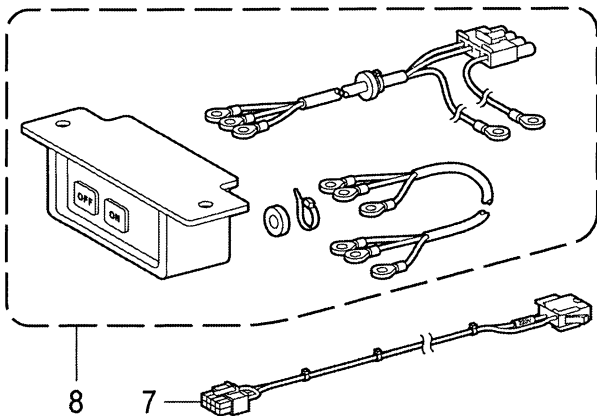
< USA 用 単相 110V / For USA, 1-phase 110V AC. >



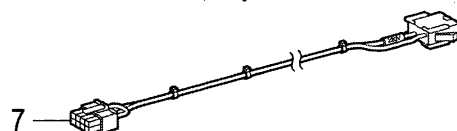
< USA 用 三相 220V / For USA, 3-phase 220V AC. >



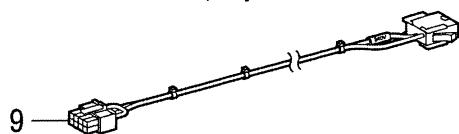
< アジア用 単相 220V / For Asia, 1-phase 220V AC. >



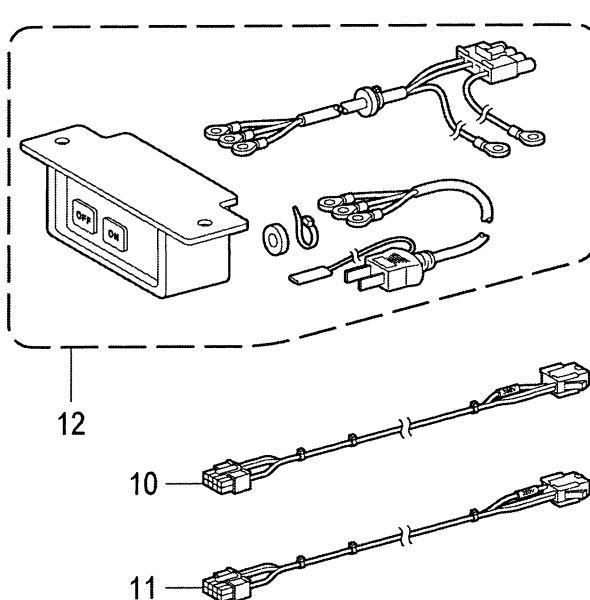
< 中国用 単相 220V / For China, 1-phase 220V AC. >



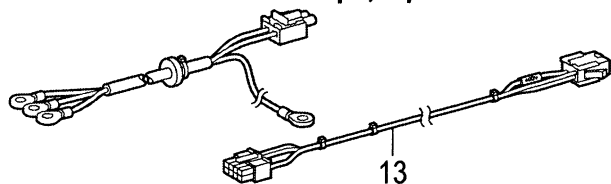
< アジア用 単相 240V / For Asia, 1-phase 240V AC. >



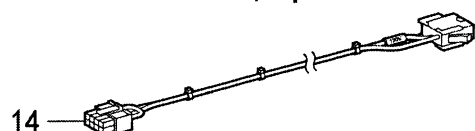
< 中国用 三相 380V / For China, 3-phase 380V AC. >



< 欧州用 三相 400V / For Europe, 3-phase 400V AC. >

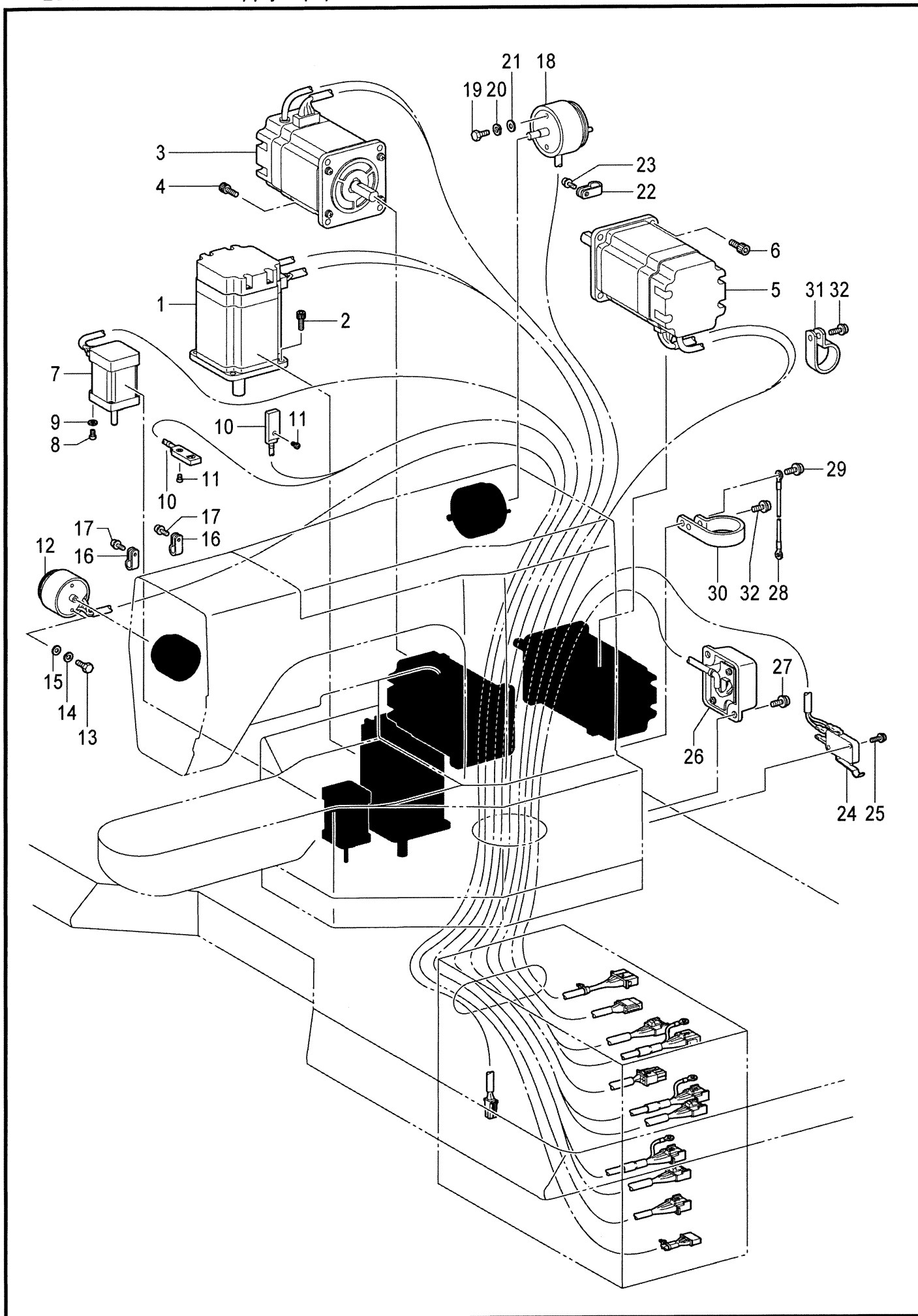


< カナダ用 単相 120V / For Canada, 1-phase 120V AC. >



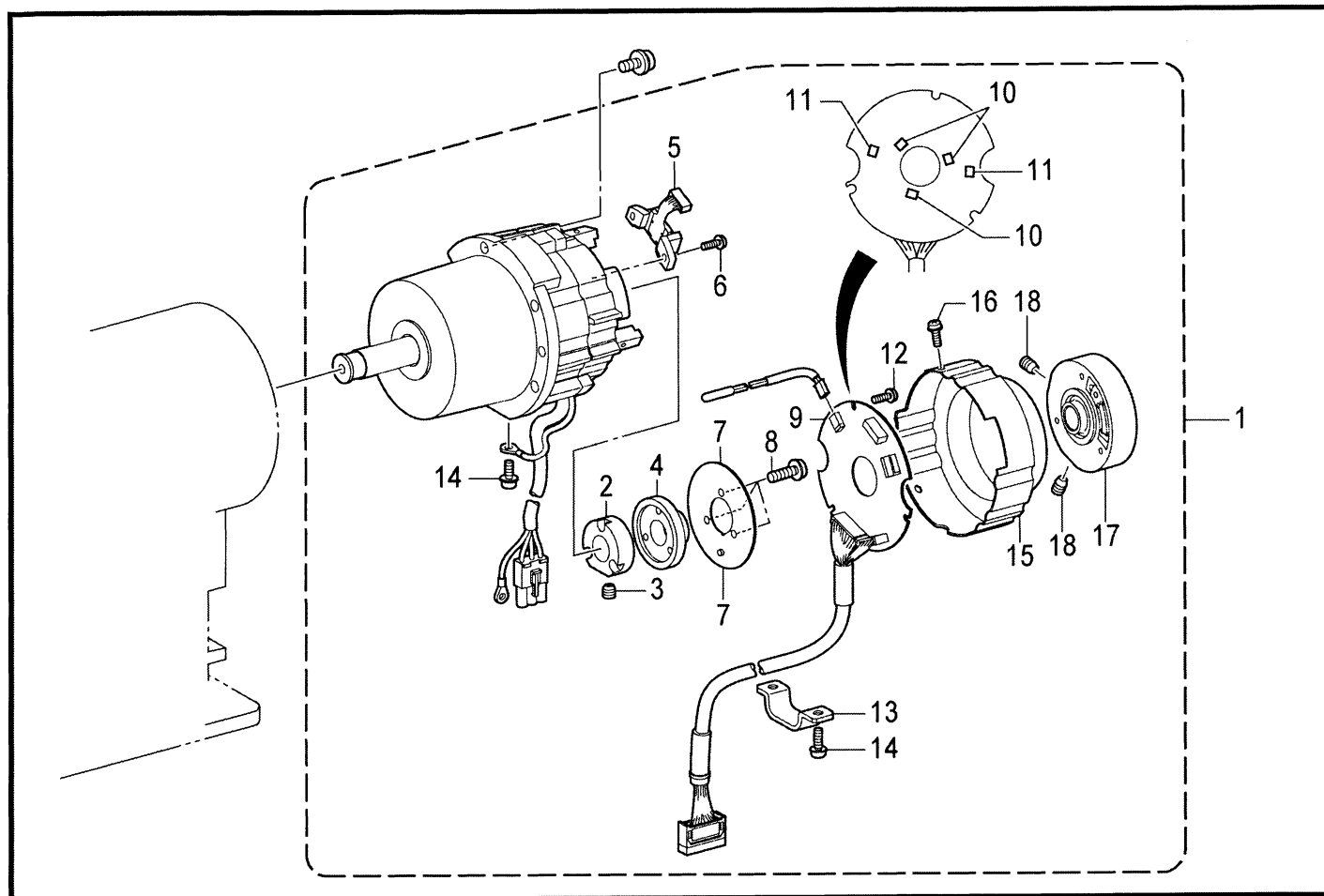
## R. スイッチ関係 / Power switch mechanism

| REF.NO | CODE      | Q'TY | 品名                              | NAME OF PARTS                                                    | RM |
|--------|-----------|------|---------------------------------|------------------------------------------------------------------|----|
| 1      | SA3813001 | 1    | <日本用 単相 100V><br>デンSWクミ1P-JPN   | <For Japan, 1-phase 100V AC.><br>POWER SUPPLY SWITCH ASSY, 1P-JP |    |
| 2      | SA3822001 | 1    | Vキリカエハーネス100V                   | VOLTAGE SELECT HARNESS 100V                                      |    |
| 3      | SA3819001 | 1    | <日本用 三相 200V><br>デンSWクミ3P-JPN   | <For Japan, 3-phase 200V AC.><br>POWER SUPPLY SWITCH ASSY, 3P-JP |    |
| 4      | SA3825001 | 1    | Vキリカエハーネス200V                   | VOLTAGE SELECT HARNESS 200V                                      |    |
| 5      | SA3823001 | 1    | <USA用 単相 110V><br>Vキリカエハーネス110V | <For USA, 1-phase 110V AC.><br>VOLTAGE SELECT HARNESS 110V       |    |
| 6      | SA3816001 | 1    | <USA用 三相 220V><br>デンSWクミ3P-L    | <For USA, 3-phase 220V AC.><br>POWER SUPPLY SWITCH ASSY, 3P-L    |    |
| 7      | SA3812001 | 1    | Vキリカエハーネス220V                   | VOLTAGE SELECT HARNESS 220V                                      |    |
| 8      | SA3809001 | 1    | <アジア用 単相 220V><br>デンSWクミ1P      | <For Asia, 1-phase 220V AC.><br>POWER SUPPLY SWITCH ASSY, 1P     |    |
| 7      | SA3812001 | 1    | Vキリカエハーネス220V                   | VOLTAGE SELECT HARNESS 220V                                      |    |
| 9      | SA3826001 | 1    | <アジア用 単相 240V><br>Vキリカエハーネス240V | <For Asia, 1-phase 240V AC.><br>VOLTAGE SELECT HARNESS 240V      |    |
| 7      | SA3812001 | 1    | <中国用 単相 220V><br>Vキリカエハーネス220V  | <For China, 1-phase 220V AC.><br>VOLTAGE SELECT HARNESS 220V     |    |
| 10     | SA3827001 | 1    | <中国用 三相 380V><br>Vキリカエハーネス380V  | <For China, 3-phase 380V AC.><br>VOLTAGE SELECT HARNESS 380V     |    |
| 11     | SA3789101 | 1    | VキリカエハーネスH220V                  | VOLTAGE SELECT HARNESS H220V                                     |    |
| 12     | SA4510001 | 1    | デンSWクミ3P-H                      | POWER SUPPLY SWITCH ASSY, 3P-H                                   |    |
| 13     | SA3828001 | 1    | <欧州用 三相 400V><br>Vキリカエハーネス400V  | <For Europe, 3-phase 400V AC.><br>VOLTAGE SELECT HARNESS 400V    |    |
| 14     | SA3824001 | 1    | <カナダ用 単相 120V><br>Vキリカエハーネス120V | <For Canada, 1-phase 120V AC.><br>VOLTAGE SELECT HARNESS 120V    |    |



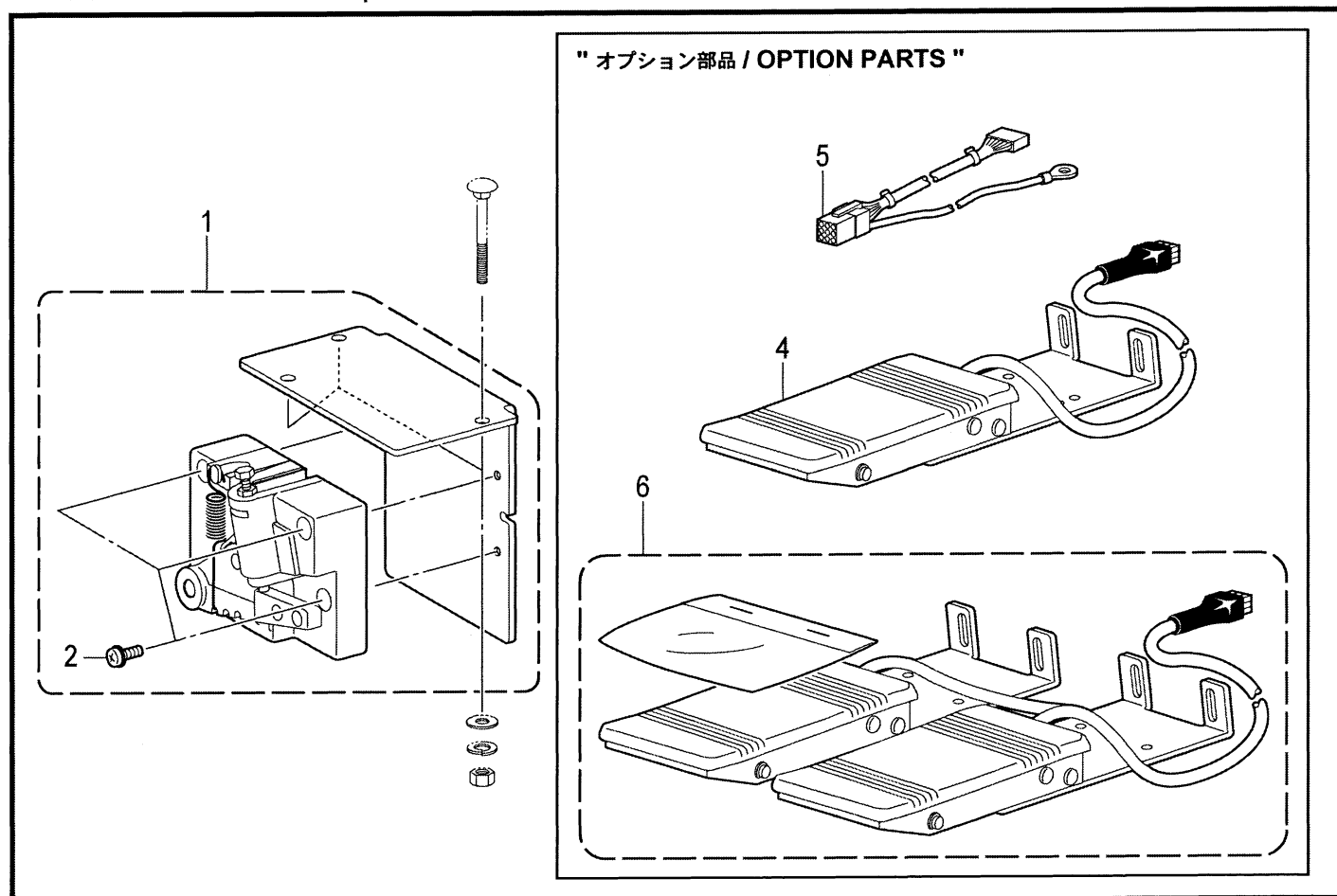
## S. 電装品関係 / Power supply equipment mechanism

| REF.NO | CODE      | Q'TY | 品名             | NAME OF PARTS                 | RM |
|--------|-----------|------|----------------|-------------------------------|----|
| 1      | SA3465001 | 1    | パルスモータXクミ      | PULSE MOTOR ASSY,X            |    |
| 2      | 018401036 | 4    | アナボルト4X10      | BOLT, SOCKET M4X10            |    |
| 3      | SA3469001 | 1    | パルスモータYクミ      | PULSE MOTOR ASSY,Y            |    |
| 4      | 018400836 | 4    | アナボルト4X8       | BOLT, SOCKET M4X8             |    |
| 5      | SA3472001 | 1    | パルスモータPクミ      | PULSE MOTOR ASSY,P            |    |
| 6      | 018401036 | 4    | アナボルト4X10      | BOLT, SOCKET M4X10            |    |
| 7      | SA4127001 | 1    | イトツカミPMクミ      | PULSE MOTOR ASSY,THREAD CATCH |    |
| 8      | 062300816 | 4    | ナベコ3X8         | SCREW, PAN M3X8               |    |
| 9      | 028030246 | 4    | バネザガネ2-3       | WASHER, SPRING 2-3            |    |
| 10     | SA3477001 | 1    | イトツカミゲンテンセンサクミ | HOME POSITION SENSOR THREAD-C |    |
| 11     | 062300816 | 2    | ナベコ3X8         | SCREW, PAN M3X8               |    |
| 12     | SA4347001 | 1    | イトユルメソレノイドクミ   | TENSION RELEASE SOLENOID,ASSY |    |
| 13     | 017400802 | 2    | ボルト4X8         | BOLT, M4X8                    |    |
| 14     | 028040246 | 2    | バネザガネ2-4       | WASHER,SPRING 2-4             |    |
| 15     | 025040236 | 2    | ヒラザガネチュウ4      | WASHER,PLAIN M4               |    |
| 16     | 149547000 | 2    | コードオサエ         | CORD HOLDER, 4N               |    |
| 17     | 0A5401006 | 2    | +ナベザクミ4X10DB   | SCREW, PAN (S/P WASHER) M4X10 |    |
| 18     | SA4348001 | 1    | イトキリソレノイドクミ    | THREAD TRIMMER SOLENOID,ASSY  |    |
| 19     | 017400802 | 2    | ボルト4X8         | BOLT, M4X8                    |    |
| 20     | 028040246 | 2    | バネザガネ2-4       | WASHER,SPRING 2-4             |    |
| 21     | 025040236 | 2    | ヒラザガネチュウ4      | WASHER,PLAIN M4               |    |
| 22     | 146202000 | 1    | ナイロンクリツブ       | CORD HOLDER, 6N               |    |
| 23     | 0A5401006 | 2    | +ナベザクミ4X10DB   | SCREW, PAN (S/P WASHER) M4X10 |    |
| 24     | SA3481001 | 1    | トウブSWクミ        | SWITCH ASSY,MACHINE HEAD      |    |
| 25     | 0A5301605 | 2    | +ナベザクミ3X16DB   | SCREW,PAN(S/P WASHE) M3X16    |    |
| 26     | SA3523101 | 1    | トウブケンシュツユニットクミ | HEAD DETECTOR UNIT,ASSY       |    |
| 27     | 0A5401006 | 2    | +ナベザクミ4X10DB   | SCREW, PAN (S/P WASHER) M4X10 |    |
| 28     | SA3486001 | 1    | ア-スセン350       | GROUND WIRE,350               |    |
| 29     | 0A5401006 | 2    | +ナベザクミ4X10DB   | SCREW, PAN (S/P WASHER) M4X10 |    |
| 30     | S11817000 | 1    | クランプNK-18N     | CLAMP, NK-18N                 |    |
| 31     | 554482000 | 1    | コードホルダ#12      | CORD HOLDER, #12              |    |
| 32     | 0A5401006 | 2    | +ナベザクミ4X10DB   | SCREW, PAN (S/P WASHER) M4X10 |    |



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## U. 踏板關係 / Foot switch pedal mechanism



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# T. モータ関係 / Motor mechanism

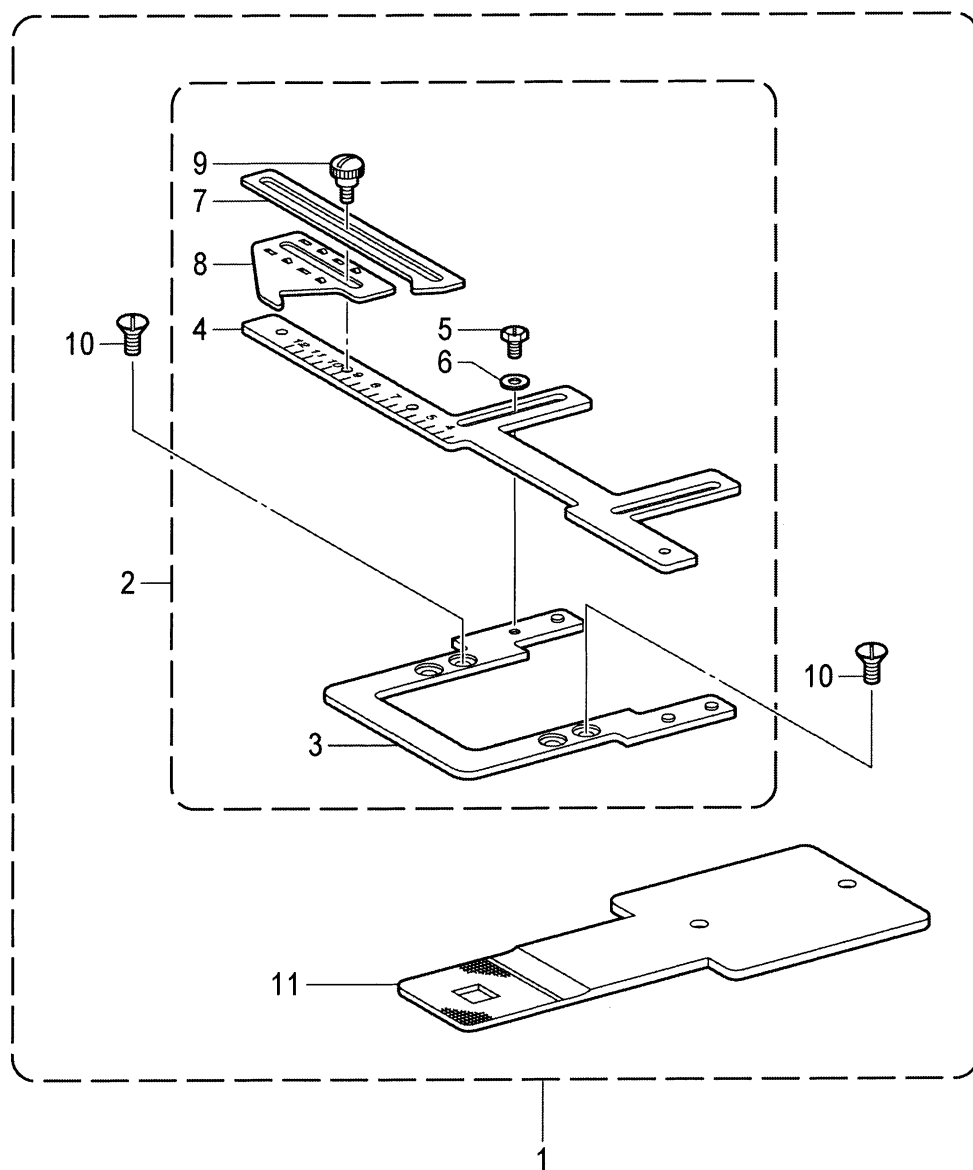
| REF.NO | CODE      | Q'TY | 品名             | NAME OF PARTS                  | RM |
|--------|-----------|------|----------------|--------------------------------|----|
| 1      | J80991001 | 1    | モータクミCDD-430D  | MOTOR ASSY, CDD-430D           |    |
| 2      | J03955001 | 1    | ドラムコティCDD      | DRUM CDD                       |    |
| 3      | 014400632 | 1    | アナクボミ4X6       | SET SCREW, SOCKET (CP) M4X6    |    |
| 4      | J03956001 | 1    | ジシヤク180P36     | MAGNET 180P36                  |    |
| 5      | J03957001 | 1    | MRセンサクミ180P    | MR SENSOR ASSY 180P            |    |
| 6      | 0A4300805 | 1    | +ナベザクミ3X8DA    | SCREW, PAN (S/P WASHER) M3X8   |    |
| 7      | J03958001 | 1    | シヤヘイイタCDD      | SHIELD PLATE CDD               |    |
| 8      | 0A4261005 | 3    | +ナベザクミ26X10DA  | SCREW, PAN (S/P WASHE) M2.6X10 |    |
| 9      | J04488001 | 1    | ENCキバンクミ430D#2 | ENC PCB ASSY, 430D#2           |    |
| 10     | J03983001 | 3    | ホ-ルICEW-400    | HALL ELEMENT: ICEW-400         |    |
| 11     | J03984001 | 2    | ホ-ルICEW-450    | HALL ELEMENT: ICEW-450         |    |
| 12     | 0A5300606 | 3    | +ナベザクミ3X6DB    | SCREW, PAN (S/P WASHER) M3X6   |    |
| 13     | J04230001 | 1    | コードオサエCDD-HT   | CORD HOLDER, CDD-HT            |    |
| 14     | 0A4401005 | 3    | +ナベザクミ4X10DA   | SCREW, PAN (S/P WASHE) M4X10   |    |
| 15     | J04388001 | 1    | エンコ-ダカバ-430D   | ENCODER COVER, 430D            |    |
| 16     | 0A4300805 | 3    | +ナベザクミ3X8DA    | SCREW, PAN (S/P WASHER) M3X8   |    |
| 17     | J04303001 | 1    | プ-リダイクミ430D    | PULLEY HOLDER ASSY, 430D       |    |
| 18     | 014500632 | 2    | アナクボミ5X6       | SET SCREW, SOCKET (CP) M5X6    |    |

KE-430D/BE-438D-650

# U. 踏板関係 / Foot switch pedal mechanism

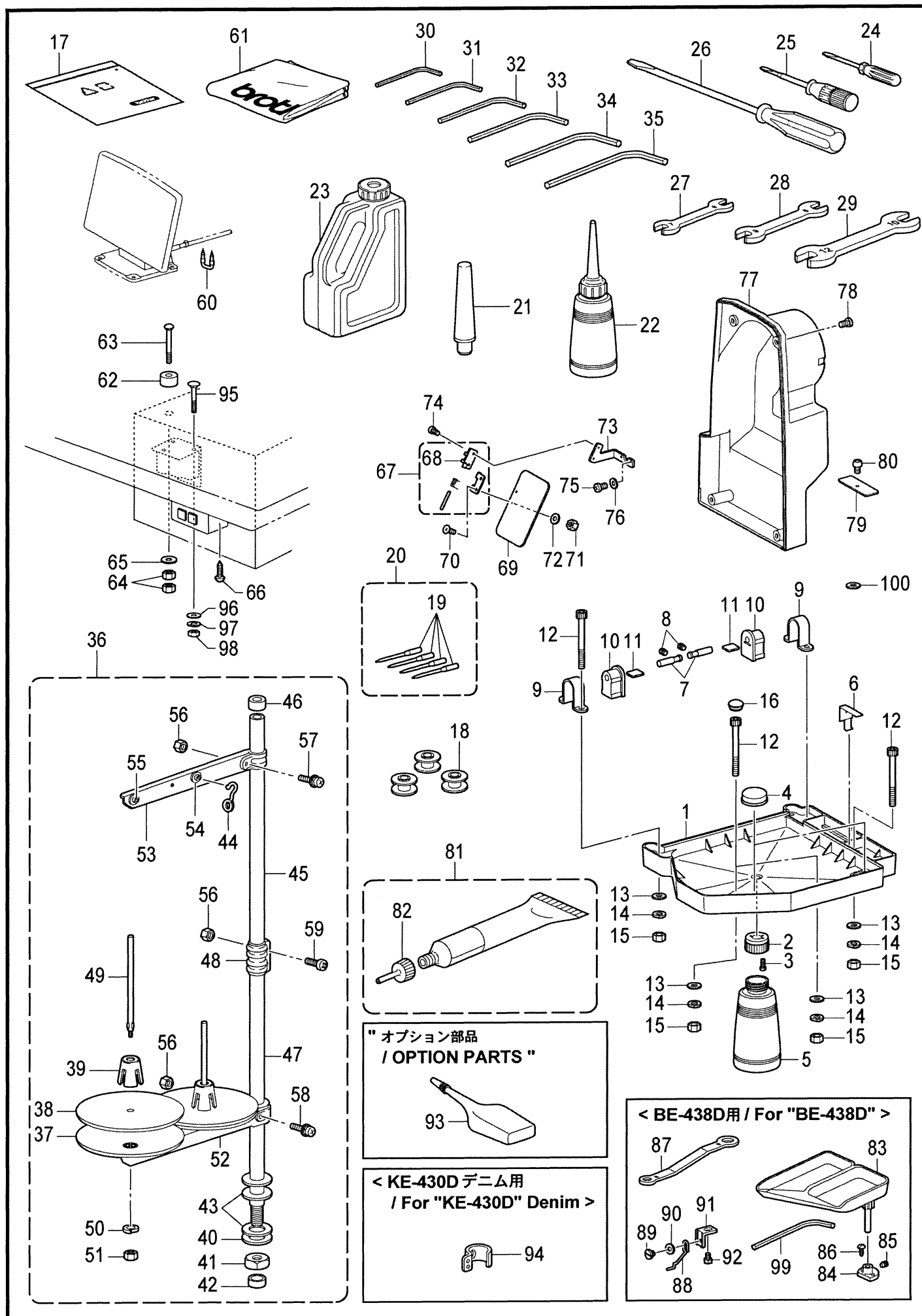
| REF.NO | CODE      | Q'TY | 品名            | NAME OF PARTS                | RM |
|--------|-----------|------|---------------|------------------------------|----|
| 1      | SA3519101 | 1    | フミコミユニットAクミ   | TREADLE UINT,A ASSY          |    |
| 2      | 0A4501005 | 3    | +ナベザクミ5X10DA  | SCREW, PAN (S/P WASHE) M5X10 |    |
|        |           |      | "オプション部品"     | "OPTION PARTS"               |    |
| 5      | SA3784001 | 1    | フットSWヘンカンハーネス | CONVERSION HARNESS,FOOT SW   |    |
| 4      | S49668101 | 1    | 2ダンフットSWクミ    | 2-STEP FOOT SWITCH ASSY      |    |
| 6      | S51846101 | 1    | 2レンフット3SWセット  | 2-PEDAL FOOT SWITCH SET, 3   |    |

KE-430D/BE-438D-651



## V. 補助装置関係(BE-438D用オプション部品) / Auxiliary device (Option parts for BE-438D )

| REF.NO | CODE      | Q'TY | 品名             | NAME OF PARTS          | RM |
|--------|-----------|------|----------------|------------------------|----|
| 1      | SA6156001 | 1    | ボタンスペースセット438D | BUTTON SPACER SET 438D |    |
| 2      | SA6157001 | 1    | ボタンスペースクミ      | BUTTON SPACER ASSY     |    |
| 3      | SA6158001 | 1    | ドダイ            | BASE                   |    |
| 4      | S09658001 | 1    | スケール           | SCALE                  |    |
| 5      | S09686001 | 1    | ボルト4.37-40X7   | BOLT, SM4.37-40X7      |    |
| 6      | S02745001 | 1    | ザガネ            | WASHER                 |    |
| 7      | S09659001 | 1    | イチギメイタA        | POSITIONING PLATE, A   |    |
| 8      | S09660001 | 1    | イチギメイタB        | POSITIONING PLATE, B   |    |
| 9      | 115166001 | 1    | ダンネジ4.37       | SHOULDER SCREW, SM4.37 |    |
| 10     | S25310101 | 2    | サラネジ4          | SCREW, FLAT M4         |    |
| 11     | S13184001 | 1    | スペースヨウオクリイタ    | FEED PLATE             |    |



## Z. 付属品関係 / Accessories

| REF.NO | CODE      | Q'TY | 品名           | NAME OF PARTS                 | RM |
|--------|-----------|------|--------------|-------------------------------|----|
| 1      | SA3383001 | 1    | オイルパン        | OIL PAN                       |    |
| 2      | 154467001 | 1    | ハイユキヤツブ      | DUST OILER                    |    |
| 3      | 037301215 | 2    | Vナベタツピン3X12  | TAPPING SCREW, PAN V M3X12    |    |
| 4      | SA3540001 | 2    | クッションゴム      | RUBBER CUSHION                |    |
| 5      | 114486002 | 1    | ポリオイラータイ     | OILER                         |    |
| 6      | SA3820001 | 1    | トウブスイッチバネ    | SPRING;HEAD                   |    |
| 7      | SA3384001 | 2    | トウブササエピン     | PIN                           |    |
| 8      | 012060636 | 2    | アナヒラ6X6      | SET SCREW, SOCKET (FT) M6X6   |    |
| 9      | SA3385001 | 2    | トウブヒンジウケ     | HINGE HOLDER                  |    |
| 10     | SA3395001 | 2    | トウブヒンジゴム     | RUBBER CUSHION                |    |
| 11     | SA3392001 | 2    | スペーサ         | SPACER                        |    |
| 12     | SA3387001 | 7    | アナボルト6X75    | BOLT, SOCKET M6X75            |    |
| 13     | 025060336 | 7    | ヒラザガネダイ6     | WASHER, PLAIN L 6             |    |
| 14     | 028060246 | 7    | バネザガネ2-6     | WASHER, SPRING 2-6            |    |
| 15     | 021060106 | 7    | 1シュナツト6      | NUT, 1 M6                     |    |
| 16     | S32264001 | 2    | ゴムセン11.5     | RUBBER CAP, 11.5              |    |
| 17     | 122991001 | 1    | フゾクヒンポリフクロ   | ACCESSORY BAG                 |    |
| 18     | *         | 3    | ボビン          | BOBBIN                        |    |
| 19     | *         | 4    | ミシンハリ        | NEEDLE                        |    |
| 20     | *         | 1    | ハリ4コイリクミ     | NEEDLE 4PIECE ASSY            |    |
| 21     | SA3380001 | 1    | マクラ          | HEAD REST                     |    |
| 22     | 114483002 | 1    | ポリオイラークミ     | OILER ASSY                    |    |
| 23     | S55663001 | 1    | オイルタンククミ     | OIL TANK ASSY                 |    |
| 24     | 142443001 | 1    | ネジマワシ1.9X52  | SCREW-DRIVER, 1.9X52          |    |
| 25     | 118837001 | 1    | ネジマワシ3.4X70  | SCREW-DRIVER, 3.4X70          |    |
| 26     | 101572101 | 1    | ネジマワシ5.5X190 | SCREW-DRIVER, 5.5X190         |    |
| 27     | 107779001 | 1    | スパナ6X7       | WRENCH, 6X7                   |    |
| 28     | 100887001 | 1    | スパナ8X9       | WRENCH, 8X9                   |    |
| 29     | 107780001 | 1    | スパナ10X12     | WRENCH, 10X12                 |    |
| 30     | S07783001 | 1    | 6カクボウスパナ1.5  | HEXAGONAL WRENCH, 1.5         |    |
| 31     | 142002001 | 1    | 6カクボウスパナ2    | HEXAGONAL WRENCH, 2           |    |
| 32     | 154125001 | 1    | 6カクボウスパナ2.5  | HEXAGONAL WRENCH, 2.5         |    |
| 33     | 142721001 | 1    | 6カクボウスパナ3    | HEXAGONAL WRENCH, 3           |    |
| 34     | 118064001 | 1    | 6カクボウスパナ4    | HEXAGONAL WRENCH, 4           |    |
| 35     | 150335001 | 1    | 6カクボウスパナ5    | HEXAGONAL WRENCH, 5           |    |
| 36     | S02763502 | 1    | イトタテダイクミ2DR  | COTTON STAND ASSY, 2DR        |    |
| 37     | S51283001 | 2    | ウケザラ         | SPOOL STAND BASE              |    |
| 38     | 150182000 | 2    | スプー尔蒙ット      | SPOOL MAT                     |    |
| 39     | S51282101 | 2    | スプールクッション    | SPOOL CUSHION                 |    |
| 40     | 150206002 | 1    | ヒラザガネ16      | WASHER, PLAIN 16              |    |
| 41     | S38648001 | 1    | 6カクナツトU5/8   | NUT, U5/8-28                  |    |
| 42     | 150174000 | 1    | コラムキャツブ      | COLUMN CAP                    |    |
| 43     | S01005000 | 2    | イトタテゴム       | RUBBER WASHER                 |    |
| 44     | S02747101 | 1    | イトカケバネ       | SPRING                        |    |
| 45     | 150172003 | 1    | コラムパイプ       | COLUMN PIPE                   |    |
| 46     | 150174000 | 1    | コラムキャツブ      | COLUMN CAP                    |    |
| 47     | 156112003 | 1    | コラムパイプD      | COLUMN PIPE, D                |    |
| 48     | 150173003 | 1    | コラムジョイント     | COLUMN JOINT                  |    |
| 49     | 150179002 | 2    | スプールクジク      | SPOOL SHAFT, B                |    |
| 50     | 028050246 | 2    | バネザガネ2-5     | WASHER, SPRING 2-5            |    |
| 51     | 021500106 | 2    | 1シュナツト5      | NUT, 1 M5                     |    |
| 52     | S02778002 | 1    | スプーホルダー2     | SPOOL HOLDER, 2               |    |
| 53     | S02787002 | 1    | スレツドハンガー2    | THREAD HANGER, 2              |    |
| 54     | 150183000 | 2    | イトカケハンガーダイ   | THREAD HANGER BASE            |    |
| 55     | 142990001 | 2    | スレツドブツシュ     | THREAD BUSH                   |    |
| 56     | 021500106 | 4    | 1シュナツト5      | NUT, 1 M5                     |    |
| 57     | S37038001 | 1    | ナベコヒラザ5X14   | SCREW, PAN(S/P WASHER) M5X14  |    |
| 58     | S37037001 | 1    | ナベコヒラザ5X32   | SCREW, PAN (S/P WASHER) M5X32 |    |
| 59     | 062501406 | 2    | ナベコ5X14      | SCREW, PAN M5X14              |    |
| 60     | 200190001 | 7    | ステツプル 10X20  | STAPLE, 10X20                 |    |

KE-430D/BE-438D-910

付属品の明細は変更することがあります。

The details of included accessories are subject to change.



## Z. 付属品関係 / Accessories

| REF.NO | CODE      | Q'TY | 品名                 | NAME OF PARTS                   | RM |
|--------|-----------|------|--------------------|---------------------------------|----|
| 61     | 144226001 | 1    | トウブカバー             | HEAD COVER                      |    |
|        |           |      | <コントロールBox取付用>     | <Setting the control box>       |    |
| 62     | S33006001 | 4    | モータスペーサ            | MOTOR SPACER                    |    |
| 63     | 133740006 | 4    | カクネボルト6X70         | BOLT, SQUARE M6X70              |    |
| 64     | 021060106 | 8    | 1シュナツト6            | NUT, 1 M6                       |    |
| 65     | 025060336 | 4    | ヒラザガネダイ6           | WASHER, PLAIN L 6               |    |
|        |           |      | <電源SW取付用>          | <Setting the power switch>      |    |
| 66     | 032461606 | 2    | +2マルモク45X16        | WOOD SCREW, ROUND 2 M4.5X16     |    |
| 67     | S44483001 | 1    | チヨウバンクミ            | HINGE ASSY                      |    |
| 68     | S44484001 | 1    | アイガードヒンジ           | EYE GUARD HINGE                 |    |
| 69     | S44485001 | 1    | アイガード              | EYE GUARD                       |    |
| 70     | 061300816 | 2    | サラコ3X8             | SCREW, FLAT M3X8                |    |
| 71     | 021300106 | 2    | 1シュナツト3            | NUT, 1 M3                       |    |
| 72     | 026030236 | 2    | ヒラザガネミガキ3          | WASHER, PLAIN M 3               |    |
| 73     | SA4104001 | 1    | アイガードホルダーA         | EYE GUARD HOLDER, A             |    |
| 74     | 062300506 | 2    | ナベコ3X5             | SCREW, PAN M3X5                 |    |
| 75     | 062400616 | 2    | ナベコ4X6             | SCREW, PAN M4X6                 |    |
| 76     | 026040136 | 2    | ヒラザガネコガタ4          | WASHER, PLAIN S 4               |    |
| 77     | SA3388001 | 1    | ウシロカバー             | BACK COVER                      |    |
| 78     | 062061016 | 4    | ナベコ6X10            | SCREW, PAN M6X10                |    |
| 79     | SA3489001 | 1    | オクリイタカバー           | FEED PLATE COVER                |    |
| 80     | 153057101 | 1    | オクリイタシメネジ          | SCREW, ROUND W/SOCKET SM4.37    |    |
| 100    | 148847001 | 1    | ザガネ                | WASHER, PLAIN                   |    |
| 81     | SA2693001 | 1    | グリスクミ              | GREASE UNIT                     |    |
| 82     | SA2695001 | 1    | グリスノズル             | GREASE NOZZLE                   |    |
|        |           |      | <BE-438D用>         | <For "BE-438D">                 |    |
| 83     | S18642009 | 1    | ボタンサラ              | BUTTON TRAY                     |    |
| 84     | 153843009 | 1    | ボタンサラアシホルダ         | BUTTON TRAY HOLDER              |    |
| 85     | 014760632 | 1    | アナクボミ595-28X6      | SET SCREW, SOCKET SM5.95-28X6   |    |
| 86     | 0B1351606 | 2    | +サラモク35X16         | WOOD SCREW, FLAT M3.5X16        |    |
| 87     | 105343001 | 1    | メガネレンチ8X9          | DOUBLE WRENCH, 8X9              |    |
| 88     | 159939001 | 1    | ボタンウカシバネA          | SPRING, A                       |    |
| 89     | 110215002 | 1    | シメネジ3.57           | SCREW SM3.57                    |    |
| 90     | 025660132 | 1    | ヒラザガネショウ3.18       | WASER PLAIN S 3.18              |    |
| 91     | 159938001 | 1    | ボタンウカシバネササエ        | SPRING SUPPORT                  |    |
| 92     | 146360002 | 1    | ボルト4.76X7          | BOLT, SM4.76X7                  |    |
| 93     | S06706001 | 1    | シリコンオイル            | SILICONE OIL                    |    |
| 99     | 154179001 | 1    | 6カクボウスパナ4(ショートタイプ) | HEXAGONAL WRENCH, 4(Short type) |    |
|        |           |      | <KE-430D デニム用>     | <For "KE-430D"Denim>            |    |
| 94     | SA3635101 | 1    | ハリボウイトアンナイB        | NEEDLE BAR THREAD GUIDE,B       |    |
|        |           |      | <踏みユニット取付用>        | <Setting the Treadle Unit>      |    |
| 95     | 119755001 | 3    | カクネボルト6X60         | BOLT, M6X60                     |    |
| 96     | 025060236 | 3    | ヒラザガネチュウ6          | WASHER,PLAIN M 6                |    |
| 97     | 028060246 | 3    | バネザガネ2-6           | WASHER,SPRING 2-6               |    |
| 98     | 021060106 | 3    | 1シュナツト6            | NUT,1 M6                        |    |

KE-430D/BE-438D-910

付属品の明細は変更することがあります。

The details of included accessories are subject to change.

# Sp . 仕様別部品一覧表 (KE-430D / BE-438D) / Different parts list (KE-430D / BE-438D)

KE-430D には下記部品が用意されていますので幅広い用途にご活用ください。

The following are standard gauge parts according to each specification.

◎表中★の部品は、KE-430C(本縫電子門止ミシン)、BE-438C(本縫電子ボタン付けミシン)と共通です。

◎In the following table, parts marked with ★ are common with the KE-430C (Electronic Lockstitch Tacker) & BE-438C (Electronic Lockstitch Button sewer).

◎表中☆の部品は、BAS-311F(プログラム式電子ミシン)と共通です。

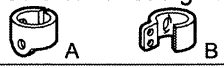
◎In the following table, parts marked with ☆ are common with the BAS-311F (Electronic program Lock Stitcher) .

| 品名<br>Part name                                                                                                                    | 仕様<br>Spec. | KE-430D                   |                       |                       | BE-438D               |
|------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------|-----------------------|-----------------------|-----------------------|
|                                                                                                                                    |             | -2                        | -1                    | -7                    |                       |
| (K-61)<br>針穴板<br>Needle hole plate<br>            |             | ★<br>(φ2.4)<br>SA3336-001 | (φ2.2)<br>SA3653-001  | (φ1.6)<br>SA3652-001  | (φ1.6)<br>SA6133-001  |
| (F-41)<br>ボビンケース組 Bobbin<br>case assy<br>         |             | ★<br>152690-501 < B >     | ★<br>159610-401 < A > | ★<br>159610-401 < A > | ★<br>159610-401 < A > |
|                                                                                                                                    |             | S59221-101 < LC >         |                       |                       |                       |
| (F-42)<br>ボビンケース調子ばね<br>Tension spring<br>        |             | ★<br>154340-101           | ★<br>154339-101 < A > | ★<br>154339-101 < A > | ★<br>154339-101 < A > |
|                                                                                                                                    |             | S48664-001                |                       |                       |                       |
| (F-43)<br>ボビンケースばねねじ<br>Screw<br>               |             | 154341-001                | ★<br>154341-001       | ★<br>154341-001       | ★<br>154341-001       |
|                                                                                                                                    |             | ☆<br>S16492-101 < LA >    |                       |                       |                       |
| (F-44)<br>空転防止ばね<br>Anti-spin spring<br>        |             | ★<br>SA4315-001 < B >     | ★<br>SA4315-001 < A > | ★<br>SA4315-001 < A > | ★<br>SA4315-001 < A > |
|                                                                                                                                    |             | ☆<br>S15667-001 < LA >    |                       |                       |                       |
| (F-45)<br>ボビン<br>Bobbin<br>                     |             | 159613-051                | ★<br>159613-051       | ★<br>159613-051       | ★<br>159613-051       |
|                                                                                                                                    |             | ☆<br>S15665-001 < LA >    |                       |                       |                       |
| (F)<br>中がま箱組<br>Shuttle hook<br>assy, w/box<br> |             | ★<br>SA1882-001 < B >     | ★<br>SA1881-001 < A > | ★<br>SA1881-001 < A > | ★<br>SA1881-001 < A > |
|                                                                                                                                    |             | SA1890-101 < LG >         | SA2173-101 < LF >     |                       |                       |
| (F-40)<br>大がま Shuttle<br>race base<br>          |             | ★<br>152686-101 < B >     | ★<br>152682-101 < A > | ★<br>152682-101 < A > | ★<br>152682-101 < A > |
| (H-14)<br>糸調子ばね<br>Spring,tension<br>           |             | ★<br>107606-001           | ★<br>104525-001       | ★<br>104525-001       | ★<br>104525-001       |
| (H-9)<br>糸取りばね<br>Thread take-up<br>spring<br>  |             | ★<br>144588-001 < B >     | ★<br>145519-001       | ★<br>145519-001       | ★<br>145519-001       |

# Sp . 仕様別部品一覧表 (KE-430D / BE-438D) / Different parts list (KE-430D / BE-438D)

◎表中★の部品は、KE-430C(本縫電子門止ミシン)、BE-438C(本縫電子ボタン付けミシン)と共通です。

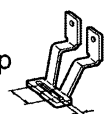
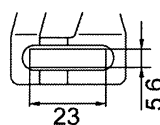
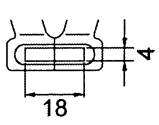
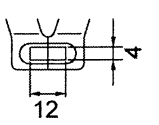
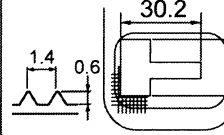
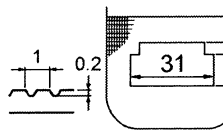
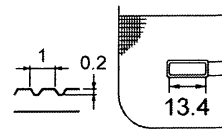
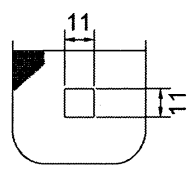
◎In the following table, parts marked with ★ are common with the KE-430C (Electronic Lockstitch Tacker) & BE-438C (Electronic Lockstitch Button sewer).

| KE-430D                                                                                                                               |             |                                     |                                 | BE-438D                            |
|---------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------|---------------------------------|------------------------------------|
| 品名<br>Part name                                                                                                                       | 仕様<br>Spec. | -2                                  | -1                              | -7                                 |
| (H-25, H-24)<br>針棒糸案内<br>Needle bar thread guide<br> |             | ★<br>SA3257-001                     | ★<br>SA3635-001                 | ★<br>SA3635-001                    |
| (Z-20)<br>ミシン針4個入り組<br>Needle assy                                                                                                    |             | ★<br>S37928-419                     | ★<br>107415-414                 | ★<br>107415-409                    |
| (B-34, Z19)<br>針<br>Needle<br>                       |             | ★<br>DP×17 NY < #19 ><br>S37928-019 | ★<br>DP×5 < #14 ><br>107415-014 | ★<br>DP×5 < #9 ><br>107415-009     |
|                                                                                                                                       |             |                                     |                                 | ★<br>DP×17NY < #12 ><br>S37928-012 |

◎標準の押え足、送り板のサイズは、次のとおりです。(実際の縫製エリアは、内枠寸法から約1.5mm内側になります。)

◎Standard sizes for work clamps and feed plates are as follows:

(The actual sewing area has 1.5mm margin on every size; inside the lines which the dimensions indicate.)

| KE-430D                                                                                                                |                                                                                                                                  |                                                                                                                                                 |                                                                                                                                   | BE-438D                                                                                             |
|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 仕様 / Spec.                                                                                                             | -2                                                                                                                               | -1                                                                                                                                              | -7                                                                                                                                |                                                                                                     |
| R                                                                                                                      | 153608-101 ★                                                                                                                     | 152777-001 ★                                                                                                                                    | S49695-001 ★                                                                                                                      |                                                                                                     |
| L                                                                                                                      | 154527-001 ★                                                                                                                     | 152778-001 ★                                                                                                                                    | S49694-001 ★                                                                                                                      |                                                                                                     |
| (C-68, 69)<br>押え足<br>Work clamp<br> |                                               |                                                              |                                              |                                                                                                     |
| (C-28)<br>送り板<br>Feed plate<br>     | S49697-001<br>( 3mm用 )<br>( For 3mm use )<br> | S49698-001<br>( 2mm用 )<br>( 沈下式 L<br>Submerged-type, L )<br> | S49696-001<br>( 2mm用 )<br>( For 2mm use )<br> | SA3606-001<br> |

# Ga . ゲージ部品一覧表 (KE-430D) / Gauge parts list (KE-430D)

## <ゲージ部品>

オプションのゲージ部品には次のものがあります。

押え足 (押え) と送り板は、上下の組合わせになります。

( 押え足はKE-430Cと共通です。)

## < Gauge parts >

The following are provided as optional gauge parts.

Each work clamp pair and presser pair are used in combination with the feed plate directly below them.

(Work clamp is common with to the KE-430C)

|                                 | 1                               | 2                 | 3                 | 4                   |
|---------------------------------|---------------------------------|-------------------|-------------------|---------------------|
| R                               | 152781-001<br>(デニム / For denim) | 153201-001 < PL > | 153203-001 < PS > | S00906-001 (1 inch) |
| L                               | 152782-001<br>(デニム / For denim) | 153202-001 < PL > | 153204-001 < PS > | S00907-001 (1 inch) |
| (C-68, 69)<br>押え足<br>Work clamp |                                 |                   |                   |                     |
| (C-28)<br>送り板<br>Feed plate     | SA3611-001<br>(デニム / For denim) | SA3612-001 < PL > | SA3613-001 < PS > | S49946-001 (1 inch) |
|                                 |                                 |                   |                   |                     |

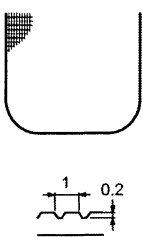
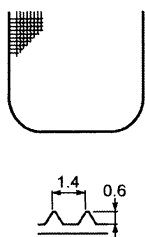
|                                 | 5                 | 6                               | 7                 | 8                                            |
|---------------------------------|-------------------|---------------------------------|-------------------|----------------------------------------------|
| R                               | S33747-001 (30mm) | 153201-001<br>(デニム / For denim) | 152777-001 < PM > | 152779-001<br>(メリヤス / For knitted materials) |
| L                               | S33748-001 (30mm) | 153202-001<br>(デニム / For denim) | 152778-001 < PM > | 152780-001<br>(メリヤス / For knitted materials) |
| (C-68, 69)<br>押え足<br>Work clamp |                   |                                 |                   |                                              |
| (C-28)<br>送り板<br>Feed plate     | SA3615-001 (30mm) | SA3616-001<br>(デニム / For denim) | SA3612-001 (PL)   | SA3608-001<br>(メリヤス / For knitted materials) |
|                                 |                   |                                 |                   |                                              |

|                                         | 9                                              | 10                                                        | 11                                             | 12                                                        |
|-----------------------------------------|------------------------------------------------|-----------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------|
| R                                       | S46771-001<br>(線門止 / For straight bar tacking) | S46771-001<br>(線門・沈 / For straight bar tacking/submerged) | S46774-001<br>(縦門止 / For vertical bar tacking) | S46774-001<br>(縦門・沈 / For vertical bar tacking/submerged) |
| L                                       | S46770-001<br>(線門止 / For straight bar tacking) | S46770-001<br>(線門・沈 / For straight bar tacking/submerged) | S46773-001<br>(縦門止 / For vertical bar tacking) | S46773-001<br>(縦門・沈 / For vertical bar tacking/submerged) |
| (C-68, 69)<br>押え足<br>Work clamp         |                                                |                                                           |                                                |                                                           |
| (C-28)<br>送り板<br>Feed plate             | SA3617-001<br>(線門止 / For straight bar tacking) | SA3618-001<br>(線門・沈 / For straight bar tacking/submerged) | SA3619-001<br>(縦門止 / For vertical bar tacking) | SA3621-001<br>(線門・沈 / For straight bar tacking/submerged) |
|                                         |                                                |                                                           |                                                |                                                           |
| (C)<br>押え足<br>Work clamp<br>ボルト<br>Bolt | 156006-001                                     | S59892-001                                                | 156006-001                                     | S59892-001                                                |
|                                         |                                                |                                                           |                                                |                                                           |

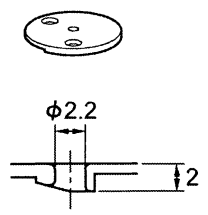
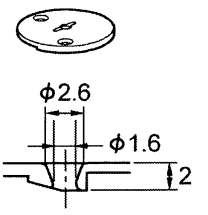
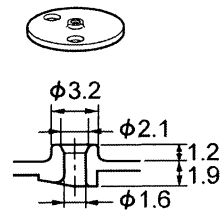
## Ga . ゲージ部品一覧表 (KE-430D) / Gauge parts list (KE-430D)

|                                         | 13                                             |            | 14                                             |            | 15                                             |            |
|-----------------------------------------|------------------------------------------------|------------|------------------------------------------------|------------|------------------------------------------------|------------|
| R                                       | SA2230-001<br>(縦門止 / For vertical bar tacking) |            | SA2233-001<br>(縦門止 / For vertical bar tacking) |            | 152779-001<br>(沈下式 S / Submerged-type,S)       |            |
| L                                       | SA2229-001<br>(縦門止 / For vertical bar tacking) |            | SA2232-001<br>(縦門止 / For vertical bar tacking) |            | 152780-001<br>(沈下式 S / Submerged-type,S)       |            |
| (C-68, 69)<br>押え足<br>Work clamp         |                                                |            |                                                |            |                                                |            |
| (C-28)<br>送り板<br>Feed plate             | SA3610-001<br>(縦門止 / For vertical bar tacking) |            | SA3622-001<br>(縦門止 / For vertical bar tacking) |            | SA3610-001<br>(沈下式 S / Submerged-type,S)       |            |
|                                         |                                                |            |                                                |            |                                                |            |
| (C)<br>押え足<br>Work clamp<br>ボルト<br>Bolt | 156006-001                                     | S59892-001 | 156006-001                                     | S59892-001 | 156006-001                                     | S59892-001 |
|                                         |                                                |            |                                                |            |                                                |            |
|                                         | 16                                             |            | 17                                             |            | 18                                             |            |
| R                                       | S46777-001<br>(菊穴 / For circular stitching)    |            | S46780-001<br>(半月門 / For crescent bar tacking) |            | SA2236-001<br>(半月門 / For crescent bar tacking) |            |
| L                                       | S46776-001<br>(菊穴 / For circular stitching)    |            | S46779-001<br>(半月門 / For crescent bar tacking) |            | SA2235-001<br>(半月門 / For crescent bar tacking) |            |
| (C-68, 69)<br>押え足<br>Work clamp         |                                                |            |                                                |            |                                                |            |
| (C-28)<br>送り板<br>Feed plate             | SA3623-001<br>(菊穴 / For circular stitching)    |            | SA3624-001<br>(半月門 / For crescent bar tacking) |            | SA3625-001<br>(半月門 / For crescent bar tacking) |            |
|                                         |                                                |            |                                                |            |                                                |            |
| (C)<br>押え足<br>Work clamp<br>ボルト<br>Bolt | 156006-001                                     | S59892-001 | 156006-001                                     | S59892-001 | 156006-001                                     | S59892-001 |
|                                         |                                                |            |                                                |            |                                                |            |

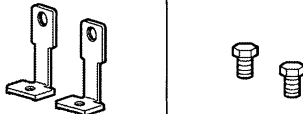
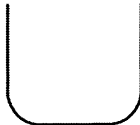
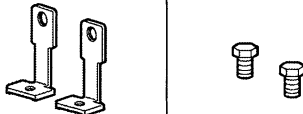
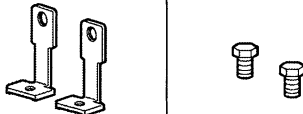
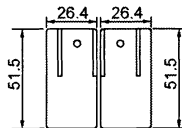
## Ga . ゲージ部品一覧表 (KE-430D, BE-438D) / Gauge parts list (KE-430D, BE-438D)

| (C)<br>送り板<br>ブランク<br>Feed plate<br>blank | SA3626-001<br>菱目有り<br>/ With lozenge                                              | SA3627-001<br>菱目有り<br>/ With lozenge                                              |
|-------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                           |  |  |

## (K-61) その他の針穴板 / For other needle hole plate

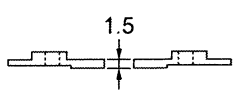
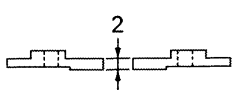
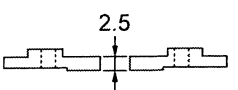
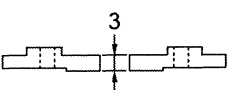
| KE-430D                                                                           |                                                                                   | BE-438D                                                                            |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| SA3645-201                                                                        | SA3646-201                                                                        | SA3654-201                                                                         |
|  |  |  |

## 特注用 / For specially orderd

|                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |
|--------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                      | -1                                                                                  |                                                                                     |                                                                                     |                                                                                     | SA3817-001<br>菱目無し<br>/ Without lozenge                                               |
| R                                    | SA4195-001                                                                          | S59909-001                                                                          | 017680-512                                                                          |  |  |
| L                                    | SA4196-001                                                                          |  |  |                                                                                     |                                                                                       |
| (C)<br>押えブランク<br>Work clamp<br>blank |  |                                                                                     |                                                                                     |                                                                                     |                                                                                       |

## (E) オプション部品 / OPTION PARTS

## ボタンつかみスペーサ / Button clamp spacer

| AL                                                                                  | S52071-001(E-39) | BL                                                                                  | S52072-001(E-41) | CL                                                                                   | S52073-001(E-43) | DL                                                                                    | S52074-001(E-45) |
|-------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------|------------------|
| AR                                                                                  | S52075-001(E-40) | BR                                                                                  | S52076-001(E-42) | CR                                                                                   | S52077-001(E-44) | DR                                                                                    | S52078-001(E-46) |
|  |                  |  |                  |  |                  |  |                  |

# Wa. 警告ラベル / Warning labels

| 警告ラベル / Warning labels | 品名 / Name of parts                    | Size(mm)   | Code                 |
|------------------------|---------------------------------------|------------|----------------------|
|                        | ラベル感電6ヶ国<br>Label, elec. shock 6 lang | 50 X 118   | (P1)<br>J04115-001   |
|                        | ラベル注意・和英<br>Label, caution Jpn / Eng  | 64 X 40    | (A-21)<br>SA2040-001 |
|                        | ラベル注意・中英<br>Label, caution Chn / Eng  | 64 X 40    | (A-21)<br>SA2041-001 |
|                        | アースマーク<br>Label, grounding            | φ 12       | (P1)<br>S37060-001   |
|                        | PE マーク<br>Label, PE                   | 7.5 X 12.5 | (P1)<br>S37059-001   |

KE-430D/BE-438D-Wa

## 索引 / INDEX

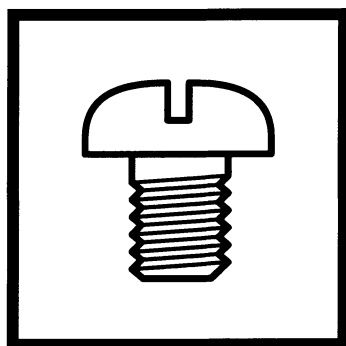
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|-----------|--------|------|-----------|--------|------|-----------|--------|------|-----------|--------|------|
| 004300513 | A - 12 | 2    | 018061236 | N - 16 | 30   | 032461606 | Z - 66 | 46   | 081007070 | M - 12 | 28   |
| 011679312 | E - 16 | 12   | 018061636 | C - 70 | 8    | 037301215 | Z - 3  | 44   | 0A4261005 | T - 8  | 40   |
| 012060536 | C - 45 | 6    |           | D - 44 | 10   | 047250642 | E - 22 | 12   | 0A4300805 | N - 19 | 30   |
|           | D - 32 | 10   | 018063036 | C - 6  | 6    | 047301042 | D - 27 | 10   |           | T - 6  | 40   |
|           | D - 38 | 10   | 018063536 | C - 34 | 6    | 047602042 | D - 4  | 10   |           | T - 16 | 40   |
|           | F - 6  | 14   | 018300636 | N - 24 | 30   | 048040342 | K - 18 | 22   | 0A4401005 | T - 14 | 40   |
| 012060636 | B - 26 | 4    | 018400836 | C - 72 | 8    |           | L - 14 | 26   | 0A4501005 | U - 2  | 40   |
|           | C - 8  | 6    |           | S - 4  | 38   |           | L - 23 | 26   | 0A5300606 | T - 12 | 40   |
|           | C - 13 | 6    | 018401036 | C - 21 | 6    |           | M - 7  | 28   | 0A5301605 | S - 25 | 38   |
|           | C - 15 | 6    |           | S - 2  | 38   | 048050342 | J - 10 | 20   | 0A5401006 | S - 17 | 38   |
|           | C - 19 | 6    |           | S - 6  | 38   |           | J - 19 | 20   |           | S - 23 | 38   |
|           | C - 27 | 6    | 018401636 | B - 29 | 4    | 048060342 | C - 12 | 6    |           | S - 27 | 38   |
|           | D - 13 | 10   | 018500836 | C - 48 | 6    | 048060346 | C - 43 | 6    |           | S - 29 | 38   |
|           | D - 22 | 10   |           | C - 56 | 6    |           | D - 30 | 10   |           | S - 32 | 38   |
|           | D - 28 | 10   | 018501232 | F - 39 | 14   | 048070342 | F - 37 | 14   | 0B1351606 | Z - 86 | 46   |
|           | D - 48 | 10   |           | K - 40 | 22   |           | N - 9  | 30   | 100136001 | H - 20 | 18   |
|           | F - 9  | 14   | 018501636 | B - 3  | 4    | 048080142 | C - 18 | 6    | 100360003 | K - 62 | 24   |
|           | F - 16 | 14   |           | B - 40 | 4    |           | K - 36 | 22   | 100401021 | J - 31 | 20   |
|           | F - 35 | 14   | 021060106 | K - 26 | 22   | 048080342 | D - 11 | 10   | 100402004 | H - 17 | 18   |
|           | H - 28 | 18   |           | K - 30 | 22   |           | D - 24 | 10   | 100887001 | Z - 28 | 44   |
|           | K - 37 | 22   |           | K - 43 | 22   |           | L - 9  | 26   | 101572101 | Z - 26 | 44   |
|           | K - 49 | 22   |           | Z - 15 | 44   | 060400516 | K - 6  | 22   | 102630001 | D - 8  | 10   |
|           | L - 2  | 26   |           | Z - 64 | 46   | 061300816 | Z - 70 | 46   | 102707002 | M - 5  | 28   |
|           | N - 10 | 30   |           | Z - 98 | 46   | 062060816 | G - 9  | 16   | 104449001 | A - 8  | 2    |
|           | Z - 8  | 44   | 021060306 | K - 28 | 22   |           | G - 28 | 16   | 104525001 | Sp     | 47   |
| 012300336 | B - 21 | 4    |           | K - 45 | 22   | 062061016 | A - 6  | 2    | 104821001 | A - 3  | 2    |
|           | B - 24 | 4    | 021300106 | Z - 71 | 46   |           | D - 50 | 10   | 105234003 | E - 8  | 12   |
| 012400436 | F - 12 | 14   | 021400216 | D - 42 | 10   |           | G - 3  | 16   | 105343001 | Z - 87 | 46   |
|           | J - 17 | 20   | 021400306 | M - 4  | 28   |           | J - 35 | 20   | 107415009 | Sp     | 48   |
|           | J - 23 | 20   | 021500106 | Z - 51 | 44   |           | Z - 78 | 46   | 107415014 | Sp     | 48   |
|           | K - 11 | 22   |           | Z - 56 | 44   | 062300416 | A - 17 | 2    | 107415409 | Sp     | 48   |
|           | K - 17 | 22   | 025030236 | A - 18 | 2    |           | B - 5  | 4    | 107415414 | Sp     | 48   |
|           | N - 5  | 30   |           | K - 60 | 24   |           | K - 58 | 24   | 107606001 | Sp     | 47   |
|           | N - 22 | 30   |           | K - 70 | 24   |           | K - 69 | 24   | 107744001 | D - 40 | 10   |
| 012500536 | B - 23 | 4    |           | N - 25 | 30   | 062300506 | Z - 74 | 46   |           | E - 6  | 12   |
|           | B - 37 | 4    | 025040236 | D - 41 | 10   | 062300616 | F - 25 | 14   | 107779001 | Z - 27 | 44   |
|           | C - 4  | 6    |           | L - 22 | 26   | 062300816 | S - 8  | 38   | 107780001 | Z - 29 | 44   |
|           | C - 46 | 6    |           | S - 15 | 38   |           | S - 11 | 38   | 109239002 | A - 15 | 2    |
|           | C - 65 | 8    |           | S - 21 | 38   | 062350616 | J - 8  | 20   | 110215002 | Z - 89 | 46   |
|           | D - 12 | 10   | 025050134 | L - 13 | 26   | 062400616 | G - 7  | 16   | 110367001 | B - 20 | 4    |
|           | D - 20 | 10   | 025050236 | C - 50 | 6    |           | G - 11 | 16   |           | C - 42 | 6    |
|           | D - 25 | 10   |           | M - 8  | 28   |           | Z - 75 | 46   | 114483002 | Z - 22 | 44   |
|           | F - 11 | 14   | 025060236 | C - 32 | 6    | 062400806 | B - 39 | 4    | 114486002 | Z - 5  | 44   |
|           | F - 47 | 14   |           | C - 37 | 6    | 062400816 | B - 41 | 4    | 115147001 | E - 14 | 12   |
|           | J - 3  | 20   |           | C - 71 | 8    |           | K - 4  | 22   | 115148101 | E - 13 | 12   |
|           | J - 34 | 20   |           | D - 45 | 10   | 062401006 | A - 20 | 2    | 115156001 | E - 21 | 12   |
|           | L - 6  | 26   |           | N - 3  | 30   |           | L - 21 | 26   | 115158001 | E - 26 | 12   |
|           | L - 10 | 26   |           | Z - 96 | 46   | 062401216 | J - 13 | 20   | 115164101 | E - 33 | 12   |
|           | L - 17 | 26   | 025060336 | Z - 13 | 44   | 062500616 | H - 2  | 18   | 115165001 | E - 34 | 12   |
| 014400632 | T - 3  | 40   |           | Z - 65 | 46   |           | H - 4  | 18   | 115166001 | E - 35 | 12   |
| 014500632 | T - 18 | 40   | 025660132 | Z - 90 | 46   |           | H - 6  | 18   |           | V - 9  | 42   |
| 014680632 | E - 3  | 12   | 026030136 | F - 24 | 14   |           | J - 29 | 20   | 117608001 | A - 24 | 2    |
| 014760632 | E - 9  | 12   | 026030236 | Z - 72 | 46   | 062501016 | A - 9  | 2    | 117934001 | A - 2  | 2    |
|           | Z - 85 | 46   | 026040136 | Z - 76 | 46   | 062501406 | Z - 59 | 44   | 118064001 | Z - 34 | 44   |
| 017400802 | S - 13 | 38   | 028030246 | K - 59 | 24   | 062670412 | H - 31 | 18   | 118837001 | Z - 25 | 44   |
|           | S - 19 | 38   |           | S - 9  | 38   | 062680512 | E - 25 | 12   | 119755001 | Z - 95 | 46   |
| 017401015 | M - 3  | 28   | 028040246 | S - 14 | 38   | 062680812 | E - 29 | 12   | 120448001 | J - 22 | 20   |
| 017680512 | Ga     | 51   |           | S - 20 | 38   | 070608800 | C - 17 | 6    | 122991001 | Z - 17 | 44   |
| 017711412 | E - 10 | 12   | 028050246 | C - 49 | 6    | 070688850 | D - 33 | 10   | 133740006 | Z - 63 | 46   |
| 018061236 | C - 31 | 6    |           | K - 74 | 22   | 070696800 | D - 18 | 10   | 140392009 | A - 1  | 2    |
|           | C - 36 | 6    |           | Z - 50 | 44   | 071031840 | C - 73 | 8    |           | A - 4  | 2    |
|           | D - 35 | 10   | 028060246 | Z - 14 | 44   | 081003670 | F - 18 | 14   | 142002001 | Z - 31 | 44   |
|           | N - 2  | 30   |           | Z - 97 | 46   | 081005070 | L - 15 | 26   | 142443001 | Z - 24 | 44   |

| CODE      | REF.NO  | Page | CODE      | REF.NO  | Page | CODE      | REF.NO | Page | CODE      | REF.NO  | Page |
|-----------|---------|------|-----------|---------|------|-----------|--------|------|-----------|---------|------|
| 142721001 | Z - 33  | 44   | 153567000 | C - 61  | 8    | S06706001 | Z - 93 | 46   | S44924001 | F - 28  | 14   |
| 142990001 | Z - 55  | 44   | 153568001 | C - 59  | 8    | S07333001 | G - 23 | 16   | S45849000 | G - 16  | 16   |
| 143671000 | G - 21  | 16   | 153596001 | N - 8   | 30   | S07783001 | Z - 30 | 44   | S46770001 | Ga      | 49   |
| 144226001 | Z - 61  | 46   | 153608101 | Sp      | 48   | S09658001 | V - 4  | 42   | S46771001 | Ga      | 49   |
| 144458001 | B - 31  | 4    | 153827001 | E - 2   | 12   | S09659001 | V - 7  | 42   | S46773001 | Ga      | 49   |
| 144588001 | Sp      | 47   | 153830000 | E - 1   | 12   | S09660001 | V - 8  | 42   | S46774001 | Ga      | 49   |
| 145446001 | H - 16  | 18   | 153838001 | D - 47  | 10   | S09686001 | V - 5  | 42   | S46776001 | Ga      | 50   |
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| 146360002 | Z - 92  | 46   | 154596000 | K - 23  | 22   | S15667001 | Sp     | 47   | S49696001 | Sp      | 48   |
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| 152682101 | Sp      | 47   | 159939001 | Z - 88  | 46   | S25235001 | B - 16 | 4    |           | Ga      | 51   |
| 152684101 | F - 23  | 14   | 200190001 | Z - 60  | 44   | S25310101 | K - 72 | 24   | S52073001 | E - 43  | 12   |
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| SA4188001 | F - 14  | 14   |           |         |      |      |        |      |      |        |      |
| SA4189001 | F - 14  | 14   |           |         |      |      |        |      |      |        |      |
| SA4190001 | F - 14  | 14   |           |         |      |      |        |      |      |        |      |
| SA4195001 | Ga      | 51   |           |         |      |      |        |      |      |        |      |
| SA4196001 | Ga      | 51   |           |         |      |      |        |      |      |        |      |
| SA4197001 | C - 14  | 6    |           |         |      |      |        |      |      |        |      |
| SA4198001 | C - 74  | 8    |           |         |      |      |        |      |      |        |      |
| SA4199001 | F - 21  | 14   |           |         |      |      |        |      |      |        |      |
| SA4221001 | G - 27  | 16   |           |         |      |      |        |      |      |        |      |
| SA4222001 | G - 29  | 16   |           |         |      |      |        |      |      |        |      |



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〒467-8561 名古屋市瑞穂区苗代町 15 番 1 号 TEL (052) 824-2392

**BROTHER INDUSTRIES, LTD.** <http://www.brother.com/>

15-1, Naeshiro-cho, Mizuho-ku, Nagoya 467-8561, Japan. Phone : 81-52-824-2177

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