



**JINTEX**

Sewing Machine Spare Parts

# **Brother HE-800A (90 pages)**

Sewing Machine Part Book

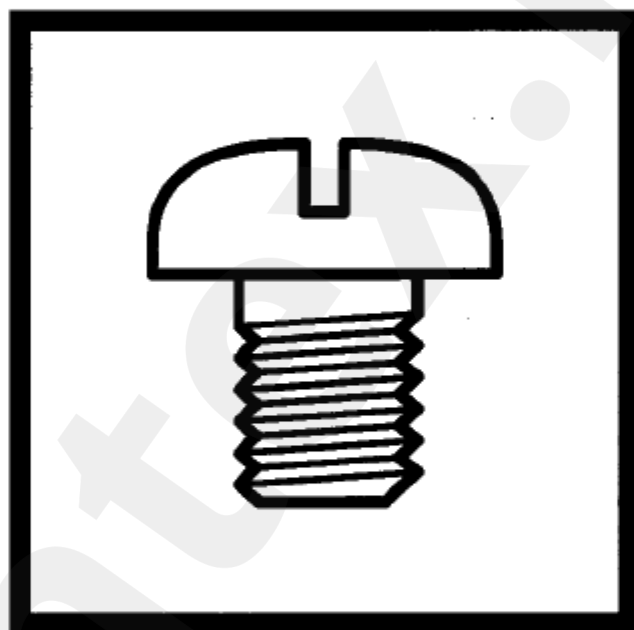
90 pages

# HE-8000

パーツブック  
PARTS BOOK

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本縫電子ボタン穴かがりミシン  
ELECTRONIC LOCKSTITCH BUTTON HOLDER



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**brother**®



①

- ① — 2 : 布帛用 / For General materials  
— 3 : ニット用 / For Knitted materials  
— 5 : 長穴用 (70mm) / For long-hole (70mm)

## パーツブックご利用に際して

- 1 この本は、2002年5月のデータに基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、   破線で示しております。

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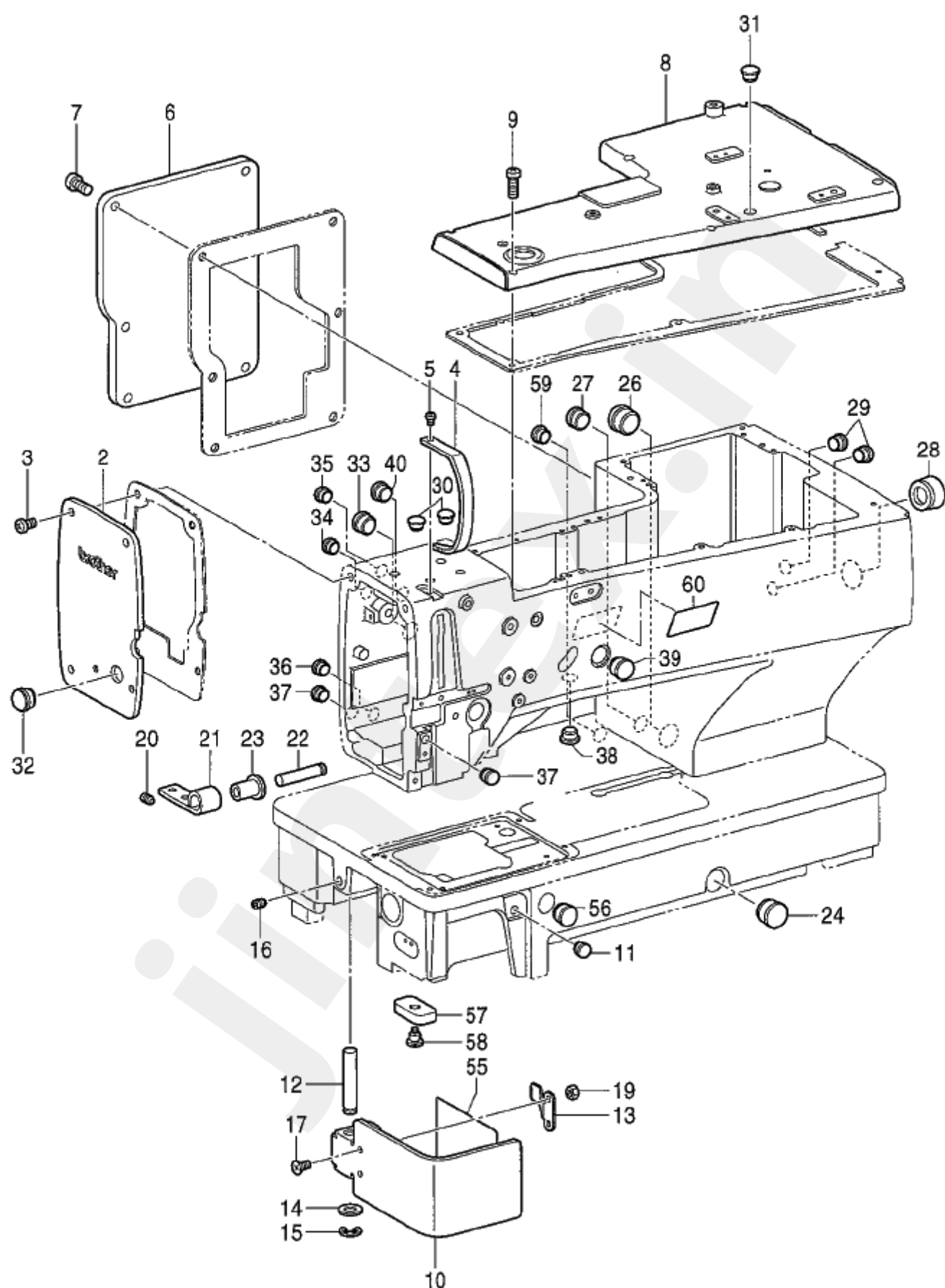
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## Notes for using this parts book

- 1 This book was prepared based on information available in May 2002.
- 2 Parts are subject to changes in design without prior notice.
- 3 Parts supplied as complete assemblies are circled by a dotted line [.....].

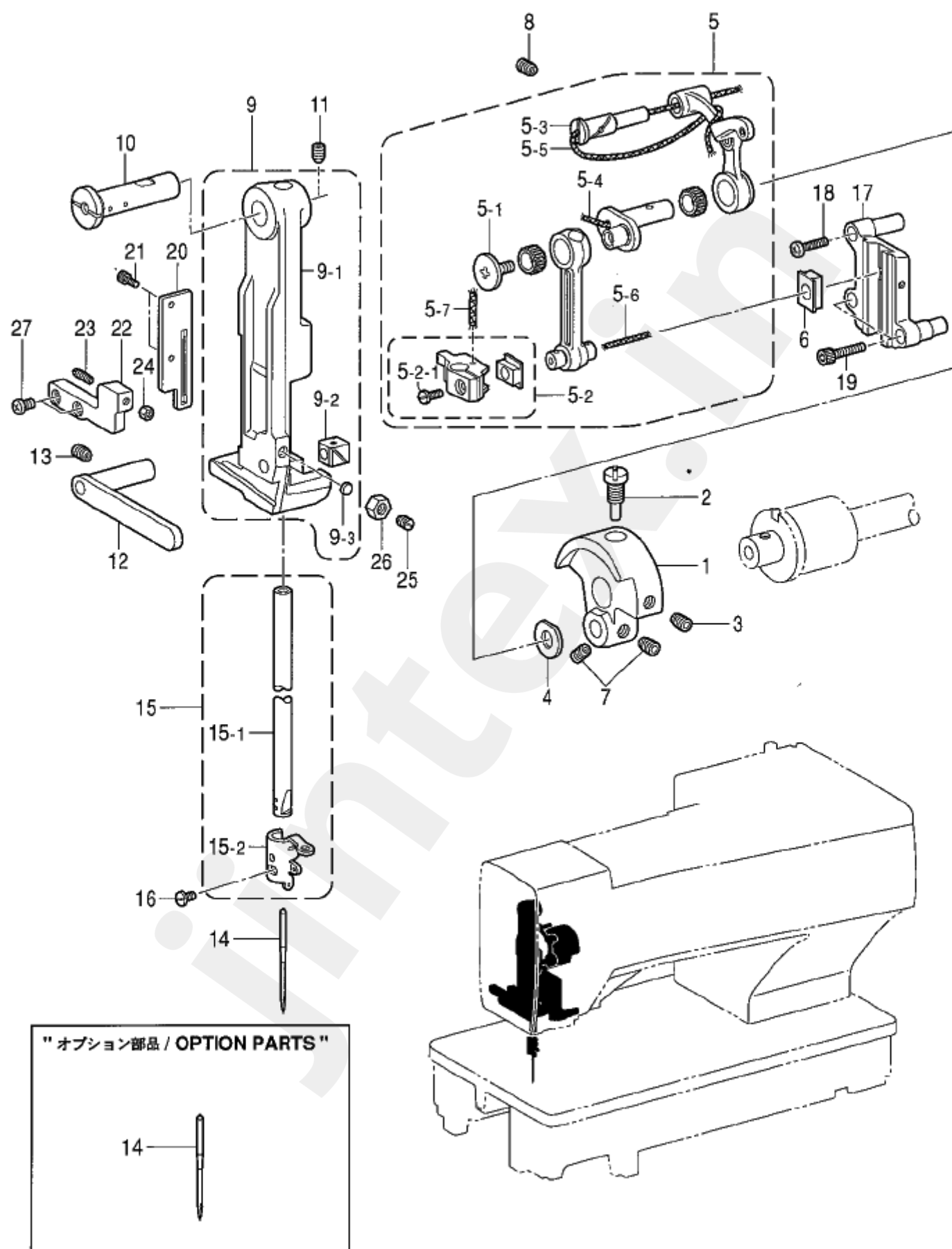
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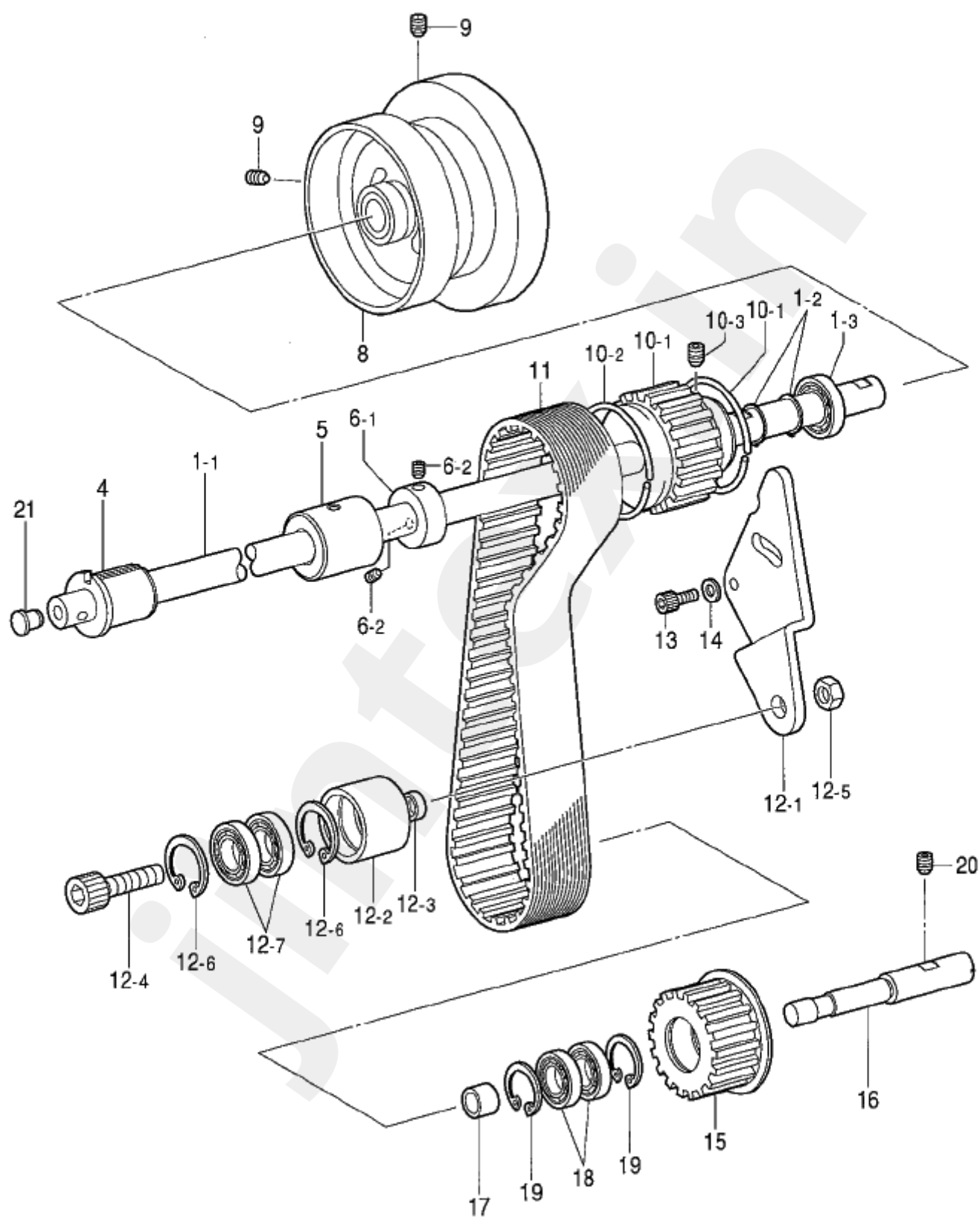
## A.主体関係 / Machine body

| REF.NO | CODE      | QTY | 品名           | NAME OF PARTS            | RM |
|--------|-----------|-----|--------------|--------------------------|----|
| 2      | S50124001 | 1   | メンタ          | FACE PLATE               |    |
| 3      | 062711012 | 4   | ナハコ476-32X10 | SCREW, PAN SM4.76-32X10  |    |
| 4      | S50125001 | 1   | デレソカハ        | COVER, ;T/TAKE-UP LEVER  |    |
| 5      | 062680612 | 1   | ナハコ4.37-40X6 | SCREW, PAN SM4.37-40X6   |    |
| 6      | S50126001 | 1   | カワタ          | REAR COVER               |    |
| 7      | 062711012 | 6   | ナハコ476-32X10 | SCREW, PAN SM4.76-32X10  |    |
| 8      | S50127001 | 1   | ウワタ          | TOP COVER                |    |
| 9      | 062711612 | 6   | ナハコ476-32X16 | SCREW, PAN SM4.76-32X16  |    |
| 10     | S50128001 | 1   | カマカハ         | COVER, ;R-HOOK           |    |
| 11     | 104450101 | 1   | ゴムセン8        | RUBBER CAP, 8            |    |
| 12     | 158879001 | 1   | カマカハシク       | SHAFT, ;R-HOOK COVER     |    |
| 13     | S00306001 | 1   | ヒンジイタハネ      | SPRING, PLATE            |    |
| 14     | 025080132 | 1   | ヒサガネシヨウ8     | WASHER, PLAIN S 8        |    |
| 15     | 048060342 | 1   | トメE6         | RETAINING RING, E6       |    |
| 16     | 014760622 | 1   | アトメネシ5.95    | SET SCREW, SOCKET SM5.95 |    |
| 17     | 117143003 | 2   | サネシ4.37      | SCREW, FLAT SM4.37       |    |
| 19     | 021680202 | 2   | ナツトシヨウ4.37   | NUT, 2 SM4.37            |    |
| 20     | 014760622 | 2   | アトメネシ5.95    | SET SCREW, SOCKET SM5.95 |    |
| 21     | 158830001 | 2   | ヒンジ          | BED HINGE                |    |
| 22     | 158831001 | 2   | ヒンジピン        | PIN                      |    |
| 23     | 158832000 | 2   | ヒンジピンサエコム    | PIN SUPPORT RUBBER       |    |
| 24     | 159150000 | 1   | ゴムセン20.5     | RUBBER CAP, 20.5         |    |
| 25     | 117934001 | 1   | ゴムセン13.5     | RUBBER CAP, 13.5         |    |
| 26     | 159150000 | 1   | ゴムセン20.5     | RUBBER CAP, 20.5         |    |
| 27     | 104449001 | 1   | ゴムセン15.5     | RUBBER CAP, 15.5         |    |
| 28     | 104451101 | 1   | ゴムセン23.9     | RUBBER CAP, 23.9         |    |
| 29     | 104450101 | 2   | ゴムセン8        | RUBBER CAP, 8            |    |
| 30     | 104450101 | 2   | ゴムセン8        | RUBBER CAP, 8            |    |
| 31     | 104450101 | 1   | ゴムセン8        | RUBBER CAP, 8            |    |
| 32     | 104449001 | 1   | ゴムセン15.5     | RUBBER CAP, 15.5         |    |
| 33     | 104449001 | 1   | ゴムセン15.5     | RUBBER CAP, 15.5         |    |
| 34     | 104450101 | 1   | ゴムセン8        | RUBBER CAP, 8            |    |
| 35     | 104450101 | 1   | ゴムセン8        | RUBBER CAP, 8            |    |
| 36     | 104450101 | 1   | ゴムセン8        | RUBBER CAP, 8            |    |
| 37     | 104450101 | 2   | ゴムセン8        | RUBBER CAP, 8            |    |
| 38     | 104450101 | 1   | ゴムセン8        | RUBBER CAP, 8            |    |
| 39     | 104449001 | 2   | ゴムセン15.5     | RUBBER CAP, 15.5         |    |
| 40     | S32263001 | 3   | ゴムセン8.5      | RUBBER CAP, 8.5          |    |
| 55     | S50131001 | 1   | イトオシツメイタ     | THREADING DIAGRAM        |    |
| 56     | 104449001 | 1   | ゴムセン15.5     | RUBBER CAP, 15.5         |    |
| 57     | S50340000 | 2   | ベツタイクグシヨ     | BED BASE CUSHION         |    |
| 58     | 120263001 | 2   | タネネシ4.37     | SCREW                    |    |
| 59     | 117936001 | 1   | ゴムセン9.4      | RUBBER CAP, 9.4          |    |
| 60     | S44629002 | 1   | E7-7         | LABEL, E                 |    |



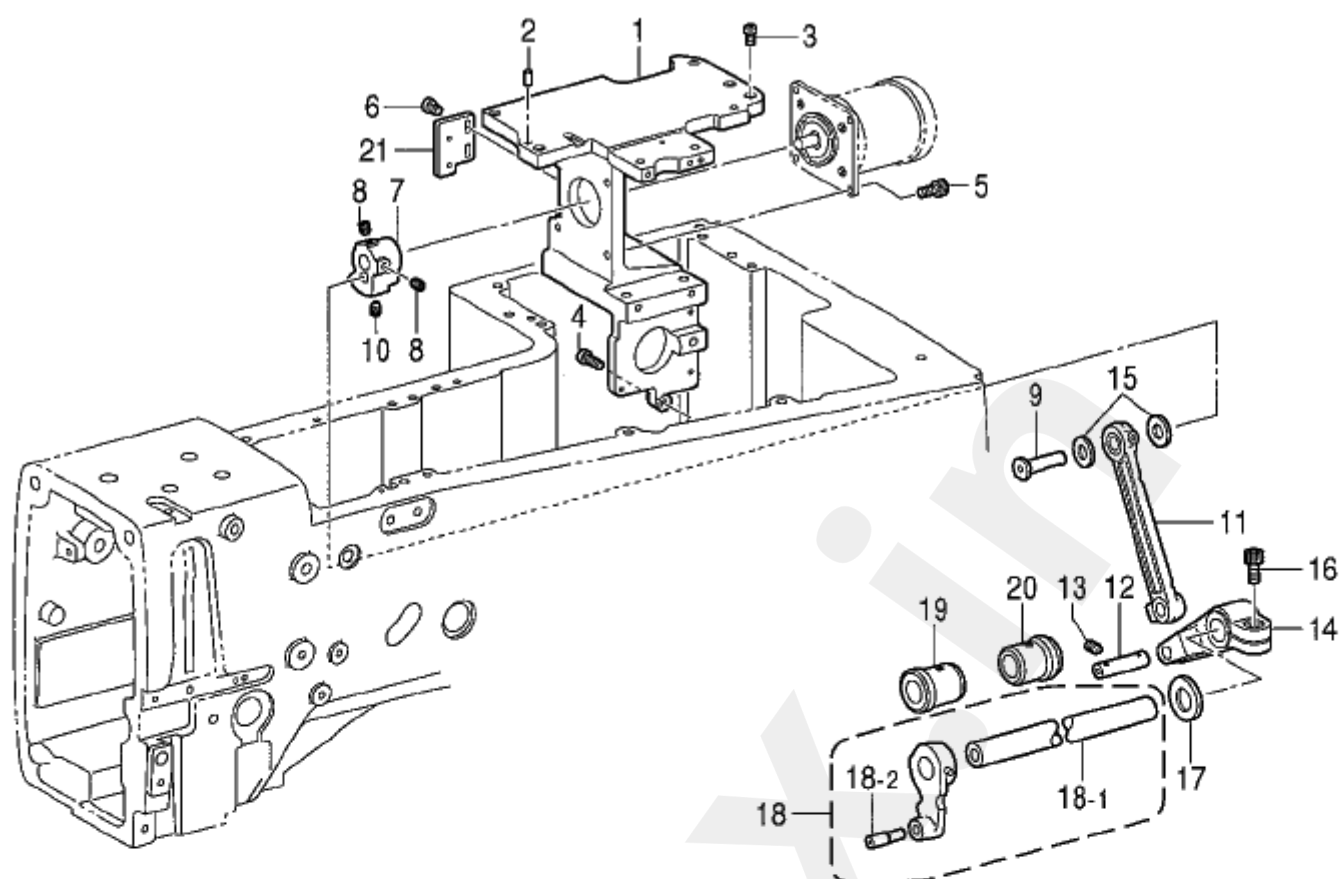
## B.針棒・天秤関係 / Needle bar and thread take-up mechanism

| REF.NO | CODE      | QTY | ヒンメイ                                                                          | NAME OF PARTS                 | RM |
|--------|-----------|-----|-------------------------------------------------------------------------------|-------------------------------|----|
| 1      | S50132000 | 1   | デレ <sup>ン</sup> クランク                                                          | THREAD TAKE-UP CRANK          |    |
| 2      | 100250001 | 1   | シメネジ <sup>7.14</sup>                                                          | SCREW, SM7.14                 |    |
| 3      | 014770622 | 1   | アタメネジ <sup>6.35</sup> ホ <sup>ミ</sup>                                          | SET SCREW, SOCKET (CP) SM6.35 |    |
| 4      | 110367001 | 1   | ワ <sup>カ</sup> ネ                                                              | WASHER, PLAIN SPECIAL 8       |    |
| 5      | S50133001 | 1   | ハリホ <sup>ウ</sup> レ <sup>ン</sup> カクミ                                           | THREAD TAKE-UP LEVER SET      |    |
| 5-1    | 145465001 | 1   | シメネジ <sup>3.57</sup> L                                                        | SCREW, SM3.57-40X6 L          |    |
| 5-2    | S50136001 | 1   | ハリホ <sup>ウ</sup> タ <sup>キ</sup> ノウクミ                                          | NEEDLE BAR CLAMP SET          |    |
| 5-2-1  | 140004001 | 1   | シメネジ <sup>3.57</sup>                                                          | SCREW, SM3.57-40X7            |    |
| 5-3    | S52943001 | 1   | デレ <sup>ン</sup> サ <sup>サ</sup> エ <sup>ン</sup> ク                               | SUPPORT SHAFT                 |    |
| 5-4    | 140430001 | 1   | ウ <sup>キ</sup> ヒモ                                                             | WICK, L=40                    |    |
| 5-5    | S50142000 | 1   | ウ <sup>キ</sup> ヒモ <sup>3X290</sup>                                            | WICK, 3X30                    |    |
| 5-6    | S50271000 | 1   | ウ <sup>キ</sup> ヒモ <sup>2X35</sup>                                             | WICK, 2X35                    |    |
| 5-7    | S50272000 | 1   | ウ <sup>キ</sup> ヒモ <sup>3X15</sup>                                             | WICK, 3X15                    |    |
| 6      | S52248001 | 1   | ハリホ <sup>ウ</sup> ア <sup>ン</sup> ナ <sup>イ</sup> カ <sup>ク</sup> コ <sup>マ</sup>  | SLIDE BLOCK, ;N-BAR BRACKET   |    |
| 7      | 014770622 | 2   | アタメネジ <sup>6.35</sup> ホ <sup>ミ</sup>                                          | SET SCREW, SOCKET (CP) SM6.35 |    |
| 8      | 014760622 | 1   | アタメネジ <sup>5.95</sup>                                                         | SET SCREW, SOCKET SM5.95      |    |
| 9      | S50143001 | 1   | ハリホ <sup>ウ</sup> タ <sup>キ</sup> イ <sup>ノ</sup> ウ <sup>ク</sup> ミ               | NEEDLE BAR BRACKET SET        |    |
| 9-1    | S50144001 | 1   | ハリホ <sup>ウ</sup> タ <sup>キ</sup> イ <sup>ク</sup> ミ                              | NEEDLE BAR BRACKET ASSY       |    |
| 9-2    | 159624001 | 1   | ハリホ <sup>ウ</sup> タ <sup>キ</sup> イ <sup>カ</sup> コ <sup>マ</sup>                 | SLIDE BLOCK, ;N-BAR BRACKET   |    |
| 9-3    | S50146001 | 1   | スト <sup>ッ</sup> パ <sup>イ</sup> タ                                              | STOPPER PLATE                 |    |
| 10     | 158888001 | 1   | ハリホ <sup>ウ</sup> タ <sup>キ</sup> イ <sup>サ</sup> エ <sup>ン</sup> ク               | SUPPORT SHAFT, ;N-BAR BRACKET |    |
| 11     | 014760622 | 1   | アタメネジ <sup>5.95</sup>                                                         | SET SCREW, SOCKET SM5.95      |    |
| 12     | S50147001 | 1   | ハリホ <sup>ウ</sup> タ <sup>キ</sup> イ <sup>ン</sup> ナ <sup>イ</sup>                 | GUIDE, ;N-BAR BRACKET         |    |
| 13     | 014760622 | 1   | アタメネジ <sup>5.95</sup>                                                         | SET SCREW, SOCKET SM5.95      |    |
|        |           |     | <国内-2用、-3用>                                                                   |                               |    |
| 14     | S50180075 | 1   | ミ <sup>シ</sup> ン <sup>ハ</sup> リ <sup>134</sup> <#11 NM75>                     | NEEDLE, NM75                  |    |
|        |           |     | <輸出-2用、-5用>                                                                   |                               |    |
| 14     | S50180090 | 1   | ミ <sup>シ</sup> ン <sup>ハ</sup> リ <sup>134</sup> <#14 NM90>                     | NEEDLE, NM90                  |    |
|        |           |     | "オプション部品"                                                                     | "OPTION PARTS"                |    |
| 14     | S50180065 | 1   | ミ <sup>シ</sup> ン <sup>ハ</sup> リ <sup>134</sup> <#9 NM65>                      | NEEDLE, NM65                  |    |
| 14     | S50180070 | 1   | ミ <sup>シ</sup> ン <sup>ハ</sup> リ <sup>134</sup> <#10 NM70>                     | NEEDLE, NM70                  |    |
| 14     | S50180080 | 1   | ミ <sup>シ</sup> ン <sup>ハ</sup> リ <sup>134</sup> <#12 NM80>                     | NEEDLE, NM80                  |    |
| 14     | S50180085 | 1   | ミ <sup>シ</sup> ン <sup>ハ</sup> リ <sup>134</sup> <#13 NM85>                     | NEEDLE, NM85                  |    |
| 14     | S48371060 | 1   | ミ <sup>シ</sup> ン <sup>ハ</sup> リ <sup>134</sup> SUK <#14 NM90>                 | NEEDLE, NM60                  |    |
| 14     | S48371065 | 1   | ミ <sup>シ</sup> ン <sup>ハ</sup> リ <sup>134</sup> SUK <#9 NM65>                  | NEEDLE, NM65                  |    |
| 14     | S48371070 | 1   | ミ <sup>シ</sup> ン <sup>ハ</sup> リ <sup>134</sup> SUK <#10 NM70>                 | NEEDLE, NM70                  |    |
| 14     | S48371075 | 1   | ミ <sup>シ</sup> ン <sup>ハ</sup> リ <sup>134</sup> SUK <#11 NM75>                 | NEEDLE, NM75                  |    |
| 14     | S48371080 | 1   | ミ <sup>シ</sup> ン <sup>ハ</sup> リ <sup>134</sup> SUK <#12 NM80>                 | NEEDLE, NM80                  |    |
| 14     | S48371090 | 1   | ミ <sup>シ</sup> ン <sup>ハ</sup> リ <sup>134</sup> SUK <#14 NM90>                 | NEEDLE, NM90                  |    |
| 15     | S50148001 | 1   | ハリホ <sup>ウ</sup> タ <sup>キ</sup>                                               | NEEDLE BAR ASSY               |    |
| 15-1   | 158885201 | 1   | ハリホ <sup>ウ</sup>                                                              | NEEDLE BAR                    |    |
| 15-2   | S50149101 | 1   | ハリホ <sup>ウ</sup> タ <sup>キ</sup> イ <sup>ン</sup> ナ <sup>イ</sup>                 | THREAD GUIDE, ;N-BAR          |    |
| 16     | 140553102 | 1   | ア <sup>タ</sup> マ <sup>ツ</sup> キ <sup>ト</sup> メ <sup>ネ</sup> ジ <sup>3.18</sup> | SET SCREW, SM3.18             |    |
| 17     | S50150001 | 1   | ク <sup>ラ</sup> ンク <sup>ロ</sup> ッド <sup>イ</sup> ン <sup>ナ</sup> イ               | CRANK ROD GUIDE               |    |
| 18     | S31808001 | 1   | ナ <sup>ハ</sup> コ <sup>437-40X25</sup>                                         | SCREW, PAN SM4.37-40X25       |    |
| 19     | 150382001 | 2   | ア <sup>ナ</sup> ホ <sup>ル</sup> ト <sup>4.37X18</sup>                            | BOLT, SOCKET SM4.37X18        |    |
| 20     | S50152001 | 1   | ハリホ <sup>ウ</sup> ア <sup>ン</sup> ナ <sup>イ</sup>                                | GUIDE, ;N-BAR                 |    |
| 21     | 154965001 | 2   | ア <sup>ナ</sup> ホ <sup>ル</sup> ト <sup>3.57X8</sup>                             | BOLT, SOCKET SM3.57X8         |    |
| 22     | S50153001 | 1   | ハリホ <sup>ウ</sup> タ <sup>キ</sup> イ <sup>ス</sup> ト <sup>ッ</sup> パ <sup>イ</sup>  | STOPPER                       |    |
| 23     | 153483001 | 1   | ト <sup>メ</sup> ネ <sup>ジ</sup> <sup>4.76</sup>                                 | SET SCREW, SM4.76             |    |
| 24     | 021710202 | 1   | ナ <sup>ツ</sup> ト <sup>2</sup> 2 <sup>4.76</sup>                               | NUT, 2 SM4.76                 |    |
| 25     | 013761410 | 1   | ト <sup>メ</sup> ネ <sup>ジ</sup> <sup>5.95</sup> ホ <sup>ミ</sup>                  | SET SCREW, (CP) SM5.95X14     |    |
| 26     | 100022005 | 1   | ナ <sup>ツ</sup> ト <sup>5.95</sup>                                              | NUT, SM5.95                   |    |
| 27     | 062681012 | 2   | ナ <sup>ハ</sup> コ <sup>437-40X10</sup>                                         | SCREW, PAN SM4.37-40X10       |    |

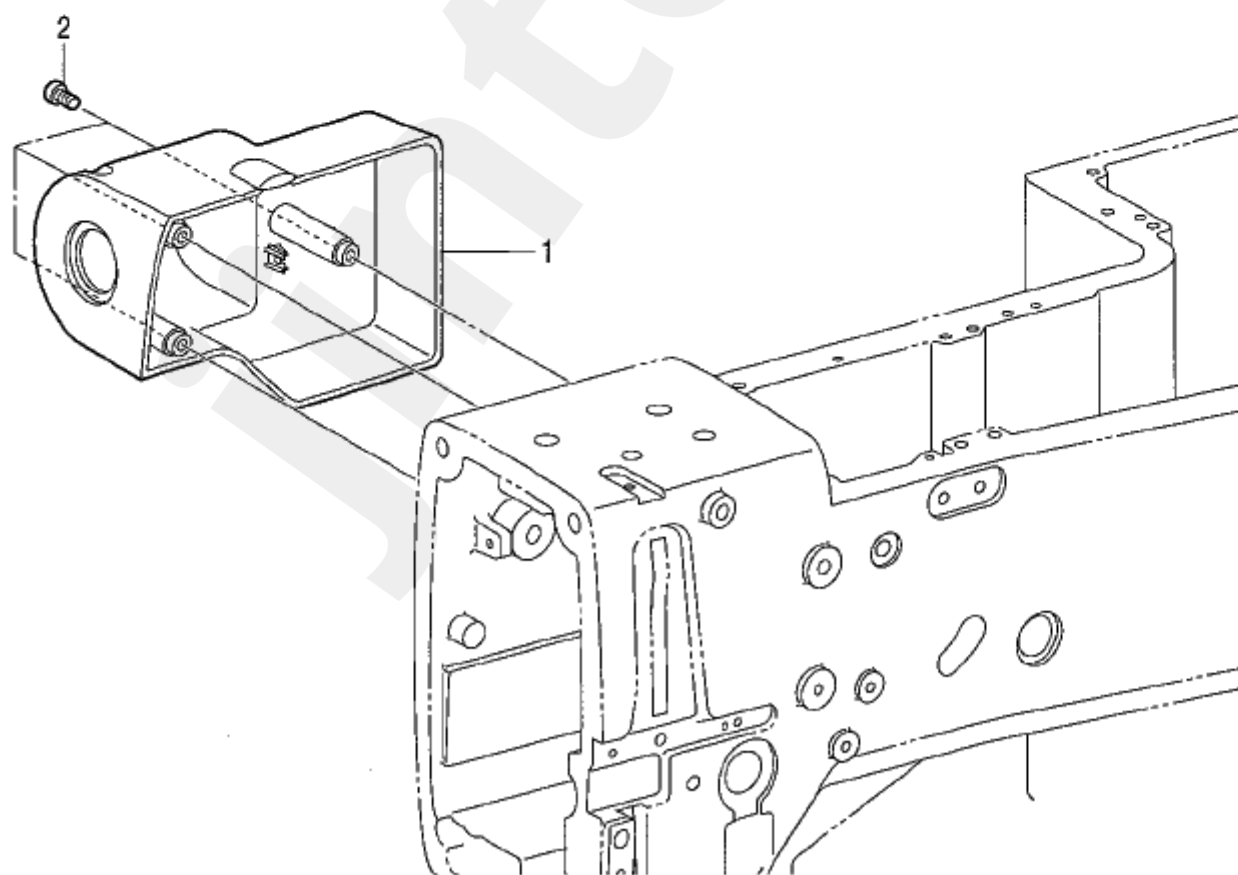


## C.上軸関係 / Upper shaft mechanism

| REF.NO | CODE      | QTY | ヒンメイ         | NAME OF PARTS                 | RM. |
|--------|-----------|-----|--------------|-------------------------------|-----|
| 1      | S51176001 | 1   | ウツクミ         | UPPER SHAFT ASSY              |     |
| 1-1    | S50154001 | 1   | ウツク          | UPPER SHAFT                   |     |
| 1-2    | 048150142 | 2   | トメワシクヨC15    | RETAINING RING, EXTERNAL C15  |     |
| 1-3    | 072630260 | 1   | ハアリク6302VV   | BALL BEARING, 6302VV          |     |
| 4      | S50155001 | 1   | ウツクメタMF      | BUSH, F                       |     |
| 5      | 158893000 | 1   | ウツクメタMM      | BUSH, M                       |     |
| 6      | S51223001 | 1   | セツカラークミ      | SET SCREW COLLAR ASSY         |     |
| 6-1    | S50156001 | 1   | セツカラー        | SET SCREW COLLAR              |     |
| 6-2    | 014780622 | 2   | アトメネシ6.35クホミ | SET SCREW, SOCKET (CP) SM6.35 |     |
| 8      | S50157001 | 1   | プーリクミ        | PULLEY ASSY                   |     |
| 9      | 014760622 | 2   | アトメネシ5.95    | SET SCREW, SOCKET SM5.95      |     |
| 10     | S50159001 | 1   | タイミンクフーリウクミ  | T-PULLEY ASSY, U              |     |
| 10-1   | S50160001 | 1   | タイミンクフーリU    | T-PULLEY, U                   |     |
| 10-2   | S48034001 | 2   | タイミンクフーリリング  | RING                          |     |
| 10-3   | 014780622 | 2   | アトメネシ6.35クホミ | SET SCREW, SOCKET (CP) SM6.35 |     |
| 11     | S50161000 | 1   | タイミンクハム      | TIMMING BELT                  |     |
| 12     | S50162001 | 1   | テンションフーリクミ   | TENSION PULLEY ASSY           |     |
| 12-1   | S50163001 | 1   | テンションフーリイタ   | PLATE, T-PULLEY               |     |
| 12-2   | S50164001 | 1   | テンションフーリ     | TENSION PULLEY                |     |
| 12-3   | S50165001 | 1   | テンションフーリカラー  | COLLAR                        |     |
| 12-4   | 018102536 | 1   | アホムト10X25    | BOLT, SOCKET M10X25           |     |
| 12-5   | 021100302 | 1   | ナツ3M10       | NUT, 3 M10                    |     |
| 12-6   | 048300242 | 2   | トメワアヨウC30    | RETAINING RING, INTERNAL C30  |     |
| 12-7   | 076200800 | 1   | タマシクウケ6200ZZ | BALL BEARING, 6200ZZ          |     |
| 13     | 018061022 | 2   | アホムト6X10     | BOLT, SOCKET M6X10            |     |
| 14     | 025060232 | 2   | ヒラサカネチユ6     | WASHER, PLAIN M 6             |     |
| 15     | S50166001 | 1   | アイトラフーリ      | IDLER PULLEY                  |     |
| 16     | S50167001 | 1   | アイトラフーリシク    | SHAFT                         |     |
| 17     | S50168001 | 1   | アイトラフーリカラー   | COLLAR                        |     |
| 18     | 070608800 | 2   | タマシクウケ608ZZ  | BALL BEARING 0608ZZ           |     |
| 19     | 048220242 | 2   | トメワアヨウC22    | RETAINING RING, INTERNAL C22  |     |
| 20     | 014760622 | 2   | アトメネシ5.95    | SET SCREW, SOCKET SM5.95      |     |
| 21     | 111865001 | 1   | セン6          | CAP, 6                        |     |



118-H80-110



118-H80-114

## D.針振関係 / Zigzag mechanism

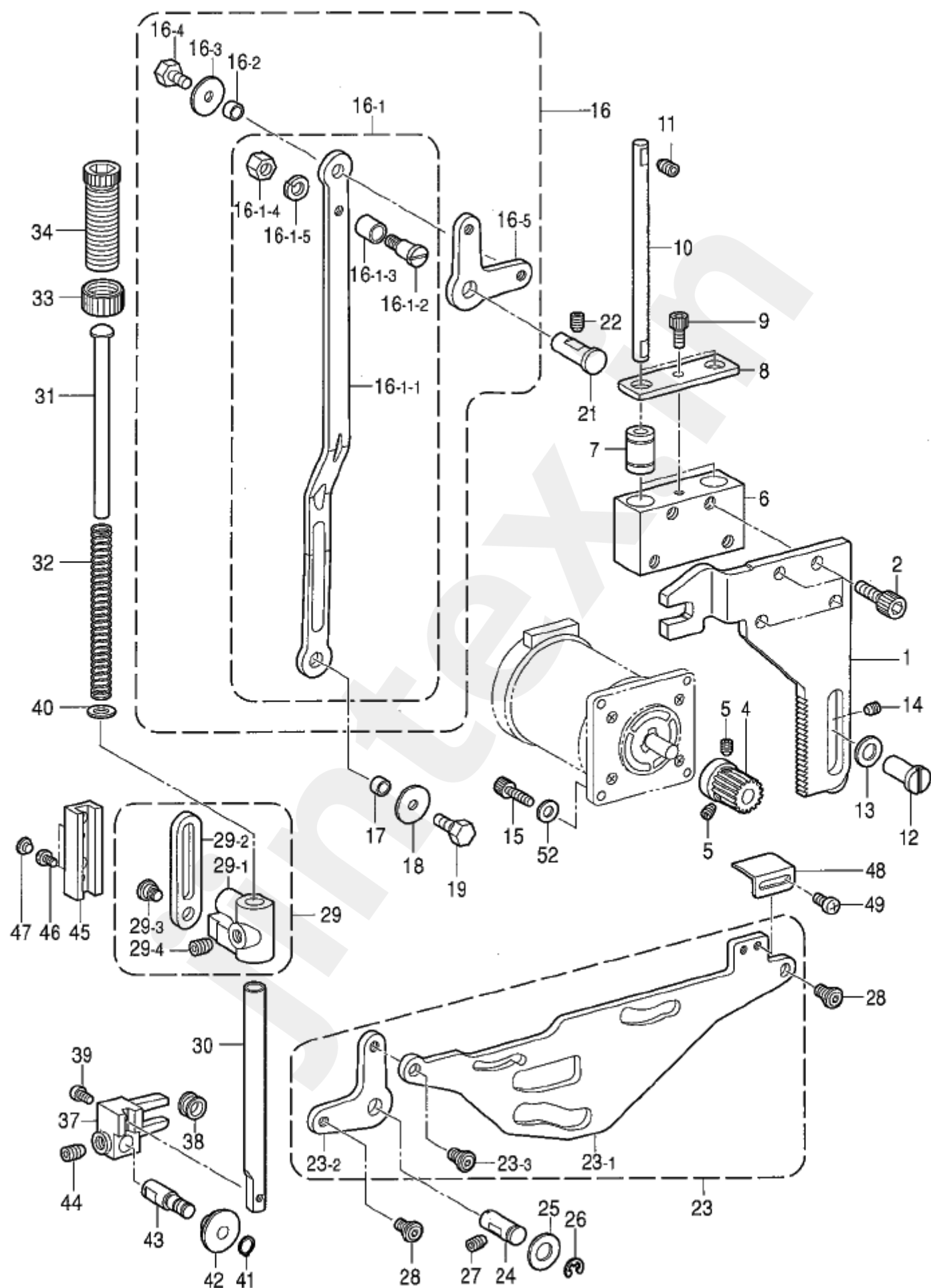
| REF.NO | CODE      | QTY | 品名           | NAME OF PARTS            | RM |
|--------|-----------|-----|--------------|--------------------------|----|
| 1      | S50169001 | 1   | モータブラケット     | MOTOR BRACKET            |    |
| 2      | S37940001 | 2   | 位置決めピン       | POSITIONING PIN          |    |
| 3      | 062711212 | 4   | ナット476-32X12 | SCREW, PAN SM4.76-32X12  |    |
| 4      | 062711612 | 1   | ナット476-32X16 | SCREW, PAN SM4.76-32X16  |    |
| 5      | 018401222 | 4   | アソート4X12     | BOLT, SOCKET M4X12       |    |
| 6      | 060300612 | 2   | バインド M3X6    | SCREW, BIND M3X6         |    |
| 7      | S50170001 | 1   | モータレバー       | MOTOR LEVER              |    |
| 8      | 014760622 | 2   | アソート5.95     | SET SCREW, SOCKET SM5.95 |    |
| 9      | S50171001 | 1   | モータレバーシャフト   | LEVER SHAFT, ;MOTOR      |    |
| 10     | 014760622 | 1   | アソート5.95     | SET SCREW, SOCKET SM5.95 |    |
| 11     | S50172001 | 1   | ワリリレバー       | ZIGZAG CONNECTING ROD    |    |
| 12     | S51190001 | 1   | ワリリレバーシャフト   | SHAFT, ;Z-CONNECTING ROD |    |
| 13     | 014760622 | 1   | アソート5.95     | SET SCREW, SOCKET SM5.95 |    |
| 14     | S50174001 | 1   | ワリリレバー       | LEVER, ;ZIGZAG           |    |
| 15     | 118735001 | 2   | ワシカネ         | WASHER, PLAIN 6          |    |
| 16     | 018061622 | 1   | アソート6X16     | BOLT, SOCKET M6X16       |    |
| 17     | S32521001 | 1   | スラストワシカネ     | WASHER, THRUST           |    |
| 18     | S50176001 | 1   | ワリリレバーFクミ    | ZIGZAG LEVER ASSY, F     |    |
| 18-1   | S50178001 | 1   | ワリリレバーシャフト   | SHAFT, ;Z-LEVER          |    |
| 18-2   | 159625001 | 1   | レバーFカクコシク    | STUD                     |    |
| 19     | 158945001 | 1   | ワリリレバーFメタ    | BUSH, F ;Z-LEVER         |    |
| 20     | 158946001 | 1   | ワリリレバーRメタ    | BUSH, R ;Z-LEVER         |    |
| 21     | S50179001 | 1   | ワリリセンサ       | PLATE, ;Z-SENSOR         |    |

118-H80-110

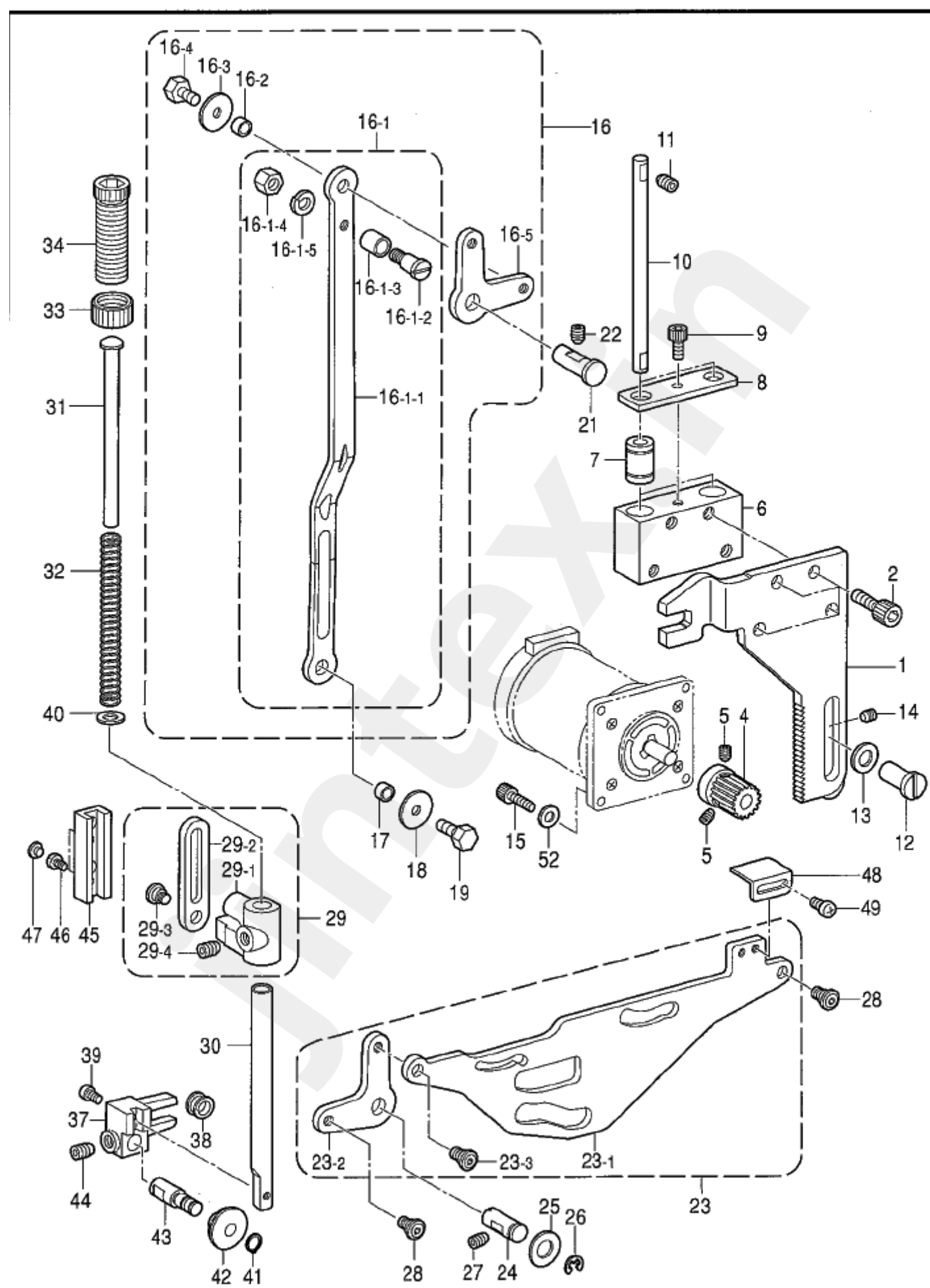
## E.非常停止関係 / Emergency stop mechanism

| REF.NO | CODE      | QTY | 品名         | NAME OF PARTS   | RM |
|--------|-----------|-----|------------|-----------------|----|
| 1      | S50182000 | 1   | ヒジヨウテイシカバー | COVER, ;EM      |    |
| 2      | 062400806 | 3   | ナット4X8     | SCREW, PAN M4X8 |    |

118-H80-114

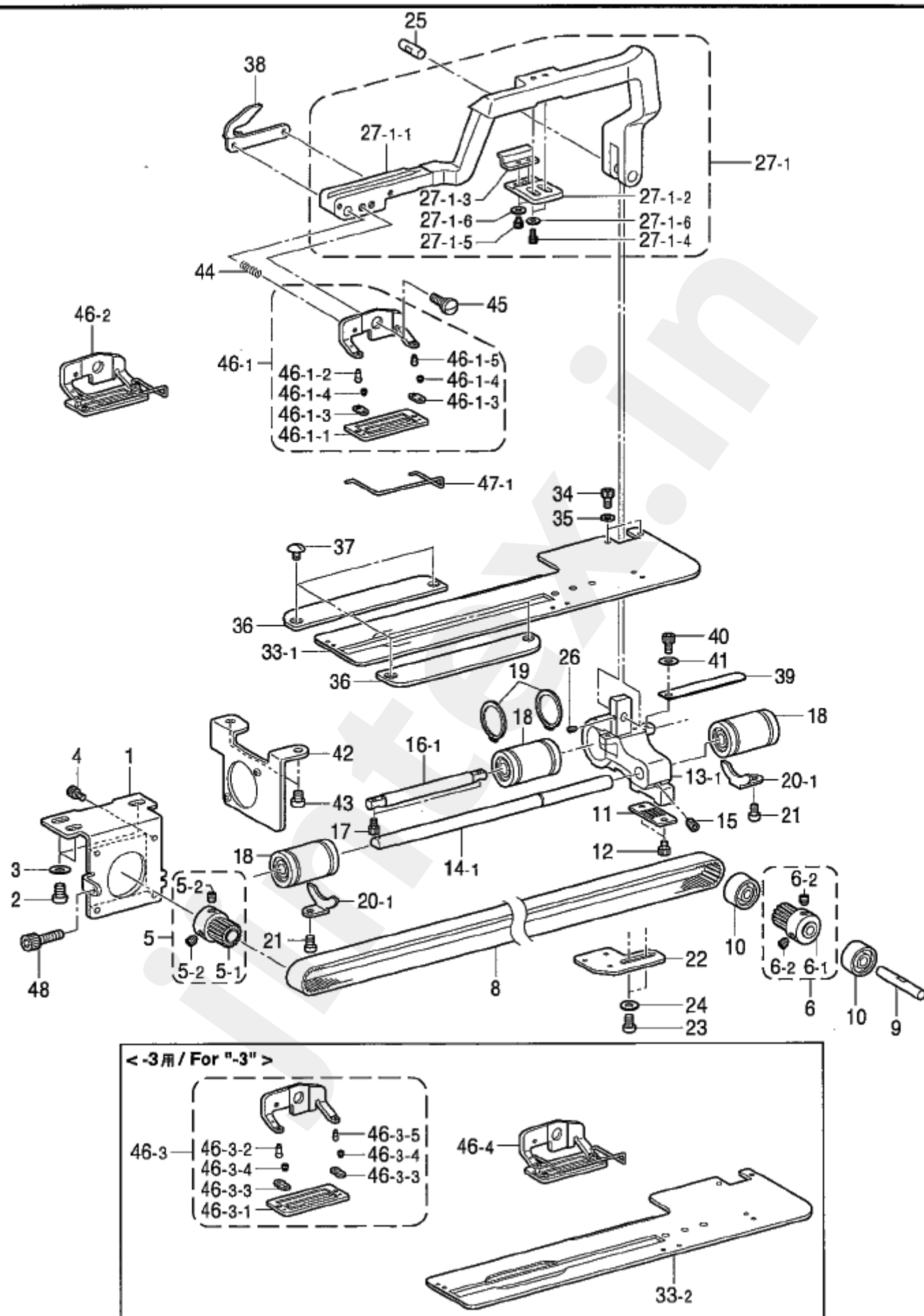


| REF.NO | CODE      | QTY | ヒンメイ           | NAME OF PARTS                  | RM |
|--------|-----------|-----|----------------|--------------------------------|----|
| 1      | S50183001 | 1   | オシエトウウテ        | DRIVING ARM, ;PRESSER          |    |
| 2      | 018061022 | 4   | アホ 6X10        | BOLT, SOCKET M6X10             |    |
| 4      | S43717201 | 1   | トウキヤ15.75      | GEAR, 15.75                    |    |
| 5      | 014770622 | 2   | アトメネジ 6.35ホミ   | SET SCREW, SOCKET (CP) SM6.35  |    |
| 6      | S50184001 | 1   | オシエトウアンナイ      | GUIDE BRACKET                  |    |
| 7      | S42116000 | 2   | リニアボールベアリング    | LINEAR BALL BEARING            |    |
| 8      | S50185001 | 1   | ベアリングホルダ       | HOLDER, ;BEARING               |    |
| 9      | 018400822 | 1   | アホ 4X8         | BOLT, SOCKET M4X8              |    |
| 10     | S50186001 | 2   | アンナシク          | GUIDE SHAFT                    |    |
| 11     | 014760622 | 4   | アトメネジ 5.95     | SET SCREW, SOCKET SM5.95       |    |
| 12     | S50187001 | 1   | トウウテ オシエ       | PRESSER, ;DR-ARM               |    |
| 13     | 110367001 | 1   | ワッシャ           | WASHER, PLAIN SPECIAL 8        |    |
| 14     | 014760622 | 1   | アトメネジ 5.95     | SET SCREW, SOCKET SM5.95       |    |
| 15     | 018401222 | 3   | アホ 4X12        | BOLT, SOCKET M4X12             |    |
| 16     | S51174001 | 1   | オシエアケレンカンソウ    | CONNECTING ROD SET, ;P-LIFTER  |    |
| 16-1   | S50188001 | 1   | オシエアケレンカン      | CONNECTING ROD ASSY, ;P-LIFTER |    |
| 16-1-1 | S50189001 | 1   | オシエアケレンカン      | CONNECTING ROD, ;P-LIFTER      |    |
| 16-1-2 | S50190001 | 1   | オシエレンカンダンネジ    | SHOULDER SCREW                 |    |
| 16-1-3 | S50191001 | 1   | レンカン           | ROLLER                         |    |
| 16-1-4 | 110161004 | 1   | ナット 4.76       | NUT, SM4.76                    |    |
| 16-1-5 | 028050242 | 1   | ワッシャ スプリング 2-5 | WASHER, SPRING 2-5             |    |
| 16-2   | S50192001 | 1   | オシエアケカン        | SPACER                         |    |
| 16-3   | S00902001 | 1   | メスワッシャ レバサカ    | WASHER, PLAIN L 4.6 (D)        |    |
| 16-4   | 117363001 | 1   | ボルト 4.76       | BOLT, SM4.76                   |    |
| 16-5   | S38761001 | 1   | ヒサアケレバ         | LIFTER LEVER, ;KNEE            |    |
| 17     | S50192001 | 1   | オシエアケカン        | SPACER                         |    |
| 18     | S00902001 | 1   | メスワッシャ レバサカ    | WASHER, PLAIN L 4.6 (D)        |    |
| 19     | 117363001 | 1   | ボルト 4.76       | BOLT, SM4.76                   |    |
| 21     | S50193001 | 1   | オシエアケレバシク      | LIFTER SHAFT, A                |    |
| 22     | 014760622 | 1   | アトメネジ 5.95     | SET SCREW, SOCKET SM5.95       |    |
| 23     | S50194001 | 1   | オシエアケレバ        | LIFTER LEVER ASSY, ;P-BAR      |    |
| 23-1   | S50195001 | 1   | ウイトキリク         | DRIVING LINK, ;U/TR            |    |
| 23-2   | S38761001 | 1   | ヒサアケレバ         | LIFTER LEVER, ;KNEE            |    |
| 23-3   | 145478101 | 1   | ダンネジ 4.76      | SHOULDER SCREW, SOCKET SM4.76  |    |
| 24     | S50196001 | 1   | オシエアケレバシク      | LIFTER SHAFT                   |    |
| 25     | 025080132 | 1   | ヒササカネ          | WASHER, PLAIN S 8              |    |
| 26     | 048060342 | 1   | トメワ E6         | RETAINING RING, E6             |    |
| 27     | 014760622 | 1   | アトメネジ 5.95     | SET SCREW, SOCKET SM5.95       |    |
| 28     | 145478101 | 2   | ダンネジ 4.76      | SHOULDER SCREW, SOCKET SM4.76  |    |
| 29     | S50197001 | 1   | オシエホウダキ        | GUIDE BRACKET ASSY, ;P-BAR     |    |
| 29-1   | S50198001 | 1   | オシエホウダキ        | GUIDE BRACKET, ;P-BAR          |    |
| 29-2   | S50199001 | 1   | オシエアケリンク       | LIFTER LINK, ;P-BAR            |    |
| 29-3   | 145478101 | 1   | ダンネジ 4.76      | SHOULDER SCREW, SOCKET SM4.76  |    |
| 29-4   | 014760622 | 1   | アトメネジ 5.95     | SET SCREW, SOCKET SM5.95       |    |
| 30     | 111466101 | 1   | オシエホウ          | PRESSER BAR                    |    |
| 31     | 141208001 | 1   | オシエバネアンナイ      | SPRING GUIDE                   |    |
| 32     | S50200001 | 1   | オシエバネ          | SPRING, COMPRESSION            |    |
| 33     | S31013001 | 1   | チヨウセツネジツミナツ    | ADJUSTING NUT, PRESSER         |    |
| 34     | S31012001 | 1   | オシエチヨウセツネジ     | ADJUSTING SCREW, PRESSER       |    |
| 35     | 140407001 | 1   | ワッシャ           | WASHER                         |    |
| 36     | 145472001 | 1   | オシエホウメタル       | BUSH, P-BAR                    |    |
| 37     | S50201001 | 1   | オシエローラ         | ROLLER BRACKET, ;P-BAR         |    |
| 38     | S50202001 | 1   | ハサミササエシコロ      | ROLLER                         |    |
| 39     | 062671212 | 1   | ナット 357-40X12  | SCREW, PAN SM3.57-40X12        |    |
| 40     | 025060132 | 1   | ヒササカネ          | WASHER, PLAIN S 6              |    |
| 41     | 048060142 | 1   | トメワシク C6       | RETAINING RING, C6             |    |
| 42     | S50203001 | 1   | オシエコロ          | ROLLER                         |    |
| 43     | S50204001 | 1   | オシエコロシク        | ROLLER SHAFT                   |    |
| 44     | 014760622 | 1   | アトメネジ 5.95     | SET SCREW, SOCKET SM5.95       |    |
| 45     | S37927000 | 1   | ハリホウアンナイ       | GUIDE, ;N-BAR                  |    |
| 46     | 100242003 | 2   | シメネジ 3.57      | SCREW, SM3.57-40X5             |    |



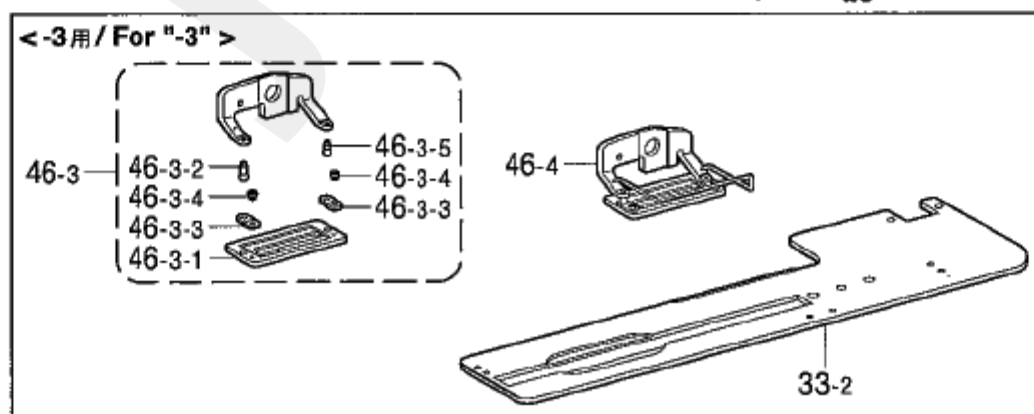
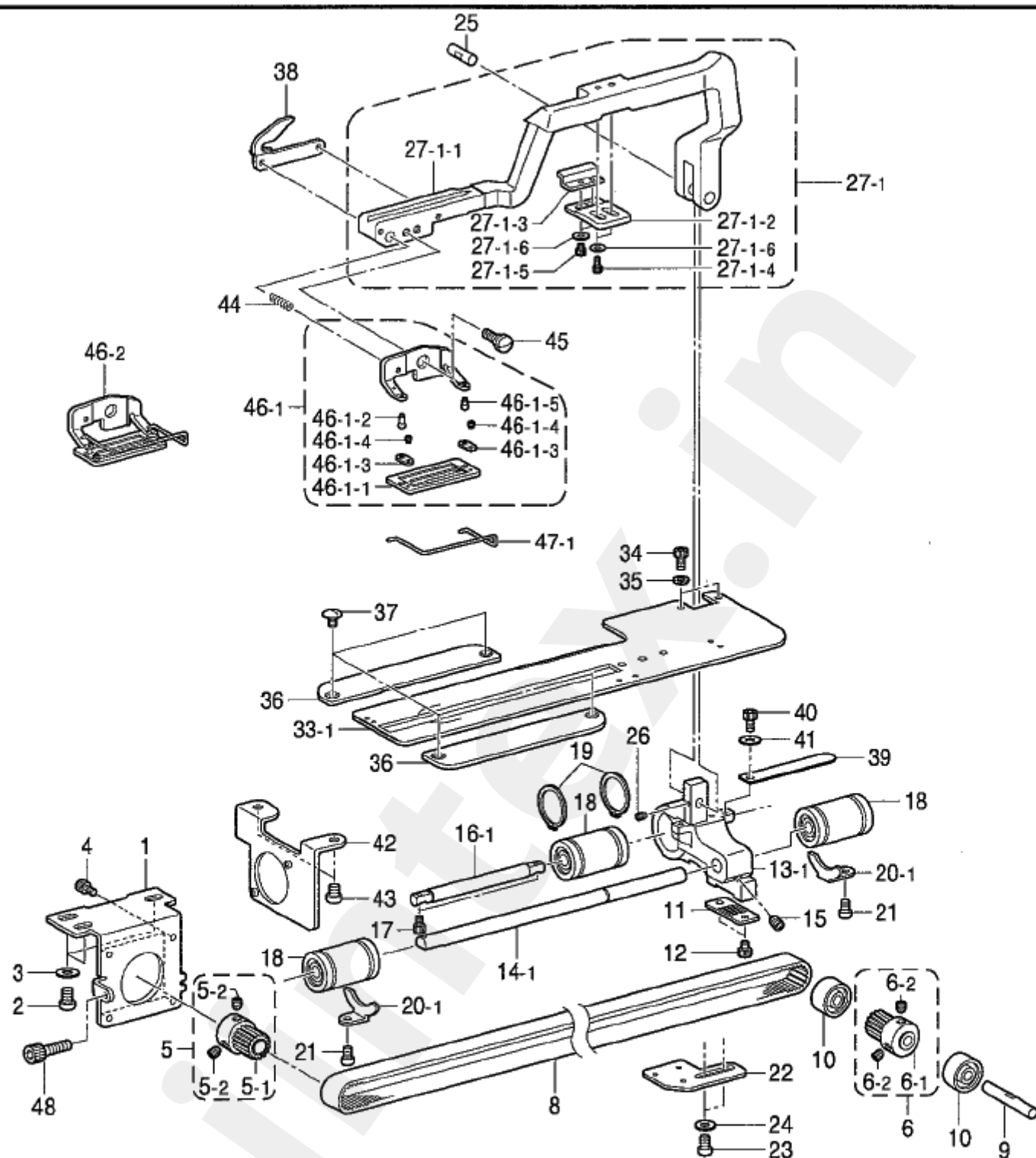
## F.押工関係 / Presser foot mechanism

| REF.NO | CODE      | QTY | 品名            | NAME OF PARTS           | RM |
|--------|-----------|-----|---------------|-------------------------|----|
| 47     | 155578000 | 2   | ゴム7.2         | RUBBER CAP, 7.2         |    |
| 48     | S50205001 | 1   | センサー板         | DOG, ;CLAMP SENSOR      |    |
| 49     | 060670512 | 2   | ボルト 3.57-40X5 | SCREW, BIND SM3.57-40X5 |    |
| 50     | S50206001 | 1   | センサー板         | PLATE, ;CLAMP SENSOR    |    |
| 51     | 102538002 | 1   | ボルト 3.57      | SCREW, FLAT SM3.57      |    |
| 52     | 025040232 | 3   | ワッシャー 4       | WASHER, PLAIN M 4       |    |



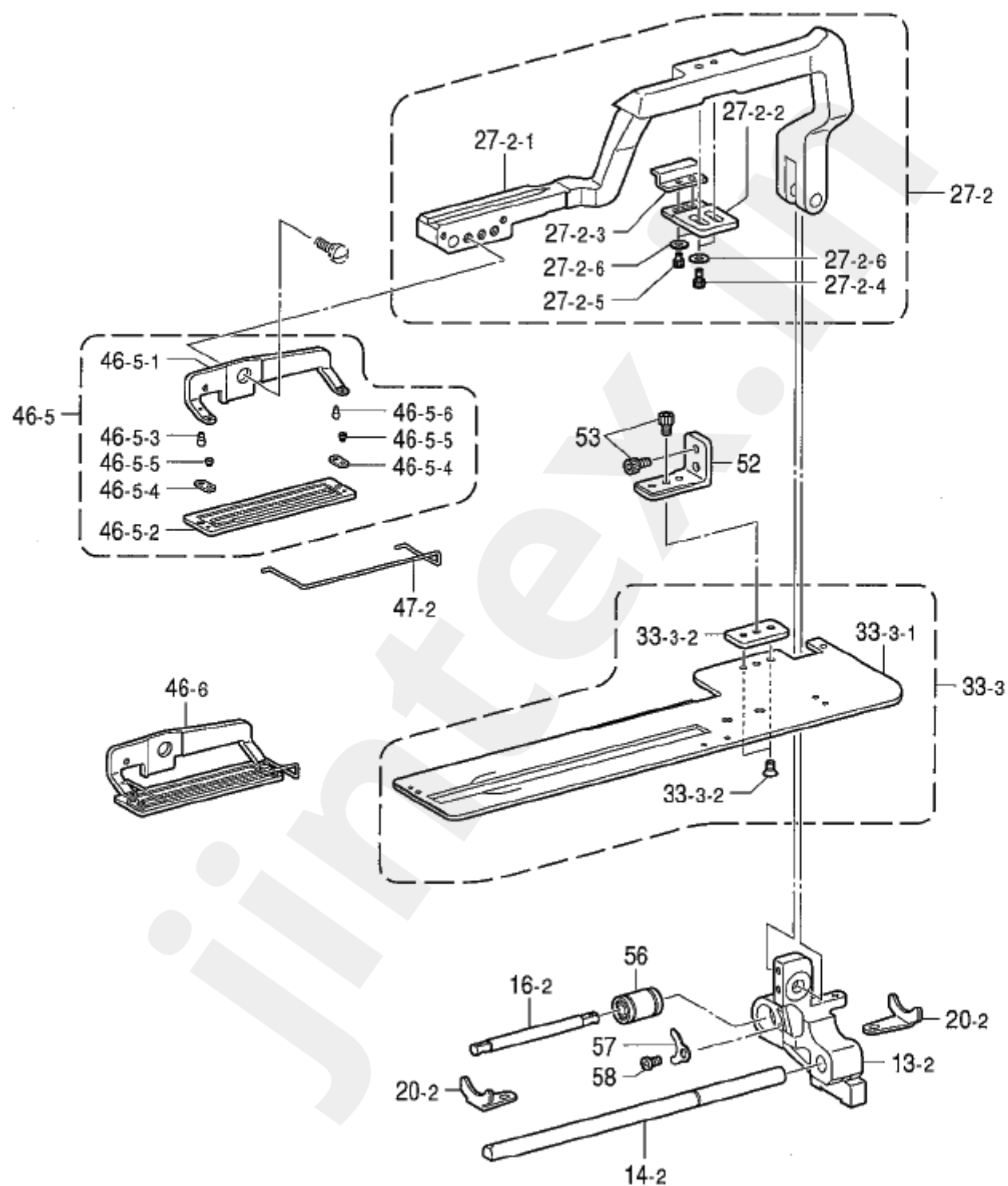
G1.送り関係 (-2,-3)/ Feed mechanism(For "-2 & -3")

| REF.NO | CODE      | QTY | 品名            | NAME OF PARTS                | RM |
|--------|-----------|-----|---------------|------------------------------|----|
| 1      | S50207001 | 1   | モータサシイタ       | MOUNTING BRACKET, ;MOTOR     |    |
| 2      | 062761012 | 3   | ナハコ595-28X10  | SCREW, PAN SM5.95-28X10      |    |
| 3      | 025060232 | 3   | ヒラサガネチユウ6     | WASHER, PLAIN M 6            |    |
| 4      | 018401022 | 4   | アホルト4X10      | BOLT, SOCKET M4X10           |    |
| 5      | S51418001 | 1   | オクリクツウフーリアクミ  | PULLEY ASSY, A               |    |
| 5-1    | S50208001 | 1   | オクリクツウフーリア    | PULLEY, A                    |    |
| 5-2    | 014060632 | 2   | アホルトミ6X6      | SET SCREW, SOCKET (CP) M6X6  |    |
| 6      | S51225001 | 1   | オクリクツウフーリBクミ  | PULLEY ASSY, B               |    |
| 6-1    | S50110001 | 1   | オクリクツウフーリB    | PULLEY, B                    |    |
| 6-2    | 014060632 | 2   | アホルトミ6X6      | SET SCREW, SOCKET (CP) M6X6  |    |
| 8      | S50209000 | 1   | オクリタイミンクハルト   | TIMING BELT                  |    |
| 9      | S50210001 | 1   | オクリフーリサシイタ    | SUPPORT SHAFT                |    |
| 10     | 070688850 | 2   | タマシクウケ688ZZNR | BALL BEARING, 688ZZNR        |    |
| 11     | S50211001 | 1   | オクリハルトホルダ     | BELT HOLDER                  |    |
| 12     | 018680822 | 2   | アホルト4.37X8    | BOLT, SOCKET SM4.37X8        |    |
| 13-1   | S50212001 | 1   | オクリウデサシイタ     | FEED ARM SUPPORT             |    |
| 14-1   | S50213001 | 1   | オクリアンナインク     | FEED GUIDE SHAFT, B          |    |
| 15     | 014760622 | 1   | アホルトミ5.95     | SET SCREW, SOCKET SM5.95     |    |
| 16-1   | S50214001 | 1   | オクリアンナインク     | SHAFT, A ;F-GUIDE            |    |
| 17     | 018681232 | 2   | アホルト437-40X12 | BOLT, SOCKET SM4.37-40X12    |    |
| 18     | S12004000 | 3   | リニアブッシュ       | LINEAR BUSH                  |    |
| 19     | S02460001 | 2   | トメワシクウケC19    | RETAINING RING, EXTERNAL C19 |    |
| 20-1   | S35184001 | 2   | タマシクウケメイト     | STOPPER, BALL BEARING        |    |
| 21     | 060660416 | 2   | ハインツ318-40X4  | SCREW, BIND SM3.18-40X4      |    |
| 22     | S50215101 | 1   | オクリセンササシイタ    | SUPPORT PLATE, FEED SENSOR   |    |
| 23     | 062680812 | 2   | ナハコ437-40X8   | SCREW, PAN SM4.37-40X8       |    |
| 24     | 025680132 | 2   | ヒラサガネチユウ4.37  | WASHER, PLAIN S 4.37         |    |
| 25     | S50216001 | 1   | オクリウデサシイタ     | SUPPORT SHAFT, ;F-ARM        |    |
| 26     | 012500536 | 1   | アホルトミ5X5      | SET SCREW, SOCKET (FT) M5X5  |    |
| 27-1   | S51178101 | 1   | オクリウデクミ       | FEED ARM ASSY                |    |
| 27-1-1 | S50217001 | 1   | オクリウデ         | FEED ARM                     |    |
| 27-1-2 | S50218001 | 1   | ニカシカムサシイタ     | SUPPORT PLATE                |    |
| 27-1-3 | S50219101 | 1   | ウイトキリニカシカム    | CAM                          |    |
| 27-1-4 | 018681022 | 2   | アホルト4.37X10   | BOLT, SOCKET SM4.37X10       |    |
| 27-1-5 | 018680522 | 2   | アホルト4.37X5    | BOLT, SOCKET SM4.37X5        |    |
| 27-1-6 | 110735002 | 4   | サガネ           | WASHER                       |    |
|        |           |     | <-2用>         | <For "-2">                   |    |
| 33-1   | S50220001 | 1   | ナカサクリイタ-2     | LENGTH FEED PLATE, -2        |    |
|        |           |     | <-3用>         | <For "-3">                   |    |
| 33-2   | S50225001 | 1   | ナカサクリイタ-3     | LENGTH FEED PLATE, -3        |    |
| 34     | 018681022 | 2   | アホルト4.37X10   | BOLT, SOCKET SM4.37X10       |    |
| 35     | 028680242 | 2   | ハネサガネ2-4.37   | WASHER, SPRING 2-4.37        |    |
| 36     | S50221001 | 2   | オクリオサシイタ      | FEED PRESSER PLATE           |    |
| 37     | 105130001 | 4   | シメネジ3.57      | SCREW, SM3.57                |    |
| 38     | S50222001 | 1   | オクリウデサシイ      | FEED ARM SUPPORT             |    |
| 39     | S50223100 | 1   | オクリカハ         | COVER                        |    |
| 40     | 018680822 | 1   | アホルト4.37X8    | BOLT, SOCKET SM4.37X8        |    |
| 41     | 025680132 | 1   | ヒラサガネチユウ4.37  | WASHER, PLAIN S 4.37         |    |
| 42     | S50224001 | 1   | オクリモタカハ       | COVER, ;F-MOTOR              |    |
| 43     | 062680612 | 2   | ナハコ4.37-40X6  | SCREW, PAN SM4.37-40X6       |    |
| 44     | 159078001 | 1   | スノツカミサシイハネ    | SPRING                       |    |
| 45     | S50562001 | 1   | タンネジ6.35      | SHOULDER SCREW, SM6.35       |    |
|        |           |     | <-2用>         | <For "-2">                   |    |
| 46-1   | 159765202 | 1   | スノツカミ25RSクミ   | WORK CLAMP ASSY, 25RS        |    |
| 46-1-1 | 159762002 | 1   | スノツカミ25RS     | WORK CLAMP, 25RS             |    |
| 46-1-2 | 159926001 | 1   | スノツカミサシイピン L  | PIN, L                       |    |
| 46-1-3 | 107401001 | 2   | スノツカミサシイイタハネ  | SPRING, PLATE                |    |



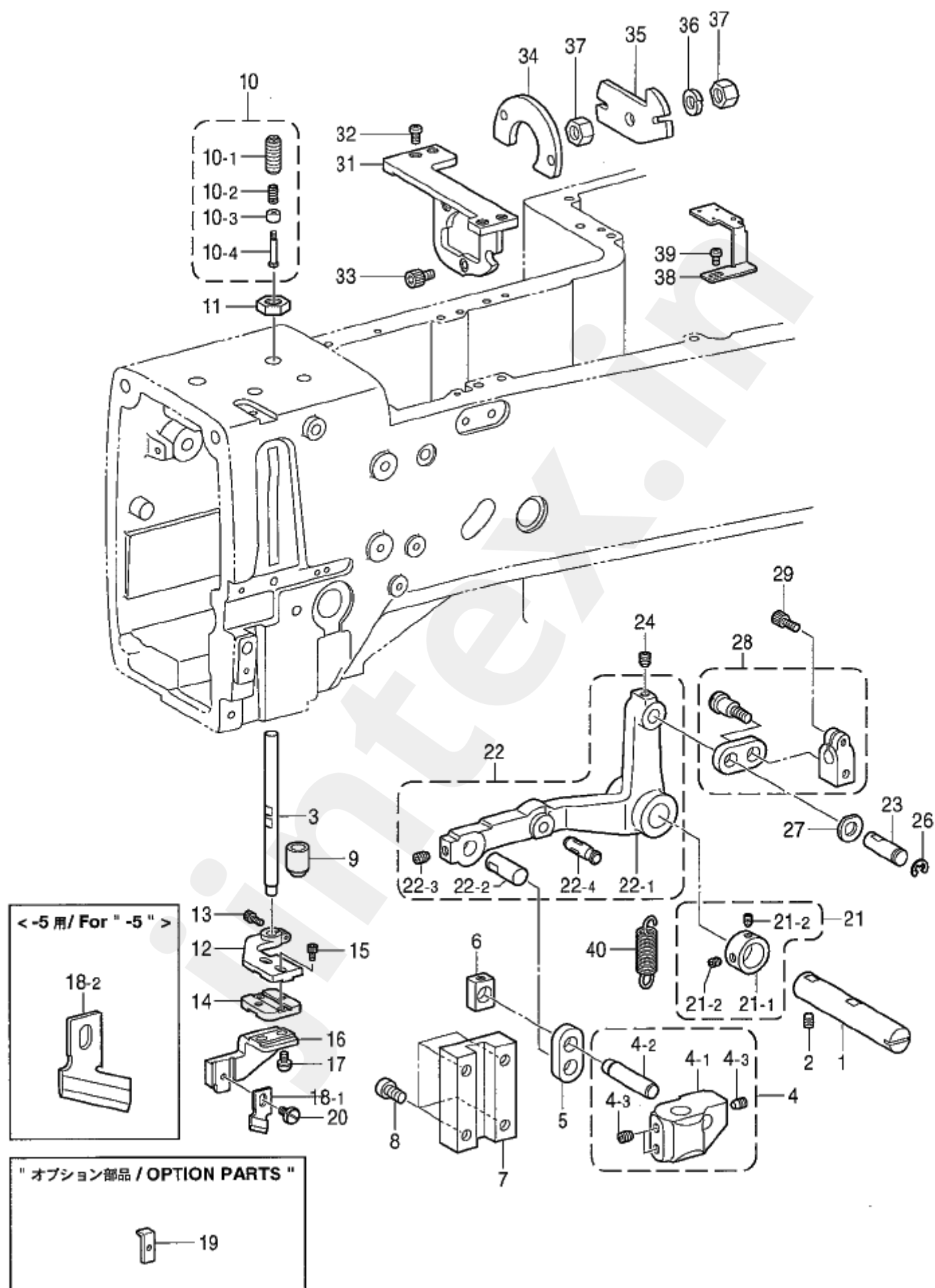
## G1.送り関係 (-2,-3)/ Feed mechanism(For "-2 &amp; -3")

| REF.NO | CODE      | QTY | 品名           | NAME OF PARTS               | RM |
|--------|-----------|-----|--------------|-----------------------------|----|
| 46-1-4 | 107404001 | 2   | シメネジ 1.98    | SCREW, SM1.98-64X2          |    |
| 46-1-5 | 159927001 | 1   | ヌボカササビピン S   | PIN, S                      |    |
| 46-2   | S37100101 | 1   | ヌボカサ25RSクミ   | WORK CLAMP ASSY, 25RS W/F-G |    |
|        |           |     | <-3用>        | <For "-3">                  |    |
| 46-3   | S01467201 | 1   | ニツヨクヌボカサ25クミ | WORK CLAMP ASSY, 25-K       |    |
| 46-3-1 | 144630001 | 1   | ニツヨクヌボカサ     | WORK CLAMP, 25-K            |    |
| 46-3-2 | 159926001 | 1   | ヌボカササビピン L   | PIN, L                      |    |
| 46-3-3 | 144707001 | 2   | ヌボカササビイタハネ   | SPRING, PLATE               |    |
| 46-3-4 | 107404001 | 2   | シメネジ 1.98    | SCREW, SM1.98-64X2          |    |
| 46-3-5 | 159927001 | 1   | ヌボカササビピン S   | PIN, S                      |    |
| 46-4   | S37102101 | 1   | ニツヨクヌボカサ25クミ | WORK CLAMP ASSY, 25-K W/F-G |    |
|        |           |     | <-2用、-3用>    | <For "-2 & -3">             |    |
| 47-1   | 159080000 | 1   | フィンガードM      | FINGER GUARD, M             |    |
| 48     | 018502022 | 1   | ボルトM5X20     | BOLT, SOCKET M5X20          |    |



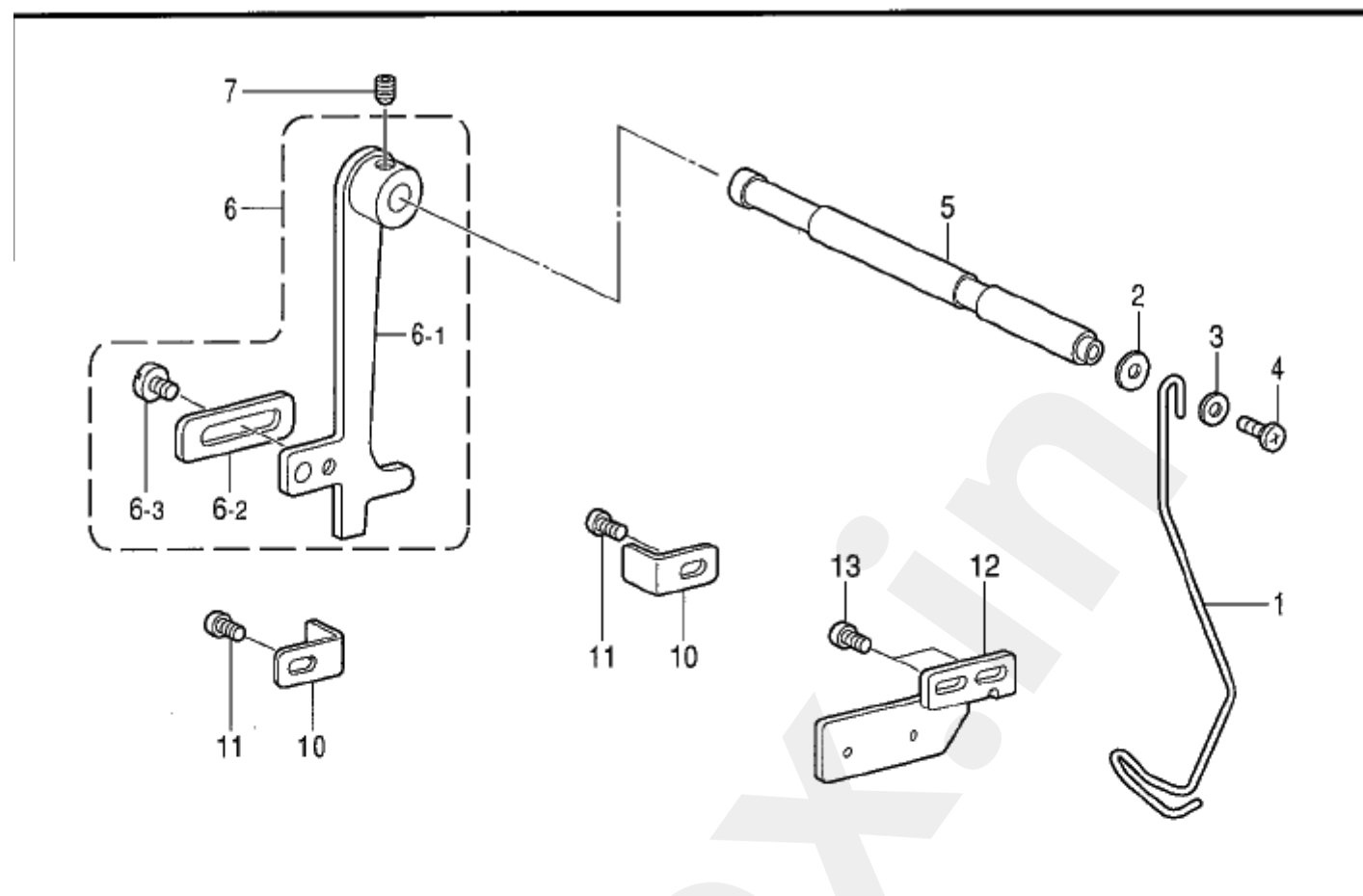
## G2.送り関係 (-5)/ Feed mechanism(For "-5")

| REF.NO | CODE      | QTY | ヒンメイ          | NAME OF PARTS               | RM |
|--------|-----------|-----|---------------|-----------------------------|----|
|        |           |     | <-5用>         | <For "-5">                  |    |
| 13-2   | S54508001 | 1   | オクリウテ`ササイ`イ-5 | FEED ARM SUPPORT, -5        |    |
| 14-2   | S54512001 | 1   | オクリアンナイン`クB-5 | SHAFT, B-5 ;F-GUIDE         |    |
| 16-2   | S54511001 | 1   | オクリアンナイン`クA-5 | SHAFT, A-5 ;F-GUIDE         |    |
| 20-2   | S54513001 | 2   | タマシ`クウケトメイタ   | STOPPER PLATE, B ;B-BEARING |    |
| 27-2   | S54502101 | 1   | オクリウテ`クミ-5    | FEED ARM ASSY, 5            |    |
| 27-2-1 | S54503001 | 1   | オクリウテ`-5      | FEED ARM, 5                 |    |
| 27-2-2 | S50218001 | 1   | ニカ`シカムササイ`イ   | SUPPORT PLATE               |    |
| 27-2-3 | S50219101 | 1   | ウイトキリニカ`シカム   | CAM                         |    |
| 27-2-4 | 018681022 | 2   | アサホ`ネ4.37X10  | BOLT, SOCKET SM4.37X10      |    |
| 27-2-5 | 018680522 | 2   | アサホ`ネ4.37X5   | BOLT, SOCKET SM4.37X5       |    |
| 27-2-6 | 110735002 | 4   | サ`カ`ネ         | WASHER                      |    |
| 33-3   | S54504001 | 1   | ナカ`サオクリイテ-5クミ | LENGTH FEED PLATE ASSY, -5  |    |
| 33-3-1 | S54505001 | 1   | ナカ`サオクリイテ-5   | LENGTH FEED PLATE, -5       |    |
| 33-3-2 | S54506001 | 1   | オクリイタスハ`-サ    | SPACER, ;FEED PLATE         |    |
| 33-3-3 | 117160001 | 2   | サラネシ`4.37     | SCREW, FLAT SM4.37          |    |
| 46-5   | S54514101 | 1   | ヌノツカミ70クミ     | WORK CLAMP ASSY, 70         |    |
| 46-5-1 | S54516101 | 1   | ヌノツカミササ`      | WORK CLAMP HOLDER           |    |
| 46-5-2 | S54515001 | 1   | ヌノツカミ70       | WORK CLAMP, 70              |    |
| 46-5-3 | 159926001 | 1   | ヌノツカミササ`ピン`L  | PIN, L                      |    |
| 46-5-4 | 107401001 | 2   | ヌノツカミササ`イタハ`ネ | SPRING, PLATE               |    |
| 46-5-5 | 107404001 | 2   | シメネシ`1.98     | SCREW, SM1.98-64X2          |    |
| 46-5-6 | S54987001 | 1   | ヌノツカミササ`ピン`F  | PIN, F                      |    |
| 46-6   | S54518101 | 1   | ヌノツカミ70クミ`F   | WORK CLAMP ASSY, 70 W/F-G   |    |
| 47-2   | S54517000 | 1   | フィンガ`-カ`-ト`70 | FINGER GUARD, 70            |    |
| 52     | S54507001 | 1   | オクリイタササ`イ`    | FEED PLATE SUPPORT          |    |
| 53     | 018680822 | 2   | アサホ`ネ4.37X8   | BOLT, SOCKET SM4.37X8       |    |
| 56     | S54509000 | 1   | リニアブ`ツシ9.53   | LINEAR BUSH, 9.53           |    |
| 57     | S54510001 | 1   | リニアブ`ツシトメイ`   | STOPPER PLATE, L-BUSH       |    |
| 58     | 062680612 | 1   | サハ`コ4.37-40X6 | SCREW, PAN SM4.37-40X6      |    |



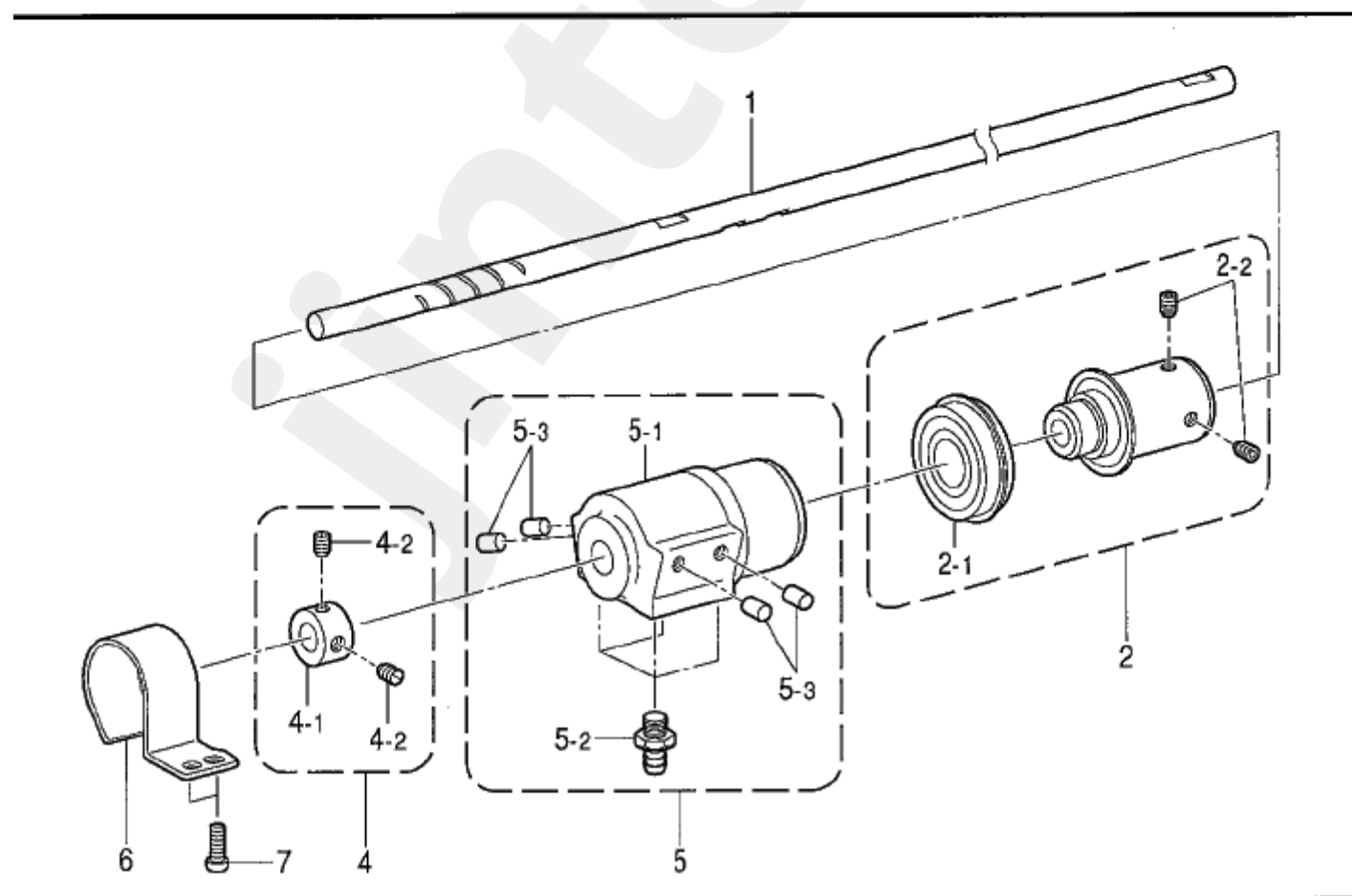
| REF.NO | CODE      | QTY | ヒンメイ                 | NAME OF PARTS                   | RM |
|--------|-----------|-----|----------------------|---------------------------------|----|
| 1      | S50283001 | 1   | カッタークトウテシク           | CUTTER DRIVING ARM SHAFT        |    |
| 2      | 014760622 | 1   | アットメシ 5.95           | SET SCREW, SOCKET SM5.95        |    |
| 3      | S50284001 | 1   | カッタークトウシク            | CUTTER DRIVING SHAFT            |    |
| 4      | S50285001 | 1   | サトウシクホルダクミ           | DRIVING SHAFT HOLDER ASSY       |    |
| 4-1    | S50286001 | 1   | カッタークトウシクホルダ         | CUTTER DRIVING SHAFT HOLDER     |    |
| 4-2    | S50287001 | 1   | カッタークトウリンクシク         | CUTTER DRIVING LINK SHAFT       |    |
| 4-3    | 014780622 | 3   | アットメシ 6.35クホミ        | SET SCREW, SOCKET (CP) SM6.35   |    |
| 5      | S50288001 | 1   | カッタークトウリンク           | CUTTER DRIVING LINK             |    |
| 6      | 102630001 | 1   | ハルホウアンナイカクマ          | SLIDE BLOCK, N-BAR GUIDE        |    |
| 7      | S50120001 | 1   | カッターホウアンナイ           | GUIDE, ;C-BAR                   |    |
| 8      | 062761012 | 4   | ナハコ595-28X10         | SCREW, PAN SM5.95-28X10         |    |
| 9      | 159117001 | 1   | カッターサトウシクメタル         | BUSH, ;C-DRIVING SHAFT          |    |
| 10     | S50289001 | 1   | チヨウセツネシクミ            | ADJUSTING SCREW ASSY            |    |
| 10-1   | S50290001 | 1   | チヨウセツネシ              | ADJUSTING SCREW                 |    |
| 10-2   | S50291001 | 1   | クツシヨンハネ              | SPRING, COMPRESSION             |    |
| 10-3   | S50292001 | 1   | クツシヨンウケ              | CUSHION SUPPORT                 |    |
| 10-4   | S50293001 | 1   | タンネシ 3.57            | SHOULDER SCREW, SM3.57          |    |
| 11     | 021910302 | 1   | ナツト3シ12.70           | NUT, 3 SM12.70                  |    |
| 12     | S50294001 | 1   | カッターホルダ              | CUTTER HOLDER                   |    |
| 13     | 018681022 | 1   | アットホ 4.37X10         | BOLT, SOCKET SM4.37X10          |    |
| 14     | S50295001 | 1   | カッターホルダM             | CUTTER HOLDER, M                |    |
| 15     | 018680632 | 2   | アットホ 4.37X6          | BOLT, SOCKET SM4.37X6           |    |
| 16     | S50296001 | 1   | カッターホルダDL            | CUTTER HOLDER, DL               |    |
| 17     | 153057102 | 2   | オクリイタシメシ             | SCREW, ROUND W/SOCKET SM4.37    |    |
| 18-1   | S51352001 | 1   | <-2用、-3用><br>カッター1/2 | <For "-2 & -3"><br>CUTTER, 1/2  |    |
| 18-2   | S51358001 | 1   | <-5用><br>カッター1       | <For "-5"><br>CUTTER, 1         |    |
| 19     | S50297001 | 1   | "オプション部品"<br>カッターホルダ | "OPTION PARTS"<br>CUTTER HOLDER |    |
| 20     | 115503001 | 1   | シメシ 4.37             | SCREW, SM4.37                   |    |
| 21     | S41466001 | 1   | オクリシクセツカクミ           | SET SCREW COLLAR ASSY           |    |
| 21-1   | S09212001 | 1   | セツカク                 | SET SCREW COLLAR                |    |
| 21-2   | 014770622 | 2   | アットメシ 6.35クホミ        | SET SCREW, SOCKET (CP) SM6.35   |    |
| 22     | S50298101 | 1   | カッタークトウウテクミ          | CUTTER DRIVING ARM ASSY         |    |
| 22-1   | S50299101 | 1   | カッタークトウウテ            | CUTTER DRIVING ARM              |    |
| 22-2   | 159104001 | 1   | ピンウテヒン               | PIN                             |    |
| 22-3   | 014680622 | 1   | アットメシ 4.37クホミ        | SET SCREW, SOCKET (CP) SM4.37   |    |
| 22-4   | 159379001 | 1   | ミソツヒンBX6X18          | PIN, DOWEL BX6X18               |    |
| 23     | S50300001 | 1   | カッターリンクシク            | CUTTER LINK SHAFT               |    |
| 24     | 014760622 | 1   | アットメシ 5.95           | SET SCREW, SOCKET SM5.95        |    |
| 26     | 048060342 | 1   | トメ7E6                | RETAINING RING, E6              |    |
| 27     | 110367001 | 1   | サガネ                  | WASHER, PLAIN SPECIAL 8         |    |
| 28     | S51162001 | 1   | カッターリンクイタ            | CUTTER LINK BRACKET ASSY        |    |
| 29     | 018681232 | 1   | アットホ 4.37-40X12      | BOLT, SOCKET SM4.37-40X12       |    |
| 31     | S50362001 | 1   | カッターソレノイトイ           | CUTTER SOLENOID BRACKET         |    |
| 32     | 062711412 | 4   | ナハコ4.76-32X14        | SCREW, PAN SM4.76-32X14         |    |
| 33     | 018501022 | 3   | アットホ 5X10            | BOLT, SOCKET M5X10              |    |
| 34     | S50363000 | 1   | ストップクツシヨ             | STOPPER CUSHION                 |    |
| 35     | S50364001 | 1   | ソレノイトストップ            | STOPPER, ;SOL.                  |    |
| 36     | 028080242 | 1   | ハネサカネ2-8             | WASHER, SPRING 2-8              |    |
| 37     | 021080202 | 2   | 2シユナツト8              | NUT, 2 M8                       |    |
| 38     | S50365101 | 1   | カッターセンサトリツキイタ        | SETTING PLATE, C-SENSOR         |    |
| 39     | 062710812 | 1   | ナハコ4.76-32X8         | SCREW, PAN SM4.76-32X8          |    |
| 40     | S50366001 | 1   | カッターモトシハネ            | SPRING                          |    |

J. 糸切れ感知関係 / Thread breakage detector mechanism



118-H80-219

K. 下軸関係 / Lower shaft mechanism



118-H80-305

## J.糸切れ感知関係 / Thread breakage detector mechanism

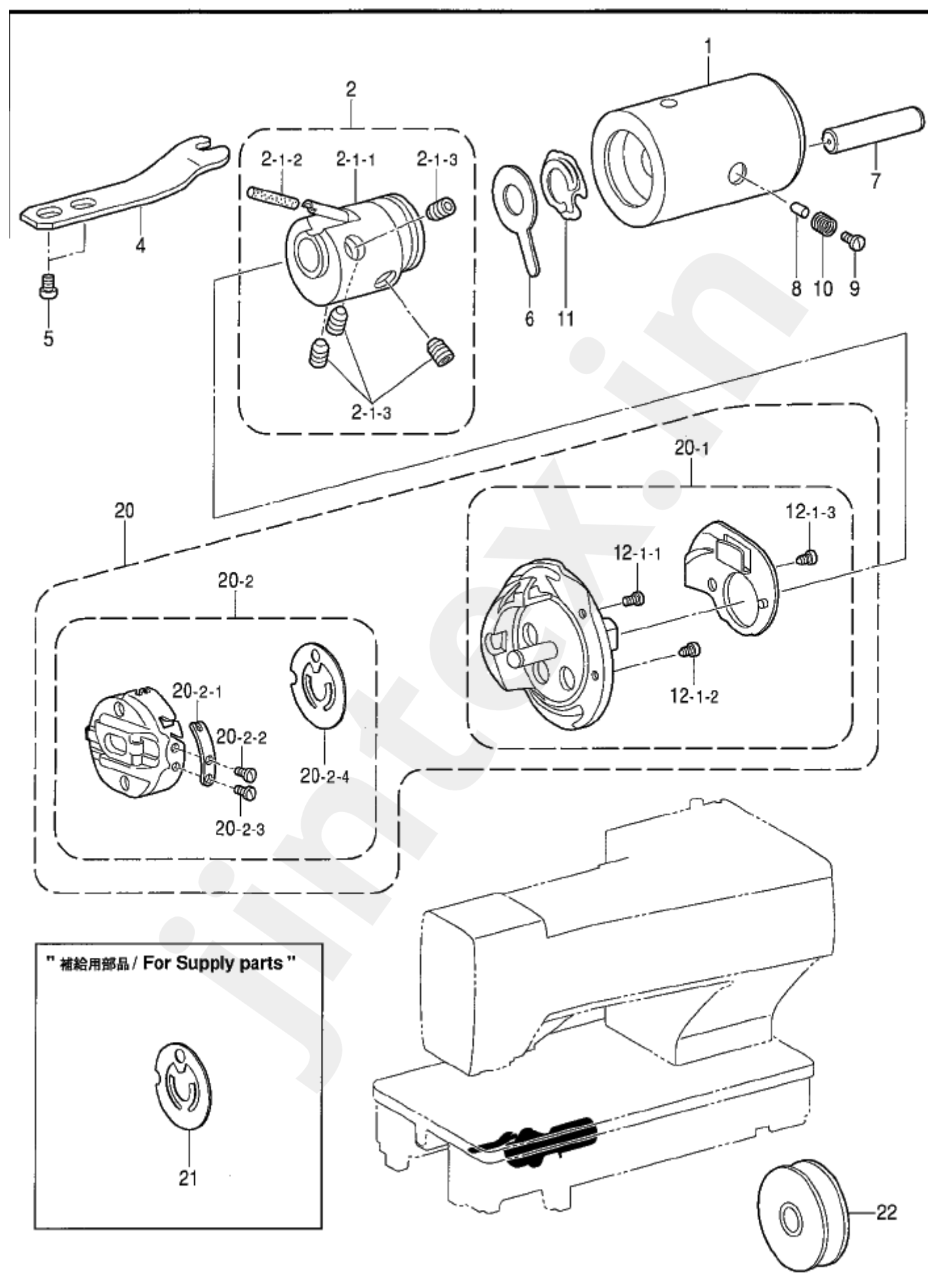
| REF.NO | CODE      | Q'TY | ヒンメイ                                  | NAME OF PARTS                  | RM |
|--------|-----------|------|---------------------------------------|--------------------------------|----|
| 1      | S50273000 | 1    | イトキレカンチイトアンナイ                         | THREAD GUIDE                   |    |
| 2      | 025060232 | 1    | ヒラサ <sup>カ</sup> ネチユ6                 | WASHER, PLAIN M 6              |    |
| 3      | 025350332 | 1    | ヒラサ <sup>カ</sup> ネチ <sup>イ</sup> 3.5  | WASHER, PLAIN L 3.5            |    |
| 4      | 060670612 | 1    | ハ <sup>イ</sup> ント <sup>357-40X6</sup> | SCREW, BIND SM3.57-40X6        |    |
| 5      | 159145001 | 1    | イトキレカンチレハ <sup>ー</sup> シ <sup>ク</sup> | SHAFT, ;TR-BREAKAGE PERCEIVING |    |
| 6      | S51173001 | 1    | カツタオチホ <sup>ウシ</sup> タ <sup>ミ</sup>   | CUTTER BAR FIXED PLATE ASSY    |    |
| 6-1    | 141619001 | 1    | カツタオチホ <sup>ウシ</sup> タ                | FIXEING PLATE, ;C-BAR          |    |
| 6-2    | 141620001 | 1    | ホ <sup>ウシ</sup> タハ <sup>ランス</sup>     | BALANCER                       |    |
| 6-3    | 101671002 | 1    | シメネシ <sup>4.37</sup>                  | SCREW, SM4.37                  |    |
| 7      | 014760622 | 1    | アトメネシ <sup>5.95</sup>                 | SET SCREW, SOCKET SM5.95       |    |
| 10     | S50274001 | 2    | レハ <sup>ー</sup> ストツハ <sup>ー</sup>     | LEVER STOPPER                  |    |
| 11     | 062400612 | 2    | ナ <sup>ハ</sup> コ <sup>4X6</sup>       | SCREW, PAN M4X6                |    |
| 12     | S50275001 | 1    | イトキレカンチセンサイタ                          | PLATE, ;TR-BREAKAGE SENSOR     |    |
| 13     | 062400612 | 1    | ナ <sup>ハ</sup> コ <sup>4X6</sup>       | SCREW, PAN M4X6                |    |

118-H80-219

## K.下軸関係 / Lower shaft mechanism

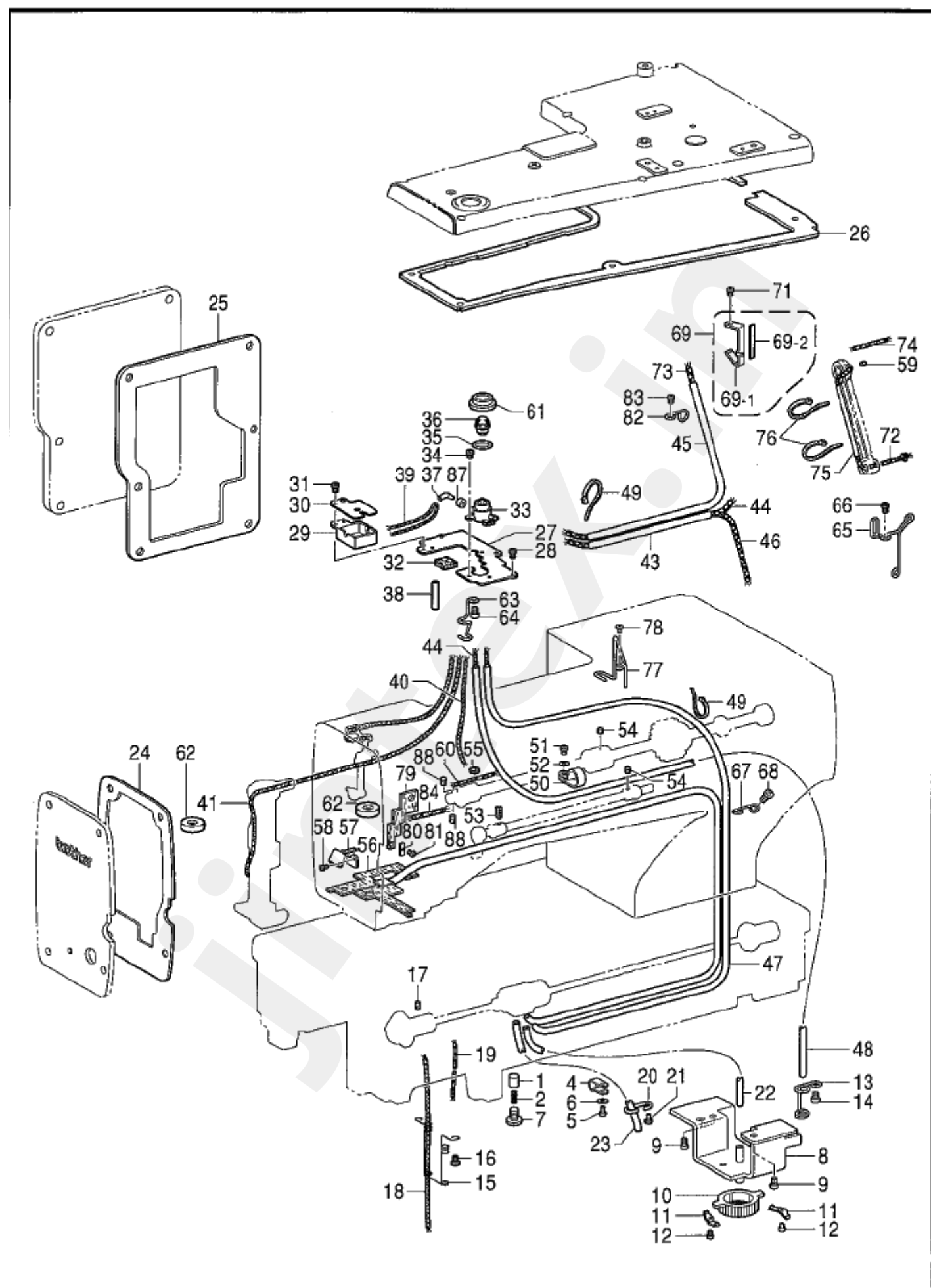
| REF.NO | CODE      | Q'TY | ヒンメイ                                 | NAME OF PARTS                 | RM |
|--------|-----------|------|--------------------------------------|-------------------------------|----|
| 1      | S50240001 | 1    | シタシ <sup>ク</sup>                     | LOWER SHAFT                   |    |
| 2      | S50241001 | 1    | タイミンク <sup>フ</sup> ーリク <sup>ミ</sup>  | TIMMING PULLEY ASSY           |    |
| 2-1    | 076002450 | 1    | タマシ <sup>ク</sup> ウケ6002DD            | BALL BEARING, 6002DD          |    |
| 2-2    | 014760622 | 2    | アトメネシ <sup>5.95</sup>                | SET SCREW, SOCKET SM5.95      |    |
| 4      | 183827001 | 1    | セツトカラー <sup>クミ</sup>                 | SET SCREW COLLAR ASSY         |    |
| 4-1    | 104521001 | 1    | セツトカラー                               | SET SCREW COLLAR              |    |
| 4-2    | 014770622 | 2    | アトメネシ <sup>6.35</sup> ホ <sup>ミ</sup> | SET SCREW, SOCKET (CP) SM6.35 |    |
| 5      | S50243001 | 1    | シタシ <sup>ク</sup> メタル <sup>クミ</sup>   | BUSH ASSY, M                  |    |
| 5-1    | S50244001 | 1    | シタシ <sup>ク</sup> メタル                 | BUSH, M                       |    |
| 5-2    | S38735001 | 4    | オイル <sup>ク</sup>                     | OIL FEEDING PIPE              |    |
| 5-3    | 142274101 | 4    | ゴム <sup>セン</sup> 4.2                 | RUBBER CAP, 4.2               |    |
| 6      | S50245001 | 1    | シタシ <sup>ク</sup> メタル <sup>カバー</sup>  | COVER                         |    |
| 7      | 062670612 | 2    | ナ <sup>ハ</sup> コ <sup>357-40X6</sup> | SCREW, PAN SM3.57-40X6        |    |

118-H80-305

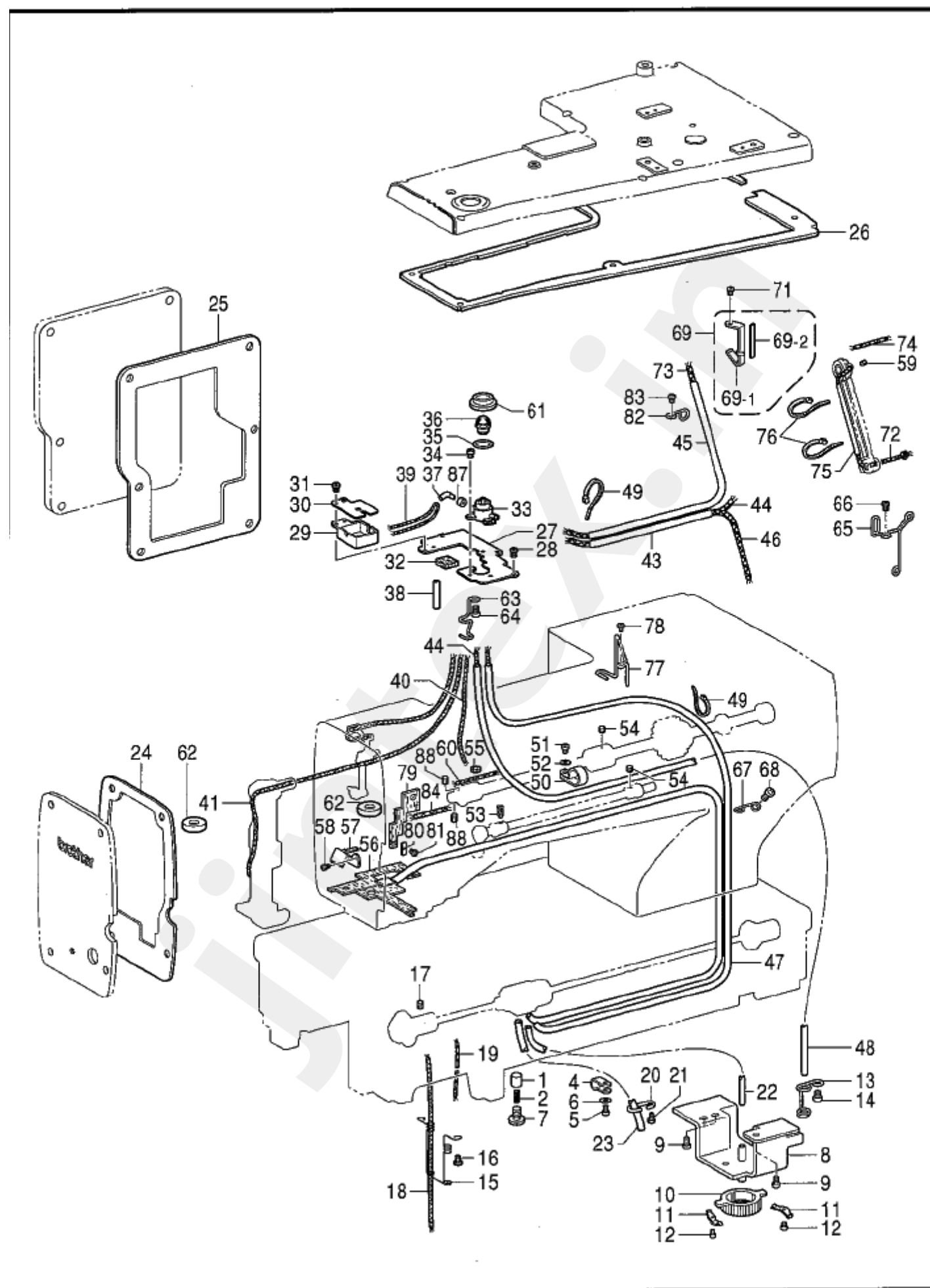


## L. カマ関係 / Rotary hook mechanism

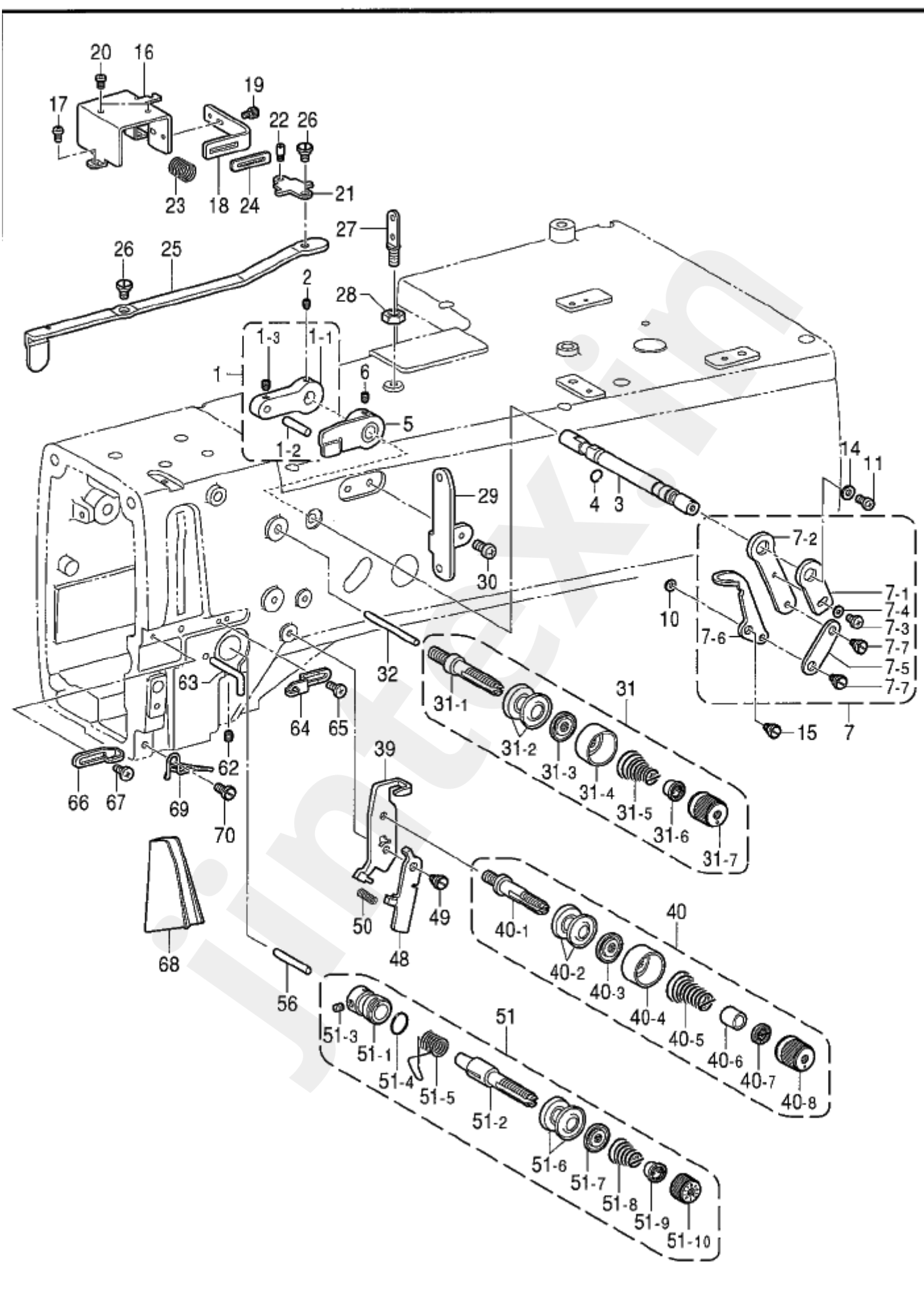
| REF.NO | CODE      | QTY | ヒンメイ                 | NAME OF PARTS                           | RM |
|--------|-----------|-----|----------------------|-----------------------------------------|----|
| 1      | S50226001 | 1   | カマシメタル               | BUSH                                    |    |
| 2      | S51226001 | 1   | カマツキテソウミ             | ROTARY HOOK JOINT SET                   |    |
| 2-1    | S50227001 | 1   | カマツキテクミ              | JOINT ASSY, ;R-HOOK                     |    |
| 2-1-1  | S50228001 | 1   | カマツキテ                | JOINT, ;R-HOOK                          |    |
| 2-1-2  | S50229000 | 1   | フェルト                 | FELT                                    |    |
| 2-1-3  | 014760622 | 4   | アサトメネジ 5.95          | SET SCREW, SOCKET SM5.95                |    |
| 4      | S50230001 | 1   | カマトメ                 | B-CASE HOLDER POSITION BRACKET          |    |
| 5      | 100644005 | 2   | シメネジ 4.37            | SCREW, SM4.37                           |    |
| 6      | S50232000 | 1   | カマフェルト               | FELT                                    |    |
| 7      | S50231100 | 1   | トウシンカラー              | COLLAR                                  |    |
| 8      | S07478000 | 1   | ゴムオサエ                | RUBBER PRESSER                          |    |
| 9      | S54741001 | 1   | シメネジ 6.35            | SCREW, SM6.35                           |    |
| 10     | S50233001 | 1   | ゴムオサエハネ              | SPRING                                  |    |
| 11     | S50111000 | 1   | フェルトオサエハネ            | SPRING                                  |    |
| 20     | S50234901 | 1   | カマホビソナーズハコクミ         | R-HOOK & B-CASE ASSY, W/BOX             |    |
| 20-1   | S50235901 | 1   | カマハコクミ               | ROTARY HOOK ASSY, W/BOX                 |    |
| 20-1-1 | 183526001 | 2   | ナカカマオサエシメネジ          | SCREW                                   |    |
| 20-1-2 | S50236001 | 1   | ナカカマオサエシメネジ B        | SCREW                                   |    |
| 20-1-3 | 183598001 | 1   | ウライタシメネジ             | SCREW                                   |    |
| 20-2   | S50237001 | 1   | ホビソナーズクミ             | BOBBIN CASE ASSY                        |    |
| 20-2-1 | S09477001 | 1   | ホビソナーズクミハネ           | SPRING                                  |    |
| 20-2-2 | 180721001 | 1   | チヨウソハネシメネジ           | SCREW                                   |    |
| 20-2-3 | 183507001 | 1   | チヨウソネジ               | ADJUSTING SCREW                         |    |
| 20-2-4 | S50239001 | 1   | ホビソナーズハネ             | SPRING, ANTI-SPIN                       |    |
| 22     | 159158051 | 1   | ホビソ                  | BOBBIN                                  |    |
| 21     | S50239001 | 1   | ” 補給部品 ”<br>ホビソナーズハネ | ”For Supply parts”<br>SPRING, ANTI-SPIN |    |



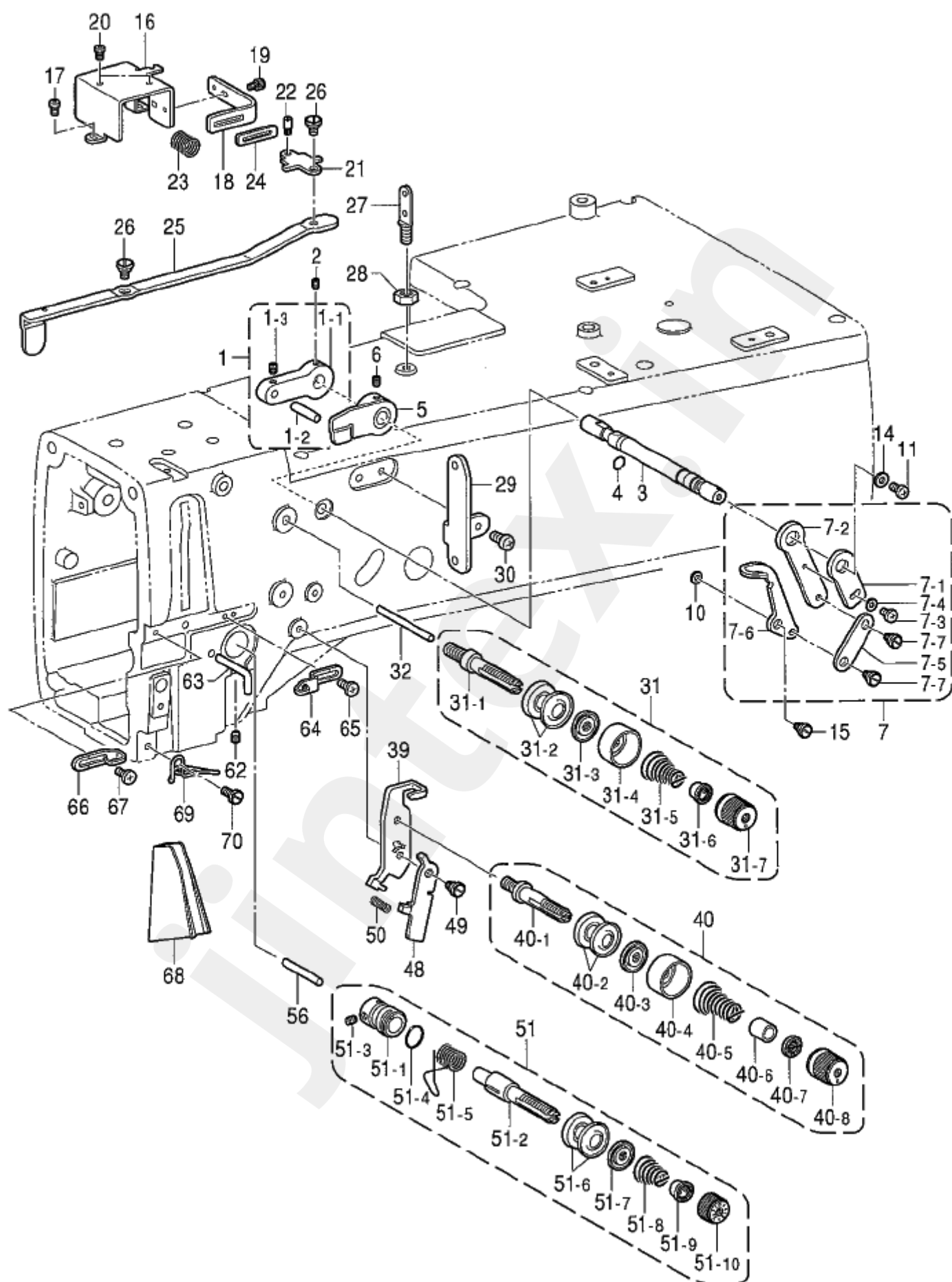
| REF.NO | CODE      | Q'TY | ヒンメイ            | NAME OF PARTS           | RM |
|--------|-----------|------|-----------------|-------------------------|----|
| 1      | 144875001 | 2    | ﾌﾞﾗﾝｼﾞｬｰ        | PLUNGER                 |    |
| 2      | S52764001 | 2    | ﾌﾞﾗﾝｼﾞｬｰﾊﾞﾅ     | SPRING, COMPRESSION     |    |
| 4      | 552907000 | 2    | ｺｰﾄﾞﾎﾙﾀﾞｰ#10    | CORD HOLDER, 10N        |    |
| 5      | 062670612 | 2    | ﾅﾊﾞｺ357-40X6    | SCREW, PAN SM3.57-40X6  |    |
| 6      | 025350132 | 2    | ﾋﾗｻﾞｶﾞﾅｼｮｳ      | WASHER, PLAIN S 3.5     |    |
| 7      | 112467002 | 2    | ｼﾒﾈｼﾞ6.35       | SCREW, SM6.35X5         |    |
| 8      | S50356001 | 1    | ｵｲﾙﾌｨﾙﾀﾄﾘｯｹｲﾀｸﾐ | OIL FILTER BRACKET ASSY |    |
| 9      | 062680812 | 3    | ﾅﾊﾞｺ437-40X8    | SCREW, PAN SM4.37-40X8  |    |
| 10     | 144872101 | 1    | ｵﾝﾌﾟﾌｨﾙﾀｰ       | PUMP FILTER             |    |
| 11     | 144874001 | 2    | ﾌｨﾙﾀｰﾊﾞﾅ        | SPRING                  |    |
| 12     | 062670512 | 2    | ﾅﾊﾞｺ357-40X5    | SCREW, PAN SM3.57-40X5  |    |
| 13     | S50359001 | 1    | ﾁｭｰﾌﾞｻｻｲ        | TUBE SUPPORT, D         |    |
| 14     | 062680612 | 1    | ﾅﾊﾞｺ4.37-40X6   | SCREW, PAN SM4.37-40X6  |    |
| 15     | S50360001 | 1    | ｶﾏﾌｨﾙﾄｻｻｲ       | FELT SUPPORT            |    |
| 16     | 060670612 | 2    | ﾊﾞｲﾝﾄﾞ357-40X6  | SCREW, BIND SM3.57-40X6 |    |
| 17     | S50556000 | 1    | ﾌｨﾙﾄ            | FELT                    |    |
| 18     | S50563000 | 1    | ｸﾐﾋﾂ4X200       | WICK, 4X200             |    |
| 19     | S50564000 | 1    | ｸﾐﾋﾂ2X300       | WICK, 2X150             |    |
| 20     | S50559001 | 1    | ﾁｭｰﾌﾞｻｻｲ        | TUBE SUPPORT            |    |
| 21     | 060670612 | 1    | ﾊﾞｲﾝﾄﾞ357-40X6  | SCREW, BIND SM3.57-40X6 |    |
| 22     | S50557000 | 1    | ﾋﾞﾆﾙﾁｭｰﾌﾞ       | OIL TUBE                |    |
| 23     | S50558000 | 1    | ﾋﾞﾆﾙﾁｭｰﾌﾞ       | OIL TUBE, L=180         |    |
| 24     | S50513000 | 1    | ﾒﾝｲﾀﾊﾟｯｷﾝ       | PACKING, ;F-PLATE       |    |
| 25     | S50514000 | 1    | ｶﾞﾌｨﾀﾊﾟｯｷﾝ      | PACKING, ;R-COVER       |    |
| 26     | S50515000 | 1    | ｳﾌﾌﾀﾊﾟｯｷﾝ       | PACKING, ;T-COVER       |    |
| 27     | S50516001 | 1    | ﾄｳｼﾝﾊﾞｰｽｻｻｲ     | WICK BASE SUPPORT       |    |
| 28     | 062670612 | 2    | ﾅﾊﾞｺ357-40X6    | SCREW, PAN SM3.57-40X6  |    |
| 29     | 159187000 | 1    | ﾄｳｼﾝﾊﾞｰｽA       | FELT BASE, A            |    |
| 30     | S50517001 | 1    | ﾄｳｼﾝﾊﾞｰｽﾌﾀ      | CAP                     |    |
| 31     | 062680712 | 2    | ﾅﾊﾞｺ437-40X7    | SCREW, PAN SM4.37-40X7  |    |
| 32     | S50518000 | 1    | ﾄｳｼﾝﾊﾞｰｽﾌｨﾙﾄ    | FELT                    |    |
| 33     | S50519000 | 1    | ｵｲﾙﾀｰﾐﾅﾙ        | OIL TERMINAL            |    |
| 34     | 062680612 | 2    | ﾅﾊﾞｺ4.37-40X6   | SCREW, PAN SM4.37-40X6  |    |
| 35     | S50520000 | 1    | ﾊﾟｯｷﾝ           | PACKING                 |    |
| 36     | S50521000 | 1    | ｵｲﾙﾏﾄﾞ          | OIL CAP                 |    |
| 37     | 159193000 | 1    | ｵｲﾙﾊﾟｲﾌﾟB       | OIL PIPE, B             |    |
| 38     | S50522000 | 1    | ﾋﾞﾆﾙﾁｭｰﾌﾞ       | OIL TUBE                |    |
| 39     | S52763000 | 1    | ｸﾐﾋﾂ2X140       | WICK, 2X140             |    |
| 40     | S50524000 | 1    | ｸﾐﾋﾂ3X160       | WICK, 3X160             |    |
| 41     | S50525000 | 1    | ｸﾐﾋﾂ3X290       | WICK, 3X290             |    |
| 43     | S50527000 | 1    | ﾋﾞﾆﾙﾁｭｰﾌﾞ       | OIL TUBE                |    |
| 44     | S50528000 | 1    | ｸﾐﾋﾂ3X280       | WICK, 3X280             |    |
| 45     | S50529000 | 1    | ﾋﾞﾆﾙﾁｭｰﾌﾞ       | OIL TUBE, L=320         |    |
| 46     | S50530000 | 1    | ｸﾐﾋﾂ3X355       | WICK, 3X355             |    |
| 47     | S50531000 | 1    | ﾋﾞﾆﾙﾁｭｰﾌﾞ       | OIL TUBE                |    |
| 48     | S50532000 | 1    | ﾋﾞﾆﾙﾁｭｰﾌﾞ       | OIL TUBE                |    |
| 49     | 228475000 | 2    | ｹｯｿｸﾊﾞﾝﾄﾞ1.9X80 | FASTENING BAND, 1.9X80  |    |
| 50     | S00480000 | 1    | ｺｰﾄﾞﾎﾙﾀﾞｰ#5     | CORD HOLDER, 5N         |    |
| 51     | 062670612 | 1    | ﾅﾊﾞｺ357-40X6    | SCREW, PAN SM3.57-40X6  |    |
| 52     | 025350132 | 1    | ﾋﾗｻﾞｶﾞﾅｼｮｳ      | WASHER, PLAIN S 3.5     |    |
| 53     | 106436001 | 1    | ﾌｨﾙﾄ            | FELT                    |    |
| 54     | 107149001 | 2    | ﾌｨﾙﾄ            | FELT                    |    |
| 55     | 151927001 | 1    | ｸﾗｯﾁﾌｨﾙﾄ        | FELT, ;CLUTCH           |    |
| 56     | S50533000 | 1    | ｽｲｱｹﾞﾁｭｰﾌﾞｸﾐ    | OIL TUBE ASSY           |    |
| 57     | S50536001 | 1    | ﾌｨﾙﾄｵｻｲ         | FELT HOLDER             |    |
| 58     | 062670512 | 1    | ﾅﾊﾞｺ357-40X5    | SCREW, PAN SM3.57-40X5  |    |
| 59     | S25328001 | 1    | ﾌｨﾙﾄ            | FELT                    |    |
| 60     | S50537000 | 1    | ｸﾐﾋﾂ4X50        | WICK, 4X50              |    |
| 61     | S50538001 | 1    | ｵｲﾙﾜﾝﾄﾞｻｻｲ      | OIL WINDOW SUPPORT      |    |
| 62     | S50539000 | 2    | ｵｲﾙﾗｹﾞﾘ         | OIL REJECTOR            |    |
| 63     | S50540001 | 1    | ﾊﾞｲﾝﾄﾞ357-40X6  | TUBE SUPPORT            |    |



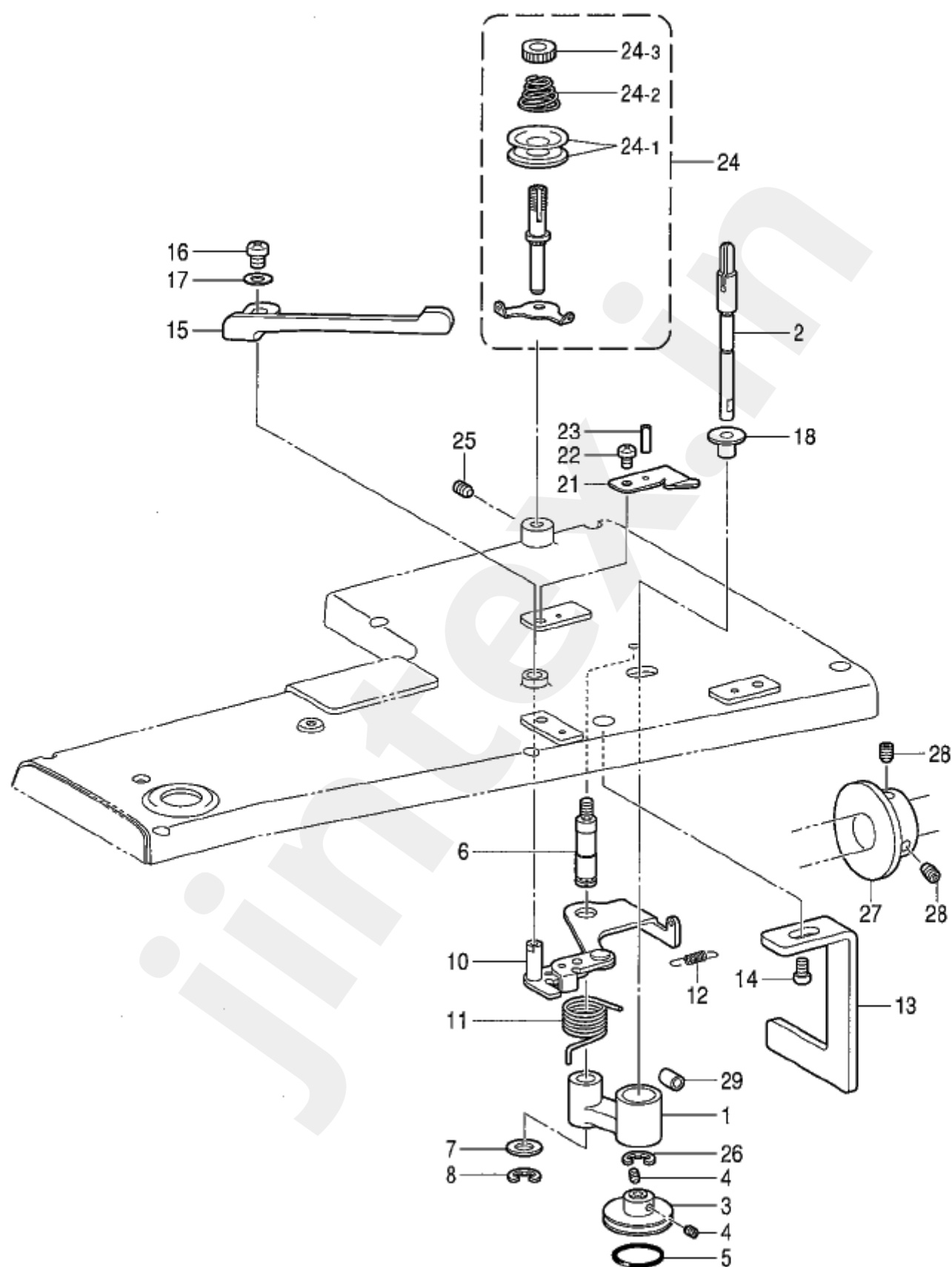
| REF.NO | CODE      | Q'TY | 品名             | NAME OF PARTS           | RM |
|--------|-----------|------|----------------|-------------------------|----|
| 64     | 062680612 | 1    | ナット 37-40X6    | SCREW, PAN SM4.37-40X6  |    |
| 65     | S50541001 | 1    | チューブ ササIU      | TUBE SUPPORT, U         |    |
| 66     | 062670512 | 1    | ナット 357-40X5   | SCREW, PAN SM3.57-40X5  |    |
| 67     | S50542001 | 1    | チューブ ササIM      | TUBE SUPPORT, M         |    |
| 68     | 062400612 | 1    | ナット M4X6       | SCREW, PAN M4X6         |    |
| 69     | S54763001 | 1    | バリフリエルトササエ     | FELT SUPPORT ASSY       |    |
| 69-1   | S50543001 | 1    | バリフリエルトササエ     | FELT SUPPORT            |    |
| 69-2   | S50544000 | 1    | フェルト           | FELT                    |    |
| 71     | 062400612 | 1    | ナット M4X6       | SCREW, PAN M4X6         |    |
| 72     | S50545000 | 1    | クミモ 3X180      | WICK, 3X180             |    |
| 73     | S50546000 | 1    | クミモ 3X370      | WICK, 3X370             |    |
| 74     | S50537000 | 1    | クミモ 4X50       | WICK, 4X50              |    |
| 75     | S50547000 | 1    | ヒートチューブ        | OIL TUBE                |    |
| 76     | 228475000 | 2    | クワソクバンド 1.9X80 | FASTENING BAND, 1.9X80  |    |
| 77     | S50548001 | 1    | バリフリエルトササIR    | TUBE SUPPORT, R         |    |
| 78     | 060670612 | 1    | ナット 357-40X6   | SCREW, BIND SM3.57-40X6 |    |
| 79     | S50549000 | 1    | クランクシャフトフェルト   | FELT                    |    |
| 80     | S50550001 | 1    | フェルトササエ        | FELT SUPPORT            |    |
| 81     | 062670512 | 1    | ナット 357-40X5   | SCREW, PAN SM3.57-40X5  |    |
| 82     | S50551001 | 1    | バリフリエルトササI     | TUBE SUPPORT            |    |
| 83     | 002300603 | 1    | ナット 13X6       | SCREW, PAN M3X6         |    |
| 84     | S50552000 | 1    | クミモ 4X70       | WICK, 4X70              |    |
| 87     | S51020000 | 1    | トウシカラー         | COLLAR                  |    |
| 88     | S25328001 | 2    | フェルト           | FELT                    |    |



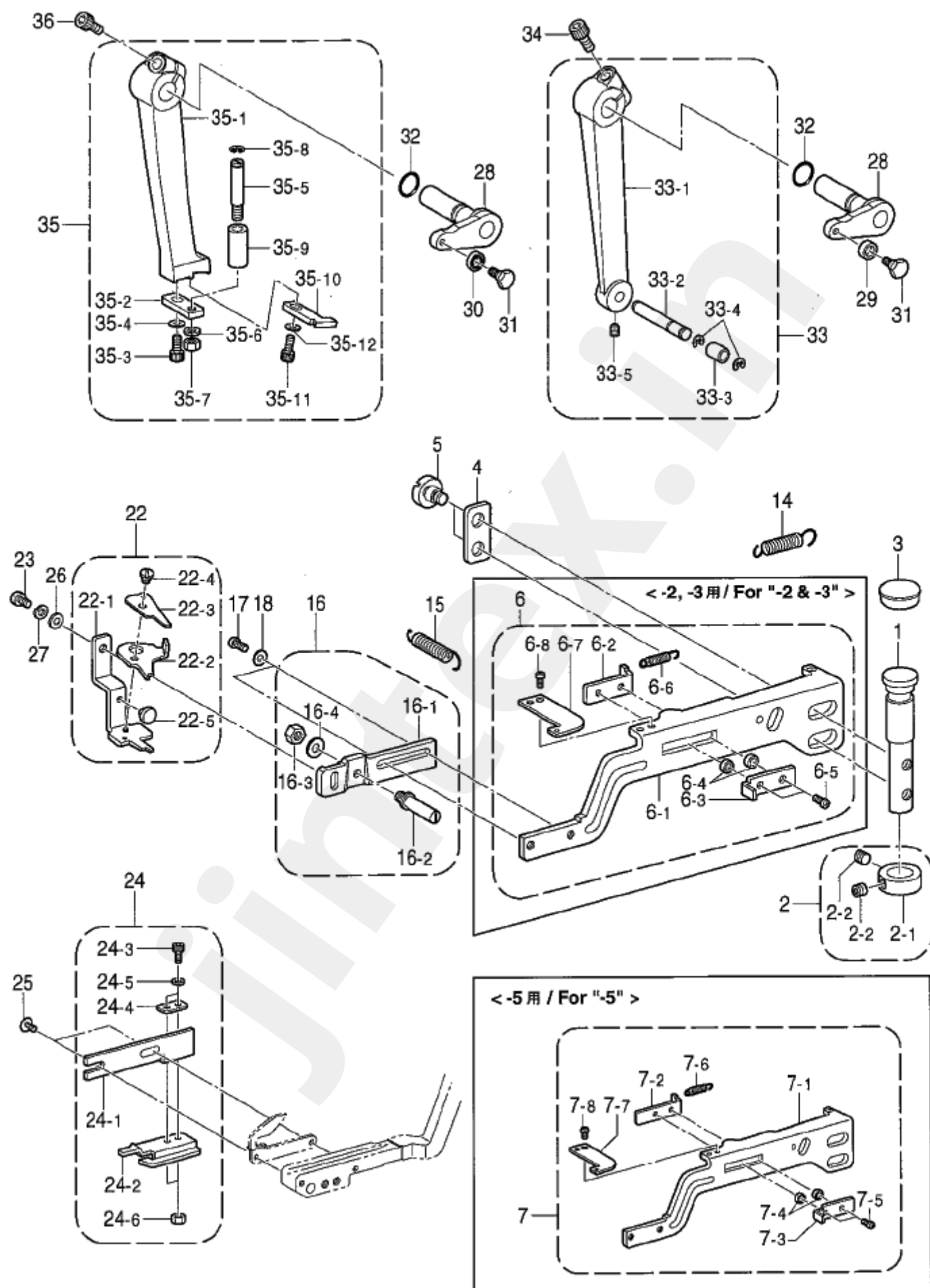
| REF.NO | CODE      | QTY | ヒンメイ           | NAME OF PARTS                 | RM |
|--------|-----------|-----|----------------|-------------------------------|----|
| 1      | S50368001 | 1   | イトユルメクトウレバークミ  | T-RELEASE DRIVING LEVER ASSY  |    |
| 1-1    | S50369001 | 1   | イトユルメクトウレバークミ  | TENSION RELEASE DRIVING LEVER |    |
| 1-2    | S35095000 | 1   | ニートルM-4X13.8   | NEEDLE ROLLER, 4X13.8         |    |
| 1-3    | 014400432 | 1   | アナクネミ4X4       | SET SCREW, SOCKET (CP) M4X4   |    |
| 2      | 014760622 | 1   | アナメネシ5.95      | SET SCREW, SOCKET SM5.95      |    |
| 3      | S50370001 | 1   | イトユルメシク        | TENSION RELEASE SHAFT         |    |
| 4      | 081005070 | 1   | 0リングP5         | O RING, P5                    |    |
| 5      | S50371101 | 1   | イトユルメカム        | TENSION RELEASE CAM           |    |
| 6      | 014760622 | 1   | アナメネシ5.95      | SET SCREW, SOCKET SM5.95      |    |
| 7      | S51185001 | 1   | イトトリレバークミ      | TENSION TAKE-UP LEVER ASSY    |    |
| 7-1    | S50372001 | 1   | イトクリダシレバークミ    | LEVER                         |    |
| 7-2    | S50373001 | 1   | イトトリチヨウセツレバークミ | ADJUSTING LEVER               |    |
| 7-3    | 060670512 | 1   | ハイント357-40X5   | SCREW, BIND SM3.57-40X5       |    |
| 7-4    | 100645003 | 1   | サカネ            | WASHER                        |    |
| 7-5    | S50374001 | 1   | イトトリレバークミ      | LEVER LINK                    |    |
| 7-6    | S50375001 | 1   | イトトリレバークミ      | TENSION TAKE-UP LEVER         |    |
| 7-7    | S50376001 | 2   | ダンネシ4.37       | SHOULDER SCREW, SM4.37        |    |
| 10     | 100645003 | 1   | サカネ            | WASHER                        |    |
| 11     | 062680612 | 1   | ハコ4.37-40X6    | SCREW, PAN SM4.37-40X6        |    |
| 14     | 025680234 | 1   | ヒラサカネシヨウ4.37   | WASHER, PLAIN S 4.37          |    |
| 15     | S50376001 | 1   | ダンネシ4.37       | SHOULDER SCREW, SM4.37        |    |
| 16     | S50377001 | 1   | イトユルメソレノイトホルダ  | SOLENOID HOLDER               |    |
| 17     | 062670612 | 2   | ハコ357-40X6     | SCREW, PAN SM3.57-40X6        |    |
| 18     | S50378001 | 1   | プランジャオサエ       | PLATE                         |    |
| 19     | 018300636 | 1   | アサネネ3X6        | BOLT, SOCKET M3X6             |    |
| 20     | 062300502 | 2   | ハコ3X5          | SCREW, PAN M3X5               |    |
| 21     | S50379001 | 1   | イトユルメソレノイトリンク  | T-RELEASE SOLENOID LINK       |    |
| 22     | S25456001 | 1   | プランジャピン        | PLUNGER PIN                   |    |
| 23     | S50380000 | 1   | プランジャオサエ       | SPRING                        |    |
| 24     | S50381000 | 1   | オサエゴム          | RUBBER                        |    |
| 25     | S50382001 | 1   | イトユルメリンク       | TENSION RELEASE LINK          |    |
| 26     | S50376001 | 2   | ダンネシ4.37       | SHOULDER SCREW, SM4.37        |    |
| 27     | 141590001 | 1   | イトチヨウホウ        | THREADING BAR, U              |    |
| 28     | 150553003 | 1   | ナツ5.95         | NUT, SM5.95                   |    |
| 29     | S50383001 | 1   | イトカ            | THREAD RETAINER               |    |
| 30     | 062670612 | 2   | ハコ357-40X6     | SCREW, PAN SM3.57-40X6        |    |
| 31     | S51184001 | 1   | フイトチヨウシクミ      | SUB THREAD TENSION ASSY       |    |
| 31-1   | 159219101 | 1   | フイトチヨウシクミ      | SUB TENSION STUD              |    |
| 31-2   | 145446001 | 2   | イトチヨウシクミ       | DISC, TENSION                 |    |
| 31-3   | 159805001 | 1   | イトチヨウシクミ       | DISC PRESSER, TENSION         |    |
| 31-4   | 144103009 | 1   | イトチヨウシクミ       | DISC PRESSER, TENSION         |    |
| 31-5   | 144110001 | 1   | シタルハイトチヨウシクミ   | TENSION ADJUSTING SPRING      |    |
| 31-6   | S30564000 | 1   | チヨウシハネウエサカネ    | WASHER                        |    |
| 31-7   | S30565003 | 1   | イトチヨウシクミ       | TENSION NUT, RED              |    |
| 32     | S50384101 | 1   | イトユルメピン        | TENSION RELEASE PIN           |    |
| 39     | S50385001 | 1   | イトユルメレバークミ     | TENSION RELEASE LEVER BRACKET |    |
| 40     | S51183001 | 1   | イトチヨウシクミ       | TENSION STUD ASSY             |    |
| 40-1   | 145440001 | 1   | イトチヨウシクミ       | TENSION STUD                  |    |
| 40-2   | 145446001 | 2   | イトチヨウシクミ       | DISC, TENSION                 |    |
| 40-3   | 159805001 | 1   | イトチヨウシクミ       | DISC PRESSER, TENSION         |    |
| 40-4   | 144103009 | 1   | イトチヨウシクミ       | DISC PRESSER, TENSION         |    |
| 40-5   | S50386001 | 1   | イトチヨウシクミ       | TENSION SPRING                |    |
| 40-6   | S50387001 | 1   | チヨウシナツト        | COLLAR                        |    |
| 40-7   | S12441001 | 1   | チヨウシハネウエサカネ    | WASHER                        |    |
| 40-8   | S30565005 | 1   | イトチヨウシクミ       | TENSION NUT                   |    |
| 48     | S50388001 | 1   | イトユルメレバークミ     | TENSION RELEASE LEVER         |    |
| 49     | 114988001 | 1   | ダンネシ4.37       | SHOULDER SCREW, M4.37         |    |
| 50     | S50389001 | 1   | イトユルメレバークミ     | SPRING                        |    |
| 51     | S51182101 | 1   | イトチヨウシクミ       | TENSION STUD BRACKET ASSY     |    |
| 51-1   | S50390101 | 1   | イトチヨウシクミ       | TENSION STUD BRACKET          |    |
| 51-2   | S50391001 | 1   | イトチヨウシクミ       | TENSION STUD, L               |    |



| REF.NO | CODE      | QTY | ヒンメイ          | NAME OF PARTS            | RM |
|--------|-----------|-----|---------------|--------------------------|----|
| 51-3   | 100402004 | 1   | トメネジ 3.57     | SET SCREW, SM3.57        |    |
| 51-4   | 081014870 | 1   | Oリング S14      | O RING, S14              |    |
| 51-5   | 145519001 | 1   | イトリハネ         | THREAD TAKE-UP SPRING    |    |
| 51-6   | 145446001 | 2   | イトチヨウサヲ       | DISC, TENSION            |    |
| 51-7   | 159805001 | 1   | イトチヨウサヲオサエ    | DISC PRESSER, TENSION    |    |
| 51-8   | 159221001 | 1   | イトチヨウサハネ      | TENSION SPRING           |    |
| 51-9   | S30564000 | 1   | チヨウサハネウサガネ    | WASHER                   |    |
| 51-10  | S31032001 | 1   | イトチヨウサナツト     | TENSION NUT              |    |
| 56     | S50384101 | 1   | イトユルヒン        | TENSION RELEASE PIN      |    |
| 62     | S55975001 | 1   | アトメネジ 5.95    | SET SCREW, SOCKET SM5.95 |    |
| 63     | 159224001 | 1   | アームイトカ        | THREAD GUIDE, ARM        |    |
| 64     | S50392001 | 1   | アームイトアンナイ     | THREAD GUIDE, ;ARM       |    |
| 65     | 060670512 | 1   | ハイント 357-40X5 | SCREW, BIND SM3.57-40X5  |    |
| 66     | 113316001 | 1   | アームイトアンナイ     | THREAD GUIDE             |    |
| 67     | 060670512 | 1   | ハイント 357-40X5 | SCREW, BIND SM3.57-40X5  |    |
| 68     | S50393000 | 1   | イトオシタ         | THREADING PLATE          |    |
| 69     | 159917201 | 1   | アームイトアンナイシタ   | THREAD GUIDE, L ;ARM     |    |
| 70     | 112751003 | 1   | シメネジ 3.57     | SCREW, SM3.57X7          |    |
| 71     | 048060342 | 1   | トメ7E6         | RETAINING RING, E6       |    |

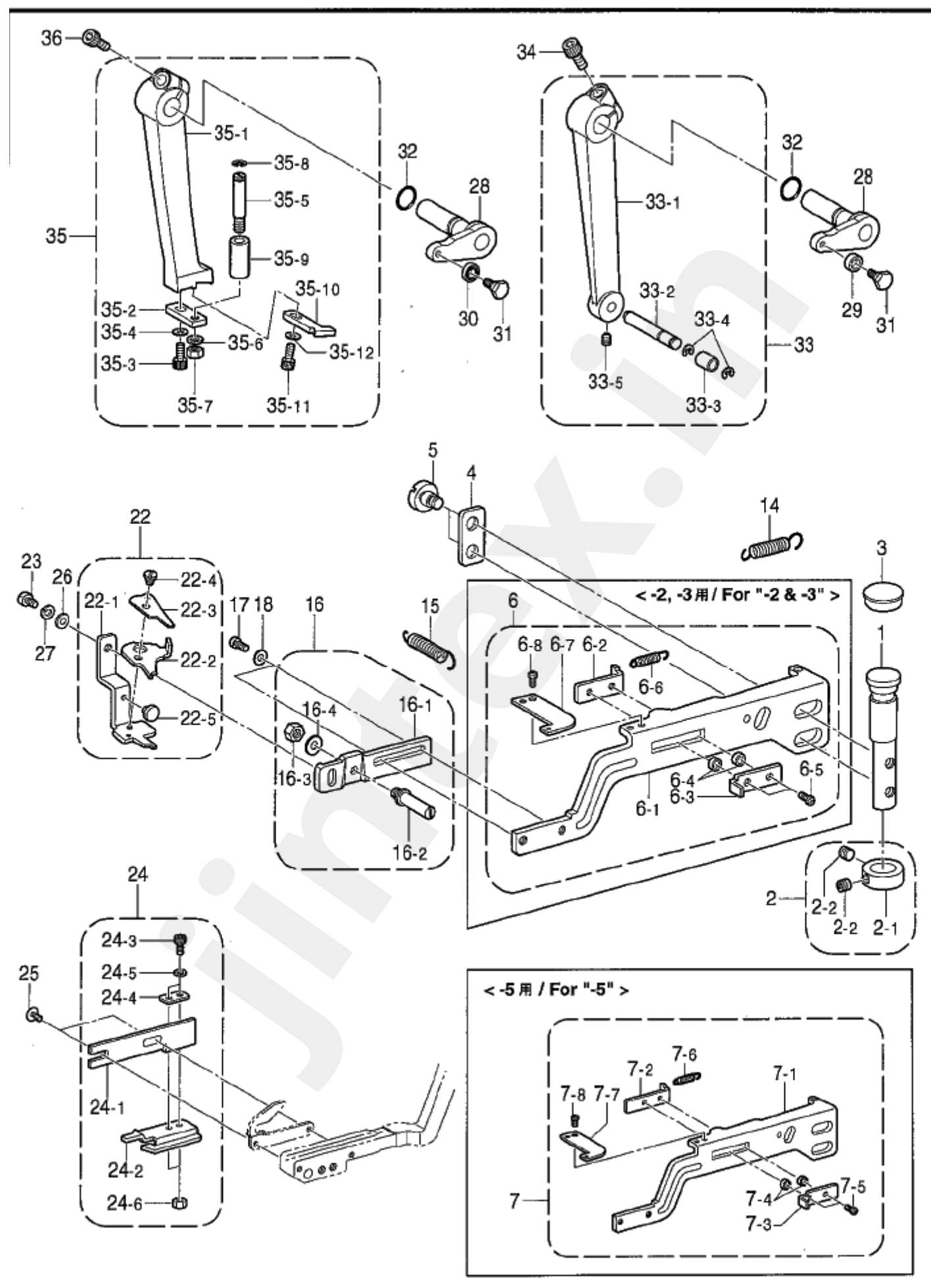


| REF.NO | CODE      | QTY | ヒンメイ          | NAME OF PARTS                 | RM |
|--------|-----------|-----|---------------|-------------------------------|----|
| 1      | S50276001 | 1   | イトマキシクウクミ     | B-WINDER SHAFT BRACKET ASSY   |    |
| 2      | S50278001 | 1   | イトマキシク        | BOBBIN WINDER SHAFT           |    |
| 3      | S25410050 | 1   | イトマキクルマ       | BOBBIN WINDER WHEEL           |    |
| 4      | 012400636 | 2   | アサヒラ4X6       | SET SCREW, SOCKET (FT) M4X6   |    |
| 5      | S25789000 | 1   | ゴム729         | RUBBER RING, 29               |    |
| 6      | S50279001 | 1   | イトマキテシク       | BOBBIN WINDER ARM SHAFT       |    |
| 7      | 025080132 | 1   | ヒラサカネシヨウ8     | WASHER, PLAIN S 8             |    |
| 8      | 048060342 | 1   | トメワE6         | RETAINING RING, E6            |    |
| 10     | S25413101 | 1   | ホヒンオサシクミ      | BOBBIN PRESSER SHAFT ASSY     |    |
| 11     | S25417001 | 1   | イトマキハネ        | SPRING                        |    |
| 12     | S25418101 | 1   | イトマキトシハネ      | SPRING                        |    |
| 13     | S50280001 | 1   | イトマキストッパ      | BOBBIN WINDER STOPPER         |    |
| 14     | 062400816 | 1   | ナハコ4X8        | SCREW, PAN M4X8               |    |
| 15     | S25420051 | 1   | ホヒンオサIR       | BOBBIN PRESSER, R             |    |
| 16     | 062400816 | 1   | ナハコ4X8        | SCREW, PAN M4X8               |    |
| 17     | 026040236 | 1   | ヒラサカネミカキ4     | WASHER, PLAIN 4               |    |
| 18     | S10174000 | 1   | ホコリヨケイタ       | DUST GUARD PLATE              |    |
| 21     | 157968001 | 1   | メス            | KNIFE                         |    |
| 22     | 062400616 | 1   | ナハコM4X6       | SCREW, PAN M4X6               |    |
| 23     | 047200642 | 1   | スプリングヒンAW2    | PIN, SPRING ROLL AW2          |    |
| 24     | S38736101 | 1   | イトマキイトチヨウシクミ  | BOBBIN WINDER TENSION ASSY    |    |
| 24-1   | 145446001 | 2   | イトチヨウシラ       | DISC, TENSION                 |    |
| 24-2   | 115188001 | 1   | シュイトチヨウシハネ    | SPRING, TENSION               |    |
| 24-3   | 108265009 | 1   | イトチヨウシナツト     | TENSION NUT                   |    |
| 25     | 012400636 | 1   | アサヒラ4X6       | SET SCREW, SOCKET (FT) M4X6   |    |
| 26     | 048040342 | 1   | トメワE4         | RETAINING RING, E4            |    |
| 27     | S50281000 | 1   | イトマキプーリ       | BOBBIN WINDER PULLEY          |    |
| 28     | 014780622 | 2   | アサトメネシ6.35ナハミ | SET SCREW, SOCKET (CP) SM6.35 |    |
| 29     | S50282000 | 1   | イトマキレバークッション  | B-WINDER LEVER CUSHION        |    |



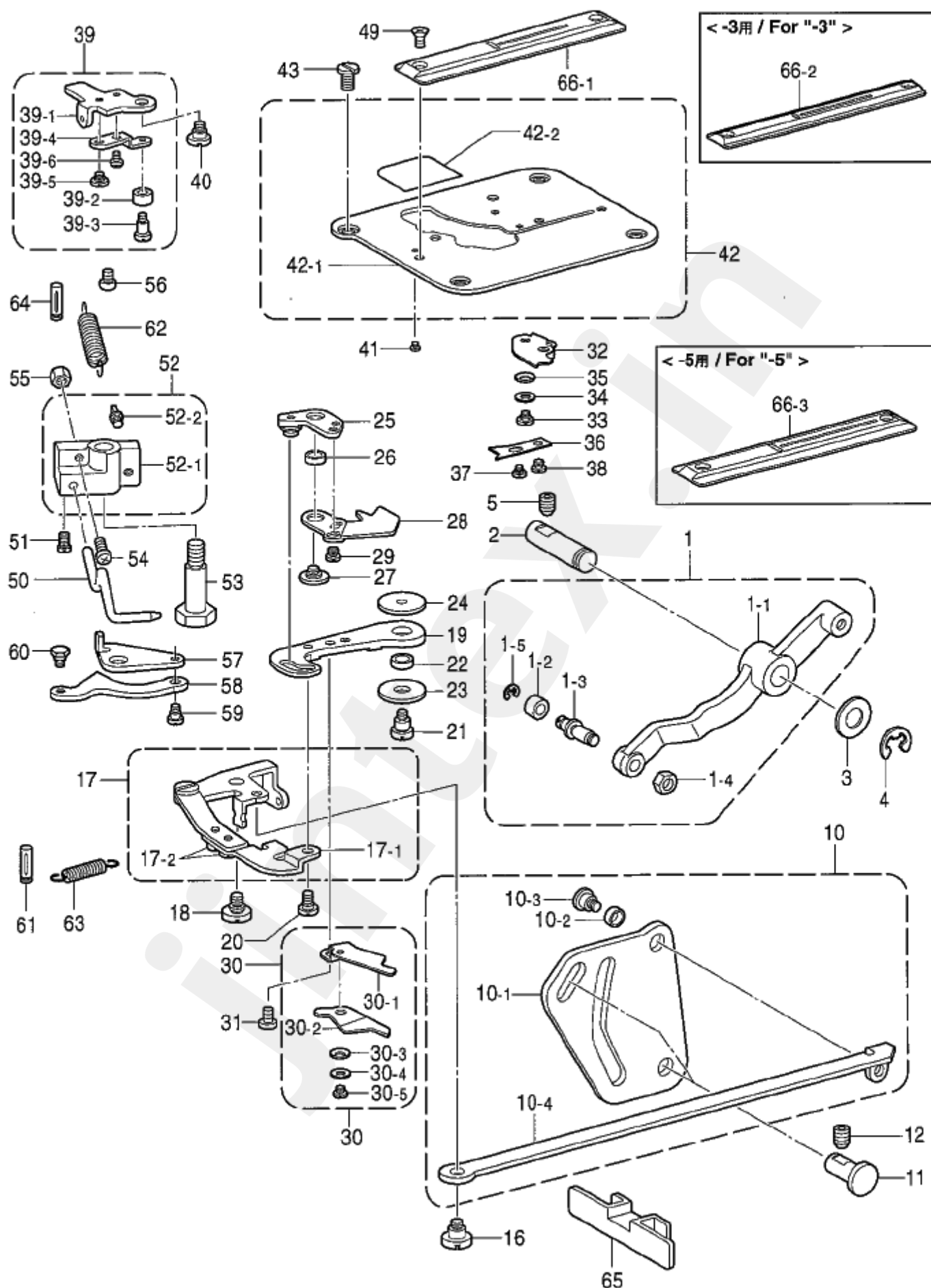
## Q.上糸切り関係 / Upper thread trimmer mechanism

| REF.NO | CODE      | QTY | ヒンメイ                    | NAME OF PARTS                                  | RM |
|--------|-----------|-----|-------------------------|------------------------------------------------|----|
| 1      | S50394001 | 1   | ウイトキリデジシク               | FULCRUM SHAFT, ;U-TR                           |    |
| 2      | S21755001 | 1   | セツカークミ                  | SET SCREW COLLAR ASSY                          |    |
| 2-1    | 110027001 | 1   | セツカーク                   | SET SCREW COLLAR                               |    |
| 2-2    | 014760622 | 2   | アトメネシ 5.95              | SET SCREW, SOCKET SM5.95                       |    |
| 3      | S23337001 | 1   | ゴムセン18.5                | RUBBER CAP, 18.5                               |    |
| 4      | S52761001 | 1   | ウイトキリバネサカネ              | WASHER, RECTANGLE 15X32X2.4                    |    |
| 5      | S19817001 | 2   | ダンネシ 5.95               | SHOULDER SCREW, SM5.95                         |    |
| 6      | S51179101 | 1   | <-2,-3用><br>ウイトキリバネソウクミ | <For "-2 & -3"><br>THREAD TRIMMER LEVER SET, U |    |
| 6-1    | S50395001 | 1   | ウイトキリバネクミ               | U-THREAD TRIMMER LEVER ASSY                    |    |
| 6-2    | S50398001 | 1   | ハミモトリトメタ                | STOP PLATE                                     |    |
| 6-3    | S50399101 | 1   | ハミモトシタ                  | BACK PLATE                                     |    |
| 6-4    | S50400001 | 2   | モトシタカーク                 | COLLAR                                         |    |
| 6-5    | 062670712 | 2   | ナハコ357-40X7             | SCREW, PAN SM3.57-40X7                         |    |
| 6-6    | S50401001 | 1   | ウイトキリモトシハネ              | SPRING                                         |    |
| 6-7    | S50402001 | 1   | ハネカキタ                   | SPRING HOOK PLATE                              |    |
| 6-8    | 062670512 | 1   | ナハコ357-40X5             | SCREW, PAN SM3.57-40X5                         |    |
| 7      | S54519001 | 1   | <-5用><br>ウイトキリバネソウクミB   | <For "-5"><br>U-THREAD TRIMMER LEVER SET, B    |    |
| 7-1    | S50395001 | 1   | ウイトキリバネクミ               | U-THREAD TRIMMER LEVER ASSY                    |    |
| 7-2    | S54520001 | 1   | ハミモトリトメタB               | STOP PLATE, B                                  |    |
| 7-3    | S54521001 | 1   | ハミモトシタB                 | BACK PLATE, B                                  |    |
| 7-4    | S50400001 | 2   | モトシタカーク                 | COLLAR                                         |    |
| 7-5    | 062670712 | 2   | ナハコ357-40X7             | SCREW, PAN SM3.57-40X7                         |    |
| 7-6    | S50401001 | 1   | ウイトキリモトシハネ              | SPRING                                         |    |
| 7-7    | S50402001 | 1   | ハネカキタ                   | SPRING HOOK PLATE                              |    |
| 7-8    | 062670512 | 1   | ナハコ357-40X5             | SCREW, PAN SM3.57-40X5                         |    |
| 14     | S02563001 | 1   | モトシハネ                   | SPRING                                         |    |
| 15     | S02563001 | 1   | モトシハネ                   | SPRING                                         |    |
| 16     | S51180001 | 1   | ハミトリツケイタクミ              | SETTING PLATE ASSY                             |    |
| 16-1   | S50403001 | 1   | ハミトリツケイタ                | SETTING PLATE                                  |    |
| 16-2   | 159343001 | 1   | ハミサエシク                  | SUPPORT STUD                                   |    |
| 16-3   | 021680202 | 1   | ナツ2シユ4.37               | NUT, 2 SM4.37                                  |    |
| 16-4   | 025680132 | 1   | ヒラサカネシユ4.37             | WASHER, PLAIN S 4.37                           |    |
| 17     | 062680612 | 2   | ナハコ4.37-40X6            | SCREW, PAN SM4.37-40X6                         |    |
| 18     | 025680232 | 2   | ヒラサカネシユ4.37             | WASHER, PLAIN M 4.37                           |    |
| 22     | S50404201 | 1   | ハミクミ                    | UPPER THREAD TRIMMER ASSY                      |    |
| 22-1   | S50405101 | 1   | ハミDクミ                   | THREAD TRIMMER ASSY, D                         |    |
| 22-2   | S50113101 | 1   | ハミM                     | UPPER THREAD TRIMMER, M                        |    |
| 22-3   | 141513001 | 1   | ハミU                     | UPPER THREAD TRIMMER, UPPER                    |    |
| 22-4   | 141514001 | 1   | ハミタネシ                   | SHOULDER SCREW, SM3.18                         |    |
| 22-5   | S52431000 | 1   | ハミストッパ                  | U-THREAD TRIMMER STOPPER                       |    |
| 23     | 100644005 | 1   | シメネシ 4.37               | SCREW, SM4.37                                  |    |
| 24     | S58097001 | 1   | ハミヒラキカムクミ               | OPENING CAM ASSY                               |    |
| 24-1   | S50408001 | 1   | ヒラキカムトリツケイタ             | BRACKET, ;OPENING CAM                          |    |
| 24-2   | S58098001 | 1   | ハミヒラキカム                 | OPENING CAM                                    |    |
| 24-3   | 018300836 | 2   | アホルト3X8                 | BOLT, SOCKET M3X8                              |    |
| 24-4   | S56251001 | 1   | ヒラキカムサカネ                | WASHER, PLAIN                                  |    |
| 24-5   | 028030246 | 2   | ハネサカネ2-3                | WASHER, SPRING 2-3                             |    |
| 24-6   | 021300206 | 2   | 2シユナツ3                  | NUT, 2 M3                                      |    |
| 25     | 107093002 | 2   | シメネシ 4.37               | SCREW, SM4.37                                  |    |
| 26     | 025680232 | 1   | ヒラサカネシユ4.37             | WASHER, PLAIN M 4.37                           |    |
| 27     | 028680242 | 1   | ハネサカネ2-4.37             | WASHER, SPRING 2-4.37                          |    |
| 28     | S50410001 | 2   | イトキリクツウレハ               | DRIVING LEVER, TR                              |    |
| 29     | S50411001 | 1   | クツウレハコ                  | ROLLER, ;D-LEVER                               |    |
| 30     | S50412000 | 1   | タマシクウケ                  | BALL BEARING                                   |    |
| 31     | S50413001 | 2   | クツウレハタネシ                | SHOULDER SCREW                                 |    |
| 32     | 081012070 | 2   | リングP12                  | O RING, P12                                    |    |



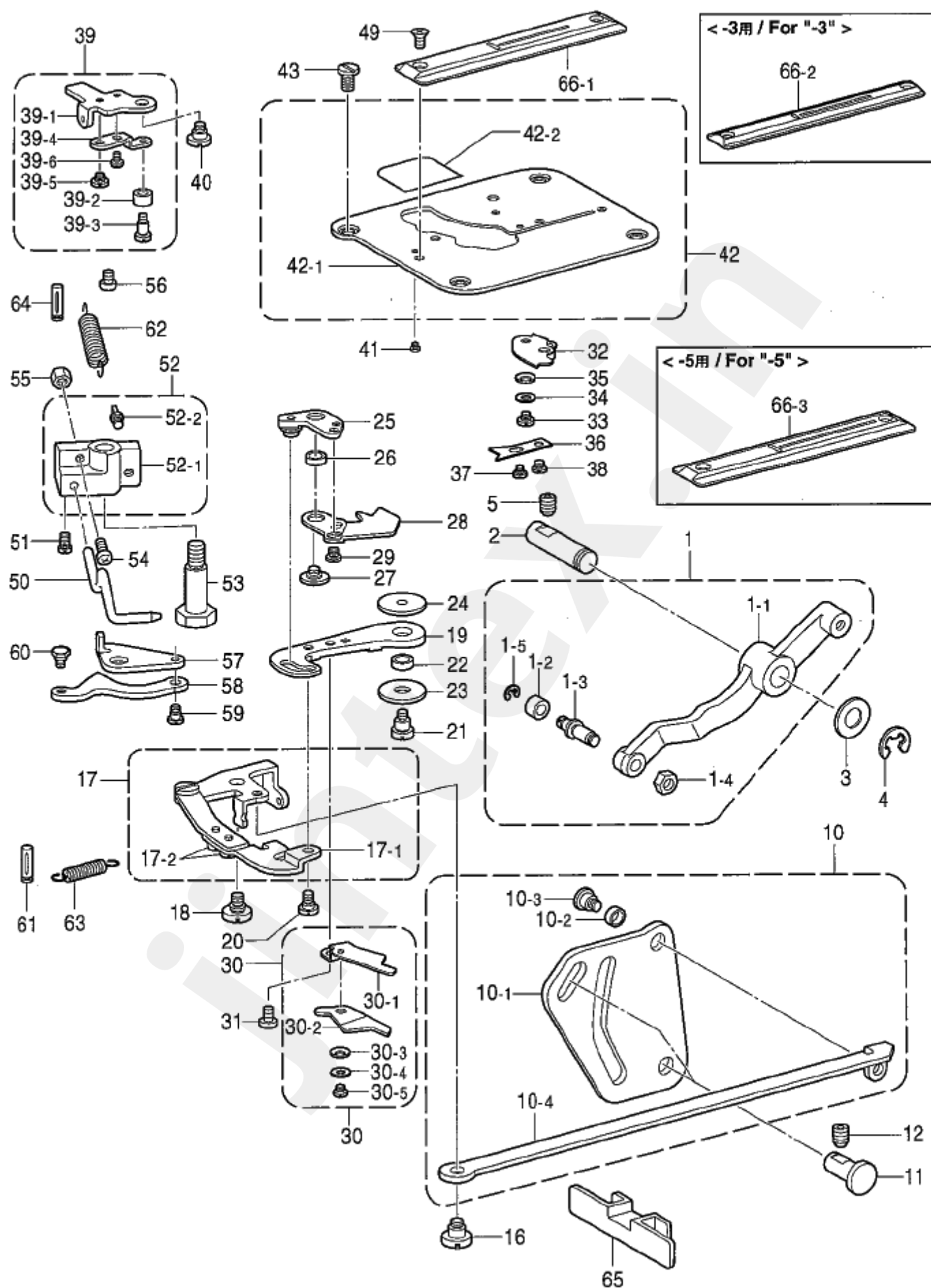
## Q.上糸切り関係 / Upper thread trimmer mechanism

| REF.NO | CODE      | QTY | ヒンメイ                 | NAME OF PARTS                 | RM |
|--------|-----------|-----|----------------------|-------------------------------|----|
| 33     | S50419001 | 1   | セ'ン'コ'サ'ト'ウ'テ'ク'ミ    | LONGITUDINAL FEED ARM ASSY    |    |
| 33-1   | S50414001 | 1   | セ'ン'コ'サ'ト'ウ'テ'       | LONGITUDINAL FEED ARM         |    |
| 33-2   | S50415001 | 1   | セ'ン'コ'ウ'テ'ピ'ン        | PIN, ;L-FEED ARM              |    |
| 33-3   | S50416001 | 1   | セ'ン'コ'ウ'テ'コロ         | ROLLER, ;L-FEED ARM           |    |
| 33-4   | 048040342 | 2   | ト'メ'ワ'E4             | RETAINING RING, E4            |    |
| 33-5   | 014680622 | 1   | ア'サ'ト'メ'ネ'シ'4.37'ホ'ミ | SET SCREW, SOCKET (CP) SM4.37 |    |
| 34     | 018061622 | 1   | ア'サ'ホ'ホ'ト'6X16       | BOLT, SOCKET M6X16            |    |
| 35     | S51181001 | 1   | イ'ト'キ'リ'サ'ト'ウ'テ'ク'ミ  | DRIVING ARM ASSY, TR          |    |
| 35-1   | S50417001 | 1   | イ'ト'キ'リ'サ'ト'ウ'テ'     | DRIVING ARM, TR               |    |
| 35-2   | S50418001 | 1   | ウ'テ'コ'ロ'サ'イ'タ        | SUPPORT PLATE                 |    |
| 35-3   | 018681022 | 1   | ア'サ'ホ'ホ'ト'4.37X10    | BOLT, SOCKET SM4.37X10        |    |
| 35-4   | 025680132 | 1   | ヒ'ラ'サ'カ'ネ'シ'ヨ'4.37   | WASHER, PLAIN S 4.37          |    |
| 35-5   | S50420001 | 1   | ウ'テ'コ'ロ'シ'ク          | ROLLER SHAFT                  |    |
| 35-6   | 028050242 | 1   | ハ'ネ'サ'カ'ネ'2-5        | WASHER, SPRING 2-5            |    |
| 35-7   | 021500312 | 1   | 3'シ'ユ'ナ'グ'ト'5        | NUT, 3 M5                     |    |
| 35-8   | 048060142 | 1   | ト'メ'ワ'シ'ク'ヨ'ウ' C6    | RETAINING RING, C6            |    |
| 35-9   | S50511001 | 1   | サ'ト'ウ'テ'コロ           | ROLLER, ;D-ARM                |    |
| 35-10  | S50512001 | 1   | ハ'サ'ミ'モ'ト'シ'ス'ツ'ハ'   | STOPPER                       |    |
| 35-11  | 018681022 | 1   | ア'サ'ホ'ホ'ト'4.37X10    | BOLT, SOCKET SM4.37X10        |    |
| 35-12  | 025680132 | 1   | ヒ'ラ'サ'カ'ネ'シ'ヨ'4.37   | WASHER, PLAIN S 4.37          |    |
| 36     | 018061622 | 1   | ア'サ'ホ'ホ'ト'6X16       | BOLT, SOCKET M6X16            |    |



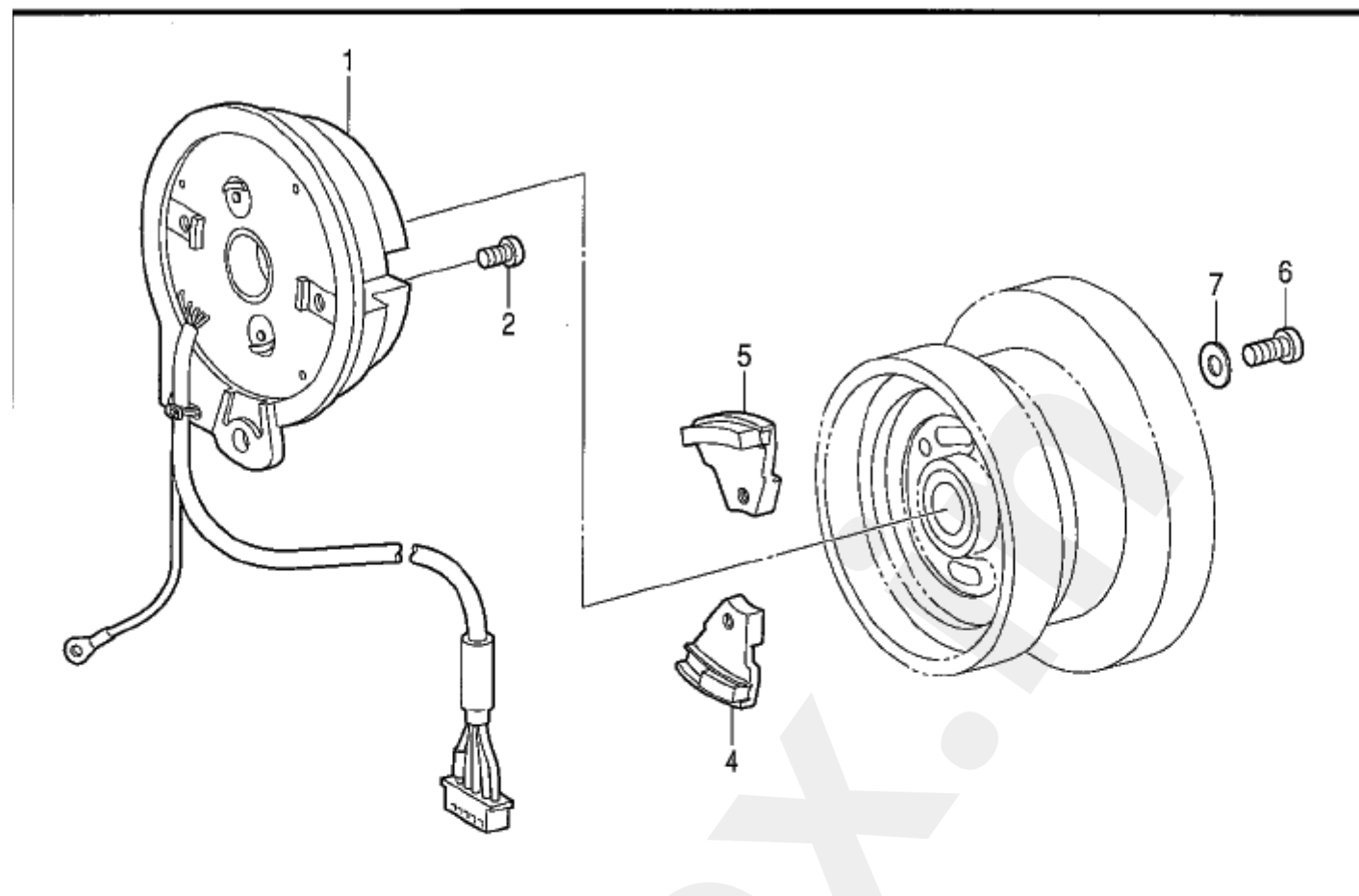
## R.下糸切り関係 / Lower thread trimmer mechanism

| REF.NO | CODE      | Q'TY | ヒンメイ           | NAME OF PARTS                 | RM |
|--------|-----------|------|----------------|-------------------------------|----|
| 1      | S51171001 | 1    | シタイトリカムレバークミ   | CAM LEVER ASSY, ;L-TR         |    |
| 1-1    | S50246001 | 1    | シタイトリカムレバークミ   | CAM LEVER, ;L-TR              |    |
| 1-2    | 107744001 | 1    | コロ             | ROLLER                        |    |
| 1-3    | 141519001 | 1    | ロッドシャフト        | ROLLER SHAFT                  |    |
| 1-4    | 110161004 | 1    | ナット4.76        | NUT, SM4.76                   |    |
| 1-5    | 048030342 | 1    | トメ7E3          | RETAINING RING, E3            |    |
| 2      | 159267001 | 1    | シタイトリカムシフト     | CAM SHAFT, ;L-TR              |    |
| 3      | 110494001 | 1    | ワッシャー          | WASHER, PLAIN 9.5             |    |
| 4      | 048080342 | 1    | トメ7E8          | RETAINING RING, E8            |    |
| 5      | 014760622 | 1    | アタメネジ5.95      | SET SCREW, SOCKET SM5.95      |    |
| 10     | S51170001 | 1    | シタイトリカムシフト     | LOWER THREAD TRIMMER CAM ASSY |    |
| 10-1   | S50247001 | 1    | シタイトリカム        | LOWER THREAD TRIMMER CAM      |    |
| 10-2   | S50411001 | 1    | コロ             | ROLLER, ;D-LEVER              |    |
| 10-3   | 145478101 | 1    | タンネジ4.76       | SHOULDER SCREW, SOCKET SM4.76 |    |
| 10-4   | S50248001 | 1    | シタイトリカムリンク     | CONNECTIN ROD, ;L-TR          |    |
| 11     | 150491101 | 2    | レバークミ          | LEVER SHAFT                   |    |
| 12     | 014760622 | 2    | アタメネジ5.95      | SET SCREW, SOCKET SM5.95      |    |
| 16     | 159269001 | 1    | シタイトリカムタンネジ    | SHOULDER SCREW, SM4.37        |    |
| 17     | S50249001 | 1    | シタイトリカムリンク     | LINK ASSY, ;L-TR              |    |
| 17-1   | S59987001 | 1    | シタイトリカムリンクA    | CONNECTING ROD, A             |    |
| 17-2   | 062680512 | 2    | ナット4.37-40X5   | SCREW, PAN SM4.37-40X5        |    |
| 18     | 149127001 | 1    | タンネジ6.35       | SHOULDER SCREW, SM6.35        |    |
| 19     | S50252001 | 1    | メスサトウレバークミ     | KNIFE DRIVING LEVER           |    |
| 20     | 113730001 | 1    | タンネジ4.37       | SHOULDER SCREW, SM4.37        |    |
| 21     | 159272001 | 1    | メスサトウレバークミ     | SHOULDER SCREW                |    |
| 22     | S00903001 | 1    | メスサトウレバークミ     | COLLAR                        |    |
| 23     | S00901001 | 1    | メスサトウレバークミ     | WASHER, PLAIN L 6.4 (U)       |    |
| 24     | S00902001 | 1    | メスサトウレバークミ     | WASHER, PLAIN L 4.6 (D)       |    |
| 25     | S50253001 | 1    | サハキレバークミ       | LEVER ASSY                    |    |
| 26     | S50257001 | 1    | サハキレバークミ       | COLLAR                        |    |
| 27     | S00712101 | 1    | シメネジ4.37       | SCREW, SM4.37                 |    |
| 28     | S50258001 | 1    | シタイトリカム        | LOWER THREAD RETAINER         |    |
| 29     | 110215002 | 2    | シメネジ3.57       | SCREW SM3.57                  |    |
| 30     | S50259101 | 1    | シタコティハズクミ      | FIXED KNIFE SET               |    |
| 30-1   | S50260101 | 1    | シタコティハズクミ      | FIXED KNIFE ASSY              |    |
| 30-2   | S50263001 | 1    | シタイトウハ         | MOVABLE KNIFE                 |    |
| 30-3   | S50264000 | 1    | ワッシャー4302      | WASHER                        |    |
| 30-4   | 025040132 | 1    | ワッシャーネジ        | WASHER, PLAIN S 4             |    |
| 30-5   | 060630312 | 1    | バインド238-56X3   | SCREW, BIND SM2.38X3          |    |
| 31     | 060670412 | 2    | バインド357-40X4   | SCREW, BIND SM3.57-40X4       |    |
| 32     | S50265001 | 1    | シタイトツカミタキ      | LOWER THREAD CLAMP PLATE ASSY |    |
| 33     | 141514001 | 1    | ハサミタンネジ        | SHOULDER SCREW, SM3.18        |    |
| 34     | 025040132 | 1    | ワッシャーネジ        | WASHER, PLAIN S 4             |    |
| 35     | S50269000 | 1    | ワッシャー5011      | WASHER                        |    |
| 36     | S50270000 | 1    | シタイトサエ         | LOWER THREAD PRESSER          |    |
| 37     | 145371001 | 1    | タンネジ2.38       | SHOULDER SCREW, SM2.38        |    |
| 38     | 110215002 | 1    | シメネジ3.57       | SCREW SM3.57                  |    |
| 39     | S52432001 | 1    | シタイトツカミハサミタキ   | OPENING PLATE ASSY            |    |
| 39-1   | S52433001 | 1    | シタイトツカミハサミタキA  | OPENING PLATE, A              |    |
| 39-2   | 110167001 | 1    | コロ             | ROLLER                        |    |
| 39-3   | 110168001 | 1    | コロシフト          | ROLLER SHAFT                  |    |
| 39-4   | S52434001 | 1    | シタイトツカミハサミタキB  | OPENING PLATE, B              |    |
| 39-5   | 141514001 | 1    | ハサミタンネジ        | SHOULDER SCREW, SM3.18        |    |
| 39-6   | 123185001 | 1    | マルヒラネジ3.57X4.5 | SCREW 3.57X4.5                |    |
| 40     | 149127001 | 1    | タンネジ6.35       | SHOULDER SCREW, SM6.35        |    |
| 41     | 105970001 | 1    | シメネジ2.38       | SCREW, SM2.38                 |    |
| 42     | S52778001 | 1    | ハサミタキ          | BASE PLATE ASSY               |    |
| 42-1   | S50303001 | 1    | ハサミタキ          | BASE PLATE                    |    |
| 42-2   | S52770000 | 1    | ハサミタキ          | COVER, ;B-PLATE               |    |
| 43     | 106629002 | 4    | シメネジ4.37       | SCREW, SM4.37                 |    |
| 49     | S01696001 | 2    | サラネジ3.57X6     | SCREW, FLAT SM3.57X6          |    |



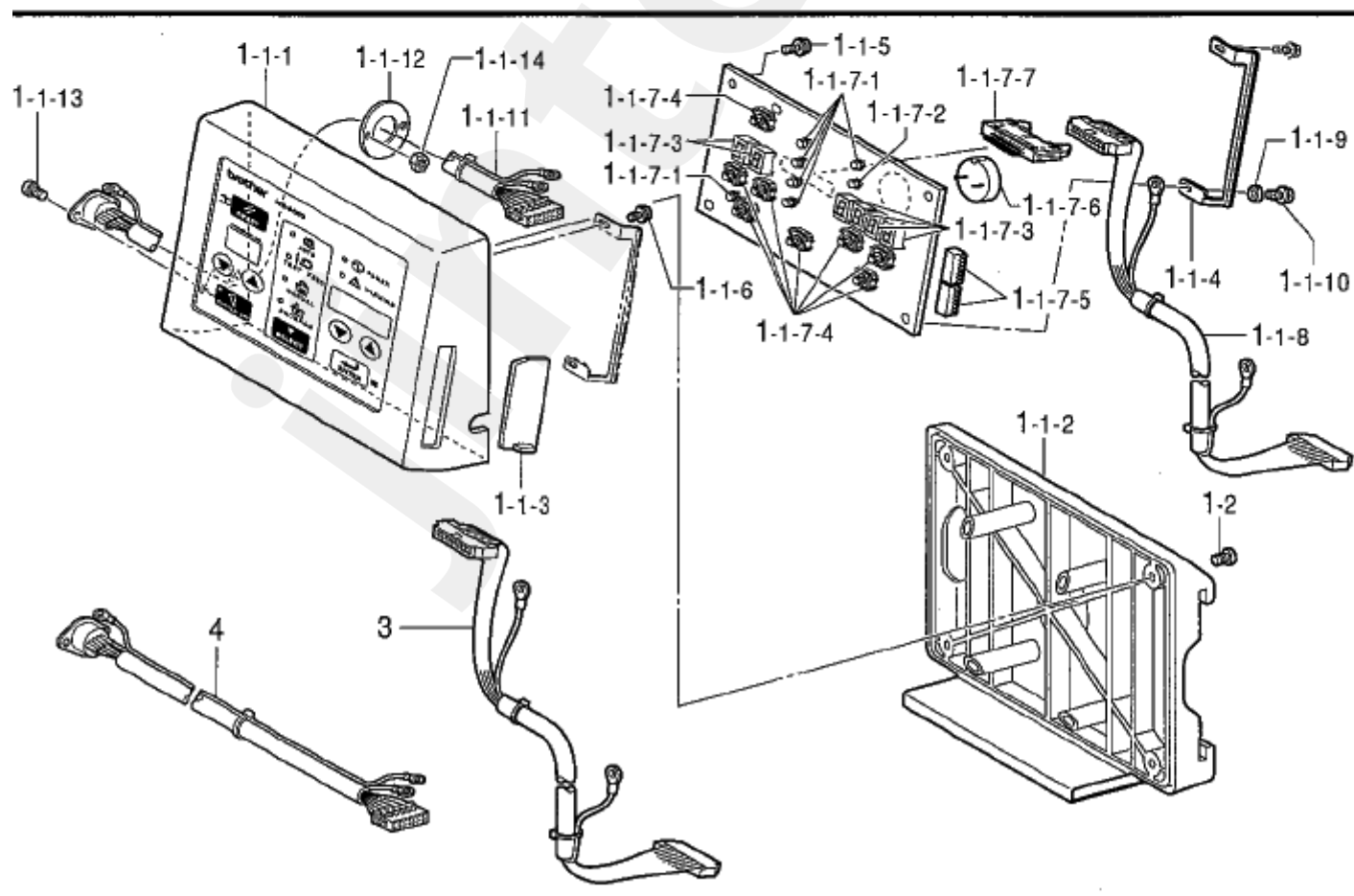
## R.下糸切り関係 / Lower thread trimmer mechanism

| REF.NO | CODE      | QTY | ヒンメイ               | NAME OF PARTS                      | RM |
|--------|-----------|-----|--------------------|------------------------------------|----|
| 50     | S50323000 | 1   | ボビンオサエ             | BOBBIN PRESSER                     |    |
| 51     | S01998001 | 1   | アタマツキトメネジ 3.57     | SET SCREW, SM3.57-40X6             |    |
| 52     | S51172001 | 1   | ボビンオサエタイ           | BOBBIN PRESSER BRACKET ASSY        |    |
| 52-1   | S50324001 | 1   | ボビンオサエ             | BOBBIN PRESSER BRACKET             |    |
| 52-2   | 107639001 | 1   | ハネカ                | SPRING HOOK, U                     |    |
| 53     | 159924001 | 1   | ストッパレハタネジ          | SHOULDER SCREW                     |    |
| 54     | 062671612 | 1   | ハコ357-40X16        | SCREW, PAN SM3.57-40X16            |    |
| 55     | 021670202 | 1   | ナット2 3.57          | NUT, 2 SM3.57                      |    |
| 56     | 062680512 | 2   | ハコ437-40X5         | SCREW, PAN SM4.37-40X5             |    |
| 57     | S50325001 | 1   | カヘヒラキオサエ           | AUXILIARY PLATE                    |    |
| 58     | S50326001 | 1   | ボビンオサエ             | OPENING PLATE                      |    |
| 59     | 105237002 | 1   | タネジ 3.57           | SHOULDER SCREW, SM3.57             |    |
| 60     | 159113001 | 1   | タネジ 3.18           | SHOULDER SCREW, SM3.18             |    |
| 61     | 159379001 | 1   | ミソツキ 6X18          | PIN, DOWEL BX6X18                  |    |
| 62     | S50327001 | 2   | ボビンオサエ             | SPRING, EXTENSION                  |    |
| 63     | S50328001 | 1   | シイトカミヒラキ           | SPRING, PLATE                      |    |
| 64     | 159379001 | 1   | ミソツキ 6X18          | PIN, DOWEL BX6X18                  |    |
| 65     | S50329000 | 1   | シイトキレン             | COVER                              |    |
| 66-1   | S50664001 | 1   | <-2用><br>ハイト1.4S   | <For "-2"><br>NEEDLE PLATE, 1.4S   |    |
| 66-2   | S51248101 | 1   | <-3用><br>ハイト1.2S-3 | <For "-3"><br>NEEDLE PLATE, 1.2S-3 |    |
| 66-3   | S54522001 | 1   | <-5用><br>ハイト1.4-50 | <For "-5"><br>NEEDLE PLATE, 1.4-50 |    |



118-H80-501

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



118-H80-530

## S.針位置検出器関係 / Synchronizer

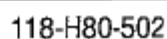
| REF.NO | CODE      | QTY | 品名            | NAME OF PARTS           | RM |
|--------|-----------|-----|---------------|-------------------------|----|
| 1      | S50657001 | 1   | シンクロイサ`クミH80  | SYNCHRONIZER ASSY, H80  |    |
| 2      | 062400806 | 2   | ナ`コ4X8        | SCREW, PAN M4X8         |    |
| 4      | S50354000 | 1   | シ`シヤクミU       | MAGNET ASSY, U          |    |
| 5      | S38082001 | 1   | ハリウエシ`シヤクミ    | MAGNET ASSY, U          |    |
| 6      | 062681412 | 2   | ナ`コ437-40X14  | SCREW, PAN SM4.37-40X14 |    |
| 7      | 025680132 | 2   | ワサ`ガ`ネシヨウ4.37 | WASHER, PLAIN S 4.37    |    |

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## T.操作パネル関係 / Operation panel mechanism

| REF.NO  | CODE      | QTY | 品名              | NAME OF PARTS                | RM |
|---------|-----------|-----|-----------------|------------------------------|----|
| 1       | S50656201 | 1   | ソウサハ`ネルソクミ      | OPERATION PANEL SET          |    |
| 1-1     | S50451201 | 1   | ソウサハ`ネルクミ       | OPERATION PANEL ASSY         |    |
| 1-1-1   | S51901201 | 1   | マフレームクミ         | FRONT FRAME ASSY             |    |
| 1-1-2   | S49492000 | 1   | ソウサハ`ネルウシロフレーム  | REAR FRAME                   |    |
| 1-1-3   | S49495000 | 1   | ハ`ネルヨコカハ`       | PANEL SIDE COVER             |    |
| 1-1-4   | S49496001 | 1   | ハ`ネルヨコカハ`-ガイト`  | COVR GUIDE, ;SIDE            |    |
| 1-1-5   | 087310815 | 2   | カフ`Bタイ3X8       | TAPTITE, CUP B M3X8          |    |
| 1-1-6   | 0A4400805 | 1   | ナ`サ`クミ4X8DA     | SCREW, PAN (S/P WASHER) M4X8 |    |
| 1-1-7   | S50453000 | 1   | ハ`ネルキハ`ンクミ      | PANEL PCB ASSY               |    |
| 1-1-7-1 | S46703000 | 6   | LEDPG5307S      | LED, PG5307S                 |    |
| 1-1-7-2 | S50455000 | 1   | LEDBR5307S      | LED, BR5307S                 |    |
| 1-1-7-3 | S29023000 | 6   | LEDGL9P040      | LED, GL9P040                 |    |
| 1-1-7-4 | S48579000 | 8   | SWB3F-4050      | SWITCH, B3F-4050             |    |
| 1-1-7-5 | U34870001 | 2   | DIPSW KSP08     | DIP SWITCH:KSP08             |    |
| 1-1-7-6 | S30280000 | 1   | ブ`サ`-PKB24SPC36 | BUZZER, PKB24SPC36           |    |
| 1-1-7-7 | S50456000 | 1   | コネクタXG4A-2031   | CONNECTOR, ;XG4A-2031        |    |
| 1-1-8   | S50457000 | 1   | ハ`ネルケ-フ`ルクミ     | PANEL CABLE ASSY             |    |
| 1-1-9   | XA2220050 | 2   | キハ`ンオサエ         | BOARD PRESSER                |    |
| 1-1-10  | 087311015 | 2   | カフ`Bタイ3X10      | TAPTITE, CUP B M3X10         |    |
| 1-1-11  | S58974000 | 1   | PRG/Mハ-ネスクミ     | PRG/M HARNESS ASSY           |    |
| 1-1-12  | S58987001 | 1   | ハ-ネストリツケイタ      | HARNESS SETTING PLATE        |    |
| 1-1-13  | 002301003 | 2   | ナ`コネシ`3X10      | SCREW, PAN M3X10             |    |
| 1-1-14  | 021300206 | 1   | 2シユナツト3         | NUT, 2 M3                    |    |
| 1-2     | 062300806 | 4   | ナ`コ3X8          | SCREW, PAN M3X8              |    |
| 3       | S53181000 | 1   | ハ`ネルケ-フ`ルL      | PANEL CABLE ASSY, L          |    |
| 4       | S58984000 | 1   | PRG/Mハ-ネスL      | PRG/M HARNESS ASSY, L        |    |

118-H80-530



## U1.コントロールボックス関係 / Control box mechanism

| REF.NO    | CODE      | QTY | ヒンメイ            | NAME OF PARTS                 | RM |
|-----------|-----------|-----|-----------------|-------------------------------|----|
| 1         | S50421001 | 1   | ホヅクミ            | BOX ASSY                      |    |
| 1-1       | S50566001 | 1   | デンゲンホヅクス        | POWER SUPPLY BOX              |    |
| 1-2       | S50567001 | 1   | メイン基板ノリツケイタ     | SETTING PLATE, ;M-PCB         |    |
| 1-3       | S50568001 | 1   | サブ基板ノリツケイタ      | SETTING PLATE, ;AUX-PCB       |    |
| 1-4       | S50660000 | 2   | DCファンモータミ       | FAN MOTOR ASSY, DC            |    |
| 1-5       | 0A5403005 | 6   | ナハサクミ4X30DB     | SCREW, PAN (S/P WASHER) M4X30 |    |
| 1-6       | S47723201 | 1   | トランスミ           | TRANSFORMER ASSY              |    |
| 1-6-1     | S47749101 | 2   | EZトランスプレート      | SETTING PLATE, ;TRANSFORMER   |    |
| 1-7       | 025050236 | 4   | ヒラサカネチユウ5       | WASHER, PLAIN M 5             |    |
| 1-8       | 028050246 | 4   | ハネサカネ2-5        | WASHER, SPRING 2-5            |    |
| 1-9       | 018501236 | 4   | アホネ5X12         | BOLT, SOCKET M5X12            |    |
| 1-10      | S43186000 | 1   | ブッシュBU687B      | BUSH, BU687B                  |    |
| 1-11      | S09142000 | 2   | コードクランプ20L      | CORD CLAMP, 20-L              |    |
| 1-12      | S43275000 | 14  | コードクランプWS2NS    | CORD CLAMP, WS2NS             |    |
| 1-13      | S43276000 | 1   | コードクランプWS3NS    | CORD CLAMP, WS3NS             |    |
| 1-14      | S50422000 | 3   | コードクランプWS2WS    | CORD CLAMP, W2SWS             |    |
| 1-15      | S43318000 | 10  | クランプLW8S2.5W    | CLAMP, LWS8S 2.5W             |    |
| 1-16      | S51118001 | 1   | コードブッシュ         | CORD BUSH                     |    |
| 1-17      | S38820000 | 1   | ブッシュ35          | BUSHING, 35                   |    |
| 1-18      | S50423000 | 1   | ブッシュTB-1926     | BUSHING, TB-1926              |    |
| 1-19      | S42227009 | 1   | ゴムメットMG-3       | RUBBER CAP, MG-3              |    |
| 1-20      | S50424000 | 1   | ホウシニアミ          | FRAGMENT PROTECTOR NET        |    |
| 1-21      | 008400604 | 12  | ナハス34X6         | SCREW, TRUSS M4X6             |    |
| 1-22      | S00554000 | 23  | サポート6NS         | SUPPORT, 6NS                  |    |
| 1-23      | S47721001 | 1   | デンゲンEZ基板ノミ      | POWER SUPPLY PCB ACCY, EZ     |    |
| 1-23-1-1  | J02443001 | 1   | IPMPM20CSJ060   | I-POWER MODULE, ;PM20CSJ060   |    |
| 1-23-1-2  | J03284001 | 1   | FETFS5UM-18A    | TRANSISTOR, FET :FS5UM-18R    |    |
| 1-23-1-3  | J03285001 | 1   | FETFS3KM-18A    | TRANSISTOR, FET :FS3KM-18A    |    |
| 1-23-1-4  | S47720000 | 1   | SID20L6P45クミ    | DIODE ASSY, BR :20L6P45       |    |
| 1-23-1-5  | J03324001 | 3   | デンC450B471      | CAPACITOR, ALUM-ELEV :450B471 |    |
| 1-23-1-6  | S47735000 | 1   | トランス28AG1L9AD   | TRANSFORMER, 28AG1L9AD        |    |
| 1-23-1-7  | J02441001 | 1   | リレーG2R-1A6V     | RELAY, G2R-1A6V               |    |
| 1-23-1-8  | S38201000 | 4   | バリスタV14D471     | VARIATOR :V14D471             |    |
| 1-23-1-9  | J03283001 | 1   | サージソバDSA362M    | SURGE ABSORBER, :DSA362M      |    |
| 1-23-1-10 | S47733000 | 1   | コイルNF10TP102    | COIL, :NF10TP102              |    |
| 1-23-1-11 | 218469001 | 2   | カンヒューズ15A#2     | FUSE                          |    |
| 1-23-1-12 | J01684001 | 4   | ヒューズホルダF062     | FUSE HOLDER, F062             |    |
| 1-23-1-13 | J02727001 | 2   | カンヒューズ2A250V    | GLASS FUSE, 2A/250V           |    |
| 1-23-1-14 | S47734000 | 3   | コネクタB4P5-VB-2   | CONNECTOR, B4P5-VB-2          |    |
| 1-23-1-15 | J02449001 | 1   | コネクタ5281-02A    | CONNECTOR, 5281-02A           |    |
| 1-23-1-16 | S47730000 | 1   | IPMコードP         | IPM CORD, P                   |    |
| 1-23-1-17 | S47728000 | 1   | DC300VハーネスP     | HARNESS, P DC 300V            |    |
| 1-23-1-18 | S47727000 | 1   | モーターハーネスP       | MOTOR HARNESS, P              |    |
| 1-23-1-19 | S47725000 | 1   | デンゲンハーネスP       | POWER SUPPLY HARNESS, P       |    |
| 1-23-1-20 | S47726000 | 1   | デンゲンアースセンP      | GROUND WIRE, P                |    |
| 1-23-1-21 | J03296001 | 1   | フィンPR1616-25-PB | HEATSINK, ;PR1616-25-PB       |    |
| 1-23-1-22 | S47729000 | 1   | フィンOSH-1025-MP  | HEATSINK, ;OSH-1025-MP        |    |
| 1-23-1-23 | 221419001 | 2   | ナハセツト3X10DB     | SCREW                         |    |
| 1-23-1-24 | J03291001 | 1   | コアESD-R-25B     | CORE, ESD-R-25B               |    |

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RM欄に\*が付いている部品をご注文頂きますと、基板等必要な部品が一式入ったセットになっております。  
When ordering parts which have an asterisk(\*) in the RM column, these parts will be supplied as a set together with other necessary parts such as circuit boards.

## U1.コントロールボックス関係 / Control box mechanism

| REF.NO  | CODE      | Q'TY | ヒンメイ                                                 | NAME OF PARTS                                                    | RM |
|---------|-----------|------|------------------------------------------------------|------------------------------------------------------------------|----|
| 1-23-3  | S47694000 | 1    | MR-A40101Jクミ                                         | F-RESISTOR ASSY, MR-A40J101                                      |    |
| 1-23-4  | 0A5400805 | 1    | ナハサクミ4X8DB                                           | SCREW, PAN (S/P WASHER) M4X8                                     |    |
| 1-23-5  | S47693000 | 2    | スハサ4EP-12                                            | SPACER, 4EP-12                                                   |    |
| 1-23-6  | S47724000 | 5    | スハサ7NS                                               | SPACER, 7NS                                                      |    |
| 1-23-7  | 229017001 | 4    | ナハセツト4X10DA                                          | SCREW, PAN (S/P WASHER) M4X10                                    |    |
| 1-23-8  | J02343001 | 2    | ナハサクミ4X16DB                                          | SCREW, PAN (S/P WASHER) M4X16                                    |    |
| 1-23-9  | S39819000 | 1    | コトクランフ1259                                           | CORD CLAMP, 1259                                                 |    |
| 1-23-10 | S40621000 | 1    | EMIコアESD-SR-15                                       | EMI CORE, ESD-SR-15                                              |    |
| 1-24    | S50425001 | 1    | テングンEHキハクミ                                           | POWER SUPPLY PCB ASSY, EH                                        |    |
| 1-24-1  | S38200000 | 2    | MOSFET2SK1938                                        | TRANSISTOR, :2SK1938                                             |    |
| 1-24-2  | 232384001 | 1    | S77ソハ DSA362MA                                       | SURGE ABSORBER :DSA362MA                                         |    |
| 1-24-3  | S38201000 | 2    | ハリスタV14D471                                          | VARISTOR :V14D471                                                |    |
| 1-24-4  | S08030000 | 1    | GL1-ス5AFB                                            | FUSE, 5A :FB                                                     |    |
| 1-24-5  | 153242000 | 2    | ヒュス6A                                                | FUSE, 6A                                                         |    |
| 1-25    | S50431001 | 1    | サブキハクミ                                               | SUB PCB ASSY                                                     |    |
| 1-25-1  | S38155000 | 5    | MOSFET2SK1306                                        | TRANSISTOR, FET :2SK1306                                         |    |
| 1-25-2  | S50645000 | 1    | MOSFET2SK1307                                        | TRANSISTOR, FET :2SK1307                                         |    |
| 1-25-3  | Y44715591 | 1    | テングンC50B471                                          | CAPACITOR, ALUM-ELEC :50B471                                     |    |
| 1-26    | 018401236 | 5    | アハルト4X12                                             | BOLT, SOCKET M4X12                                               |    |
| 1-27    | S50437000 | 1    | PERコト                                                | CORD, PER                                                        |    |
| 1-28    | S50438000 | 1    | EX32ハネス                                              | HARNESS, EX32                                                    |    |
| 1-29    | S50439000 | 1    | EX26ハネス                                              | HARNESS, EX26                                                    |    |
| 1-30    | S50440000 | 1    | テングンACハネス                                            | POWER SUPPLY HARNESS, AC                                         |    |
| 1-31    | S50441000 | 1    | テングンDCハネス                                            | POWER SUPPLY HARNESS, DC                                         |    |
| 1-32    | S37059001 | 1    | PEマーク                                                | LABEL, PE                                                        |    |
| 1-33    | S37060001 | 2    | アースマーク                                               | LABEL, GROUNDING                                                 |    |
| 1-34    | 0A5401006 | 2    | ナハコハネヒラ4X10                                          | SCREW, PAN (S/P WASHER) M4X10                                    |    |
| 1-35    | S50484000 | 1    | アースコト                                                | GROUND WIRE                                                      |    |
| 1-36    | 0A5401006 | 1    | ナハコハネヒラ4X10                                          | SCREW, PAN (S/P WASHER) M4X10                                    |    |
| 1-37    | 0A5401006 | 1    | ナハコハネヒラ4X10                                          | SCREW, PAN (S/P WASHER) M4X10                                    |    |
| 1-38    | S50644001 | 1    | アースコト                                                | GROUND WIRE                                                      |    |
| 3       | S50488100 | 1    | PR0MB800Eクミ                                          | BOX SET, A2H                                                     |    |
| 4       | S20345001 | 2    | <220V, 220V, 230V用><br>ゴムセン14                        | <For "200V,220V & 230V AC"><br>RUBBER CAP, 14                    |    |
| 5       | S43186000 | 2    | <100V, 110V, 240<br>380V, 400V, 415V用><br>ブッシュBU687B | <For "100V,110V & 240V,<br>380V,400V & 415V AC"><br>BUSH, BU687B |    |
| 6       | S38352101 | 2    | テングンキラヘル, 4カコク                                       | LABEL, ELEC. SHOCK 4 LANG.                                       |    |
| 7       | S38353101 | 2    | テングンキラヘル, フ                                          | LABEL, ELEC. SHOCK JPN.                                          |    |
| 8       | S10820000 | 1    | テングンアツヘル                                             | LABEL, 100V AC                                                   |    |
| 9       | S10820001 | 1    | テングンアツヘル                                             | LABEL, 200V AC                                                   |    |
| 10      | S10820002 | 1    | テングンアツヘル                                             | LABEL, 110V AC                                                   |    |
| 11      | S10820003 | 1    | テングンアツヘル                                             | LABEL, 220V AC                                                   |    |
| 12      | S10820004 | 1    | テングンアツヘル                                             | LABEL, 230V AC                                                   |    |
| 13      | S10820005 | 1    | テングンアツヘル                                             | LABEL, 240V AC                                                   |    |
| 14      | S10820006 | 1    | テングンアツヘル                                             | LABEL, 380V AC                                                   |    |
| 15      | S10820007 | 1    | テングンアツヘル                                             | LABEL, 415V AC                                                   |    |
| 16      | S10820008 | 1    | テングンアツヘル                                             | LABEL, 400V AC                                                   |    |
| 31      | S38146000 | 1    | コネクタ3191-04R                                         | CONNECTOR, 3191-04R                                              |    |
| 32      | 228475000 | 1    | ケツソクバンド1.9X80                                        | FASTENING BAND, 1.9X80                                           |    |

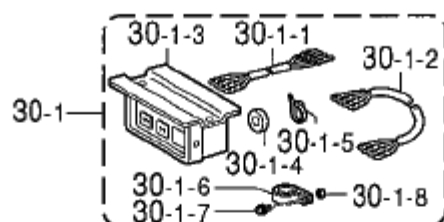
## U1.コントロールボックス関係 / Control box mechanism

| REF.NO  | CODE      | Q'TY | ヒンメイ                                   | NAME OF PARTS                                      | RM |
|---------|-----------|------|----------------------------------------|----------------------------------------------------|----|
| 52      | S50483100 | 2    | <100V, 110V, 240<br>380V, 400V, 415V用> | <For "100V, 110V & 240V,<br>380V, 400V & 415V AC"> |    |
| 53      | S38146000 | 2    | B-OUTハンカハーネス<br>コネクタ3191-04R           | CONVERSION HARNESS, B-OUT<br>CONNECTOR, 3191-04R   |    |
| 101     | 0A5501005 | 3    | ナハサクミ5X10DB                            | SCREW, PAN (S/P WASHER) M5X10                      |    |
| 102     | J80814001 | 1    | TREADLE UNIT EZ                        | TREADLE UNIT, EZ                                   |    |
| 102-1   | J03419001 | 1    | フミコミハースクミEZ-ユ                          | TREADLE BASE ASSY, EZ-EXPORT                       |    |
| 102-1-1 | J01935001 | 1    | ネジリハネ28.8X30                           | SPRING, TWIST 28.8X30                              |    |
| 102-1-2 | J00649001 | 1    | ヒキハネ12.6X86                            | SPRING, EXTENSION 12.6X86                          |    |
| 102-2   | J80813001 | 1    | PS CIRCUIT EZ                          | PS PCB, EZ                                         |    |
| 102-3   | J02130001 | 3    | ワケ703X4.3X8                            | WASHER, WAVE 03X4.3X8                              |    |
| 102-4   | 037401015 | 3    | Vナハタツピン4X10                            | TAPPING SCREW, PAN V M4X10                         |    |
| 103     | J03417001 | 1    | アースコトクミ                                | GROUND WIRE ASSY                                   |    |
| 104     | 229017001 | 1    | ナハセツ4X10DA                             | SCREW, PAN (S/P WASHER) M4X10                      |    |
|         |           |      | " 補給用部品 "                              | "For Supply parts"                                 |    |
|         |           |      | <三相200V国内用>                            | <For Japan only>                                   |    |
| H-1     | S50501201 | 1    | ホツクミA1V                                |                                                    | *  |
|         |           |      | <三相220V輸出用>                            | <For "3-Phase 220V AC">                            |    |
| H-2     | S50502201 | 1    | ホツクミA2V                                | BOX SET, A2V                                       | *  |
|         |           |      | <単相220V輸出用>                            | <For "1-Phase 220V AC">                            |    |
| H-3     | S50503201 | 1    | ホツクミA3V                                | BOX SET, A3V                                       | *  |
|         |           |      | <単相100V国内用>                            | <For Japan only>                                   |    |
| H-4     | S50504301 | 1    | ホツクミB1V                                |                                                    | *  |
|         |           |      | <単相110V輸出用>                            | <For "1-Phase 110V AC">                            |    |
| H-5     | S50505301 | 1    | ホツクミB2V                                | BOX SET, B2V                                       | *  |
|         |           |      | <三相415V輸出用>                            | <For "3-Phase 415V AC">                            |    |
| H-6     | S50506301 | 1    | ホツクミC1V                                | BOX SET, C1V                                       | *  |
|         |           |      | <三相380V輸出用>                            | <For "3-Phase 380V AC">                            |    |
| H-7     | S50507301 | 1    | ホツクミC2V                                | BOX SET, C2V                                       | *  |
|         |           |      | <単相240V輸出用>                            | <For "1-Phase 240V AC">                            |    |
| H-8     | S50508301 | 1    | ホツクミC3V                                | BOX SET, C3V                                       | *  |
|         |           |      | <三相400V輸出用>                            | <For "3-Phase 400V AC">                            |    |
| H-9     | S50509301 | 1    | ホツクミEV                                 | BOX SET, EV                                        | *  |
|         |           |      | <単相230V輸出用>                            | <For "1-Phase 230V AC">                            |    |
| H-10    | S50510201 | 1    | ホツクミFV                                 | BOX SET, FV                                        | *  |

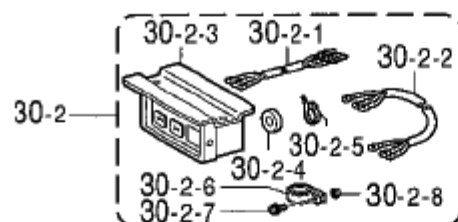
118-H80-502

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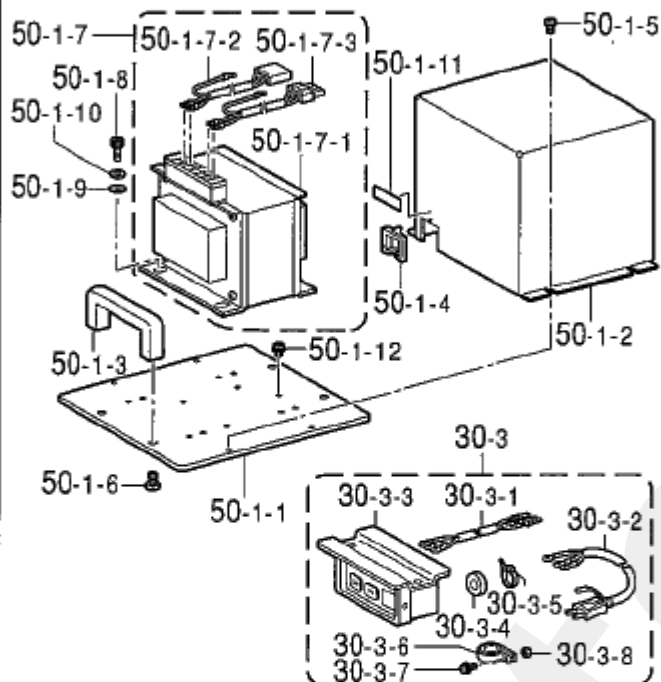
< 三相200V,220V用 / For "3-Phase 200V & 220V AC" >



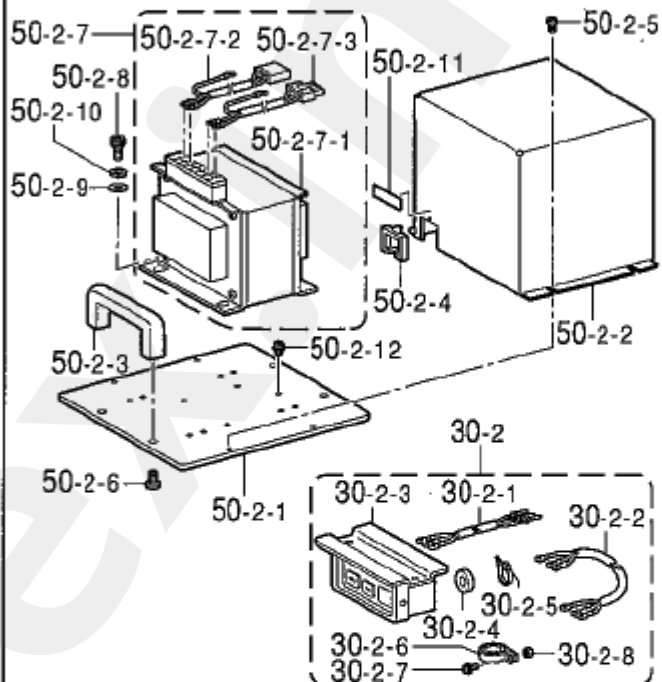
< 単相220V用 / For "1-Phase 220V AC" >



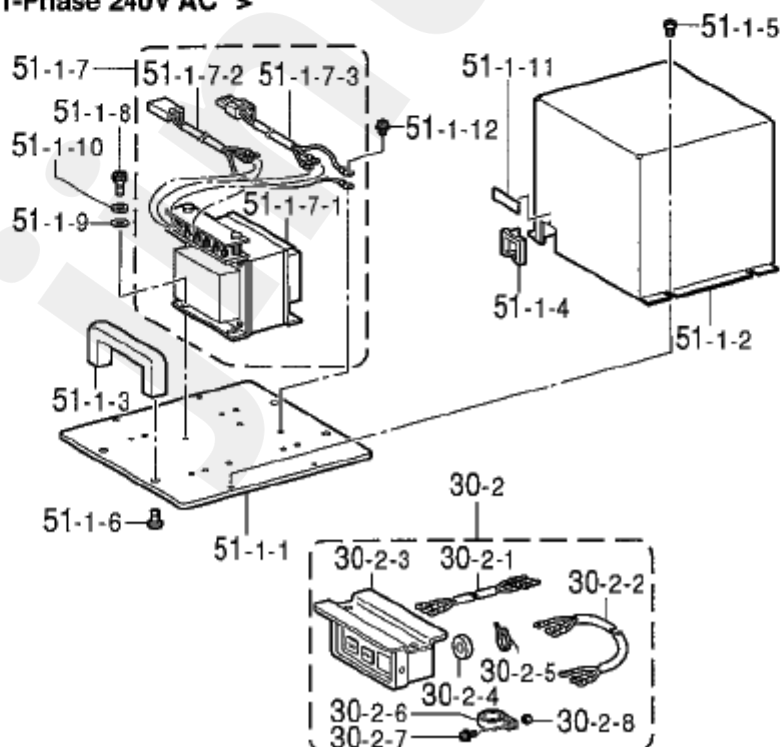
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< 単相110V用 / For "1-Phase 110V AC" >



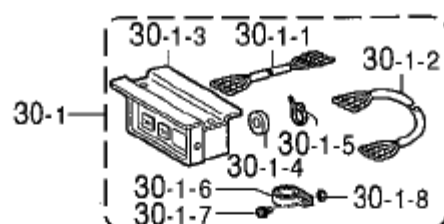
< 単相240V / For "1-Phase 240V AC" >



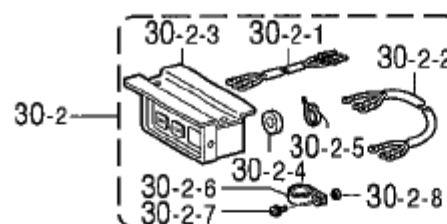
## U2.コントロールボックス関係 / Control box mechanism

| REF.NO   | CODE      | Q'TY | ヒンメイ                  | NAME OF PARTS                        | RM |
|----------|-----------|------|-----------------------|--------------------------------------|----|
|          |           |      | <三相200V, 220V用>       | <For "3-Phase 200V & 220V AC">       |    |
| 30-1     | S50442001 | 1    | デンゲンSW#A              | POWER SUPPLY SWITCH ASSY, A          |    |
| 30-1-1   | S50443000 | 1    | デンゲンコード A1            | POWER SUPPLY CORD, A1                |    |
| 30-1-2   | S38133000 | 1    | デンゲンコード               | POWER SUPPLY HARNESS                 |    |
| 30-1-3   | J02657001 | 1    | 3P押しSW#17             | PUSH SWITCH, 3P #17                  |    |
| 30-1-4   | 224514001 | 2    | セツインタ                 | INSULATION PLATE                     |    |
| 30-1-5   | 218859001 | 3    | バインダ M150             | BINDER, M150                         |    |
| 30-1-6   | S40623000 | 1    | EMIコアTR-40-27         | EMI CORE, TR-40-27                   |    |
| 30-1-7   | 0A4401205 | 1    | ナハサク M4X12A           | SCREW, PAN (S/P WASHER) M4X12        |    |
| 30-1-8   | 021040105 | 1    | ナット M4                | NUT, M4                              |    |
|          |           |      | <単相110V, 220V, 240V用> | <For "1-Phase 110V, 220V & 240V AC"> |    |
| 30-2     | S50444001 | 1    | デンゲンSW#B              | POWER SUPPLY SWITCH ASSY, B          |    |
| 30-2-1   | S50445000 | 1    | デンゲンコード B             | POWER SUPPLY CORD, B                 |    |
| 30-2-2   | S47595000 | 1    | デンゲンコードコシユツ           | POWER SUPPLY HARNESS, EXP.           |    |
| 30-2-3   | J02657001 | 1    | 3P押しSW#17             | PUSH SWITCH, 3P #17                  |    |
| 30-2-4   | 224514001 | 2    | セツインタ                 | INSULATION PLATE                     |    |
| 30-2-5   | 218859001 | 3    | バインダ M150             | BINDER, M150                         |    |
| 30-2-6   | S40623000 | 1    | EMIコアTR-40-27         | EMI CORE, TR-40-27                   |    |
| 30-2-7   | 0A4401205 | 1    | ナハサク M4X12A           | SCREW, PAN (S/P WASHER) M4X12        |    |
| 30-2-8   | 021040105 | 1    | ナット M4                | NUT, M4                              |    |
|          |           |      | <単相100V用>             | <For Japan only>                     |    |
| 30-3     | S50446001 | 1    | デンゲンSW#C              |                                      |    |
| 30-3-1   | S50445000 | 1    | デンゲンコード B             |                                      |    |
| 30-3-2   | S38118000 | 1    | デンゲンコードコナイ            |                                      |    |
| 30-3-3   | J02657001 | 1    | 3P押しSW#17             |                                      |    |
| 30-3-4   | 224514001 | 2    | セツインタ                 |                                      |    |
| 30-3-5   | 218859001 | 3    | バインダ M150             |                                      |    |
| 30-3-6   | S40623000 | 1    | EMIコアTR-40-27         |                                      |    |
| 30-3-7   | 0A4401205 | 1    | ナハサク M4X12A           |                                      |    |
| 30-3-8   | 021040105 | 1    | ナット M4                |                                      |    |
|          |           |      | <単相100V用>             | <For Japan only>                     |    |
| 50-1     | S50632101 | 1    | ハンカトランスB100クミ         |                                      |    |
| 50-1-1   | S54027001 | 1    | トランスベース               |                                      |    |
| 50-1-2   | S54028001 | 1    | トランス                  |                                      |    |
| 50-1-3   | S50474000 | 2    | トツテ                   |                                      |    |
| 50-1-4   | S41964000 | 1    | ブツ                    |                                      |    |
| 50-1-5   | 062500602 | 4    | ナハコ5X6                |                                      |    |
| 50-1-6   | S23618001 | 4    | シメネジ 6X10             |                                      |    |
| 50-1-7   | S50633100 | 1    | ハンカトランスB100           |                                      |    |
| 50-1-7-1 | S50649000 | 1    | ハンカトランスB              |                                      |    |
| 50-1-7-2 | S50485100 | 1    | TR-INハーネス             |                                      |    |
| 50-1-7-3 | S50486100 | 1    | TR-OUTハーネス            |                                      |    |
| 50-1-8   | 018060831 | 4    | アホ M6X8               |                                      |    |
| 50-1-9   | 025060236 | 4    | ヒラサカネ 2-6             |                                      |    |
| 50-1-10  | 028060246 | 4    | ハネサカネ 2-6             |                                      |    |
| 50-1-11  | S10820000 | 1    | デンアラハ                 |                                      |    |
| 50-1-12  | 0A4400606 | 1    | ナハサク M4X6DA           |                                      |    |
|          |           |      | <単相110V用>             | <For "1-Phase 110V AC">              |    |
| 50-2     | S50634101 | 1    | ハンカトランスB110クミ         | TRANSFORMER ASSY, B110 ;CONV.        |    |
| 50-2-1   | S54027001 | 1    | トランスベース               | BASE PLATE, TRANS.                   |    |
| 50-2-2   | S54028001 | 1    | トランス                  | COVER, TRANS.                        |    |
| 50-2-3   | S50474000 | 2    | トツテ                   | HANDLE                               |    |
| 50-2-4   | S41964000 | 1    | ブツ                    | BUSH                                 |    |
| 50-2-5   | 062500602 | 4    | ナハコ5X6                | SCREW, PAN M5X6                      |    |
| 50-2-6   | S23618001 | 4    | シメネジ 6X10             | SCREW, M6X10                         |    |
| 50-2-7   | S50635100 | 1    | ハンカトランスB110           | TRANSFORMER, B100 ;CONV.             |    |
| 50-2-7-1 | S50649000 | 1    | ハンカトランスB              | CONVERSION TRANSFORMER, B            |    |

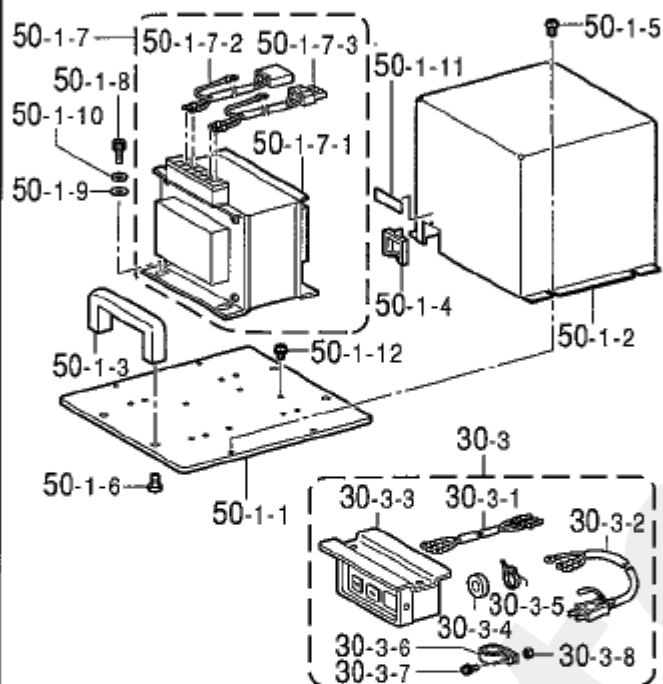
< 三相200V,220V用 / For "3-Phase 200V & 220V AC" >



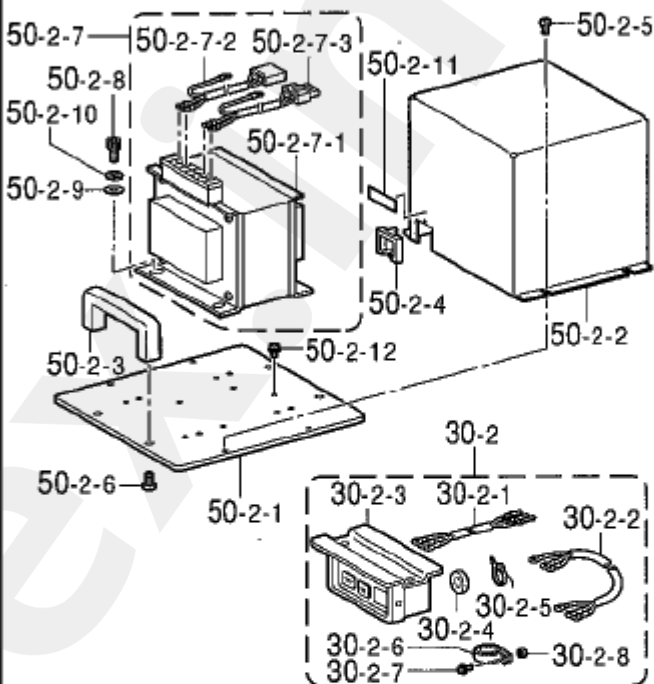
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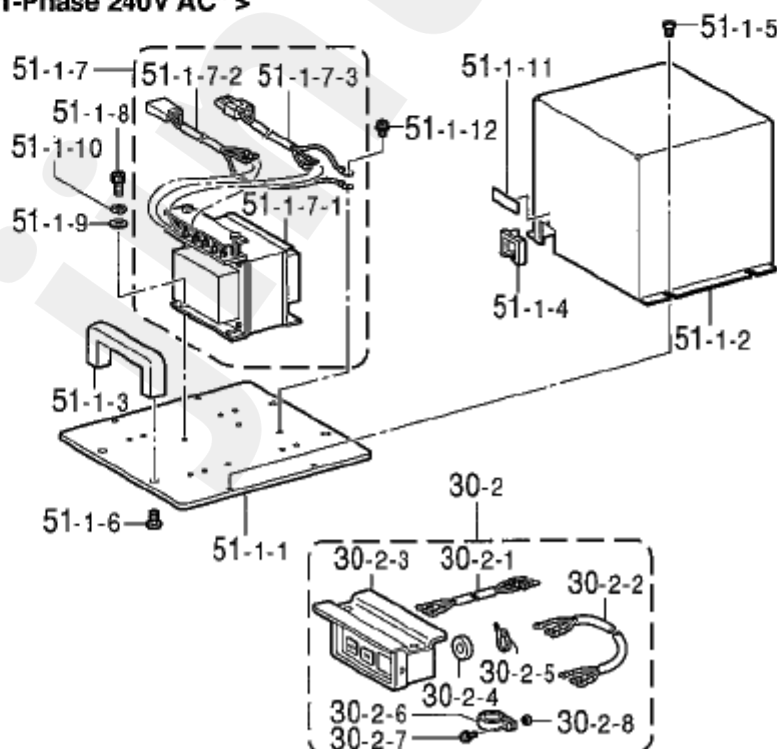
< 単相100V用 / For Japan only >



< 単相110V用 / For "1-Phase 110V AC" >



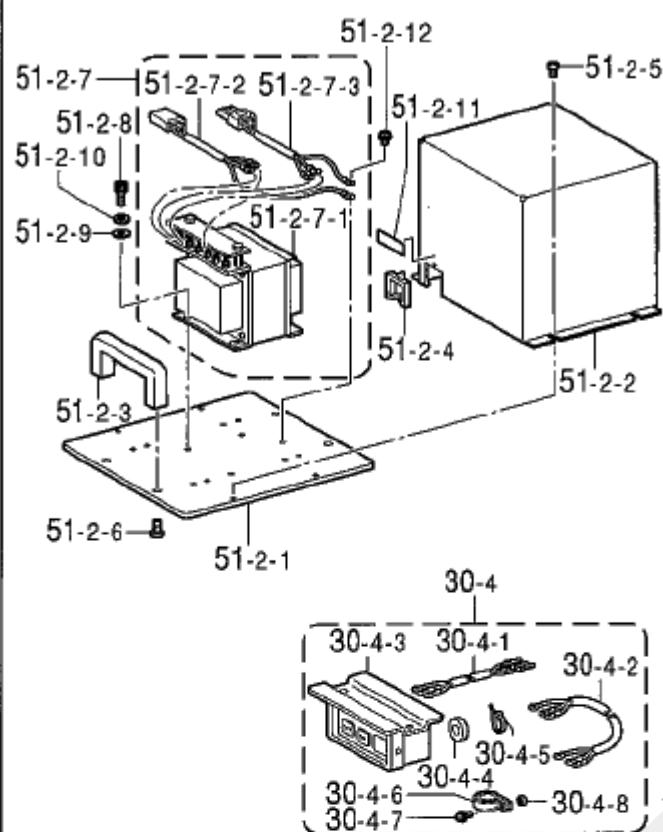
< 単相240V / For "1-Phase 240V AC" >



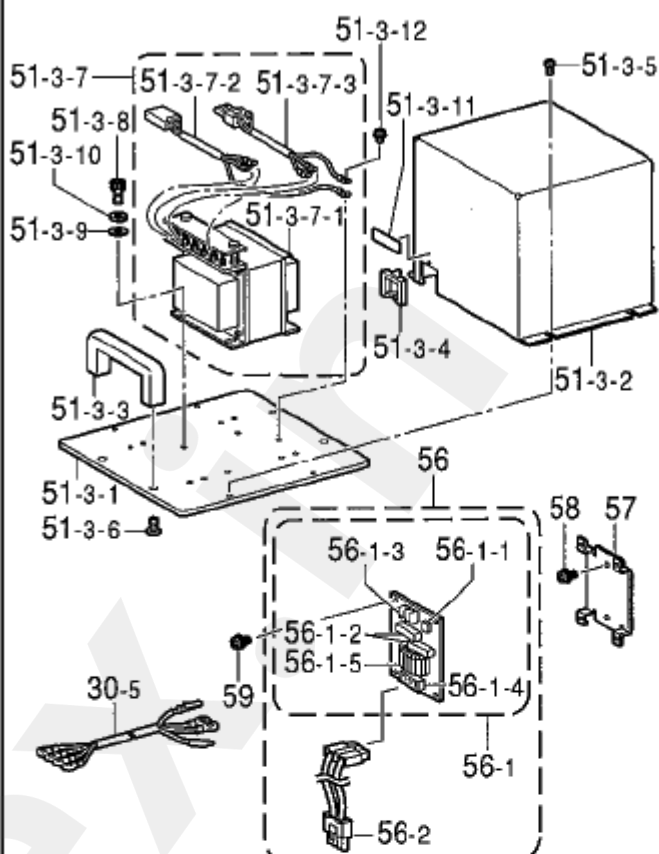
## U2.コントロールボックス関係 / Control box mechanism

| REF.NO   | CODE      | QTY | ヒンメイ       | NAME OF PARTS                 | RM |
|----------|-----------|-----|------------|-------------------------------|----|
|          |           |     | <単相110V用>  | <For "1-Phase 110V AC">       |    |
| 50-2-7-2 | S50485100 | 1   | TR-INハーネス  | HARNESS, TR-IN                |    |
| 50-2-7-3 | S50486100 | 1   | TR-OUTハーネス | HARNESS, TR-OUT               |    |
| 50-2-8   | 018060831 | 4   | ボルトM6X8    | BOLT, SOCKET M6X8             |    |
| 50-2-9   | 025060236 | 4   | ワッシャー平M6   | WASHER, PLAIN M 6             |    |
| 50-2-10  | 028060246 | 4   | ワッシャーコイルM6 | WASHER, SPRING 2-6            |    |
| 50-2-11  | S10820002 | 1   | ラベル110V AC | LABEL, 110V AC                |    |
| 50-2-12  | 0A4400606 | 1   | ネジパンM4X6DA | SCREW, PAN (S/P WASHER) M4X6  |    |
|          |           |     | <単相240V用>  | <For "1-Phase 240V AC">       |    |
| 51-1     | S50636101 | 1   | 変圧器C240V用  | TRANSFORMER ASSY, C240 ;CONV. |    |
| 51-1-1   | S54027001 | 1   | ベースプレート    | BASE PLATE, TRANS.            |    |
| 51-1-2   | S54028001 | 1   | カバー        | COVER, TRANS.                 |    |
| 51-1-3   | S50474000 | 2   | ハンドル       | HANDLE                        |    |
| 51-1-4   | S41964000 | 1   | ブッシュ       | BUSH                          |    |
| 51-1-5   | 062500602 | 4   | ネジM5X6     | SCREW, PAN M5X6               |    |
| 51-1-6   | S23618001 | 4   | ネジM6X10    | SCREW, M6X10                  |    |
| 51-1-7   | S50637100 | 1   | 変圧器C240    | TRANSFORMER, C240 ;CONV.      |    |
| 51-1-7-1 | S38128000 | 1   | 変圧器        | CONVERSION TRANSFORMER, C     |    |
| 51-1-7-2 | S50485100 | 1   | TR-INハーネス  | HARNESS, TR-IN                |    |
| 51-1-7-3 | S50486100 | 1   | TR-OUTハーネス | HARNESS, TR-OUT               |    |
| 51-1-8   | 018060831 | 4   | ボルトM6X8    | BOLT, SOCKET M6X8             |    |
| 51-1-9   | 025060236 | 4   | ワッシャー平M6   | WASHER, PLAIN M 6             |    |
| 51-1-10  | 028060246 | 4   | ワッシャーコイルM6 | WASHER, SPRING 2-6            |    |
| 51-1-11  | S10820005 | 1   | ラベル240V AC | LABEL, 240V AC                |    |
| 51-1-12  | 0A4400606 | 1   | ネジパンM4X6DA | SCREW, PAN (S/P WASHER) M4X6  |    |

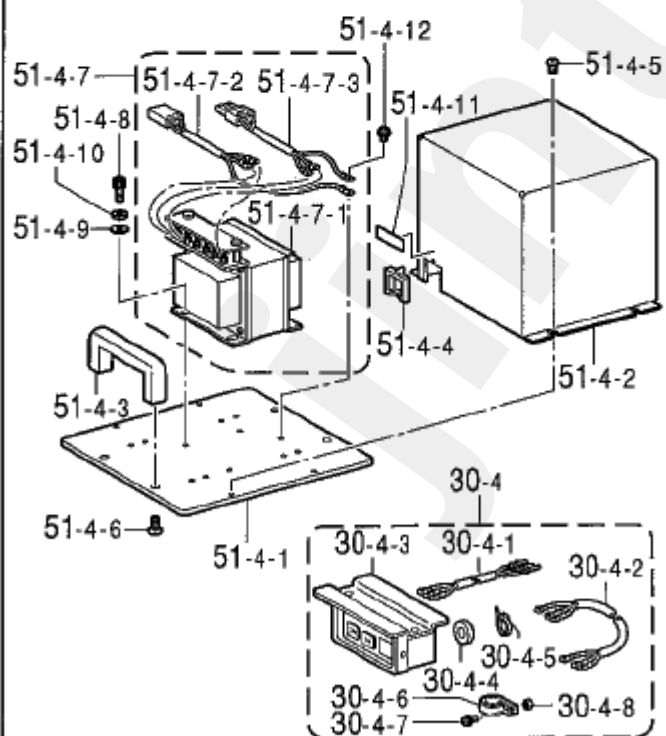
< 三相380V用 / For "3-Phase 380V AC" >



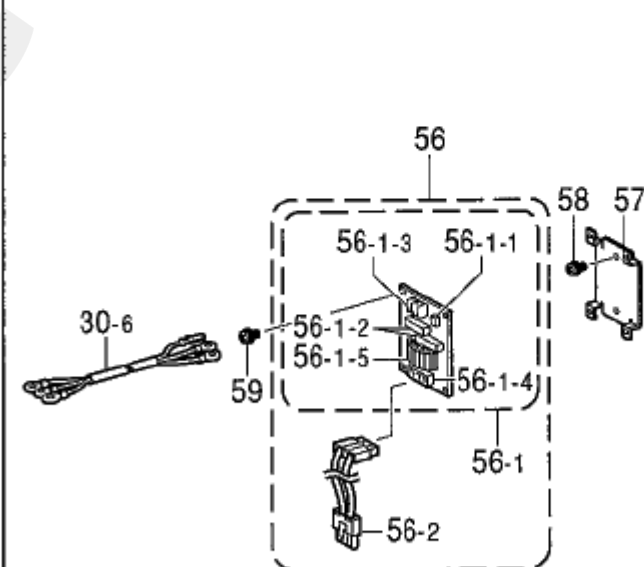
< 三相400V用 / For "3-Phase 400V AC" >



< 三相415V用 / For "3-Phase 415V AC" >



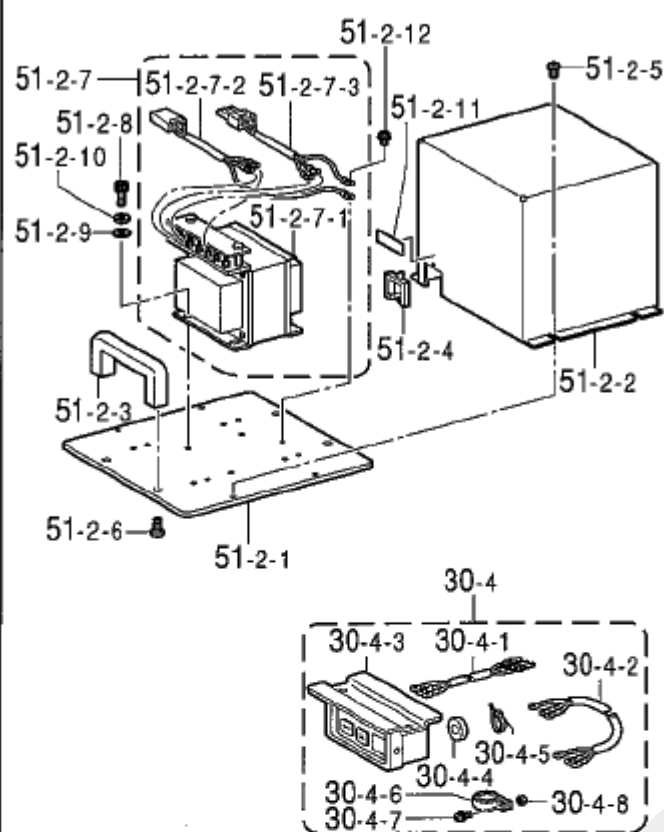
< 単相230V用 / For "1-Phase 230V AC" >



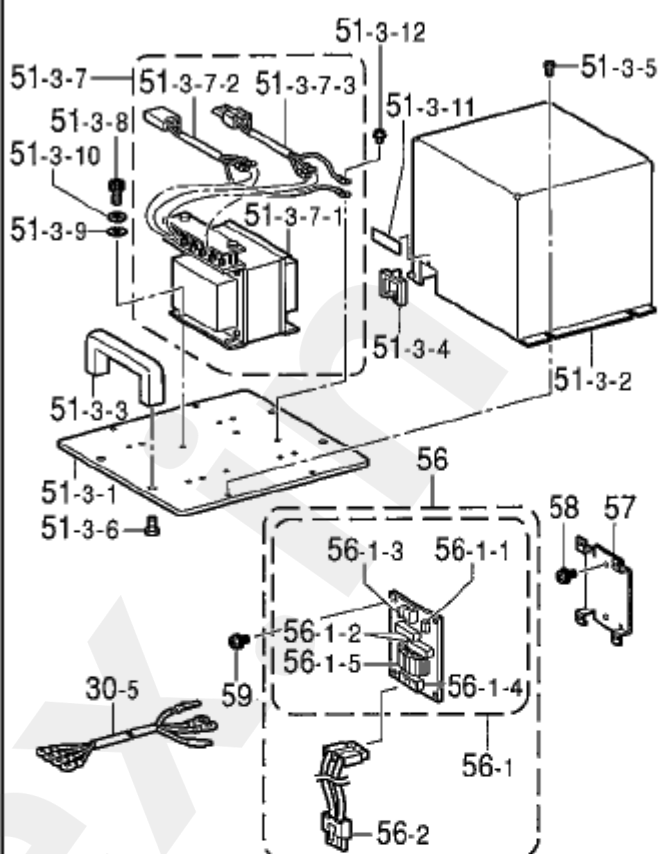
## U3.コントロールボックス関係 / Control box mechanism

| REF.NO   | CODE      | Q'TY | ヒンメイ           | NAME OF PARTS                  | RM |
|----------|-----------|------|----------------|--------------------------------|----|
|          |           |      | <三相380V、415V用> | <For "3-Phase 380V & 415V AC"> |    |
| 30-4     | S50447001 | 1    | デンゲンSW#D       | POWER SUPPLY SWITCH ASSY, D    |    |
| 30-4-1   | S50445000 | 1    | デンゲンコードB       | POWER SUPPLY CORD, B           |    |
| 30-4-2   | S38133000 | 1    | デンゲンコード        | POWER SUPPLY HARNESS           |    |
| 30-4-3   | J02657001 | 1    | 3P押しSW#17      | PUSH SWITCH, 3P #17            |    |
| 30-4-4   | 224514001 | 2    | セツインタ          | INSULATION PLATE               |    |
| 30-4-5   | 218859001 | 3    | バインダM150       | BINDER, M150                   |    |
| 30-4-6   | S40623000 | 1    | EMIコアTR-40-27  | EMI CORE, TR-40-27             |    |
|          |           |      | <三相400V用>      | <For "3-Phase 400V AC">        |    |
| 30-5     | S50448000 | 1    | デンゲンコードE       | POWER SUPPLY CORD, E           |    |
|          |           |      | <単相230V用>      | <For "1-Phase 230V AC">        |    |
| 30-6     | S50500000 | 1    | デンゲンコードF       | AC CORD, F                     |    |
|          |           |      | <三相380V用>      | <For "3-Phase 380V AC">        |    |
| 51-2     | S50638101 | 1    | 変圧器C380クミ      | TRANSFORMER ASSY, C380 ;CONV.  |    |
| 51-2-1   | S54027001 | 1    | ベースプレート        | BASE PLATE, TRANS.             |    |
| 51-2-2   | S54028001 | 1    | カバー            | COVER, TRANS.                  |    |
| 51-2-3   | S50474000 | 2    | ハンドル           | HANDLE                         |    |
| 51-2-4   | S41964000 | 1    | ブッシュ           | BUSH                           |    |
| 51-2-5   | 062500602 | 4    | ナットM5X6        | SCREW, PAN M5X6                |    |
| 51-2-6   | S23618001 | 4    | シメネジM6X10      | SCREW, M6X10                   |    |
| 51-2-7   | S50639100 | 1    | 変圧器C380        | TRANSFORMER, C380 ;CONV.       |    |
| 51-2-7-1 | S38128000 | 1    | 変圧器C           | CONVERSION TRANSFORMER, C      |    |
| 51-2-7-2 | S50485100 | 1    | TR-INケーブル      | HARNESS, TR-IN                 |    |
| 51-2-7-3 | S50486100 | 1    | TR-OUTケーブル     | HARNESS, TR-OUT                |    |
| 51-2-8   | 018060831 | 4    | ボルトM6X8        | BOLT, SOCKET M6X8              |    |
| 51-2-9   | 025060236 | 4    | ワッシャーM6        | WASHER, PLAIN M 6              |    |
| 51-2-10  | 028060246 | 4    | ワッシャーM6        | WASHER, SPRING 2-6             |    |
| 51-2-11  | S10820006 | 1    | ラベル            | LABEL, 380V AC                 |    |
| 51-2-12  | 0A4400606 | 1    | ナットM4X6        | SCREW, PAN (S/P WASHER) M4X6   |    |
|          |           |      | <三相400V用>      | <For "3-Phase 400V AC">        |    |
| 51-3     | S50640101 | 1    | 変圧器C400クミ      | TRANSFORMER ASSY, C400 ;CONV.  |    |
| 51-3-1   | S54027001 | 1    | ベースプレート        | BASE PLATE, TRANS.             |    |
| 51-3-2   | S54028001 | 1    | カバー            | COVER, TRANS.                  |    |
| 51-3-3   | S50474000 | 2    | ハンドル           | HANDLE                         |    |
| 51-3-4   | S41964000 | 1    | ブッシュ           | BUSH                           |    |
| 51-3-5   | 062500602 | 4    | ナットM5X6        | SCREW, PAN M5X6                |    |
| 51-3-6   | S23618001 | 4    | シメネジM6X10      | SCREW, M6X10                   |    |
| 51-3-7   | S50641100 | 1    | 変圧器C400        | TRANSFORMER, C400 ;CONV.       |    |
| 51-3-7-1 | S38128000 | 1    | 変圧器C           | CONVERSION TRANSFORMER, C      |    |
| 51-3-7-2 | S50485100 | 1    | TR-INケーブル      | HARNESS, TR-IN                 |    |
| 51-3-7-3 | S50486100 | 1    | TR-OUTケーブル     | HARNESS, TR-OUT                |    |
| 51-3-8   | 018060831 | 4    | ボルトM6X8        | BOLT, SOCKET M6X8              |    |
| 51-3-9   | 025060236 | 4    | ワッシャーM6        | WASHER, PLAIN M 6              |    |
| 51-3-10  | 028060246 | 4    | ワッシャーM6        | WASHER, SPRING 2-6             |    |
| 51-3-11  | S10820008 | 1    | ラベル            | LABEL, 400V AC                 |    |
| 51-3-12  | 0A4400606 | 1    | ナットM4X6        | SCREW, PAN (S/P WASHER) M4X6   |    |

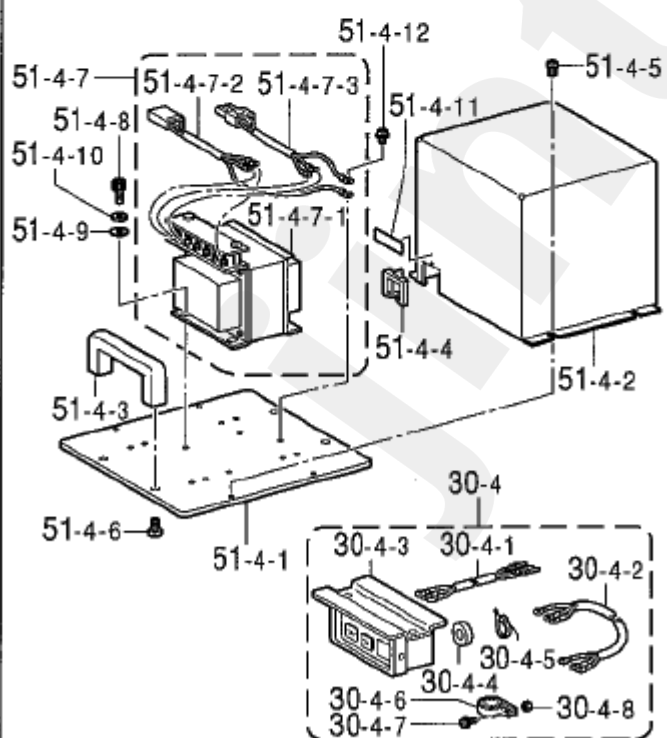
< 三相380V用 / For "3-Phase 380V AC" >



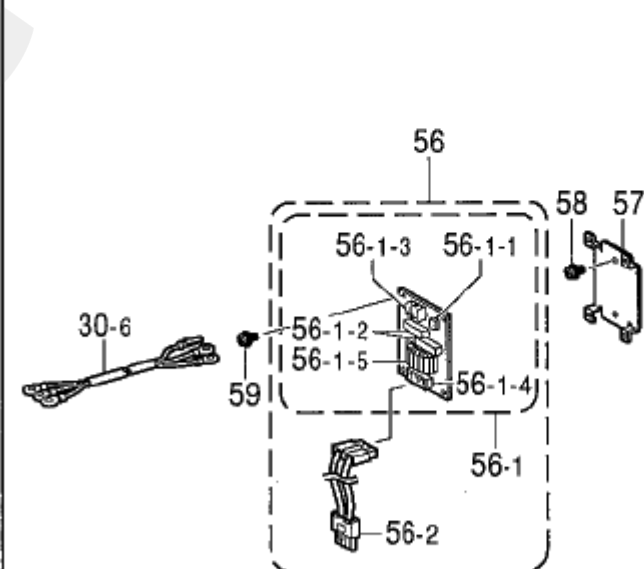
< 三相400V用 / For "3-Phase 400V AC" >



< 三相415V用 / For "3-Phase 415V AC" >

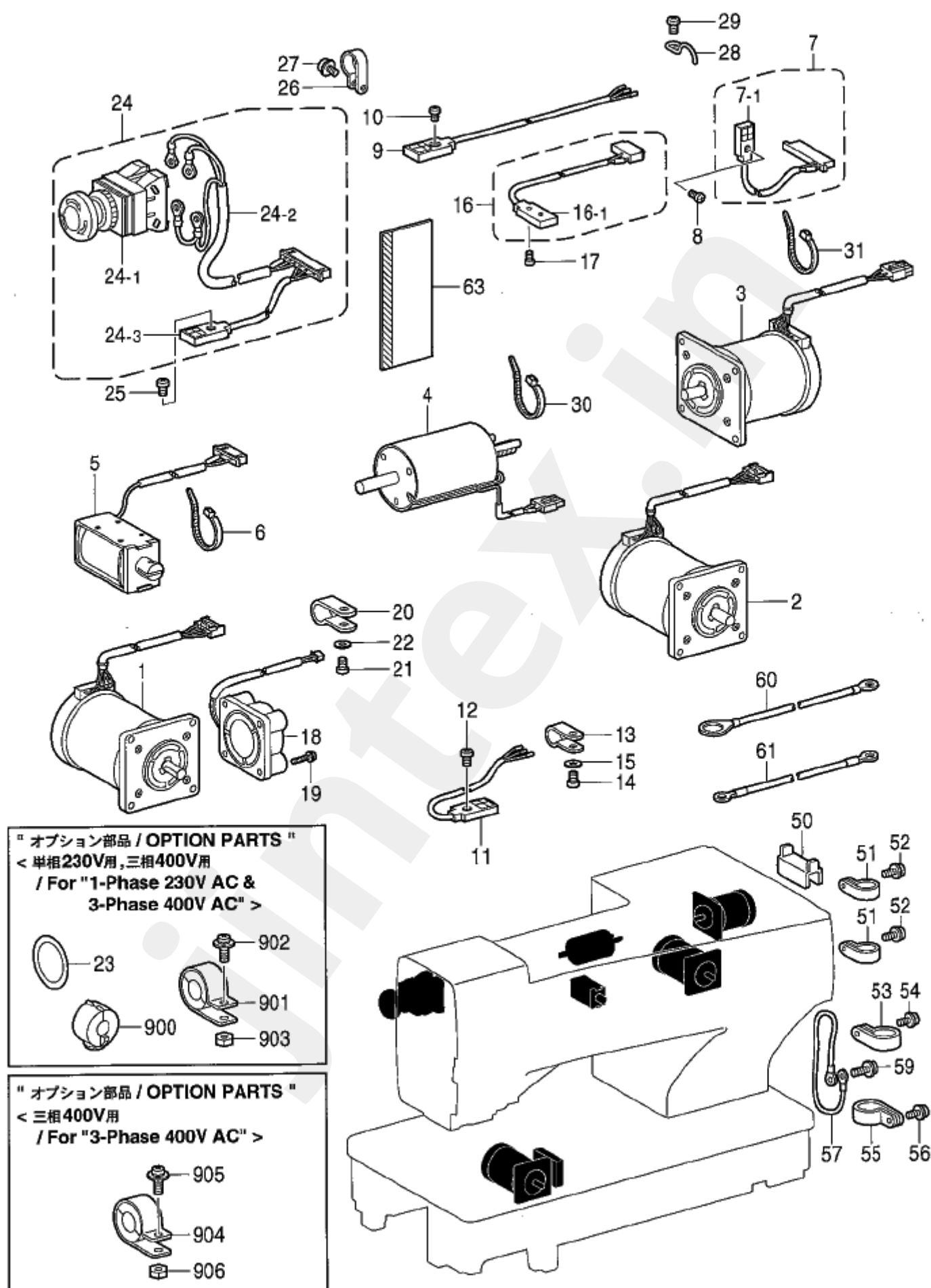


< 単相230V用 / For "1-Phase 230V AC" >

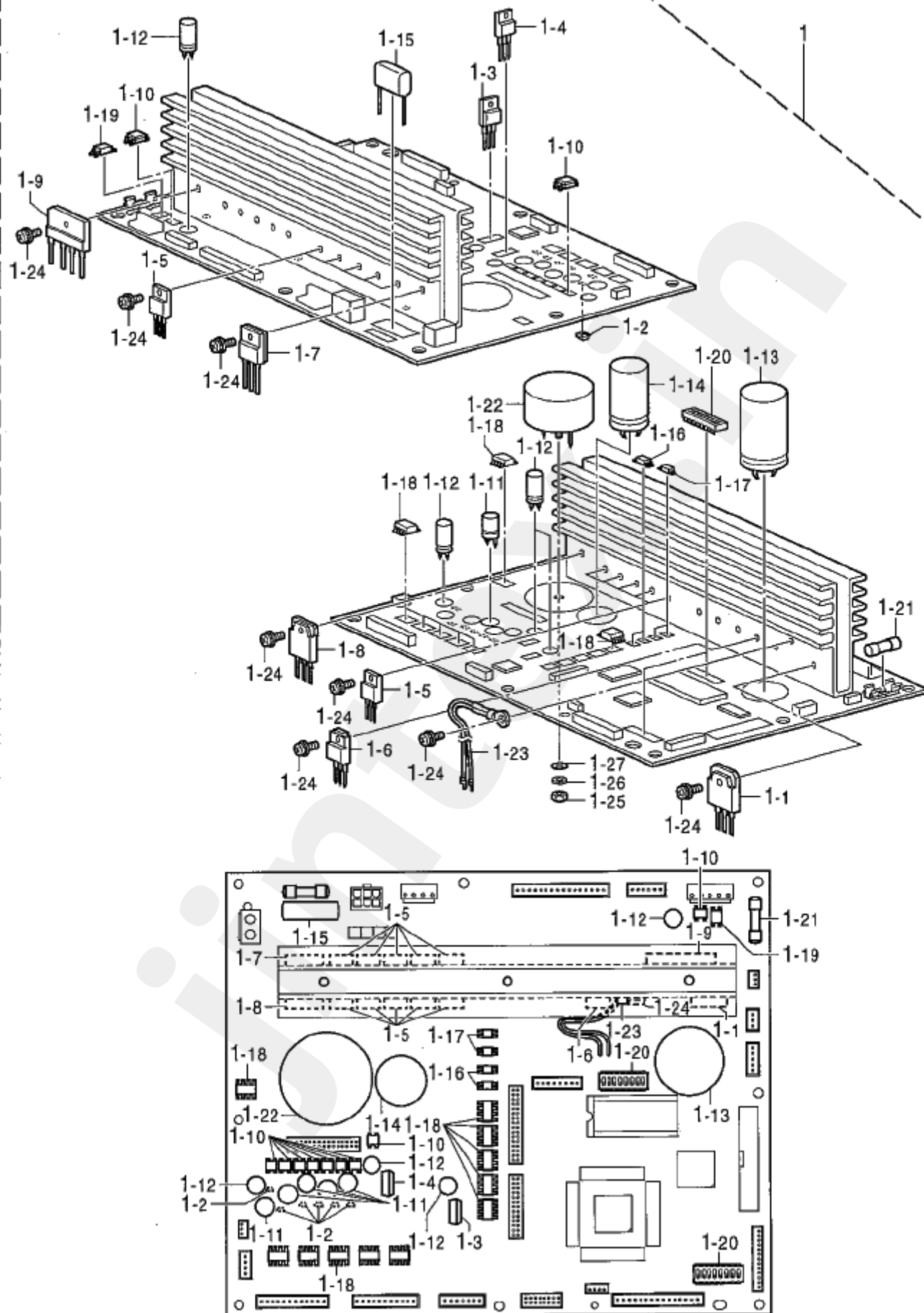


## U3.コントロールボックス関係 / Control box mechanism

| REF.NO   | CODE      | QTY | ヒンメイ              | NAME OF PARTS                        | RM |
|----------|-----------|-----|-------------------|--------------------------------------|----|
|          |           |     | <三相415V用>         | <For "3-Phase 415V AC">              |    |
| 51-4     | S50642101 | 1   | ハンカントランスC415クミ    | TRANSFORMER ASSY, C415 ;CONV.        |    |
| 51-4-1   | S54027001 | 1   | トランスベース           | BASE PLATE, TRANS.                   |    |
| 51-4-2   | S54028001 | 1   | トランスフタ            | COVER, TRANS.                        |    |
| 51-4-3   | S50474000 | 2   | トツテ               | HANDLE                               |    |
| 51-4-4   | S41964000 | 1   | ブツシユ              | BUSH                                 |    |
| 51-4-5   | 062500602 | 4   | ナメコ5X6            | SCREW, PAN M5X6                      |    |
| 51-4-6   | S23618001 | 4   | シメネジ 6X10         | SCREW, M6X10                         |    |
| 51-4-7   | S50643100 | 1   | ハンカントランスC415      | TRANSFORMER, C415 ;CONV.             |    |
| 51-4-7-1 | S38128000 | 1   | ハンカントランスC         | CONVERSION TRANSFORMER, C            |    |
| 51-4-7-2 | S50485100 | 1   | TR-INハーネス         | HARNESS, TR-IN                       |    |
| 51-4-7-3 | S50486100 | 1   | TR-OUTハーネス        | HARNESS, TR-OUT                      |    |
| 51-4-8   | 018060831 | 4   | アサボルト6X8          | BOLT, SOCKET M6X8                    |    |
| 51-4-9   | 025060236 | 4   | ヒラサガネネジユ6         | WASHER, PLAIN M 6                    |    |
| 51-4-10  | 028060246 | 4   | ハネサガネネジ2-6        | WASHER, SPRING 2-6                   |    |
| 51-4-11  | S10820007 | 1   | テンアツラベル           | LABEL, 415V AC                       |    |
| 51-4-12  | 0A4400606 | 1   | ナメコクミ4X6DA        | SCREW, PAN (S/P WASHER) M4X6         |    |
|          |           |     | <単相230V, 三相415V用> | <For "1-Phase 230V,3-Phase 415V AC"> |    |
| 56       | S50498001 | 1   | ノイズフィルタEHクミ       | NOISE FILTER ASSY, EH                |    |
| 56-1     | S40616001 | 1   | ノイズフィルタEMCクミ      | NOISE FILTER ASSY, EMC               |    |
| 56-1-1   | S40617000 | 1   | セラCECKDNA102MB    | CAPACITOR, CERAMIC:ECKDNA102MB       |    |
| 56-1-2   | S40618000 | 2   | ポリC250B474        | CAPACITOR, POLYESTER :250B474        |    |
| 56-1-3   | S40619000 | 1   | タンシタ 2P           | TERMINAL BLOCK, 2P                   |    |
| 56-1-4   | 414900001 | 1   | ヘツタ 5219-03A      | HEADER 5219-03A                      |    |
| 56-1-5   | S35598000 | 1   | コイルSC0520J        | COIL, SC0520J                        |    |
| 56-2     | S50499000 | 1   | ノイズフィルタハーネス       | NOISE FILTER HARNESS                 |    |
| 57       | S40620000 | 1   | キハントリツケイタ         | SETTING PLATE, ;PCB                  |    |
| 58       | 0A4400605 | 2   | ナメコクミ4X6DA        | SCREW, PAN (S/P WASHER) M4X6         |    |
| 59       | 0A4400605 | 4   | ナメコクミ4X6DA        | SCREW, PAN (S/P WASHER) M4X6         |    |

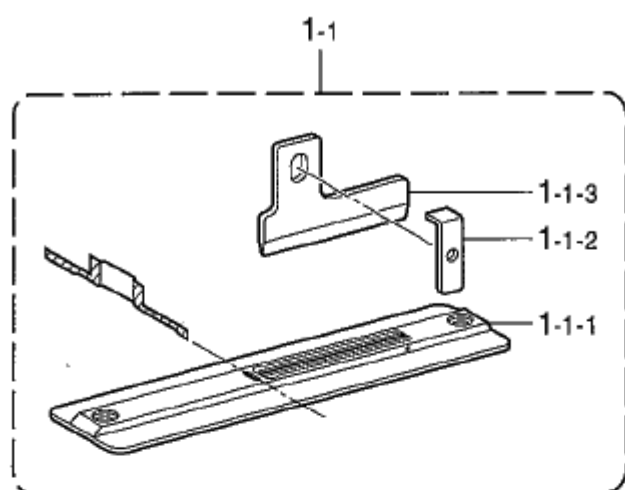


| REF.NO            | CODE      | QTY | ヒンメイ            | NAME OF PARTS                         | RM |
|-------------------|-----------|-----|-----------------|---------------------------------------|----|
| 1                 | S50458100 | 1   | パルスモータFDクミ      | PULSE MOTOR ASSY, FD                  |    |
| 2                 | S50459100 | 1   | パルスモータFTクミ      | PULSE MOTOR ASSY, FT                  |    |
| 3                 | S50460000 | 1   | パルスモータNクミ       | PULSE MOTOR ASSY, N                   |    |
| 4                 | S50461000 | 1   | カッターソレノイド       | CUTTER SOLENOID                       |    |
| 5                 | S50462000 | 1   | イトユルメソレノイド      | TENSION RELEASE SOLENOID              |    |
| 6                 | 228475000 | 1   | ケツソクハント 1.9X80  | FASTENING BAND, 1.9X80                |    |
| 7                 | S50463000 | 1   | センサクミ           | SENSOR ASSY                           |    |
| 7-1               | S50464000 | 1   | センサGL-N12       | SENSOR, GL-N12                        |    |
| 8                 | 062300806 | 1   | ナハコ3X8          | SCREW, PAN M3X8                       |    |
| 9                 | S50464000 | 1   | センサGL-N12       | SENSOR, GL-N12                        |    |
| 10                | 062300806 | 1   | ナハコ3X8          | SCREW, PAN M3X8                       |    |
| 11                | S50465000 | 1   | センサGL-N12       | SENSOR, GL-N12                        |    |
| 12                | 062300806 | 1   | ナハコ3X8          | SCREW, PAN M3X8                       |    |
| 13                | 625010000 | 1   | ナイロンクランプ NK-2N  | CORD HOLDER, NK-2N                    |    |
| 14                | 062670812 | 1   | ナハコ3.57-40X8    | SCREW, PAN SM3.57-40X8                |    |
| 15                | 025350132 | 1   | ヒラサガネシヨウ        | WASHER, PLAIN S 3.5                   |    |
| 16                | S50466000 | 1   | カッターセンサクミ       | CUTTER SENSOR ASSY                    |    |
| 16-1              | S50467000 | 1   | センサGL-N12       | SENSOR, GL-N12                        |    |
| 17                | 062300806 | 1   | ナハコ3X8          | SCREW, PAN M3X8                       |    |
| 18                | S50468000 | 1   | DCファンモータ40クミ    | DC FAN MOTOR ASSY, 40                 |    |
| 19                | 0A5302005 | 2   | ナハサクミ3X20DB     | SCREW, PAN (S/P WASHER) M3X20         |    |
| 20                | S00480000 | 3   | コードホルダ #5       | CORD HOLDER, 5N                       |    |
| 21                | 062670812 | 3   | ナハコ3.57-40X6    | SCREW, PAN SM3.57-40X6                |    |
| 22                | 025350132 | 3   | ヒラサガネシヨウ        | WASHER, PLAIN S 3.5                   |    |
| 24                | S50471000 | 1   | EMロックSWハーネスクミ   | LOCK SWITCH HARNESS ASSY, EM          |    |
| 24-1              | S32335100 | 1   | SW-AVS311N      | SWITCH :AVS311N                       |    |
| 24-2              | S50472000 | 1   | EMSWハーネス        | SWITC HARNESS, EM                     |    |
| 24-3              | S50473000 | 1   | センサGL-N12       | SENSOR, GL-N12                        |    |
| 25                | 062300806 | 1   | ナハコ3X8          | SCREW, PAN M3X8                       |    |
| 26                | S10243000 | 4   | ナイロンクランプ NK-3N  | CORD HOLDER, NK-3N                    |    |
| 27                | 0A5400806 | 4   | ナハサクミ4X8DB      | SCREW, PAN (S/P WASHER) M4X8          |    |
| 28                | 152969001 | 1   | コードサエガネ         | CORD SUPPORT                          |    |
| 29                | 002300603 | 1   | ナハコ3X6          | SCREW, PAN M3X6                       |    |
| 30                | 228475000 | 2   | ケツソクハント 1.9X80  | FASTENING BAND, 1.9X80                |    |
| 31                | 218859001 | 1   | バインダ M150       | BINDER, M150                          |    |
| 50                | S50565001 | 1   | コードブッシュ         | CORD BUSH                             |    |
| 51                | 552907000 | 2   | コードホルダ #10      | CORD HOLDER, 10N                      |    |
| 52                | 0A5401006 | 2   | ナハコハネヒラ4X10     | SCREW, PAN (S/P WASHER) M4X10         |    |
| 53                | 552908000 | 1   | コードホルダ #14      | CORD HOLDER, 14N                      |    |
| 54                | 0A5401006 | 1   | ナハコハネヒラ4X10     | SCREW, PAN (S/P WASHER) M4X10         |    |
| 55                | 552908000 | 1   | コードホルダ #14      | CORD HOLDER, 14N                      |    |
| 56                | 0A5401006 | 1   | ナハコハネヒラ4X10     | SCREW, PAN (S/P WASHER) M4X10         |    |
| 57                | S38145000 | 1   | アースセン2          | GROUND WIRE, 2                        |    |
| 59                | 0A5401006 | 2   | ナハコハネヒラ4X10     | SCREW, PAN (S/P WASHER) M4X10         |    |
| 60                | S41216000 | 1   | アースセン           | GROUND WIRE                           |    |
| 61                | S50644000 | 1   | アースコード          | GROUND WIRE                           |    |
| 63                | SA0287000 | 1   | クイックチューブ 30X350 | TUBE, 30X350                          |    |
| "オプション部品"         |           |     |                 | "OPTION PARTS"                        |    |
| <単相230V, 三相400V用> |           |     |                 | <For "1-Phase 230V, 3-Phase 400V AC"> |    |
| 23                | S37055001 | 1   | EMスイッチスハネサ      | SPACER, 1 ;EM-SWITCH                  |    |
| 900               | S42653000 | 1   | コアTFC-23-11-14  | CORE :TFC-23-11-14                    |    |
| 901               | S40623000 | 3   | EMIコアTR-40-27   | EMI CORE, TR-40-27                    |    |
| 902               | 0A5401206 | 3   | ナハサクミ4X12DB     | SCREW, PAN (S/P WASHER) M4X12         |    |
| 903               | 021400106 | 3   | ナット1シユ4         | NUT, 1 M4                             |    |
| <三相400V用>         |           |     |                 | <For "3-Phase 400V AC">               |    |
| 904               | S40623000 | 1   | EMIコアTR-40-27   | EMI CORE, TR-40-27                    |    |
| 905               | 0A5401206 | 1   | ナハサクミ4X12DB     | SCREW, PAN (S/P WASHER) M4X12         |    |
| 906               | 021400106 | 1   | ナット1シユ4         | NUT, 1 M4                             |    |

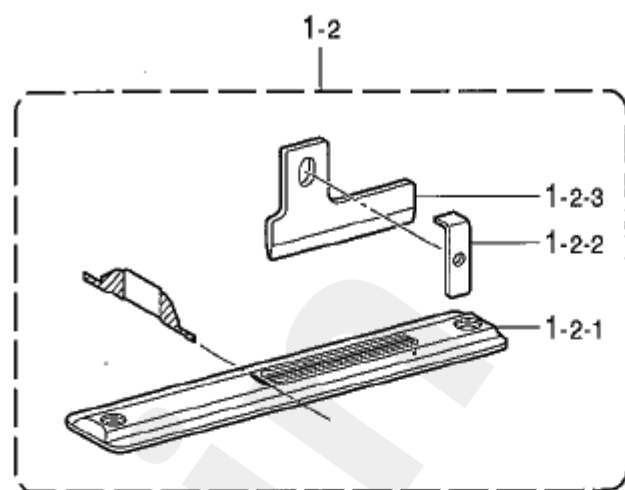


| REF.NO | CODE      | QTY | ヒンメイ            | NAME OF PARTS                 | RM |
|--------|-----------|-----|-----------------|-------------------------------|----|
| 1      | S53902301 | 1   | 主コウメインキハンクミ     | MAIN PCB ASSY                 |    |
| 1-1    | S08047000 | 1   | BICSI-3052V     | REGULATOR, :SI3052V           |    |
| 1-2    | S47664000 | 6   | レギュレータAN78L18M  | REGULATOR, :AN78L18M          |    |
| 1-3    | S47665000 | 1   | レギュレータAN78M18F  | REGULATOR, :AN78M18F          |    |
| 1-4    | S46454000 | 1   | レギュレータTA7810S   | REGULATOR, :TA7810S           |    |
| 1-5    | S46455000 | 10  | FETFK10KM-10    | TRANSISTOR, FET :FK10KM-10    |    |
| 1-6    | S38155000 | 1   | MOSFET2SK1306   | TRANSISTOR, FET :2SK1306      |    |
| 1-7    | S38200000 | 1   | MOSFET2SK1938   | TRANSISTOR, :2SK1938          |    |
| 1-8    | S47668000 | 1   | SIDPA905C6      | DIODE, AR :PA905C6            |    |
| 1-9    | S47669000 | 1   | DBRD5SB20       | DIODE, BR :D5SB20             |    |
| 1-10   | S47670000 | 9   | SIDSIZB60       | DIODE, BR :SIZB60             |    |
| 1-11   | Y42215591 | 5   | コンデンサC50B221    | CAPACITOR, ALUM-ELEC :50B221  |    |
| 1-12   | Y44715591 | 4   | コンデンサC50B471    | CAPACITOR, ALUM-ELEC :50B471  |    |
| 1-13   | S47673000 | 1   | コンデンサC80B472    | CAPACITOR, ALUM-ELEC :50B472  |    |
| 1-14   | S47678000 | 1   | コンデンサC450B101   | CAPACITOR, ALUM-ELEC :450B101 |    |
| 1-15   | S30209000 | 1   | フィルムC400B105    | CAPACITOR, POLYESTER :400B105 |    |
| 1-16   | S30205000 | 2   | フォトカプラTLP112A   | PHOTO COUPLER, :TLP112A       |    |
| 1-17   | S42699000 | 2   | フォトカプラTLP121    | PHOTO COUPLER, :TLP121        |    |
| 1-18   | S43178000 | 11  | フォトカプラPC9231    | PHOTO COUPLER, :PC9231        |    |
| 1-19   | J02621001 | 1   | フォトカプラTLP120    | PHOTO COUPLER, :TLP120        |    |
| 1-20   | U32744000 | 2   | DIPSWDSS708     | DIP SWITCH:DSS708             |    |
| 1-21   | S47680000 | 1   | GFUSE8A         | GLASS FUSE, 8A                |    |
| 1-22   | S47681000 | 1   | コイルSK40S120-700 | COIL, :SK40S120-700           |    |
| 1-23   | S58731000 | 1   | サーミスタクミ         | THERMISTOR ASSY               |    |
| 1-24   | 0A4301005 | 19  | ナット3X10DA       | SCREW, PAN (S/P WASHER) M3X10 |    |
| 1-25   | 021300206 | 1   | 2シユナツ3          | NUT, 2 M3                     |    |
| 1-26   | 028030246 | 1   | ハネサカネ2-3        | WASHER, SPRING 2-3            |    |
| 1-27   | 025030136 | 1   | ヒラサカネ3          | WASHER, PLAIN S 3             |    |

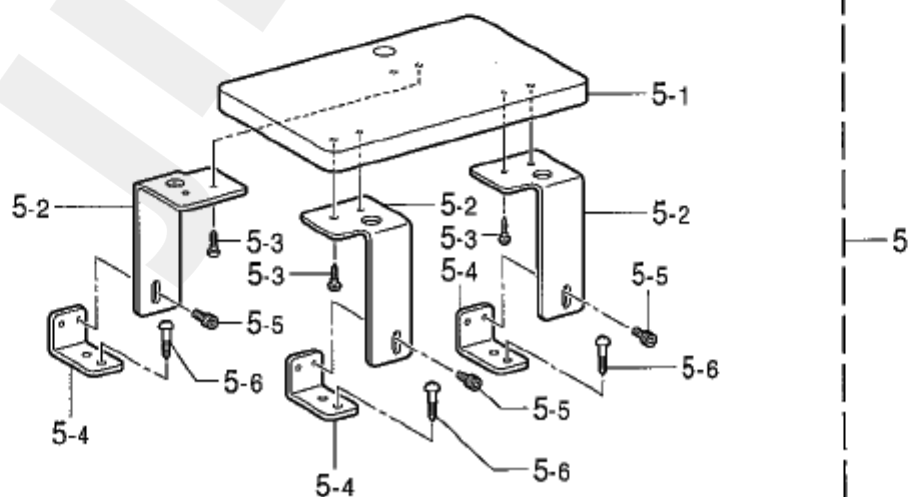
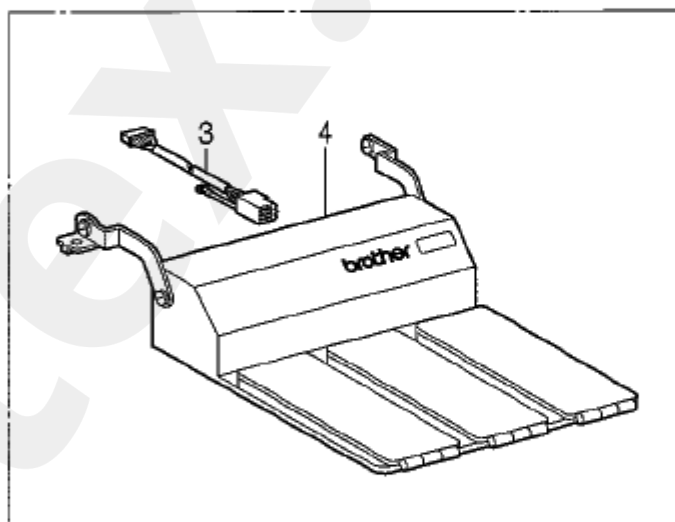
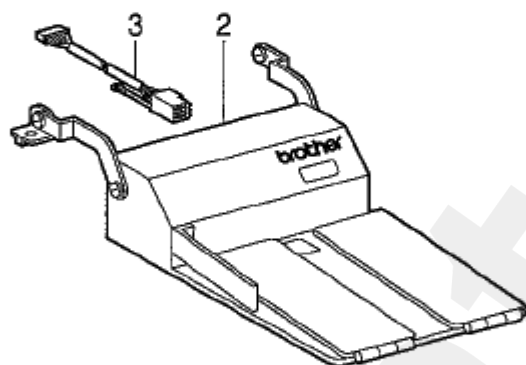
" 布帛用 / For General materials "



" ニット用 / For Knitted materials "

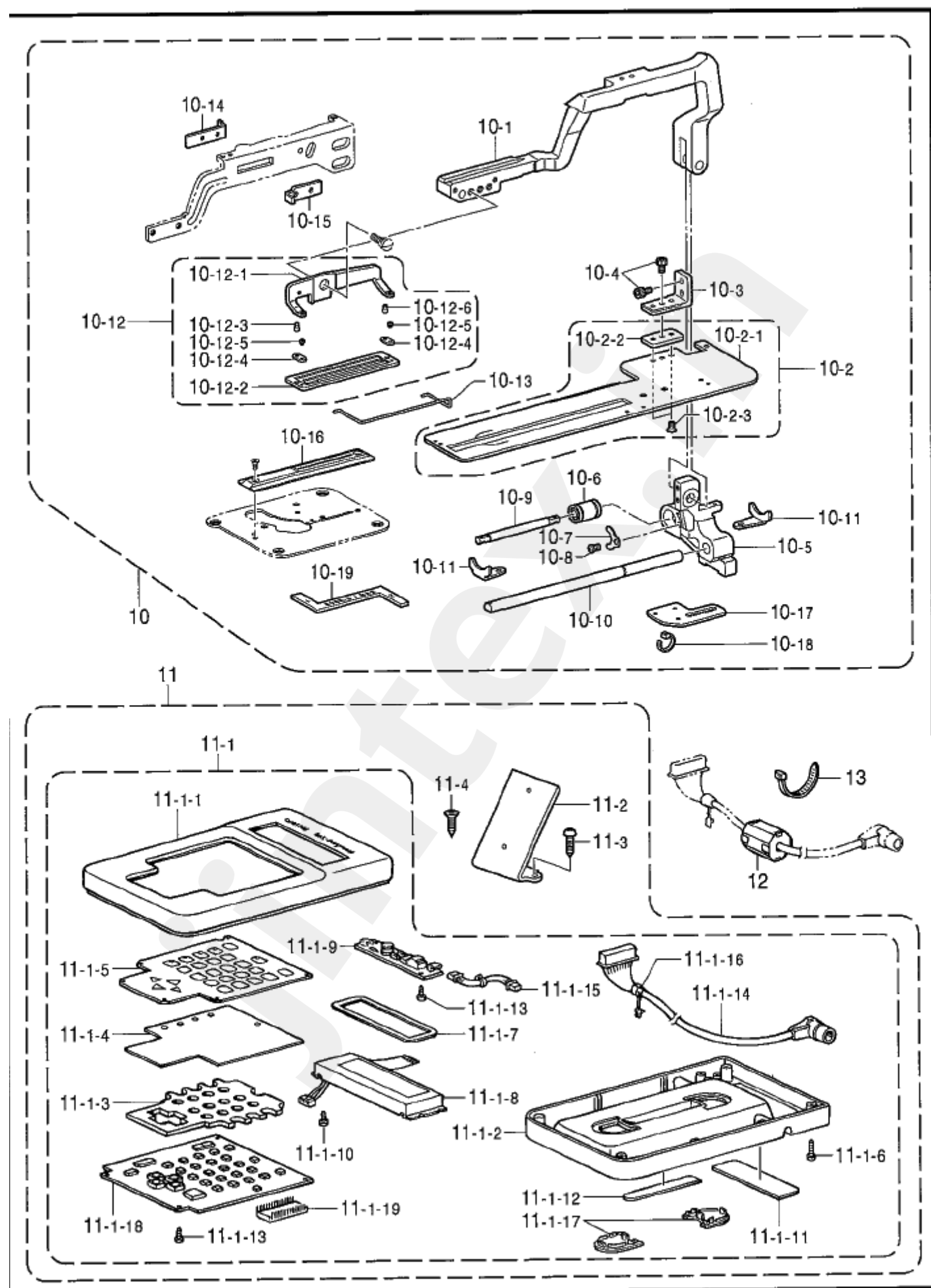


< 立作業用 / For Standing operation >



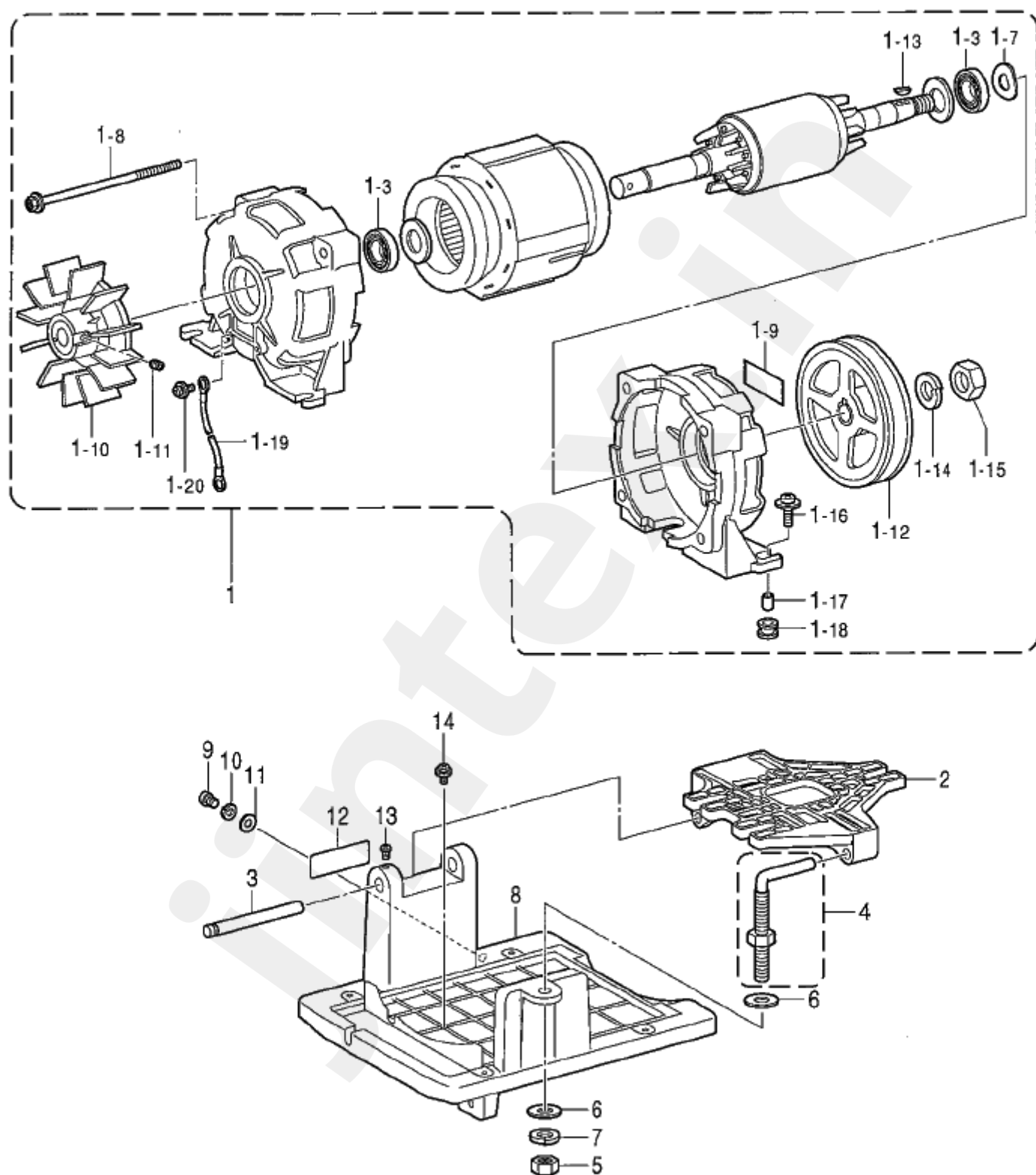
## X1. 付属装置関係 (オプション部品) / Attachment set (Option parts)

| REF.NO | CODE      | QTY | ヒンメイ                      | NAME OF PARTS                                        | RM |
|--------|-----------|-----|---------------------------|------------------------------------------------------|----|
|        |           |     | "布帛用"<br><針穴: 1.2X5.4mm>  | "For General materials"<br><Needle hole : 1.2X5.4mm> |    |
| 1-1    | S51361001 | 1   | ハリイ1.2RBセット               | NEEDLE PLATE SET, 1.2RB                              |    |
| 1-1-1  | S50304001 | 1   | ハリイ1.2S-RBミ               | NEEDLE PLATE ASSY, 1.2S-RB                           |    |
| 1-1-2  | S50297001 | 1   | カッターサエ                    | CUTTER HOLDER                                        |    |
| 1-1-3  | S50341001 | 1   | カッターホルダーイキメタ              | POSITIONING PLATE                                    |    |
|        |           |     | <針穴: 1.4X7.3mm>           | <Needle hole : 1.4X7.3mm>                            |    |
| 1-1    | S51362001 | 1   | ハリイ1.4RBセット               | NEEDLE PLATE SET, 1.4RB                              |    |
| 1-1-1  | S50309001 | 1   | ハリイ1.4S-RBミ               | NEEDLE PLATE ASSY, 1.4S-RB                           |    |
| 1-1-2  | S50297001 | 1   | カッターサエ                    | CUTTER HOLDER                                        |    |
| 1-1-3  | S50341001 | 1   | カッターホルダーイキメタ              | POSITIONING PLATE                                    |    |
|        |           |     | <針穴: 1.6X7.3mm>           | <Needle hole : 1.6X7.3mm>                            |    |
| 1-1    | S51363001 | 1   | ハリイ1.6RBセット               | NEEDLE PLATE SET, 1.6RB                              |    |
| 1-1-1  | S50311001 | 1   | ハリイ1.6S-RBミ               | NEEDLE PLATE ASSY, 1.6S-RB                           |    |
| 1-1-2  | S50297001 | 1   | カッターサエ                    | CUTTER HOLDER                                        |    |
| 1-1-3  | S50341001 | 1   | カッターホルダーイキメタ              | POSITIONING PLATE                                    |    |
|        |           |     | "ニット用"<br><針穴: 1.2X5.4mm> | "For knitted materials"<br><Needle hole : 1.2X5.4mm> |    |
| 1-2    | S51364001 | 1   | ハリイ1.2RB-3セット             | NEEDLE PLATE SET, 1.2RB-3                            |    |
| 1-2-1  | S50313101 | 1   | ハリイ1.2S-RBミ-3             | NEEDLE PLATE ASSY, 1.2-RB-3                          |    |
| 1-2-2  | S50297001 | 1   | カッターサエ                    | CUTTER HOLDER                                        |    |
| 1-2-3  | S50341001 | 1   | カッターホルダーイキメタ              | POSITIONING PLATE                                    |    |
|        |           |     | <針穴: 1.4X6.8mm>           | <Needle hole : 1.4X6.8mm>                            |    |
| 1-2    | S51365001 | 1   | ハリイ1.4RB-3セット             | NEEDLE PLATE SET, 1.4RB-3                            |    |
| 1-2-1  | S50317101 | 1   | ハリイ1.4S-RBミ-3             | NEEDLE PLATE ASSY, 1.4S-RB-3                         |    |
| 1-2-2  | S50297001 | 1   | カッターサエ                    | CUTTER HOLDER                                        |    |
| 1-2-3  | S50341001 | 1   | カッターホルダーイキメタ              | POSITIONING PLATE                                    |    |
|        |           |     | <針穴: 1.6X6.8mm>           | <Needle hole : 1.4X6.8mm>                            |    |
| 1-2    | S51366001 | 1   | ハリイ1.6RB-3セット             | NEEDLE PLATE SET, 1.6RB-3                            |    |
| 1-2-1  | S50319101 | 1   | ハリイ1.6S-RBミ-3             | NEEDLE PLATE ASSY, 1.6S-RB-3                         |    |
| 1-2-2  | S50297001 | 1   | カッターサエ                    | CUTTER HOLDER                                        |    |
| 1-2-3  | S50341001 | 1   | カッターホルダーイキメタ              | POSITIONING PLATE                                    |    |
|        |           |     | <立作業用>                    | <For Standing operation>                             |    |
| 2      | J80081040 | 1   | DDタチハタル40カハ#6             | STANDING OPERATION 2-PEADL, #6                       |    |
|        |           |     | <2,3連ハタル用>                | <For 2 & 3 -pedal>                                   |    |
| 3      | S47750000 | 1   | タチハタルヨウネス                 | HARNESS, ;S-OPE.                                     |    |
| 4      | J80380040 | 1   | DDタチハタル3Pカハ#40            | STANDING OPERATION 3-PEDAL, #40                      |    |
| 5      | S53996101 | 1   | ボクヨテフミ                    | AUXILIARY TABLE ASSY                                 |    |
| 5-1    | S53997000 | 1   | ボクヨテフル                    | AUXILIARY TABLE                                      |    |
| 5-2    | S53998001 | 3   | ボクヨテフルサエ                  | AUX. TABLE SUPPORT                                   |    |
| 5-3    | 031351006 | 6   | ワルモネシ3.5X10               | WOOD SCREW, ROUND M3.5X10                            |    |
| 5-4    | S13650001 | 3   | シタクリウデD                   | BOTTOM FEED ARM, D                                   |    |
| 5-5    | 018680822 | 3   | アホル4.37X8                 | BOLT, SOCKET SM4.37X8                                |    |
| 5-6    | 032422003 | 3   | ワルモネシ4.1X20               | WOOD SCREW, ROUND M4.1X20                            |    |

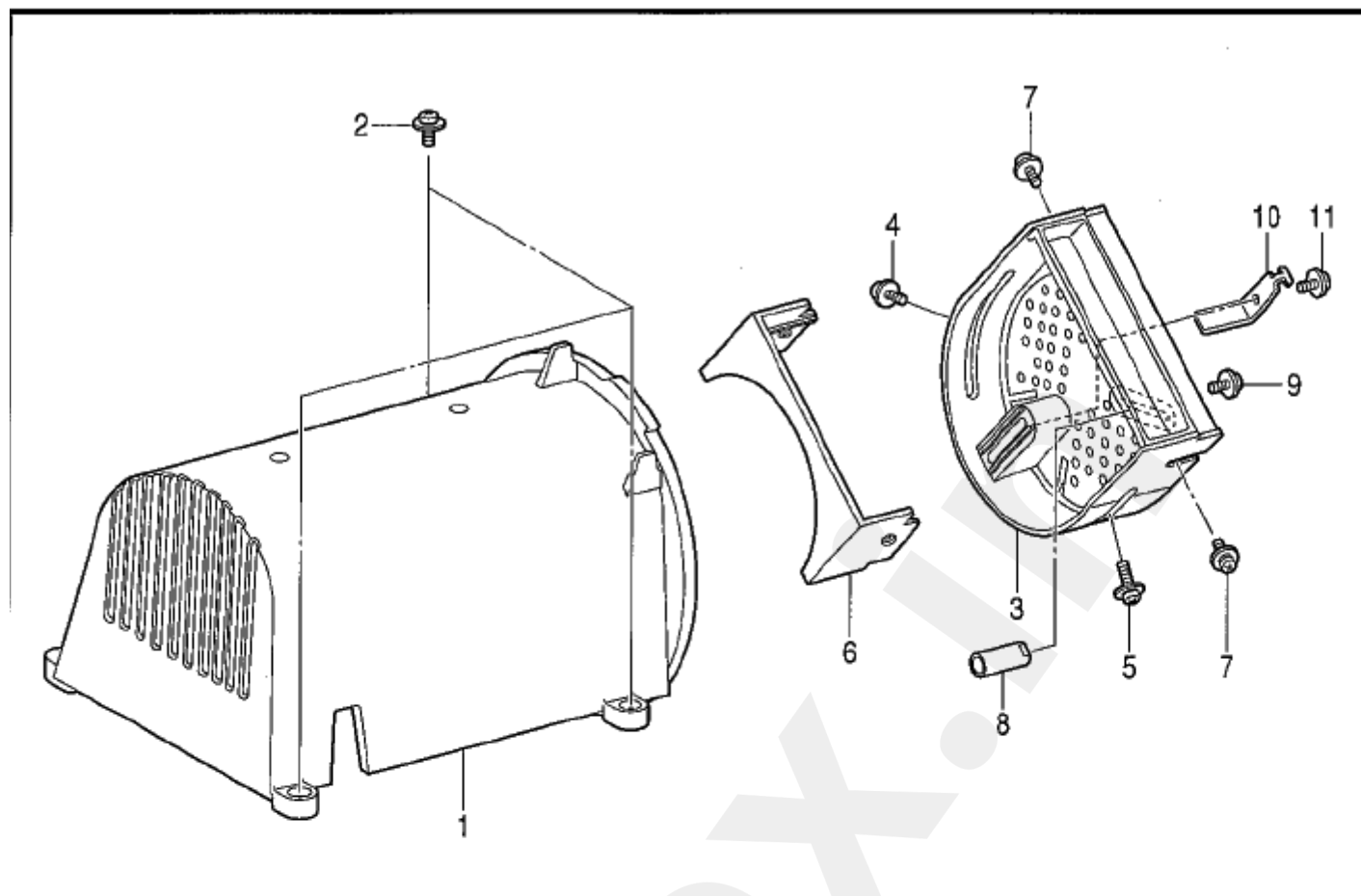


## X2. 付属装置関係 (オプション部品) / Attachment set (Option parts)

| REF.NO  | CODE      | Q'TY | ヒンメイ            | NAME OF PARTS                | RM |
|---------|-----------|------|-----------------|------------------------------|----|
| 10      | S54501101 | 1    | クミカエフヒンセット-70   | EXCHANGE PARTS SET, -70      |    |
| 10-1    | S54503001 | 1    | オリウテ-5          | FEED ARM, 5                  |    |
| 10-2    | S54504001 | 1    | ナカサオリイタ-5       | LENGTH FEED PLATE ASSY, -5   |    |
| 10-2-1  | S54505001 | 1    | ナカサオリイタ-5       | LENGTH FEED PLATE, -5        |    |
| 10-2-2  | S54506001 | 1    | オリイタスヘ-サ        | SPACER, FEED PLATE           |    |
| 10-2-3  | 117160001 | 2    | サラネシ 4.37       | SCREW, FLAT SM4.37           |    |
| 10-3    | S54507001 | 1    | オリイタサエイタ        | FEED PLATE SUPPORT           |    |
| 10-4    | 018680822 | 2    | アホホ 4.37X8      | BOLT, SOCKET SM4.37X8        |    |
| 10-5    | S54508001 | 1    | オリウテサエイタ-5      | FEED ARM SUPPORT, -5         |    |
| 10-6    | S54509000 | 1    | リニアブッシュ 9.53    | LINEAR BUSH, 9.53            |    |
| 10-7    | S54510001 | 1    | リニアブッシュ止め       | STOPPER PLATE, L-BUSH        |    |
| 10-8    | 062680612 | 1    | ナホコ 4.37-40X6   | SCREW, PAN SM4.37-40X6       |    |
| 10-9    | S54511001 | 1    | オリアンナイン A-5     | SHAFT, A-5 ; F-GUIDE         |    |
| 10-10   | S54512001 | 1    | オリアンナイン B-5     | SHAFT, B-5 ; F-GUIDE         |    |
| 10-11   | S54513001 | 2    | タマシクウケトメ        | STOPPER PLATE, B ; B-BEARING |    |
| 10-12   | S54514101 | 1    | ヌツカミ 70         | WORK CLAMP ASSY, 70          |    |
| 10-12-1 | S54515001 | 1    | ヌツカミ 70         | WORK CLAMP, 70               |    |
| 10-12-2 | 159926001 | 1    | ヌツカミサエピン L      | PIN, L                       |    |
| 10-12-3 | 107401001 | 2    | ヌツカミサエピン        | SPRING, PLATE                |    |
| 10-12-4 | 107404001 | 2    | シメネシ 1.98       | SCREW, SM1.98-64X2           |    |
| 10-12-5 | S54987001 | 1    | ヌツカミサエピン F      | PIN, F                       |    |
| 10-12-6 | S54516101 | 1    | ヌツカミサエ          | WORK CLAMP HOLDER            |    |
| 10-13   | S54517000 | 1    | フィンガード 70       | FINGER GUARD, 70             |    |
| 10-14   | S54520001 | 1    | ハサミモット          | STOP PLATE, B                |    |
| 10-15   | S54521001 | 1    | ハサミモット          | BACK PLATE, B                |    |
| 10-16   | S54522001 | 1    | ハリイタ 1.4-50     | NEEDLE PLATE, 1.4-50         |    |
| 10-17   | S50215101 | 1    | オリセンササエイタ       | SUPPORT PLATE, FEED SENSOR   |    |
| 10-18   | 228475000 | 1    | ケツクバンド 1.9X80   | FASTENING BAND, 1.9X80       |    |
| 10-19   | S13597101 | 1    | テアゲージ -5/BAS    | GAUGE, -5/BAS                |    |
|         |           |      | <国内用>           |                              |    |
| 11      | S58988001 | 1    | プログラマセット A1     | PROGRAMMER SET, A1           |    |
|         |           |      | <輸出用>           | <For export>                 |    |
| 11      | S58989001 | 1    | プログラマセット A2     | PROGRAMMER SET, A2           |    |
| 11-1    | S58971001 | 1    | プログラマキット A      | PROGRAMMER ASSY, A           |    |
| 11-1-1  | S43250100 | 1    | プログラマキット上       | TOP COVER, PROGRAMMER        |    |
| 11-1-2  | S43251000 | 1    | プログラマキット下       | LOWER COVER, PROGRAMMER      |    |
| 11-1-3  | S43252000 | 1    | キーボードスペーサ       | SPACER, KEYBOARD             |    |
| 11-1-4  | S43253000 | 1    | キーボードゴムシート      | RUBBER SHEET, KEYBOARD       |    |
| 11-1-5  | S58972000 | 1    | キーボードシート        | KEYBOARD SHEET               |    |
| 11-1-6  | 037301015 | 4    | Vナハタピン 3X10     | TAPPING SCREW, PAN V M3X10   |    |
| 11-1-7  | S43255000 | 1    | LCDカバー          | LCD COVER                    |    |
| 11-1-8  | S43256000 | 1    | LCD             | LCD                          |    |
| 11-1-9  | S43257000 | 1    | LCDインバータ        | INVERTER, LCD                |    |
| 11-1-10 | 037200615 | 4    | Vナハタピン 2X6      | TAPPING SCREW, PAN V M2X6    |    |
| 11-1-11 | S43271000 | 1    | プログラママグネット A    | MAGNET, A                    |    |
| 11-1-12 | S43272000 | 1    | プログラママグネット B    | MAGNET, B                    |    |
| 11-1-13 | 037300615 | 6    | Vナハタピン 3X6      | TAPPING SCREW, PAN V M3X6    |    |
| 11-1-14 | S43267000 | 1    | プログラマコード        | PROGRAMMER HARNESS           |    |
| 11-1-15 | S43268000 | 1    | インバータハーネス       | INVERTER HARNESS             |    |
| 11-1-16 | S43270000 | 1    | コードブッシュ KR51    | CORD BUSH, KR51              |    |
| 11-1-17 | S43981000 | 2    | プログラマキット下       | UNDER COVER, PROGRAMMER      |    |
| 11-1-18 | S58978001 | 1    | プログラマキット A      | PROGRAMMER PCB ASSY, A       |    |
| 11-1-19 | S58973000 | 1    | PROMプログラマキット    | PROM PROGRAMMER ASSY         |    |
| 11-2    | S42890001 | 1    | プログラマサエ         | PROGRAMMER SUPPORT           |    |
| 11-3    | 032422003 | 2    | 丸ネジ 4.1X20      | WOOD SCREW, ROUND M4.1X20    |    |
| 11-4    | 0B1351606 | 2    | 丸ネジ 3.5X16      | WOOD SCREW, FLAT M3.5X16     |    |
| 12      | S40621000 | 1    | EMIコア ESD-SR-15 | EMI CORE, ESD-SR-15          |    |
| 13      | 149809000 | 1    | タイラップ L         | BEAD BAND, L=200             |    |

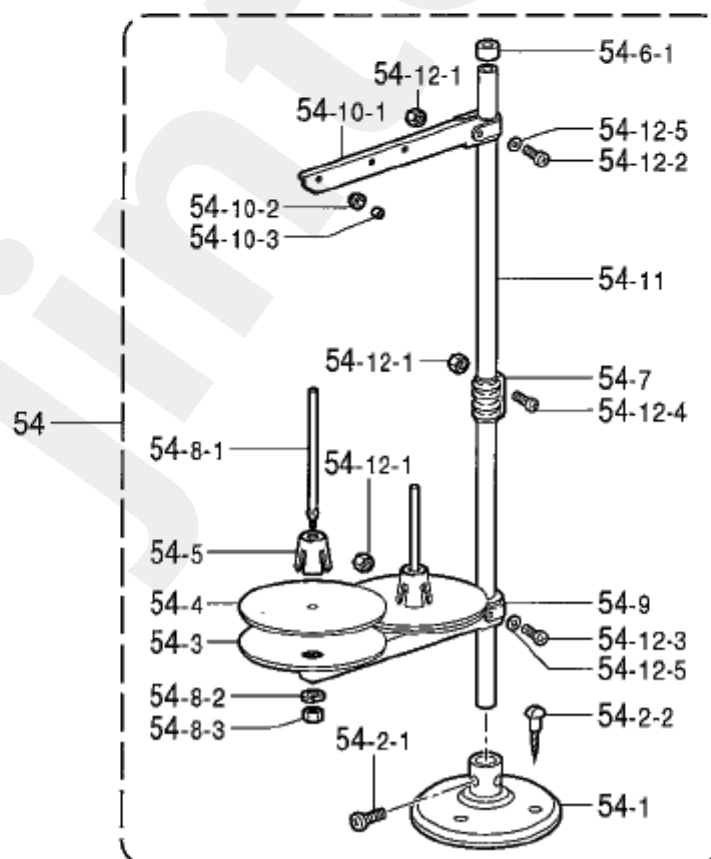


| REF.NO | CODE      | Q'TY | ヒンメイ            | NAME OF PARTS                 | RM |
|--------|-----------|------|-----------------|-------------------------------|----|
| 1      | J80863001 | 1    | EHモータ240V/400V  | MOTOR ASSY, EH 240V/400W      |    |
| 1-2    | -----     | 1    | ロータミINV         | ROTOR ASSY, INV               |    |
| 1-3    | 076202801 | 2    | タミシクウケ6202ZZ    | BALL BEARING, 6202ZZ          |    |
| 1-4    | -----     | 1    | スタキセンクミINV#2    | STATOR ASSY, INV-#2           |    |
| 1-5    | -----     | 1    | モータフ'ラケツトINV#3M | MOTOR BRACKET, INV-#3M        |    |
| 1-6    | -----     | 1    | モータフ'ラケツトINV#3E | MOTOR BRACKET, INV-#3E        |    |
| 1-7    | 203684001 | 11   | ナミ703X27.5X34.9 | WASHER WAVE M 0.3X27.5X34.9   |    |
| 1-8    | J02537001 | 4    | 6カクサ'クミ5X110DB  | BOLT, HEX (S/P WASHER) M5X110 |    |
| 1-9    | -----     | 1    | モータメイハ'ンINV     | NAME PLATE, MOTOR-INV         |    |
| 1-10   | J02525001 | 1    | モータファンINV       | MOTOR FAN, INV                |    |
| 1-11   | 014500632 | 1    | アナクホ'ミM5X6      | SET SCREW, SOCKET (CP) M5X6   |    |
| 1-12   | J02278001 | 1    | プ'ーリQ90         | PULLEY, Q90                   |    |
| 1-13   | 216205000 | 1    | ハンケ'ツキ4X13#2    | KEY, 4X13#2                   |    |
| 1-14   | 028100246 | 1    | ハ'ネサ'カ'ネ2-10    | WASHER, SPRING 2-10           |    |
| 1-15   | J02493001 | 1    | 3シュナツトM10X1.0   | NUT, 3M10X1.0                 |    |
| 1-16   | J03457001 | 4    | ナハ'コセツト5X20DC   | SCREW, PAN (S/P WASHER) M5X20 |    |
| 1-17   | J02989001 | 4    | カラ-D5.1XT0.6XL9 | COLLOR, D51XT0.6XL9           |    |
| 1-18   | J02991001 | 4    | ホ'ウシ'コ'ΔINV     | RUBBER CUSHION, INV           |    |
| 1-19   | J02990001 | 1    | モータア'スコ'ト'クミ    | GROUND WIRE ASSY, MOTOR       |    |
| 1-20   | 229017001 | 1    | ナハ'セツト4X10DA    | SCREW, PAN (S/P WASHER) M4X10 |    |
| 2      | J00107001 | 1    | MD806コティタ'イ#2   | BASE, MD806#2                 |    |
| 3      | J02517001 | 1    | ピン9.9X116       | PIN, 9.9X116                  |    |
| 4      | J03275001 | 1    | ボルト'タ'ルト10ミ-V   | BOLT ASSY, LM10-V             |    |
| 5      | 021100206 | 1    | 2シュナツト10        | NUT, 2M10                     |    |
| 6      | 025100236 | 2    | ヒラサ'カ'ネチウ10     | WASHER, PLAIN M 10            |    |
| 7      | 028100246 | 1    | ハ'ネサ'カ'ネ2-10    | WASHER, SPRING 2-10           |    |
| 8      | J03410001 | 1    | EZモータリツケイタ      | SETTING PLATE, EZ-MOTOR       |    |
| 9      | 062401063 | 1    | ナハ'コ4X10        | SCREW, PAN M4X10              |    |
| 10     | 028040245 | 1    | ハ'ネサ'カ'ネ2-4     | WASHER, SPRING 2-4            |    |
| 11     | 025040173 | 1    | ヒラサ'カ'ネチウ4      | WASHER, PLAIN S 4             |    |
| 12     | -----     | 1    | メイハ'ンモータEH      | NAME PLATE, EH                |    |
| 13     | 002401006 | 1    | ナハ'コ4X10        | SCREW, PAN M4X10              |    |
| 14     | 229017001 | 1    | ナハ'セツト4X10DA    | SCREW, PAN (S/P WASHER) M4X10 |    |



Z1 . 付属品関係 / Accessories

118-H80(137-611)



118-H80-910

## AA.カバー関係 / Safety cover

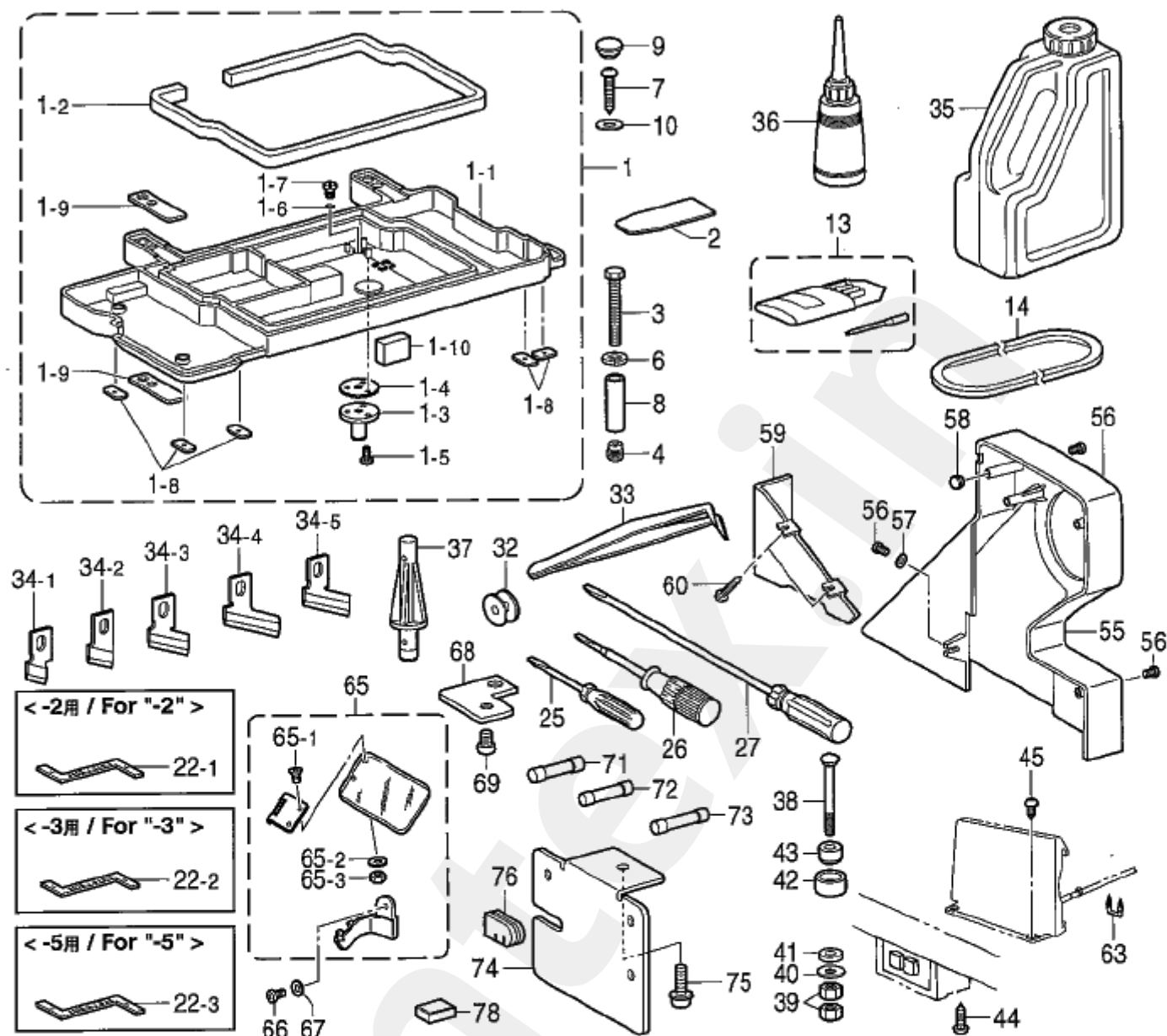
| REF.NO | CODE      | Q'TY | ヒンメイ       | NAME OF PARTS                 | RM |
|--------|-----------|------|------------|-------------------------------|----|
| 1      | J02513001 | 1    | モータカバー-INV | MOTOR COVER, INV              |    |
| 2      | J00494001 | 3    | ナット4X14DA  | SCREW, PAN (S/P WASHER) M4X14 |    |
| 3      | J02515001 | 1    | ベルトカバー-INV | BELT COVER ASSY, INV          |    |
| 4      | 224508001 | 1    | ナット4X10DC  | SCREW, PAN (S WASHER) M4X10   |    |
| 5      | 217071001 | 1    | ナット4X18DA  | SCREW, PAN (S/P WASHER) M4X18 |    |
| 6      | J02516001 | 1    | ベルトカバー-INV | BELT COVER, SUB INV           |    |
| 7      | 224508001 | 2    | ナット4X10DC  | SCREW, PAN (S WASHER) M4X10   |    |
| 8      | J02293001 | 1    | 指保護棒       | FINGER PROTECTION BAR         |    |
| 9      | 224508001 | 1    | ナット4X10DC  | SCREW, PAN (S WASHER) M4X10   |    |
| 10     | J00351001 | 1    | ベルトホルダー2   | BELT HOLDER, 2                |    |
| 11     | 224508001 | 1    | ナット4X10DC  | SCREW, PAN (S WASHER) M4X10   |    |

118-H80(137-611)

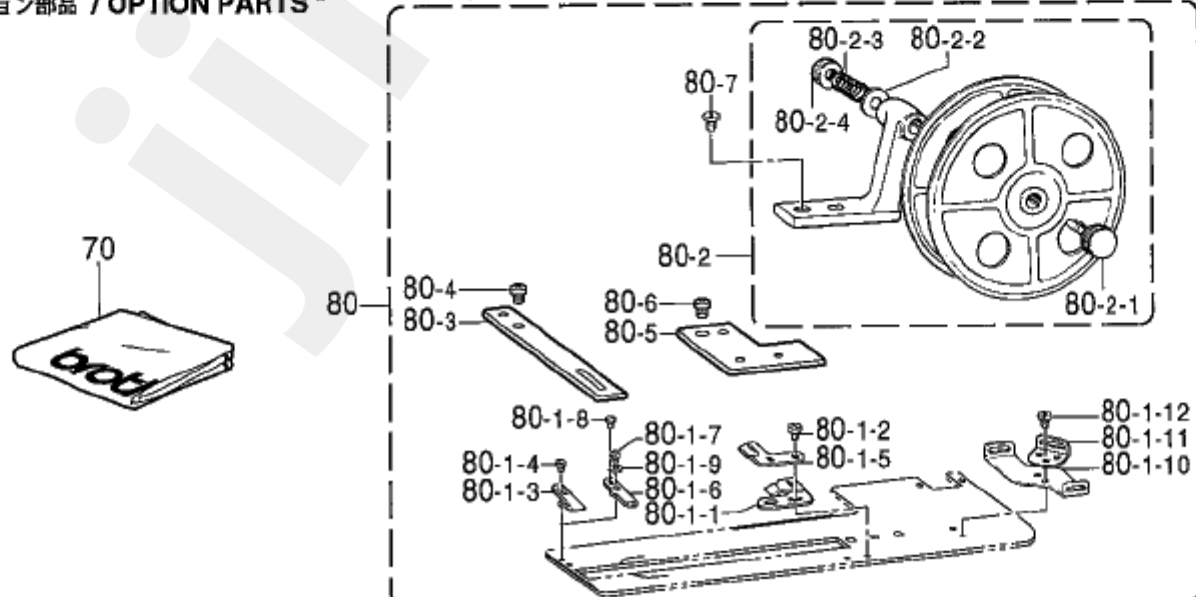
## Z1. 付属品関係 / Accessories

| REF.NO  | CODE      | Q'TY | ヒンメイ                 | NAME OF PARTS               | RM |
|---------|-----------|------|----------------------|-----------------------------|----|
| 54      | S02761309 | 1    | コットンスタンド             | COTTON STAND ASSY, 2        |    |
| 54-1    | 150189109 | 1    | ブラケット                | COTTON STAND BRACKET        |    |
| 54-2    | S02773001 | 1    | ブラケットネジセット           | C-STAND BRACKET & SCREW SET |    |
| 54-2-1  | 062060806 | 2    | ナットM6X8              | SCREW, PAN M6X8             |    |
| 54-2-2  | 031452206 | 3    | 丸木ネジM4.5X22          | WOOD SCREW, ROUND M4.5X22   |    |
| 54-3    | S51283001 | 2    | スプール                 | SPOOL STAND BASE            |    |
| 54-4    | 150182000 | 2    | スプールマット              | SPOOL MAT                   |    |
| 54-5    | S51282001 | 2    | スプールクッション            | SPOOL CUSHION               |    |
| 54-6    | S40639001 | 1    | コラムパイプキャップ           | COLUMN PIPE W/CAP           |    |
| 54-6-1  | 150174000 | 1    | コラムキャップ              | COLUMN CAP                  |    |
| 54-7    | 150173003 | 1    | コラムジョイント             | COLUMN JOINT                |    |
| 54-8    | S21798001 | 2    | スプールネジセット            | SPOOL & SCREW SET           |    |
| 54-8-1  | 150179002 | 2    | スプールシャフト             | SPOOL SHAFT, B              |    |
| 54-8-2  | 028050246 | 2    | ワッシャー、スプリング2-5       | WASHER, SPRING 2-5          |    |
| 54-8-3  | 021500106 | 2    | ナットM5                | NUT, 1 M5                   |    |
| 54-9    | S02778002 | 1    | スプールホルダー2            | SPOOL HOLDER, 2             |    |
| 54-10   | S02786002 | 1    | スレッドハンガーアッシー2        | THREAD HANGER ASSY, 2       |    |
| 54-10-1 | S02787002 | 1    | スレッドハンガー2            | THREAD HANGER, 2            |    |
| 54-10-2 | 150183000 | 2    | スレッドハンガーベース          | THREAD HANGER BASE          |    |
| 54-10-3 | 142990001 | 2    | スレッドブッシュ             | THREAD BUSH                 |    |
| 54-11   | 150172003 | 1    | コラムパイプ               | COLUMN PIPE                 |    |
| 54-12   | S40641001 | 1    | スプールシャフト & スクリューセットA | SPOOL SHAFT & SCREW SET, A  |    |
| 54-12-1 | 021500106 | 4    | ナットM5                | NUT, 1 M5                   |    |
| 54-12-2 | 062501406 | 1    | ナットM5X14             | SCREW, PAN M5X14            |    |
| 54-12-3 | 062501406 | 1    | ナットM5X14             | SCREW, PAN M5X14            |    |
| 54-12-4 | 062501406 | 2    | ナットM5X14             | SCREW, PAN M5X14            |    |
| 54-12-5 | 026050136 | 2    | ワッシャー、平型S5           | WASHER, PLAIN S 5           |    |

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" オプション部品 / OPTION PARTS "



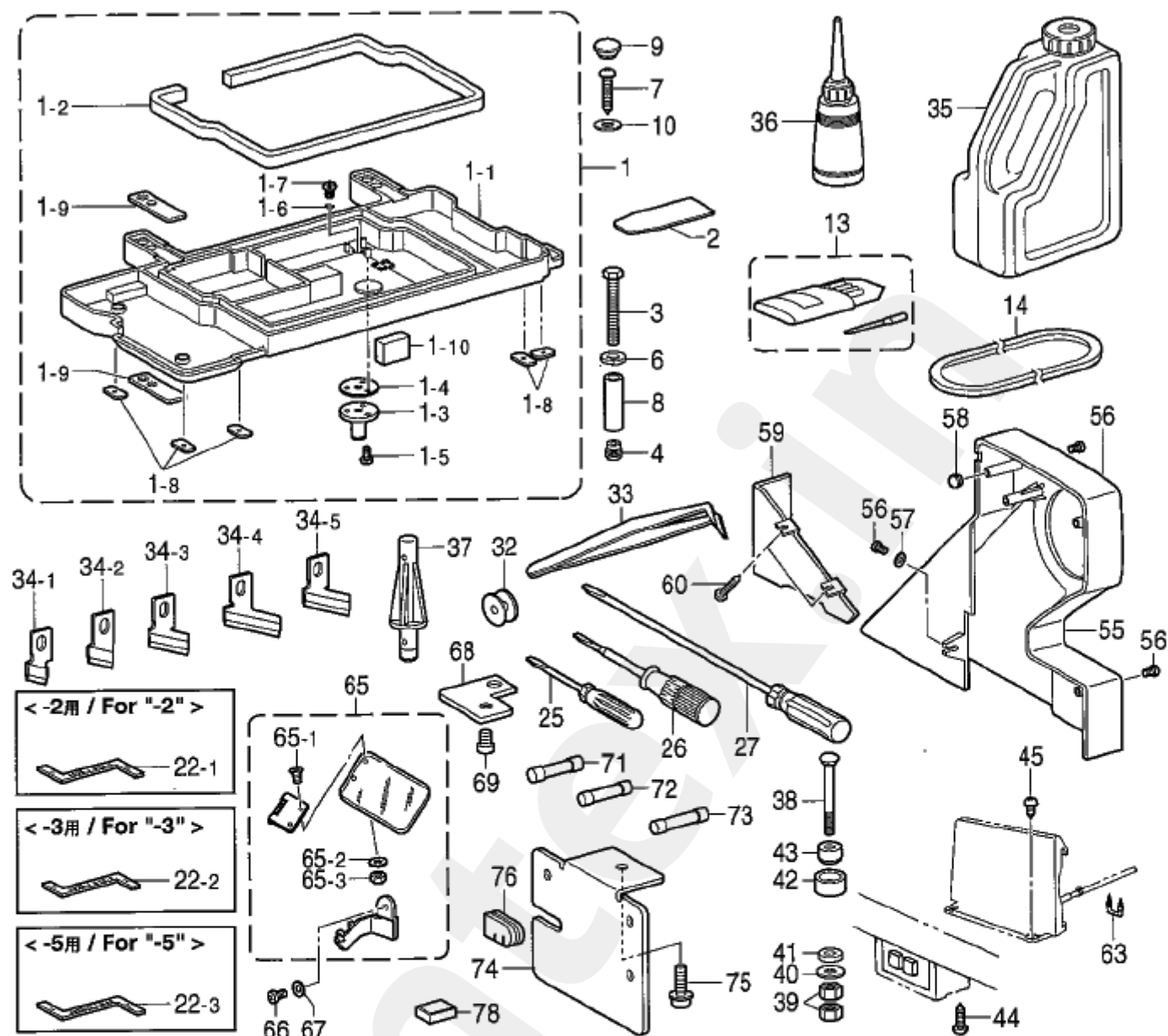
## Z2. 付属品関係 / Accessories

| REF.NO | CODE      | Q'TY | ヒンメイ                   | NAME OF PARTS                     | RM |
|--------|-----------|------|------------------------|-----------------------------------|----|
| 1      | S50330101 | 1    | ベッドベース                 | BED BASE ASSY                     |    |
| 1-1    | S50331000 | 1    | ベッドベース                 | BED BASE                          |    |
| 1-2    | S50332000 | 1    | オイルパッキング               | OIL PACKING                       |    |
| 1-3    | S54768001 | 1    | ドレンプレート                | DRAIN PLATE                       |    |
| 1-4    | S50334000 | 1    | パッキング                  | PACKING                           |    |
| 1-5    | 037401415 | 3    | タッピングネジ M4X14          | TAPPING SCREW, PAN V M4X14        |    |
| 1-6    | 081007070 | 1    | Oリング P7                | O RING, P7                        |    |
| 1-7    | 140518001 | 1    | ネジ SM7.94              | SCREW, SM7.94X10                  |    |
| 1-8    | S50335000 | 5    | ベッドベースクッションA           | BED BASE CUSHION, A               |    |
| 1-9    | S50336000 | 4    | ベッドベースクッションB           | BED BASE CUSHION, B               |    |
| 1-10   | S50337000 | 2    | ベッドベースクッションC           | BED BASE CUSHION, C               |    |
| 2      | S50338000 | 1    | オイルストッププレート            | OIL STOPPER PLATE                 |    |
|        |           |      | <ベッド台取付用>              | <For setting the bed base assy>   |    |
| 3      | S24250001 | 4    | ボルト M8X90              | BOLT, M8X90                       |    |
| 4      | S50342000 | 4    | ナット M8                 | NUT, FLANGE M8                    |    |
| 6      | 028080246 | 4    | ワッシャー、スプリング 2-8        | WASHER, SPRING 2-8                |    |
| 7      | 101118001 | 3    | 丸頭ネジ 4.5X20            | WOOD SCREW, ROUND M4.5X20         |    |
| 8      | S50339001 | 4    | ベッドベースカラー              | COLLAR                            |    |
| 9      | 104449001 | 2    | ゴムキャップ 15.5            | RUBBER CAP, 15.5                  |    |
| 10     | 025050236 | 3    | ワッシャー、平 M 5            | WASHER, PLAIN M 5                 |    |
|        |           |      | <国内-2、-3用>             | <For "-2 & -3">                   |    |
| 13     | S50180475 | 1    | ミシンノミ 134クミ <#11 NM75> | NEEDLE ASSY, NM75..... <#11 NM75> |    |
|        |           |      | <輸出-2、-5用>             | <For "-2 & -5">                   |    |
| 13     | S50180490 | 1    | ミシンノミ 134クミ <#14 NM90> | NEEDLE ASSY, NM90..... <#14 NM90> |    |
| 14     | S18707153 | 1    | ベルト M50                | BELT, VM WHITE                    |    |
|        |           |      | <-2用>                  | <For "-2">                        |    |
| 22-1   | S13595101 | 1    | ゲージ、-2                 | GAUGE, -2                         |    |
|        |           |      | <-3用>                  | <For "-3">                        |    |
| 22-2   | S13596101 | 1    | ゲージ、-3                 | GAUGE, -3                         |    |
|        |           |      | <-5用>                  | <For "-5">                        |    |
| 22-3   | S13597101 | 1    | ゲージ、-5/BAS             | GAUGE, -5/BAS                     |    |
| 25     | 142443001 | 1    | ネジ マシン 1.9X52          | SCREW DRIVER, 1.9X52              |    |
| 26     | 118837001 | 1    | ネジ マシン 3.4X70          | SCREW DRIVER, 3.4X70              |    |
| 27     | 101572101 | 1    | ネジ マシン 5.5X190         | SCREW DRIVER, 5.5X190             |    |
| 32     | 159158051 | 1    | ボビン                    | BOBBIN                            |    |
| 33     | 117466000 | 1    | ピンセット                  | PINCETTE                          |    |
| 34-1   | S51290001 | 1    | カッター 3/8               | CUTTER, 3/8                       |    |
| 34-2   | S51354001 | 1    | カッター 5/8               | CUTTER, 5/8                       |    |
| 34-3   | S51358001 | 1    | カッター 1                 | CUTTER, 1                         |    |
| 34-4   | S51360001 | 1    | カッター 32                | CUTTER, 32                        |    |
| 34-5   | S51359001 | 1    | カッター 29                | CUTTER, 29                        |    |
| 35     | S55663001 | 1    | オイルタンク                 | OIL TANK ASSY                     |    |
| 36     | 114483002 | 1    | オイルクーラー                | OILER ASSY                        |    |
| 37     | 159384009 | 1    | ヘッドレスト                 | HEAD REST                         |    |
|        |           |      | <コントロールボックス取付用>        | <For setting the Control box>     |    |
| 38     | 133740006 | 4    | 六角ボルト M6X70            | BOLT, SQUARE M6X70                |    |
| 39     | 021060106 | 8    | ナット M6                 | NUT, 1 M6                         |    |
| 40     | 025060336 | 4    | ワッシャー、平 L 6            | WASHER, PLAIN L 6                 |    |
| 41     | S00617000 | 4    | ゴムシム                   | RUBBER COLLAR                     |    |
| 42     | 146256001 | 4    | クッションカラー               | CUSHION COLLAR                    |    |
| 43     | 146255000 | 4    | クッション                  | CUSHION                           |    |

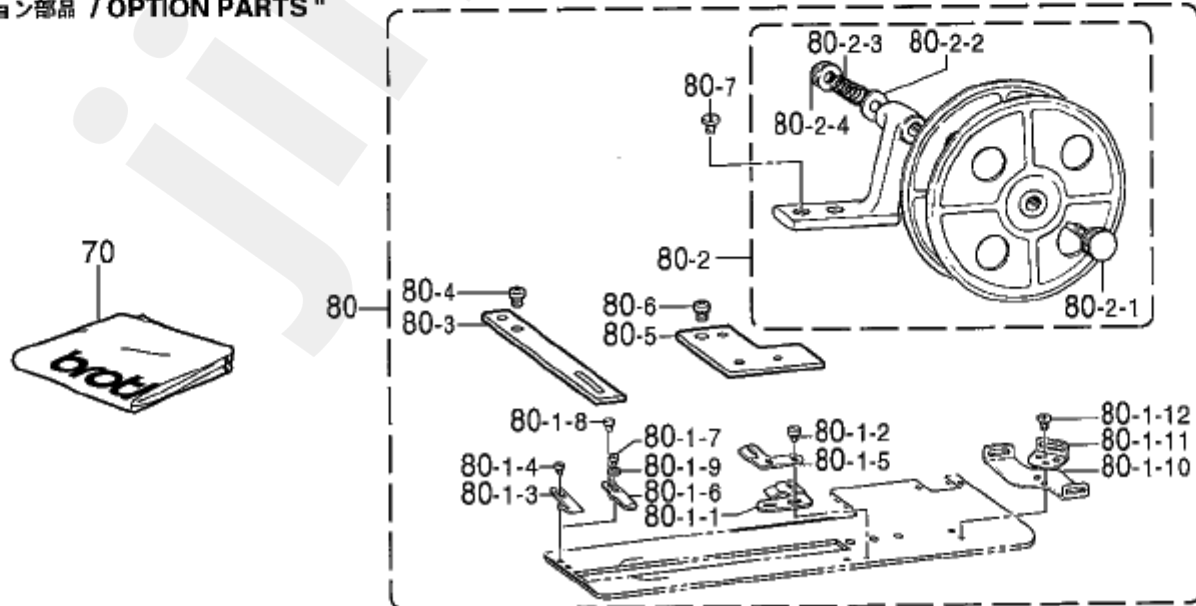
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付属品の明細は変更することがあります。

The details of included accessories are subject to change.



" オプション部品 / OPTION PARTS "

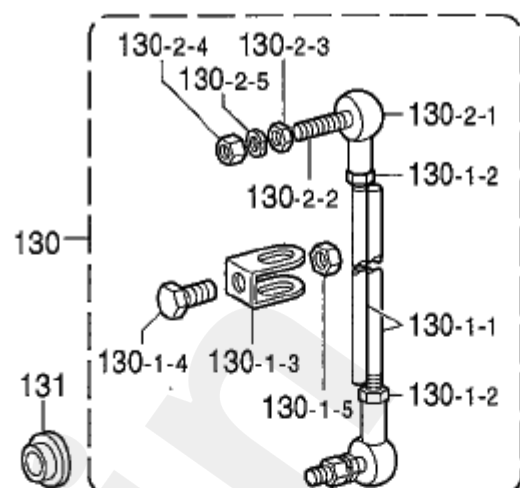
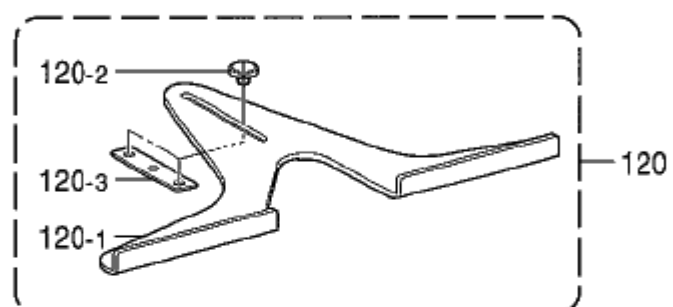
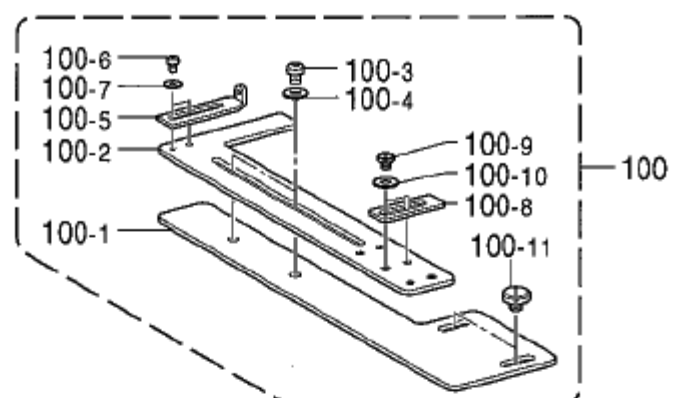


| REF.NO  | CODE      | Q'TY | ヒンメイ                           | NAME OF PARTS                                                      | RM |
|---------|-----------|------|--------------------------------|--------------------------------------------------------------------|----|
| 44      | 032461606 | 2    | <電源スイッチ取付用><br>+7mmモリネジ 4.5X16 | <For setting the Power supply switch><br>WOOD SCREW, ROUND M4.5X16 |    |
| 45      | 032422505 | 4    | <操作パネル取付用><br>+7mmモリネジ 4.1X25  | <For setting the Opreation panel><br>WOOD SCREW, ROUND M4.1X25     |    |
| 55      | S50343000 | 1    | ベルトカバー                         | BELT COVER                                                         |    |
| 56      | 062401006 | 3    | ナット M4X10                      | SCREW, PAN M4X10                                                   |    |
| 57      | 025040236 | 1    | ワッシャー カネチユウ4                   | WASHER, PLAIN M 4                                                  |    |
| 58      | 104450101 | 2    | ゴムセン8                          | RUBBER CAP, 8                                                      |    |
| 59      | S50344001 | 1    | ベルトカバー板                        | PLATE, BELT COVER                                                  |    |
| 60      | 032461606 | 2    | +7mmモリネジ 4.5X16                | WOOD SCREW, ROUND M4.5X16                                          |    |
| 63      | 200190001 | 6    | ステープル                          | STAPLE                                                             |    |
| 65      | S37111001 | 1    | アイガードアッセンブリ                    | EYE GUARD ASSY                                                     |    |
| 65-1    | S01700001 | 2    | マルサネネジ 3.18X7                  | SCREW, FLAT SM3.18X7                                               |    |
| 65-2    | 025030232 | 2    | ワッシャー カネチユウ3                   | WASHER, PLAIN M 3                                                  |    |
| 65-3    | 021660102 | 2    | ナット 1/2 3.18                   | NUT, 1 SM3.18                                                      |    |
| 66      | 062710612 | 1    | ナット M4.76-32X6                 | SCREW, PAN SM4.76-32X6                                             |    |
| 67      | 148847001 | 1    | ワッシャー                          | WASHER, PLAIN 4.76                                                 |    |
| 68      | S50345001 | 1    | アイガードサポーター                     | EYE GUARD SUPPORT                                                  |    |
| 69      | 062680812 | 1    | ナット M4.37-40X8                 | SCREW, PAN SM4.37-40X8                                             |    |
| 71      | 218469001 | 2    | カネチユウ 15A#2                    | FUSE                                                               |    |
| 72      | S08030000 | 1    | ヒューズ 5AFB                      | FUSE, 5A :FB                                                       |    |
| 73      | 153242000 | 2    | ヒューズ 6A                        | FUSE, 6A                                                           |    |
| 74      | J03411001 | 1    | EZフミミトリツケイタ                    | SETTING PLATE, EZ-TREADLE                                          |    |
| 75      | J00353001 | 3    | +ナット 5X14DB                    | SCREW, PAN (S/P WASHER) M5X14                                      |    |
| 76      | J02036001 | 1    | テクトコートブッシングV                   | BUSHING, V CORD                                                    |    |
| 78      | 112525000 | 1    | シユウジンマグネット                     | MAGNET                                                             |    |
| 70      | 144226001 | 1    | "オプション部品"                      | "OPTION PARTS"                                                     |    |
| 80      | S50346001 | 1    | テープガードヘッドカバー                   | TAPE GUARD WINDER ASSY                                             |    |
| 80-1    | S51896001 | 1    | テープガードアッセンブリ                   | TAPE GUARD ASSY                                                    |    |
| 80-1-1  | 144998001 | 1    | テープガード B                       | TAPE GUARD, B                                                      |    |
| 80-1-2  | 105288002 | 2    | シメネジ 2.38                      | SCREW, SM2.38                                                      |    |
| 80-1-3  | 144997001 | 1    | テープガード F                       | TAPE GUARD, F                                                      |    |
| 80-1-4  | 122771051 | 2    | シメネジ 2.38                      | SCREW, SM2.38                                                      |    |
| 80-1-5  | 144999001 | 1    | テープガイド C                       | TAPE GUIDE, C                                                      |    |
| 80-1-6  | 144628001 | 1    | テープガード F                       | TAPE GUARD, F                                                      |    |
| 80-1-7  | 122771051 | 1    | シメネジ 2.38                      | SCREW, SM2.38                                                      |    |
| 80-1-8  | 105970001 | 1    | シメネジ 2.38                      | SCREW, SM2.38                                                      |    |
| 80-1-9  | 110067001 | 1    | カラー                            | COLLAR                                                             |    |
| 80-1-10 | 143749001 | 1    | テープガイド 下                       | TAPE GUIDE, LOWER                                                  |    |
| 80-1-11 | 143748001 | 1    | テープガイド 上                       | TAPE GUIDE, UPPER                                                  |    |
| 80-1-12 | 062660412 | 2    | ナット M3.18-40X4                 | SCREW, PAN SM3.18-40X4                                             |    |
| 80-2    | 143767102 | 1    | テープワインダー                       | TAPE WINDER ASSY                                                   |    |
| 80-2-1  | 143980001 | 1    | ツマミネジ                          | SCREW                                                              |    |
| 80-2-2  | 108494001 | 1    | ワッシャー                          | WASHER                                                             |    |
| 80-2-3  | 108495001 | 1    | テープワインダーコイルバネ                  | SPRING, COMPRESSION                                                |    |
| 80-2-4  | 100136001 | 1    | イボチヨウシナット                      | NUT, TENSION                                                       |    |
| 80-3    | S50348001 | 1    | テープガイド U                       | TAPE GUIDE, U                                                      |    |
| 80-4    | 062400812 | 1    | ナット M4X8                       | SCREW, PAN M4X8                                                    |    |
| 80-5    | S50349001 | 1    | テープワインダーリツケイタ                  | TAPE WINDER SETTING PLATE                                          |    |
| 80-6    | 062400812 | 1    | ナット M4X8                       | SCREW, PAN M4X8                                                    |    |
| 80-7    | 107407003 | 2    | シメネジ 4.37                      | SCREW, SM4.37X9                                                    |    |

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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.



118-H80-910

Z3. 付属品関係 (オプションパーツ) / Accessories (Option parts)

| REF.NO  | CODE      | QTY | ヒンメイ          | NAME OF PARTS              | RM |
|---------|-----------|-----|---------------|----------------------------|----|
| 100     | S50477001 | 1   | ジヨウキクミ        | RULER ASSY                 |    |
| 100-1   | S06139001 | 1   | ジヨウキ A        | RULER, A                   |    |
| 100-2   | S06140001 | 1   | ジヨウキ B        | RULER, B                   |    |
| 100-3   | 062680512 | 2   | ナハコ37-40X5    | SCREW, PAN SM4.37-40X5     |    |
| 100-4   | 025680232 | 2   | ヒラサカネチヨウ4.37  | WASHER, PLAIN M 4.37       |    |
| 100-5   | 146000001 | 1   | ハサミサエ         | THREAD TRIMMER SUPPORT     |    |
| 100-6   | 062670412 | 2   | ナハコ357-40X4   | SCREW, PAN SM3.57-40X4     |    |
| 100-7   | 105161003 | 2   | サカネ           | WASHER                     |    |
| 100-8   | 141620001 | 1   | ホウシイタハランス     | BALANCER                   |    |
| 100-9   | 101671002 | 2   | シメネジ 4.37     | SCREW, SM4.37              |    |
| 100-10  | 025680132 | 2   | ヒラサカネシヨウ4.37  | WASHER, PLAIN S 4.37       |    |
| 100-11  | S36522001 | 2   | シメネジ 4.37     | SCREW, SM4.37              |    |
| 120     | S50350001 | 1   | ジヨウキクミ800E    | RULER ASSY, 800E           |    |
| 120-1   | S50476001 | 1   | ヨコシヨウキ        | RULER                      |    |
| 120-2   | S36522001 | 2   | シメネジ 4.37     | SCREW, SM4.37              |    |
| 120-3   | S50351001 | 1   | ヨコシヨウキスヘーサー   | RULER SPACER               |    |
| 130     | 133797101 | 1   | レンゲツカンクミ      | CONNECTING ROD ASSY, L=210 |    |
| 130-1   | 119710001 | 1   | レンカン クミ       | CONNECTING ROD ASSY        |    |
| 130-1-1 | 119711001 | 2   | レンカン          | CONNECTING ROD             |    |
| 130-1-2 | 021060106 | 2   | 1シユナツト6       | NUT, 1 M6                  |    |
| 130-1-3 | 119101001 | 1   | レンカンタキ        | CONNECTING ROD CLAMP       |    |
| 130-1-4 | 017841606 | 1   | 6カクホルト7.94-18 | BOLT, SM7.94-18            |    |
| 130-1-5 | 133643006 | 1   | 6カクナツト7.94-18 | NUT, SM7.94-18             |    |
| 130-2   | 133792101 | 2   | シヨイントクミ       | JOINT ASSY                 |    |
| 130-2-1 | 133793001 | 2   | スタツト          | STUD                       |    |
| 130-2-2 | 133794001 | 2   | ボディ           | BODY                       |    |
| 130-2-3 | 133795001 | 2   | リング           | RING                       |    |
| 130-2-4 | 021060106 | 2   | 1シユナツト6       | NUT, 1 M6                  |    |
| 130-2-5 | 028060243 | 2   | ハネサカネ2-6      | WASHER, SPRING 2-6         |    |
| 131     | 114859001 | 1   | レンカンカラー       | COLLAR                     |    |
| 150     | S54767000 | 1   | ホシヨシート        | SHEET                      |    |
| 151     | S55361100 |     | ハネルラベルフクロイリ   | LABEL SET                  |    |

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## カッター / Cutter

|                         |                        |                         |                        |                        |                       |
|-------------------------|------------------------|-------------------------|------------------------|------------------------|-----------------------|
| S51117-001<br><br>1/4   | S51290-001<br><br>3/8  | S51351-001<br><br>7/16  | S51352-001<br><br>1/2  | S51353-001<br><br>9/16 | S51354-001<br><br>5/8 |
| S51355-001<br><br>11/16 | S51356-001<br><br>3/4  | S25642-001<br><br>13/16 | S51357-001<br><br>7/8  | S51358-001<br><br>1    |                       |
| S51359-001<br><br>29    | S51360-001<br><br>32   | 147987-001<br><br>45    |                        |                        |                       |
| 147941-001<br><br>48    | 147233-001<br><br>50   | S01271-001<br><br>3/8   | S01272-001<br><br>7/16 |                        |                       |
| S01273-001<br><br>1/2   | S03280-001<br><br>9/16 | S01274-001<br><br>5/8   | S01275-001<br><br>3/4  | S01276-001<br><br>7/8  | S35630-001<br><br>1   |

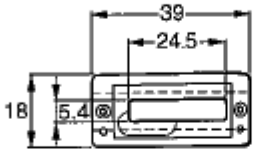
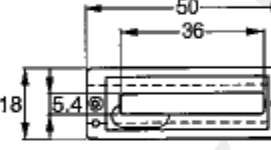
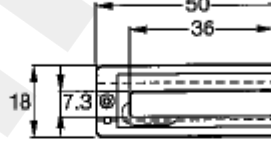
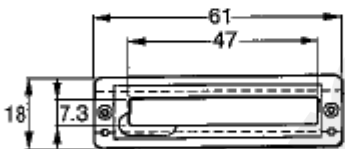
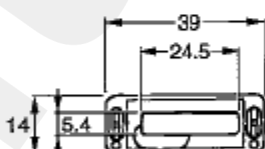
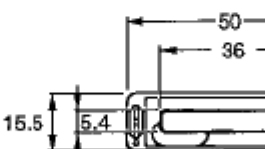
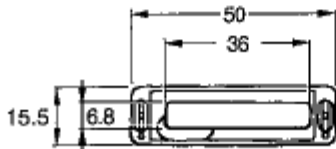
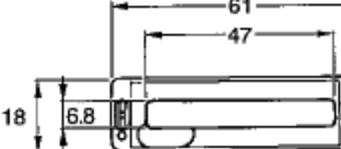
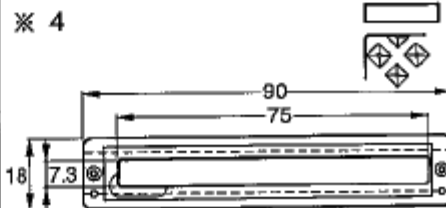
# Ga2 . ゲージ部品一覧表 / Gauge parts List

※ 1 布つかみ組 フィンガーガード付 / Work clamp assy, W/F-G

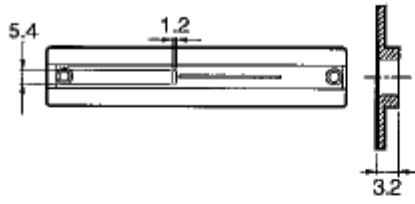
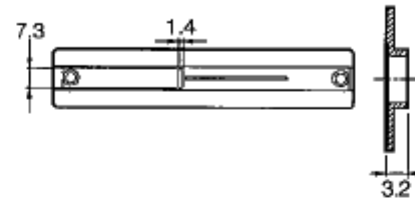
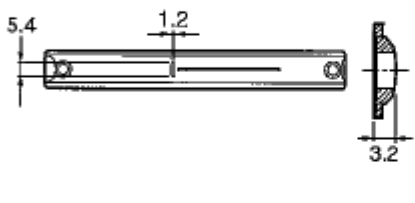
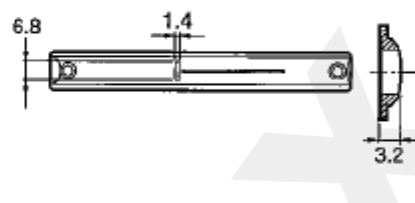
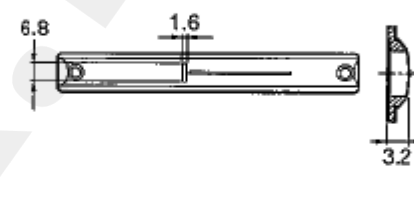
※ 2 布つかみ組 / Work clamp assy

※ 3 フィンガーガード / Finger guard

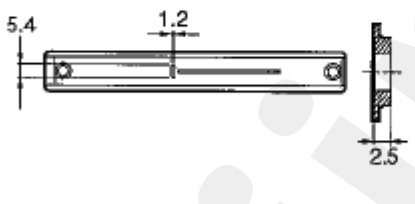
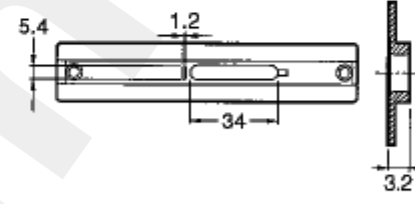
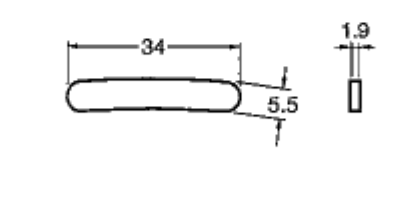
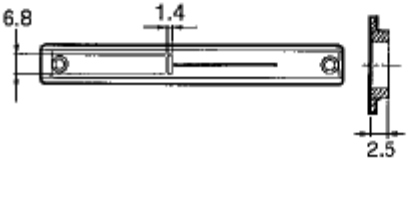
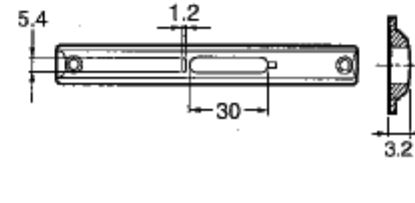
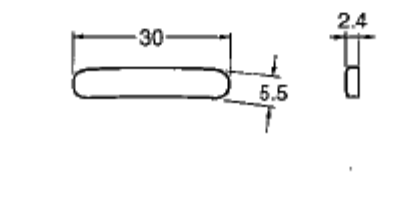
※ 4 布つかみ / Work clamp

| < -2用 / For "-2" >                                                                                           |                                                                                                              |                                                                                                              |
|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| ※ 1 S37101-102 (16mmRS)                                                                                      | ※ 1 S37100-102 (25mmRS)                                                                                      | ※ 1 S55347-002 (25mmRSW)                                                                                     |
| ※ 2 159764-202 (16mmRS)                                                                                      | ※ 2 159765-202 (25mmRS)                                                                                      | ※ 2 S55346-002 (25mmRSW)                                                                                     |
| ※ 3 159079-000                                                                                               | ※ 3 159080-000                                                                                               | ※ 3 159080-000                                                                                               |
| ※ 4 159761-002                                                                                               | ※ 4 159762-002                                                                                               | ※ 4 S55345-002                                                                                               |
| ※ 3<br>                     | ※ 3<br>                     | ※ 3<br>                   |
| ※ 4<br><br>縫製エリア 4 X 20     | ※ 4<br><br>縫製エリア 4 X 32     | ※ 4<br><br>縫製エリア 6 X 32   |
| < -2用 / For "-2" >                                                                                           |                                                                                                              | < -3用 / For "-3" >                                                                                           |
| ※ 1 S37109-102 (32mmRS)                                                                                      | ※ 1 S37103-101 (16mm)                                                                                        | ※ 1 S37102-101 (25mm)                                                                                        |
| ※ 2 159766-202 (32mmRS)                                                                                      | ※ 2 S01466-201 (16mm)                                                                                        | ※ 2 S01467-201 (25mm)                                                                                        |
| ※ 3 159081-000                                                                                               | ※ 3 159079-000                                                                                               | ※ 3 159080-000                                                                                               |
| ※ 4 159763-002                                                                                               | ※ 4 145136-001                                                                                               | ※ 4 144630-001                                                                                               |
| ※ 3<br>                   | ※ 3<br>                   | ※ 3<br>                 |
| ※ 4<br><br>縫製エリア 6 X 40   | ※ 4<br><br>縫製エリア 4 X 20   | ※ 4<br><br>縫製エリア 4 X 32 |
| < -3用 / For "-3" >                                                                                           |                                                                                                              | < -5用 / For "-5" >                                                                                           |
| ※ 1 S55350-001 (25mmW)                                                                                       | ※ 1 S37110-101 (32mm)                                                                                        | ※ 1 S54518-101                                                                                               |
| ※ 2 S55349-001 (25mmW)                                                                                       | ※ 2 S01468-201 (32mm)                                                                                        | ※ 2 S51514-101                                                                                               |
| ※ 3 159080-000                                                                                               | ※ 3 159081-000                                                                                               | ※ 3 S54517-000                                                                                               |
| ※ 4 S55348-001                                                                                               | ※ 4 144632-001                                                                                               | ※ 4 S54515-001                                                                                               |
| ※ 3<br>                   | ※ 3<br>                   | ※ 3<br>                 |
| ※ 4<br><br>縫製エリア 5.4 X 32 | ※ 4<br><br>縫製エリア 5.4 X 40 | ※ 4<br><br>縫製エリア 6 X 70 |

## 針板 / Needle plate

| < -2用 / For "-2" >                                                                |                                                                                    |                                                                                      |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| S50663-001 (1.2mmS)                                                               | S50664-001 (1.4mmS)                                                                | S50665-001 (1.6mmS)                                                                  |
|   |   |   |
| < -3用 / For "-3" >                                                                |                                                                                    |                                                                                      |
| S51248-101 (1.2mm)                                                                | S51249-101 (1.4mm)                                                                 | S51250-101 (1.6mm)                                                                   |
|  |  |  |

## 平カッター用 / For "flat cutter"

| < -5用 / For "-5" >                                                                 |  | < -2用 / For "-2" >                                                                  |                                                                                       |
|------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| S55344-001 (1.2mm)                                                                 |  | 針板 / Needle plate<br>S50321-001 (1.2mmS)                                            | カッターウケ / Plastic plate<br>151843-001                                                  |
|  |  |  |  |
| < -3用 / For "-3" >                                                                 |  | < -3用 / For "-3" >                                                                  |                                                                                       |
| S54522-001 (1.4mm)                                                                 |  | 針板 / Needle plate<br>S50322-101 (1.2mm)                                             | カッターウケ / Plastic plate<br>156612-001                                                  |
|  |  |  |  |

| 警告ラベル / Warning labels                                                              | 品名 / Name of parts        | Size(mm)      | Code       |
|-------------------------------------------------------------------------------------|---------------------------|---------------|------------|
|    | 電撃ラベル・和                   | 40 × 64       | S38353-101 |
|    | Label, elc. shock 4 lang. | 35 × 118      | S38352-101 |
|    | 操作注意ラベル・和                 | 40 × 64       | S38350-001 |
|  | Label, operation Eng.     | 40 × 64       | S38349-001 |
|  | ワーニングマーク<br>Mark, injury  | L=16<br>R=0.8 | S36924-001 |
|  | PE マーク<br>Mark, grounding | 7.5 × 12.5    | S37059-001 |
|  | アースマーク<br>Mark, grounding | φ 12          | S37060-001 |

| CODE      | REF.NO  | Page | CODE      | REF.NO  | Page | CODE      | REF.NO  | Page | CODE      | REF.NO  | Page |
|-----------|---------|------|-----------|---------|------|-----------|---------|------|-----------|---------|------|
| 002300603 | 83      | 28   | 018061622 | 34      | 38   | 025060132 | 40      | 10   | 037300615 | 11-1-13 | 64   |
|           | 29      | 58   |           | 36      | 38   | 025060232 | 14      | 6    | 037301015 | 11-1-6  | 64   |
| 002301003 | 1-1-13  | 44   | 018102536 | 12-4    | 6    |           | 3       | 14   | 037401015 | 102-4   | 48   |
| 002401006 | 13      | 66   | 018300636 | 19      | 30   |           | 2       | 22   | 037401415 | 1-5     | 70   |
| 008400604 | 1-21    | 46   | 018300836 | 24-3    | 36   | 025060236 | 50-1-9  | 50   | 047200642 | 23      | 34   |
| 012400636 | 4       | 34   | 018400822 | 9       | 10   |           | 50-2-9  | 52   | 048030342 | 1-5     | 40   |
|           | 25      | 34   | 018401022 | 4       | 14   |           | 51-1-9  | 52   | 048040342 | 26      | 34   |
| 012500536 | 26      | 14   | 018401222 | 5       | 8    |           | 51-2-9  | 54   |           | 33-4    | 38   |
| 013761410 | 25      | 4    |           | 15      | 10   |           | 51-3-9  | 54   | 048060142 | 41      | 10   |
| 014060632 | 5-2     | 14   | 018401236 | 1-26    | 47   |           | 51-4-9  | 56   |           | 35-8    | 38   |
|           | 6-2     | 14   | 018501022 | 33      | 20   | 025060336 | 40      | 70   | 048060342 | 15      | 2    |
| 014400432 | 1-3     | 30   | 018501236 | 1-9     | 46   | 025080132 | 14      | 2    |           | 26      | 10   |
| 014500632 | 1-11    | 66   | 018502022 | 48      | 16   |           | 25      | 10   |           | 26      | 20   |
| 014680622 | 22-3    | 20   | 018680522 | 27-1-5  | 14   |           | 7       | 34   |           | 71      | 32   |
|           | 33-5    | 38   |           | 27-2-5  | 18   | 025100236 | 6       | 66   |           | 8       | 34   |
| 014760622 | 16      | 2    | 018680632 | 15      | 20   | 025350132 | 6       | 26   | 048080342 | 4       | 40   |
|           | 20      | 2    | 018680822 | 12      | 14   |           | 52      | 26   | 048150142 | 1-2     | 6    |
|           | 8       | 4    |           | 40      | 14   |           | 15      | 58   | 048220242 | 19      | 6    |
|           | 11      | 4    |           | 53      | 18   |           | 22      | 58   | 048300242 | 12-6    | 6    |
|           | 13      | 4    |           | 5-5     | 62   | 025350332 | 3       | 22   | 060300612 | 6       | 8    |
|           | 9       | 6    |           | 10-4    | 64   | 025680132 | 24      | 14   | 060630312 | 30-5    | 40   |
|           | 20      | 6    | 018681022 | 27-1-4  | 14   |           | 41      | 14   | 060660416 | 21      | 14   |
|           | 8       | 8    |           | 34      | 14   |           | 16-4    | 36   | 060670412 | 31      | 40   |
|           | 10      | 8    |           | 27-2-4  | 18   |           | 35-4    | 38   | 060670512 | 49      | 12   |
|           | 13      | 8    |           | 13      | 20   |           | 35-12   | 38   |           | 7-3     | 30   |
|           | 11      | 10   |           | 35-3    | 38   |           | 7       | 44   |           | 65      | 32   |
|           | 14      | 10   |           | 35-11   | 38   |           | 100-10  | 74   |           | 67      | 32   |
|           | 22      | 10   | 018681232 | 17      | 14   | 025680232 | 18      | 36   | 060670612 | 4       | 22   |
|           | 27      | 10   |           | 29      | 20   |           | 26      | 36   |           | 16      | 26   |
|           | 29-4    | 10   | 021040105 | 30-1-8  | 50   |           | 100-4   | 74   |           | 21      | 26   |
|           | 44      | 10   |           | 30-2-8  | 50   | 025680234 | 14      | 30   |           | 78      | 28   |
|           | 15      | 14   |           | 30-3-8  | 50   | 026040236 | 17      | 34   | 062060806 | 54-2-1  | 68   |
|           | 2       | 20   | 021060106 | 39      | 70   | 026050136 | 54-12-5 | 68   | 062300502 | 20      | 30   |
|           | 24      | 20   |           | 130-1-2 | 74   | 028030246 | 24-5    | 36   | 062300806 | 1-2     | 44   |
|           | 7       | 22   |           | 130-2-4 | 74   |           | 1-26    | 60   |           | 8       | 58   |
|           | 2-2     | 22   | 021080202 | 37      | 20   | 028040245 | 10      | 66   |           | 10      | 58   |
|           | 2-1-3   | 24   | 021100206 | 5       | 66   | 028050242 | 16-1-5  | 10   |           | 12      | 58   |
|           | 2       | 30   | 021100302 | 12-5    | 6    |           | 35-6    | 38   |           | 17      | 58   |
|           | 6       | 30   | 021300206 | 24-6    | 36   | 028050246 | 1-8     | 46   |           | 25      | 58   |
|           | 2-2     | 36   |           | 1-1-14  | 44   |           | 54-8-2  | 68   | 062400612 | 11      | 22   |
|           | 5       | 40   |           | 1-25    | 60   | 028060243 | 130-2-5 | 74   |           | 13      | 22   |
|           | 12      | 40   | 021400106 | 903     | 58   | 028060246 | 50-1-10 | 50   |           | 68      | 28   |
| 014770622 | 3       | 4    |           | 906     | 58   |           | 50-2-10 | 52   |           | 71      | 28   |
|           | 7       | 4    | 021500106 | 54-8-3  | 68   |           | 51-1-10 | 52   | 062400616 | 22      | 34   |
|           | 5       | 10   |           | 54-12-1 | 68   |           | 51-2-10 | 54   | 062400806 | 2       | 8    |
|           | 21-2    | 20   | 021500312 | 35-7    | 38   |           | 51-3-10 | 54   |           | 2       | 44   |
|           | 4-2     | 22   | 021660102 | 65-3    | 72   |           | 51-4-10 | 56   | 062400812 | 80-4    | 72   |
| 014780622 | 6-2     | 6    | 021670202 | 55      | 42   | 028080242 | 36      | 20   |           | 80-6    | 72   |
|           | 10-3    | 6    | 021680202 | 19      | 2    | 028080246 | 6       | 70   | 062400816 | 14      | 34   |
|           | 4-3     | 20   |           | 16-3    | 36   | 028100246 | 1-14    | 66   |           | 16      | 34   |
|           | 28      | 34   | 021710202 | 24      | 4    |           | 7       | 66   | 062401006 | 56      | 72   |
| 017841606 | 130-1-4 | 74   | 021910302 | 11      | 20   | 028680242 | 35      | 14   | 062401063 | 9       | 66   |
| 018060831 | 50-1-8  | 50   | 025030136 | 1-27    | 60   |           | 27      | 36   | 062500602 | 50-1-5  | 50   |
|           | 50-2-8  | 52   | 025030232 | 65-2    | 72   | 031351006 | 5-3     | 62   |           | 50-2-5  | 50   |
|           | 51-1-8  | 52   | 025040132 | 30-4    | 40   | 031452206 | 54-2-2  | 68   |           | 51-1-5  | 52   |
|           | 51-2-8  | 54   |           | 34      | 40   | 032422003 | 5-6     | 62   |           | 51-2-5  | 54   |
|           | 51-3-8  | 54   | 025040173 | 11      | 66   |           | 11-3    | 64   |           | 51-3-5  | 54   |
|           | 51-4-8  | 56   | 025040232 | 52      | 12   | 032422505 | 45      | 72   |           | 51-4-5  | 56   |
| 018061022 | 13      | 6    | 025040236 | 57      | 72   | 032461606 | 44      | 72   | 062501406 | 54-12-2 | 68   |
|           | 2       | 10   | 025050236 | 1-7     | 46   |           | 60      | 72   |           | 54-12-3 | 68   |
| 018061622 | 16      | 8    |           | 10      | 70   | 037200615 | 11-1-10 | 64   |           | 54-12-4 | 68   |

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|-----------|--------|------|-----------|---------|------|-----------|---------|------|-----------|---------|------|
| 062670412 | 100-6  | 74   | 0A4400605 | 59      | 56   | 105237002 | 59      | 42   | 122771051 | 80-1-4  | 72   |
| 062670512 | 12     | 26   | 0A4400606 | 50-1-12 | 50   | 105288002 | 80-1-2  | 72   |           | 80-1-7  | 72   |
|           | 58     | 26   |           | 50-2-12 | 52   | 105970001 | 41      | 40   | 123185001 | 39-6    | 40   |
|           | 66     | 28   |           | 51-1-12 | 52   |           | 80-1-8  | 72   | 133643006 | 130-1-5 | 74   |
|           | 81     | 28   |           | 51-2-12 | 54   | 106436001 | 53      | 26   | 133740006 | 38      | 70   |
|           | 6-8    | 36   |           | 51-3-12 | 54   | 106629002 | 43      | 40   | 133792101 | 130-2   | 74   |
|           | 7-8    | 36   |           | 51-4-12 | 56   | 107093002 | 25      | 36   | 133793001 | 130-2-1 | 74   |
| 062670612 | 7      | 22   | 0A4400805 | 1-1-6   | 44   | 107149001 | 54      | 26   | 133794001 | 130-2-2 | 74   |
|           | 5      | 26   |           | 30-1-7  | 50   | 107401001 | 46-1-3  | 14   | 133795001 | 130-2-3 | 74   |
|           | 28     | 26   |           | 30-2-7  | 50   |           | 46-5-4  | 18   | 133797101 | 130     | 74   |
|           | 51     | 26   | 0A4401205 | 30-3-7  | 50   |           | 10-12-3 | 64   | 140004001 | 5-2-1   | 4    |
|           | 17     | 30   | 0A5302005 | 19      | 58   | 107404001 | 46-1-4  | 16   | 140407001 | 35      | 10   |
|           | 30     | 30   | 0A5400805 | 1-23-4  | 47   |           | 46-3-4  | 16   | 140430001 | 5-4     | 4    |
|           | 21     | 58   | 0A5400806 | 27      | 58   |           | 46-5-5  | 18   | 140518001 | 1-7     | 70   |
| 062670712 | 6-5    | 36   | 0A5401006 | 1-34    | 47   |           | 10-12-4 | 64   | 140553102 | 16      | 4    |
|           | 7-5    | 36   |           | 1-36    | 47   | 107407003 | 80-7    | 72   | 141208001 | 31      | 10   |
| 062670812 | 14     | 58   |           | 1-37    | 47   | 107639001 | 52-2    | 42   | 141513001 | 22-3    | 36   |
| 062671212 | 39     | 10   |           | 52      | 58   | 107744001 | 1-2     | 40   | 141514001 | 22-4    | 36   |
| 062671612 | 54     | 42   |           | 54      | 58   | 108265009 | 24-3    | 34   |           | 33      | 40   |
| 062680512 | 17-2   | 40   |           | 56      | 58   | 108494001 | 80-2-2  | 72   |           | 39-5    | 40   |
|           | 56     | 42   |           | 59      | 58   | 108495001 | 80-2-3  | 72   | 141519001 | 1-3     | 40   |
|           | 100-3  | 74   | 0A5401206 | 902     | 58   | 110027001 | 2-1     | 36   | 141590001 | 27      | 30   |
| 062680612 | 5      | 2    |           | 905     | 58   | 110067001 | 80-1-9  | 72   | 141619001 | 6-1     | 22   |
|           | 43     | 14   | 0A5403005 | 1-5     | 46   | 110161004 | 16-1-4  | 10   | 141620001 | 6-2     | 22   |
|           | 58     | 18   | 0A5501005 | 101     | 48   |           | 1-4     | 40   |           | 100-8   | 74   |
|           | 14     | 26   | 0B1351606 | 11-4    | 64   | 110167001 | 39-2    | 40   | 142274101 | 5-3     | 22   |
|           | 34     | 26   | 100022005 | 26      | 4    | 110168001 | 39-3    | 40   | 142443001 | 25      | 70   |
|           | 64     | 28   | 100136001 | 80-2-4  | 72   | 110215002 | 29      | 40   | 142990001 | 54-10-3 | 68   |
|           | 11     | 30   | 100242003 | 46      | 10   |           | 38      | 40   | 143748001 | 80-1-11 | 72   |
|           | 17     | 36   | 100250001 | 2       | 4    | 110367001 | 4       | 4    | 143749001 | 80-1-10 | 72   |
|           | 10-8   | 64   | 100402004 | 51-3    | 32   |           | 13      | 10   | 143767102 | 80-2    | 72   |
| 062680712 | 31     | 26   | 100644005 | 5       | 24   |           | 27      | 20   | 143980001 | 80-2-1  | 72   |
| 062680812 | 23     | 14   |           | 23      | 36   | 110494001 | 3       | 40   | 144103009 | 31-4    | 30   |
|           | 9      | 26   | 100645003 | 7-4     | 30   | 110735002 | 27-1-6  | 14   |           | 40-4    | 30   |
|           | 69     | 72   |           | 10      | 30   |           | 27-2-6  | 18   | 144110001 | 31-5    | 30   |
| 062681012 | 27     | 4    | 101118001 | 7       | 70   | 111466101 | 30      | 10   | 144226001 | 70      | 72   |
| 062681412 | 6      | 44   | 101572101 | 27      | 70   | 111865001 | 21      | 6    | 144628001 | 80-1-6  | 72   |
| 062710612 | 66     | 72   | 101671002 | 6-3     | 22   | 112467002 | 7       | 26   | 144630001 | 46-3-1  | 16   |
| 062710812 | 39     | 20   |           | 100-9   | 74   | 112525000 | 78      | 72   |           |         | 76   |
| 062711012 | 3      | 2    | 102538002 | 51      | 12   | 112751003 | 70      | 32   | 144632001 |         | 76   |
|           | 7      | 2    | 102630001 | 6       | 20   | 113316001 | 66      | 32   | 144707001 | 46-3-3  | 16   |
| 062711212 | 3      | 8    | 104449001 | 27      | 2    | 113730001 | 20      | 40   | 144872101 | 10      | 26   |
| 062711412 | 32     | 20   |           | 32      | 2    | 114483002 | 36      | 70   | 144874001 | 11      | 26   |
| 062711612 | 9      | 2    |           | 33      | 2    | 114859001 | 131     | 74   | 144875001 | 1       | 26   |
|           | 4      | 8    |           | 39      | 2    | 114988001 | 49      | 30   | 144997001 | 80-1-3  | 72   |
| 062761012 | 2      | 14   |           | 56      | 2    | 115188001 | 24-2    | 34   | 144998001 | 80-1-1  | 72   |
|           | 8      | 20   |           | 9       | 70   | 115503001 | 20      | 20   | 144999001 | 80-1-5  | 72   |
| 070608800 | 18     | 6    | 104450101 | 11      | 2    | 117143003 | 17      | 2    | 145136001 |         | 76   |
| 070688850 | 10     | 14   |           | 29      | 2    | 117160001 | 33-3-3  | 18   | 145371001 | 37      | 40   |
| 072630260 | 1-3    | 6    |           | 30      | 2    |           | 10-2-3  | 64   | 145440001 | 40-1    | 30   |
| 076002450 | 2-1    | 22   |           | 31      | 2    | 117363001 | 16-4    | 10   | 145446001 | 31-2    | 30   |
| 076200800 | 12-7   | 6    |           | 34      | 2    |           | 19      | 10   |           | 40-2    | 30   |
| 076202801 | 1-3    | 66   |           | 35      | 2    | 117466000 | 33      | 70   |           | 51-6    | 32   |
| 081005070 | 4      | 30   |           | 36      | 2    | 117934001 | 25      | 2    |           | 24-1    | 34   |
| 081007070 | 1-6    | 70   |           | 37      | 2    | 117936001 | 59      | 2    | 145465001 | 5-1     | 4    |
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| 081014870 | 51-4   | 32   |           | 58      | 72   | 118837001 | 26      | 70   | 145478101 | 23-3    | 10   |
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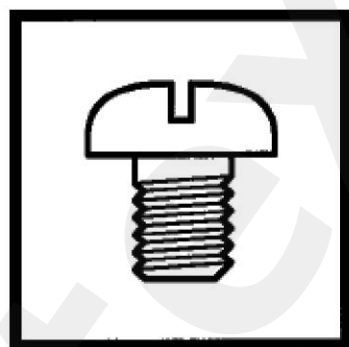
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