

# brother

## MA4-V61

超々高速安全縫ミシン

ULTRA HIGH SPEED SAFETY STITCH SEWING MACHINE

SICHERHEITSTICH-SCHNELLNAHMASCHINE

MACHINE A COUDRE A ULTRA-VITESSE, A POINTS DE COUTURE ET SURJETS

MAQUINA PARA COSTURA DE SEGURIDAD ULTRARRAPIDA

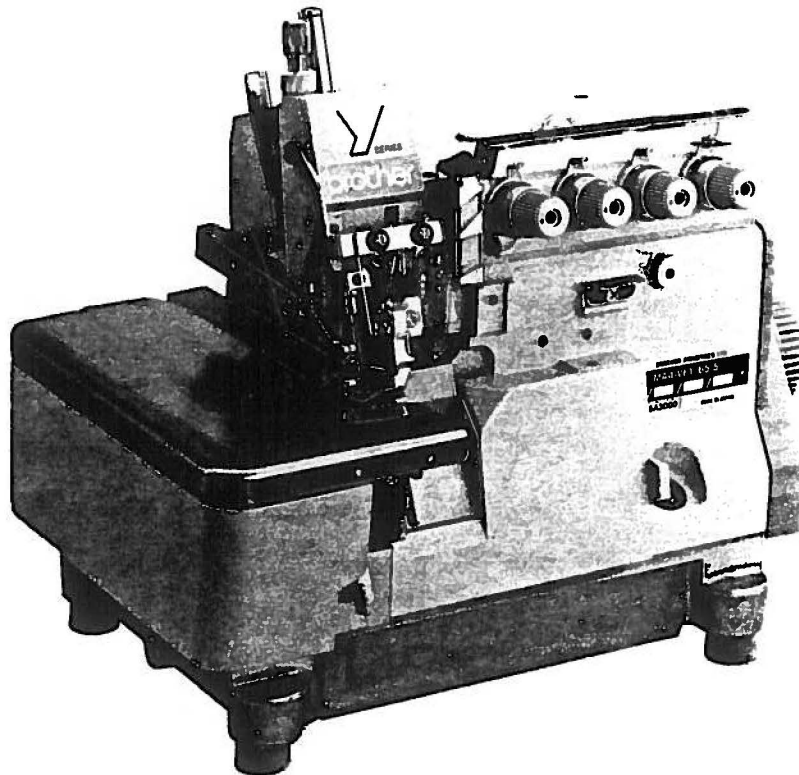
パーツブック

PARTS BOOK

TEILEKATALOG

LIVRE DES PIECES

LIBRO DE REFERENCIA DE PIEZAS



PV61001

## Notes for using this parts book

1. This book is applicable to sewing machines which have the same plate number as shown on the cover of this book (or correction sheet).
2. Non-standard parts are indicated with  $\overline{61}$ <sub>00</sub>.  
Numbers inside the line indicate the subclass.
3. An asterisk \* in the RMKS column indicates a part that is selected to be installed with a paired part. Be sure to order the pair.
4. Parts supplied as complete assemblies are circled by a dotted line  $\circ$ .
5. This book was prepared based on information available in January 1992.
6. Parts are subject to changes in design without prior notice.
7. If the symbol \* is found in the "Parts No." column, refer to the different parts list on page 47.

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## パーツブックご利用に際して

1. この本は、この本の表紙（正誤表の挿入されている場合は正誤表）に記載されているものと同じプレートが取り付けられているミシンのためのものです。
2. 標準以外で使用する部品は  $\boxed{\begin{smallmatrix} 61 \\ 00 \end{smallmatrix}}$  で示します。尚実線内の数字はサブクラスを表しています。
3. RMKS 欄に※印のついている部品は、相手部品との選択組付けがなされていますので、相手部品と一緒に、ご注文下さい。
4. 組単位で補給する部品は、 $\boxed{\quad}$  破線で示しております。
5. この本は1992年1月のデータにもとづいて作成されたものです。
6. 部品は予告なしに設計変更される場合があります。
7. 部品コード欄が\*となっている場合は、仕様別部品一覧表（47ページ）でお調べ下さい。

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## Notes sur l'utilisation de ce manuel de pièces détachées

1. Ce manuel est destiné aux machines à coudre ayant le même numéro de plaque montré sur la couverture de ce manuel (ou sur la feuille de corrections).
2. Les pièces non standard sont signalées par l'indication  $\frac{61}{00}$ .  
Les numéros à l'intérieur du cadre en pointillés indique la sous-classe.
3. Un astérisque \* dans la colonne RMKS indique une pièce devant être montée en paire avec une autre pièce. Veiller à bien commander la paire.
4. Les pièces fournies en tant qu'assemblages complets sont encadrées avec un trait pointillé  $\square$ .
5. Ce manuel a été fait d'après les renseignements valables au mois de Janvier 1992.
6. Les pièces peuvent être sujettes à des modifications sans préavis.
7. Si le symbole \* se trouve dans la colonne "Parts No. (N° de pièce)" veuillez la vous référer à la liste de pièces annexe page 47.

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## Hinweise zur Verwendung dieser Teileliste

1. Dieses Buch bezieht sich auf die Nähmaschinen mit derselben Kennungsnummer wie auf diesem Buchumschlag (oder auf dem Korrekturblatt).
2. Die Sonderteile sind mit  $\begin{matrix} 61 \\ 00 \end{matrix}$  bezeichnet.  
Die Nummern im gestrichelten Feld geben die Unterbezeichnung an.
3. Die in der Kolonne RMKS mit einem Asteriskus \* bezeichneten Teile müssen mit anderen Teilen zusammen ausgewählt und montiert werden. Aus diesem Grund müssen Sie alle zusammengehörenden Teile miteinander bestellen.
4. Die Teile, die als kompletter Satz geliefert werden, sind mit einer  $\text{---}$  gestrichelten Linie umrandet.
5. Dieses Buch basiert auf den Informationen vom Januar 1992.
6. Modelländerungen sind vorbehalten.
7. Dieses Zeichen \* in der Spalte "Parts No. (Teil-nummer)" verweist auf die Gesonderte Stückliste auf Seite 47.

## INHALTSVERZEICHNIS

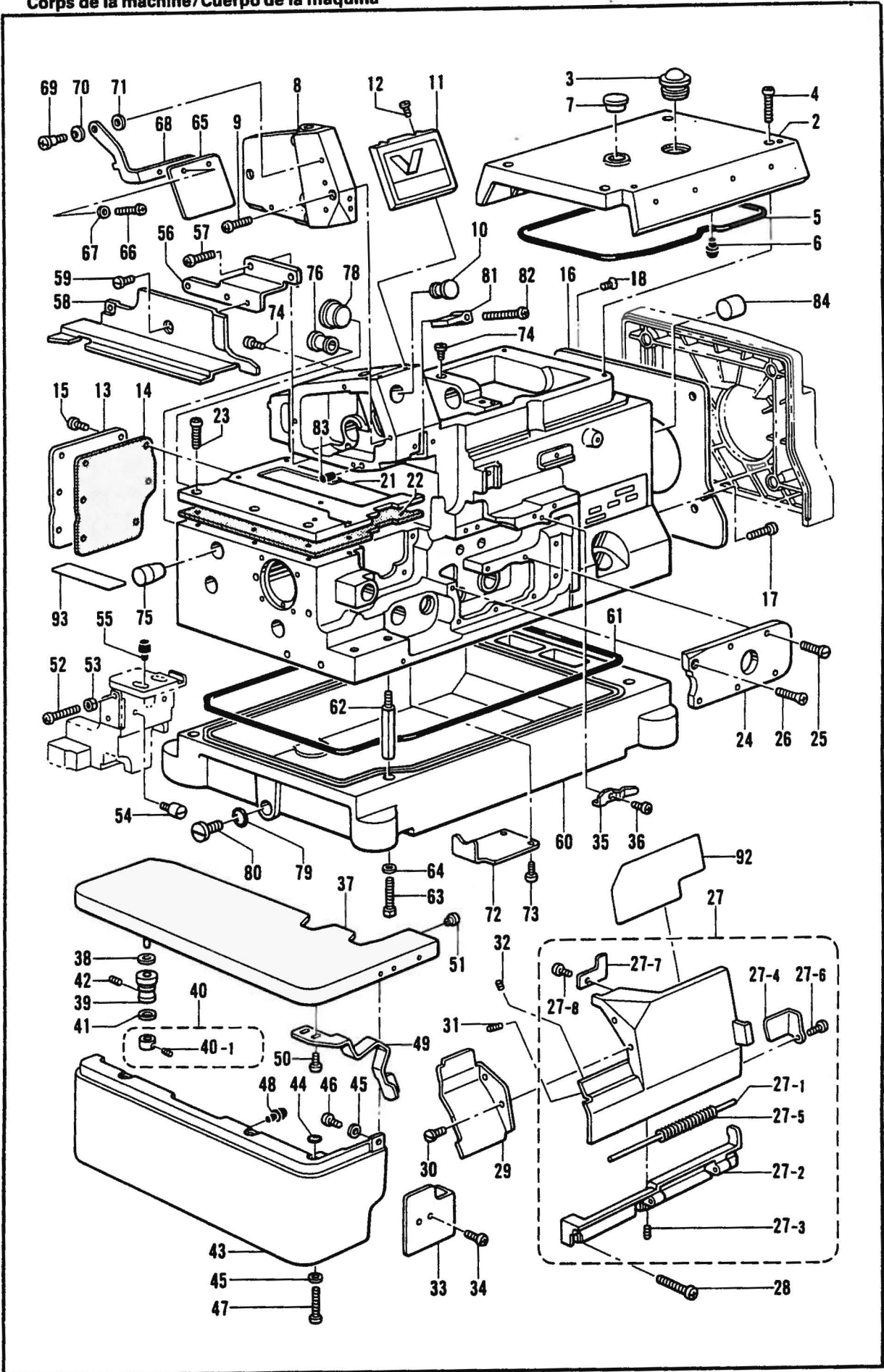
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## Notas para usar este Manual de Piezas

1. Este libro sirve para todas las máquinas de coser que llevan la misma placa de identificación que la que se puede ver en la tapa de este libro (o en la hoja de erratas).
2. Las piezas no normales aparecen como  $\begin{matrix} 01 \\ 00 \end{matrix}$ .  
Los números dentro del rectángulo punteado indican la subclase.
3. Un asterisco \* en la columna RMKS indica que la pieza se debe instalar con su pieza par. Se debe hacer el pedido del par de piezas.
4. Las piezas suministradas como conjuntos completos se enmarcan con una línea punteada  $\square$ .
5. Este libro ha sido compilado basándose en los datos de que se disponía en enero 1992.
6. Las piezas quedan sujetas a cambios de diseño sin aviso previo.
7. De haber un símbolo \* junto al "Parts No. (Número de Pieza)", habrá que mirar la lista de piezas separada de la página 47.

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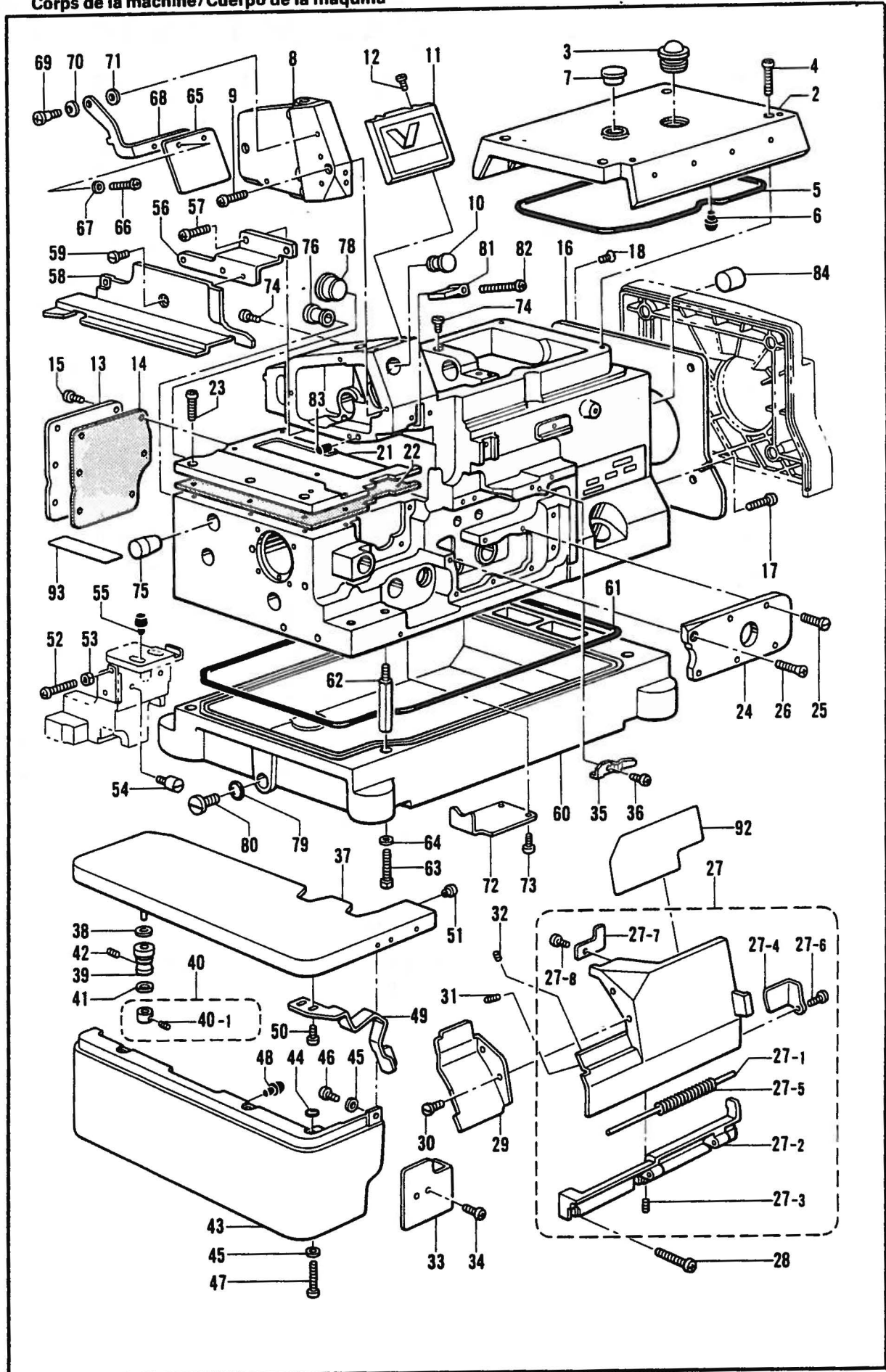




A. ノーム関係 / machine body / maschinengehäuse /  
Corps de la machine / Cuerpo de la máquina

| REF.NO. | CODE      | QTY | 品名             | NAME OF PARTS                  | RMKS |
|---------|-----------|-----|----------------|--------------------------------|------|
| 2       | S20305001 | 1   | ウツカハ-          | TOP COVER                      |      |
| 3       | S02606000 | 1   | ユリヨウケイマト       | OIL GAUGE WINDOW               |      |
| 4       | 062401216 | 4   | ナヘ"COM4X12     | SCREW M4X12                    |      |
| 5       | S20306000 | 1   | ハ"ツキン          | PACKING                        |      |
| 6       | S20412000 | 3   | メクラセン          | OIL CAP                        |      |
| 7       | S23337009 | 1   | メクラセン          | OIL CAP                        |      |
| 8       | S20712001 | 1   | ソクメンカハ-クミ      | FRAME SIDE COVER ASSEMBLY      |      |
| 9       | 062400816 | 4   | ナヘ"コ4X8        | SCREW 4X8                      |      |
| 10      | S20345009 | 1   | メクラセン          | OIL CAP                        |      |
| 11      | S20309001 | 1   | メンイタカハ-        | FACE PLATE COVER               |      |
| 12      | S23418001 | 2   | シメネシ"4X5       | SCREW 4X5                      |      |
| 13      | S20310001 | 1   | オクリキコウカハ-B     | COVER FOR FEED MECHANISM (B)   |      |
| 14      | S20311000 | 1   | ハ"ツキン          | PACKING                        |      |
| 15      | 062400816 | 6   | ナヘ"コ4X8        | SCREW 4X8                      |      |
| 16      | S23367001 | 1   | ファンカハ-         | FAN COVER                      |      |
| 17      | 062400816 | 2   | ナヘ"コ4X8        | SCREW 4X8                      |      |
| 18      | 061400616 | 2   | サラコ4X6         | SCREW 4X6                      |      |
| 21      | S20313000 | 1   | オクリタ"イカハ-      | FEED BAR COVER                 |      |
| 22      | S20314000 | 1   | ハ"ツキン          | PACKING                        |      |
| 23      | 062401016 | 6   | ナヘ"コ4X10       | SCREW 4X10                     |      |
| 24      | S20315001 | 1   | ウチカハ-          | INSIDE COVER                   |      |
| 25      | S23616001 | 5   | シメネシ"4X10      | SCREW 4X10                     |      |
| 26      | 061400816 | 1   | サラコ4X8         | SCREW 4X8                      |      |
| 27      | S20316001 | 1   | マエカハ-Lクミ       | FRONT COVER (L) ASSEMBLY       |      |
| 27-1    | S20318000 | 1   | マエカハ-ヒンジ"シク    | FRONT COVER HINGE SHAFT        |      |
| 27-2    | S20319001 | 1   | マエカハ-ヒンジ"      | FRONT COVER HINGE              |      |
| 27-3    | 012400436 | 2   | アナヒラ4X4        | SET SCREW 4X4                  |      |
| 27-4    | S20320001 | 1   | マエカハ-ストツハ"     | FRONT COVER STOPPER            |      |
| 27-5    | S20321001 | 1   | マエカハ-ハ"ネ       | FRONT COVER SPRING             |      |
| 27-6    | S23418001 | 1   | シメネシ"4X5       | SCREW 4X5                      |      |
| 27-7    | S20327001 | 1   | マエカハ-トメイタ      | STOPPER PLATE FOR FRONT COVER  |      |
| 27-8    | S23418001 | 1   | シメネシ"4X5       | SCREW 4X5                      |      |
| 28      | 060401416 | 3   | ハ"イント"4X14     | SCREW 4X14                     |      |
| 29      | S20322001 | 1   | マエカハ-S         | FRONT COVER (S)                |      |
| 30      | S23418001 | 2   | シメネシ"4X5       | SCREW 4X5                      |      |
| 31      | 012400836 | 1   | アナヒラ4X8        | SET SCREW 4X8                  |      |
| 32      | 012400436 | 1   | アナヒラ4X4        | SET SCREW 4X4                  |      |
| 33      | S20324001 | 1   | マエカハ-Lアンナイ     | FRONT COVER (L) GUIDE          |      |
| 34      | 062400816 | 2   | ナヘ"コ4X8        | SCREW 4X8                      |      |
| 35      | S20325001 | 1   | マエカハ-トメイタハ"ネ   | STOPPER SPRING FOR FRONT COVER |      |
| 36      | 062400616 | 1   | ナヘ"COM4X6      | SCREW M4X6                     |      |
| 37      | S20328001 | 1   | クロスプレート        | CLOTH PLATE                    |      |
| 38      | S20329000 | 1   | クロスプレートシート     | CLOTH PLATE SHEET              |      |
| 39      | S20330000 | 1   | クロスプレートササエカラー  | CLOTH PLATE SUPPORT COLLAR     |      |
| 40      | S20331001 | 1   | セツトカラークミ       | SET COLLAR ASSEMBLY            |      |
| 40-1    | 012400436 | 1   | アナヒラ4X4        | SET SCREW 4X4                  |      |
| 41      | S20333001 | 1   | サラハ"ネサ"ガ"ネ     | SPRING WASHER                  |      |
| 42      | 012400636 | 1   | アナヒラ4X6        | SET SCREW 4X6                  |      |
| 43      | S20334000 | 1   | クロスプレートシタ      | CLOTH PLATE (LOWER)            |      |
| 44      | 118770001 | 3   | ハ"ツキン          | PACKING                        |      |
| 45      | 025040132 | 4   | ヒラサ"ガ"ネシヨウ4    | PLAIN WASHER 4                 |      |
| 46      | 062400616 | 1   | ナヘ"COM4X6      | SCREW M4X6                     |      |
| 47      | 062401216 | 3   | ナヘ"COM4X12     | SCREW M4X12                    |      |
| 48      | S20412000 | 2   | メクラセン          | OIL CAP                        |      |
| 49      | S20348001 | 1   | クロスプレートトメイタハ"ネ | SPRING                         |      |
| 50      | 060400516 | 2   | ハ"イント"4X5      | SCREW M4X5                     |      |
| 51      | 156482000 | 1   | メクラセン          | OIL CAP                        |      |
| 52      | 062401616 | 1   | ナヘ"コ4X16       | SCREW 4X16                     |      |
| 53      | 021400216 | 1   | 2シユナツト4        | NUT 4                          |      |
| 54      | S20349001 | 1   | シメネシ"M6        | SCREW M6                       |      |
| 55      | S20412000 | 2   | メクラセン          | OIL CAP                        |      |
| 56      | S20336001 | 1   | ヌノアンナイトリツケイタ   | CLOTH GUIDE SET PLATE          |      |

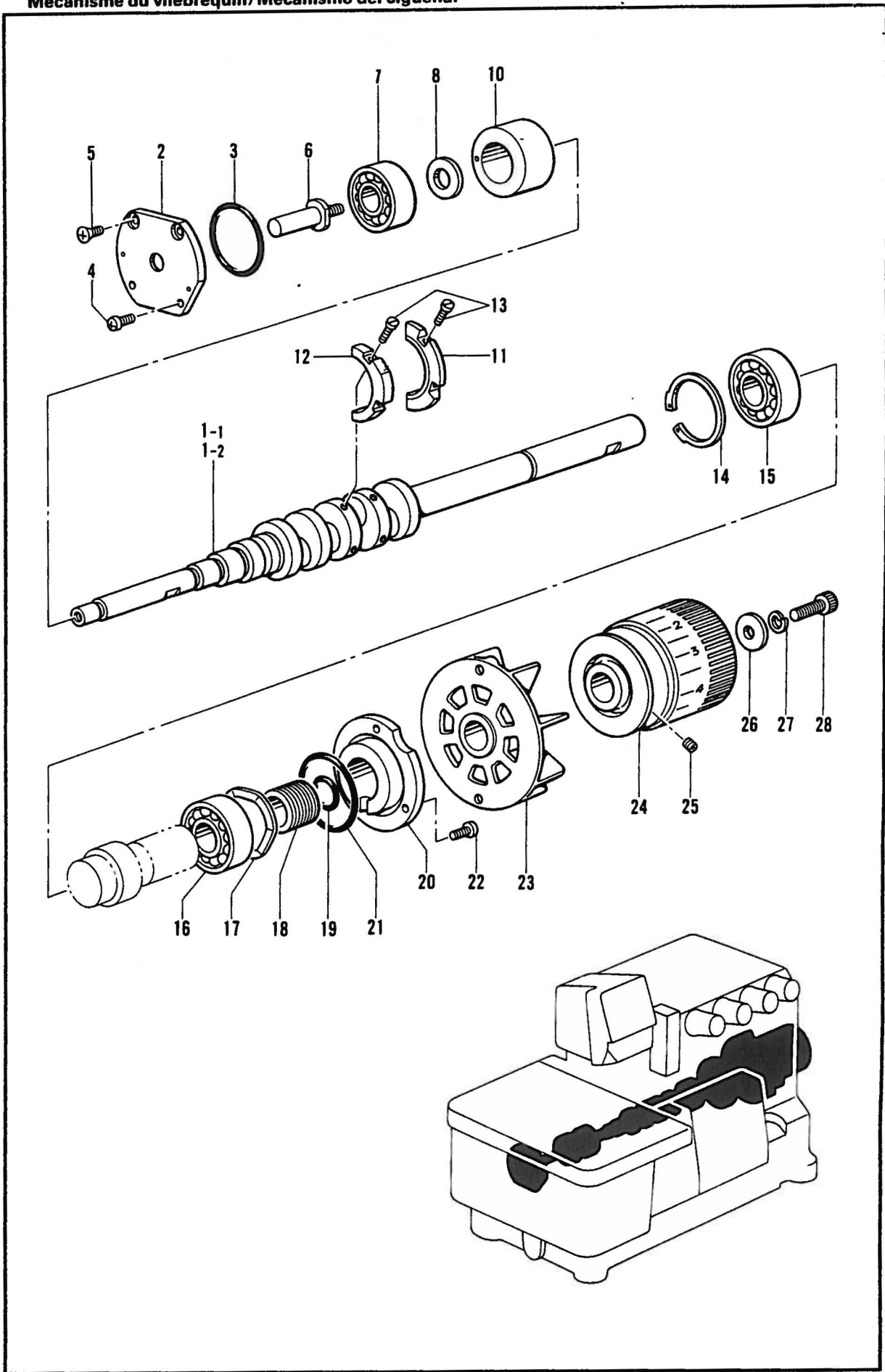




A. フレーム関係 / Machine body / Maschinengehäuse /  
Corps de la machine / Cuerpo de la máquina

| REF.NO. | CODE      | QTY | 品名                              | NAME OF PARTS  | RMKS |
|---------|-----------|-----|---------------------------------|--|------|
| 57      | 062400816 | 2   | ナヘ"コ4X8                         | SCREW 4X8  |      |
| 58      | S20337001 | 1   | クロスプレートヌノアンナイ                   | CLOTH GUIDE  |      |
| 59      | S23418001 | 2   | シメネジ"4X5                        | SCREW 4X5  |      |
| 60      | S20338000 | 1   | アフ"ラウケ                          | OIL RESERVOIR  |      |
| 61      | S20339000 | 1   | ハ"ツキン                           | PACKING  |      |
| 62      | S23350001 | 4   | ホントイシチュウ                        | MACHINE BODY LEG   |      |
| 63      | 017501216 | 4   | ボルト5X12                         | BOLT 5X12  |      |
| 64      | S23351001 | 4   | ワ"カ"ネ                           | WASHER   |      |
| 65      | S00075000 | 1   | アイガード                           | EYE GUARD  |      |
| 66      | 062350816 | 2   | ナヘ"コ3.5X8                       | SCREW 3.5X8  |      |
| 67      | 025350332 | 2   | ヒラサ"カ"ネタ"イ3.5                   | PLAIN WASHER 3.5   |      |
| 68      | S20340001 | 1   | アイガード"ササエイタ                     | EYE GUARD SUPPORT PLATE                                      |      |
| 69      | S20342001 | 1   | ダ"ンネジ"4                         | STUD SCREW 4   |      |
| 70      | 146598001 | 1   | ハ"ネサ"カ"ネ                        | SPRING WASHER  |      |
| 71      | S00077000 | 1   | ス"パ"サ                           | SPACER   |      |
| 72      | S20343001 | 1   | シキリイタ                           | OIL STOPPER PLATE  |      |
| 73      | 062400616 | 2   | ナヘ"コM4X6                        | SCREW M4X6   |      |
| 74      | 062061016 | 5   | ナヘ"コ6X10                        | SCREW 6X10   |      |
| 75      | S20344009 | 1   | メクラセン                           | OIL CAP  |      |
| 76      | S20345009 | 1   | メクラセン                           | OIL CAP  |      |
| 78      | 108520009 | 1   | メクラセン                           | OIL CAP  |      |
| 79      | 081009070 | 1   | Oリング"P9                         | O RING P9  |      |
| 80      | S23357001 | 1   | シメネジ"10                         | SCREW 10   |      |
| 81      | S20346000 | 1   | ハリホ"ウアフ"ラウケ                     | NEEDLE BAR OIL RESERVOIR                                     |      |
| 82      | 062401616 | 1   | ナヘ"コ4X16                        | SCREW 4X16   |      |
| 83      | S20878000 | 1   | メクラセン                           | OIL CAP  |      |
| 84      | 140066009 | 1   | メクラセン                           | OIL CAP  |      |
| 92      | S25182001 | 1   | <5ホンイトヨウ><br>イトトオシセツメイラヘルD      | <5 THREADS><br>THREADING DIAGRAM LABEL (D)                   |      |
| 92      | S25183001 | 1   | -----                           | <4 THREADS><br>THREADING DIAGRAM LABEL (E)                   |      |
| 93      | S25184001 | 1   | <ニジ"ユウカンイトヨウ><br>DLイトトオシセツメイラヘル | <DOUBLE CHAIN STITCH THREAD><br>(DL) THREADING DIAGRAM LABEL |      |

B. 駆動軸関係 / Crank shaft mechanism / Kurbelwelle /  
Mécanisme du vilebrequin / Mecanismo del cigüeñal





B. 駆動軸関係 / Crank shaft mechanism / Kurbelwelle /  
 Mécanisme du vilebrequin / Mecanismo del cigüeñal

| REF.NO. | CODE        | Q'TY | ヒンメイ   | NAME OF PARTS                     | RMKS |
|---------|-------------|------|--|-----------------------------------|------|
| 2       | S20368001   | 1    | ヘ"アリング"フタ  | BEARING CAP                       |      |
| 3       | S20353000   | 1    | Oリング"  | O RING                            |      |
| 4       | 062400816   | 2    | ナヘ"コ4X8  | SCREW 4X8                         |      |
| 5       | 061400816   | 2    | サラコ4X8   | SCREW 4X8                         |      |
| 6       | S20369001   | 1    | ニシ"ユウカンテンヒ"ンシ"ク  | CHAIN STITCH-THREAD TAKE-UP SHAFT |      |
| 7       | S29136001   | 1    | タマシ"クウケ6300Z   | BALL BEARING 6300Z                |      |
| 8       | S20356001   | 1    | ヒラサ"カ"ネ10  | PLAIN WASHER 10                   |      |
| 10      | S20358000   | 1    | ク"ウシ"クメタル  | CRANK SHAFT BUSH                  |      |
| 11      | S20359000   | 1    | ハ"ランスウエイトR   | BALANCE WEIGHT (R)                |      |
| 12      | S20360000   | 1    | ハ"ランスウエイトL   | BALANCE WEIGHT (L)                |      |
| 13      | S20355001   | 4    | シメネシ"3X8.5   | SCREW 3X8.5                       |      |
| 14      | 048400242   | 1    | トメフアナヨウC40   | STOP RING C40                     |      |
| 15      | 076203000   | 1    | タマシ"クウケ6203  | BALL BEARING 6203                 |      |
| 16      | S27868001   | 1    | タマシ"クウケ6203V   | BALL BEARING 6203V                |      |
| 17      | S20361001   | 1    | ナミハ"ネ  | WAVE SPRING                       |      |
| 18      | S20362001   | 1    | ク"ウシ"クオイルキリ  | CRANK SHAFT OIL REJECTOR          |      |
| 19      | S20363000   | 1    | Oリング"017   | O RING 017                        |      |
| 20      | S20364000   | 1    | ヘ"アリング"オサエ   | BEARING PRESSER                   |      |
| 21      | S20365000   | 1    | Oリング"030   | O RING 030                        |      |
| 22      | 060401016   | 3    | ハ"イント"M4X10  | SCREW M4X10                       |      |
| 23      | S20366000   | 1    | ファン  | FAN                               |      |
| 24      | S20367001   | 1    | プーリ  | PULLEY                            |      |
| 25      | 012060636   | 2    | アナヒラ6X6  | SET SCREW 6X6                     |      |
| 26      | 152710001   | 1    | サ"カ"ネ  | WASHER                            |      |
| 27      | 028060242   | 1    | ハ"ネサ"カ"ネ2-6  | SPRING WASHER 2-6                 |      |
| 28      | 018061636   | 1    | アナホルト6X16  | BOLT 6X16                         |      |
| 1-1     | ★ S23368001 | 1    | <スタンダート",ハイリフト / FOR STANDARD, HIGH-LIFT ><br>ク"ウシ"クLネシ"ツキ         | CRANK SHAFT (L) WITH SCREW        |      |
| 1-2     | ★ S23369001 | 1    | <チョウハイリフトヨウ / FOR EXTRA HIGH-LIFT 85, 86, 92, 93 ><br>ク"ウシ"クMネシ"ツキ | CRANK SHAFT (M) WITH SCREW        |      |

★クドウジクとロッドは、同色（赤色・青色の2種類）の組合わせで、選択組付けをしています。

ご注文の際には、色を指定して下さい。

★ The crank shaft and rod are to be selected and installed to parts of the same color (2 types: red and blue). Be sure to specify a color when ordering.

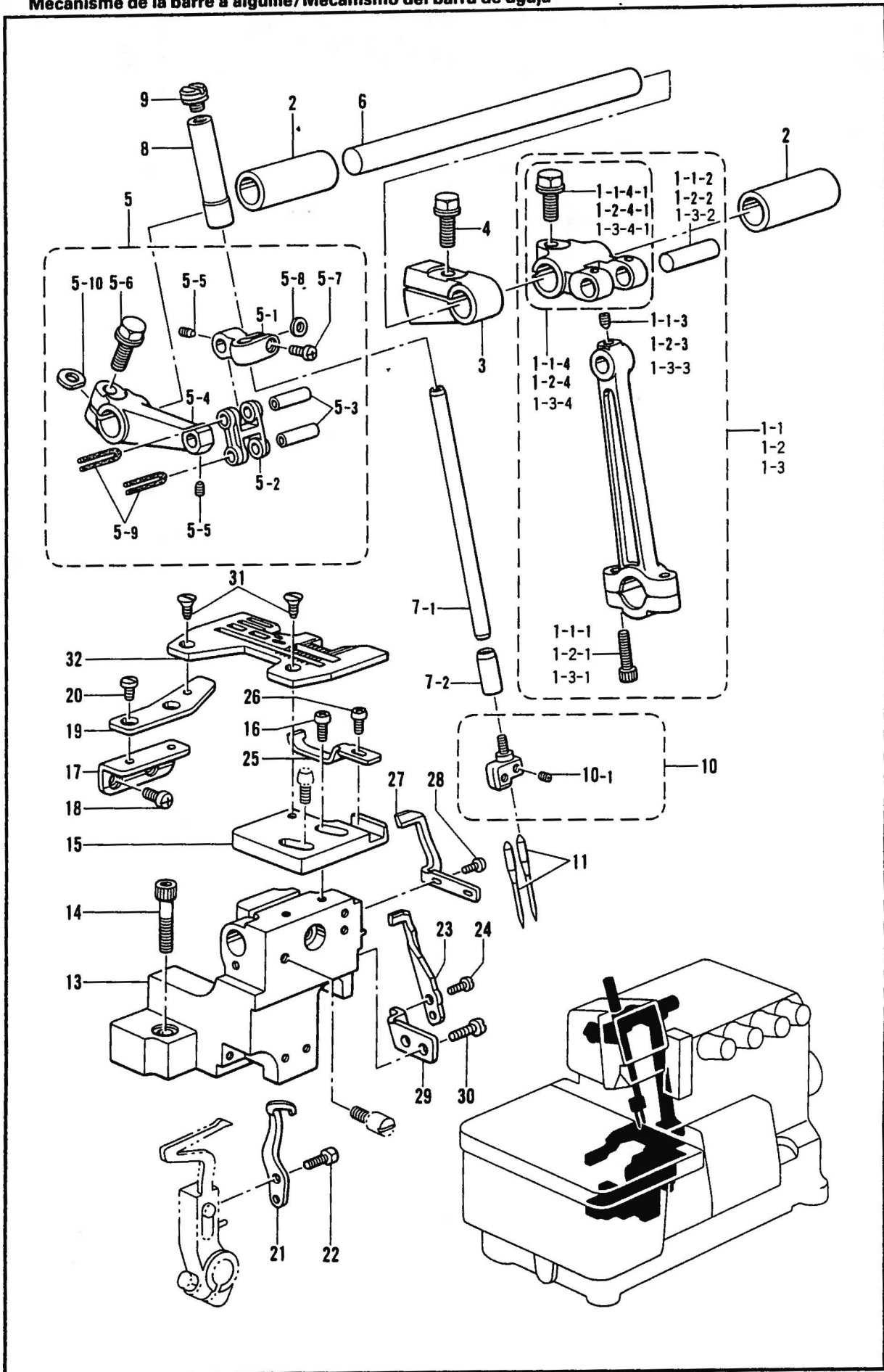
★ Die Kurbelwelle und die Stange müssen mit den gleichfarbigen Teilen (zwei Typen: rot und blau) ausgewählt und montiert werden. Geben Sie daher bei der Bestellung unbedingt die Farbe an.

★ L'arbre et la bielle doivent être choisis et montés avec des pièces de couleur identique (2 types: rouge et bleu). Veiller à bien préciser la couleur en passant la commande.

★ El cigüeñal y la varilla del cigüeñal se deben seleccionar e instalar con las piezas del mismo color (dos tipos: rojas y azules). Al hacer el pedido se debe especificar el color.



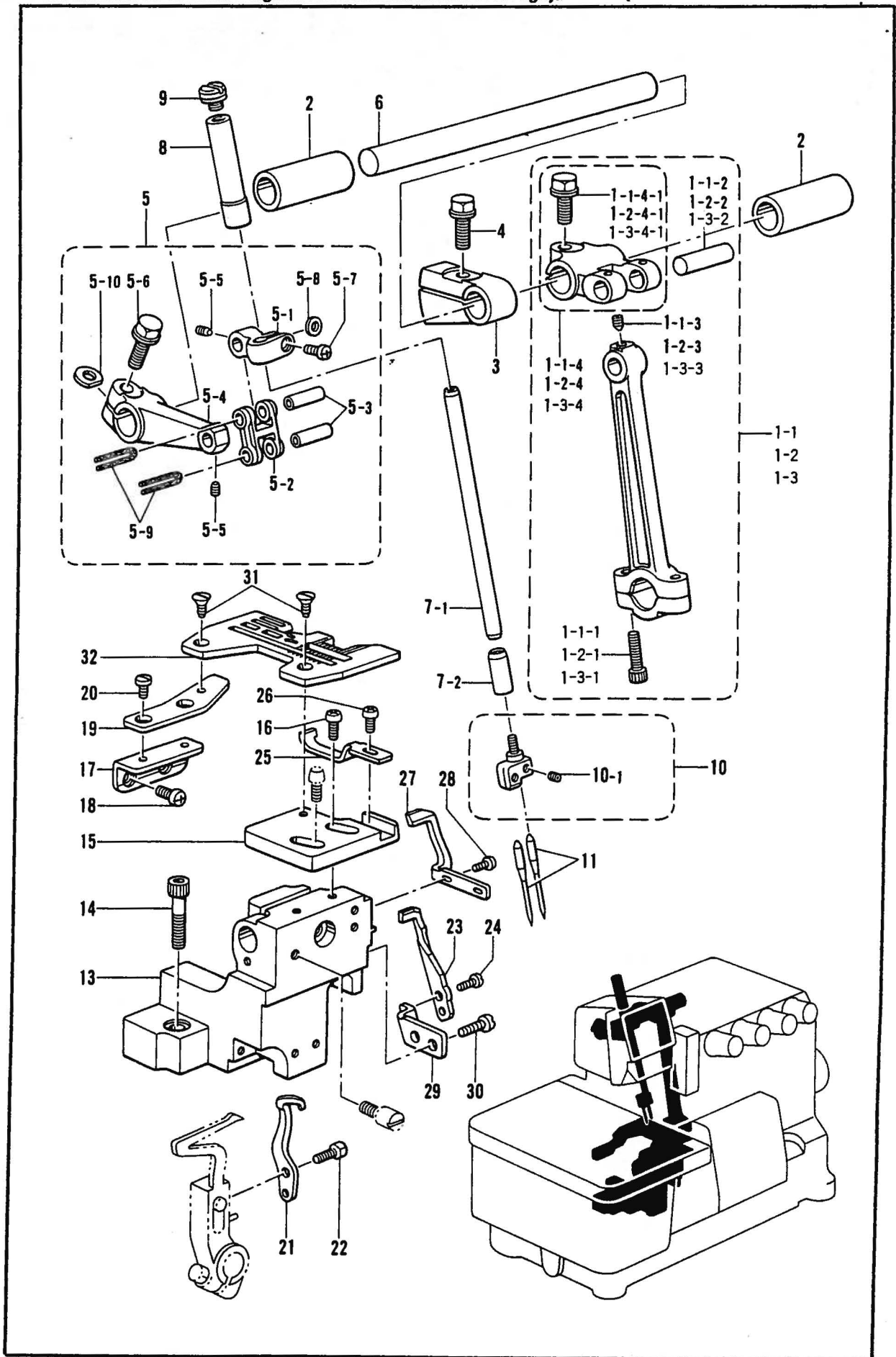
C. 针杆机构 / Needle bar mechanism / Nadelstangenvorrichtung /  
 Mécanisme de la barre à aiguille / Mecanismo del barra de aguja



C. 針棒関係/Needle bar mechanism/NeedlestangenVorrichtung/  
 Mécanisme de la barre à aiguille/Mecanismo del barra de aguja

| REF.NO. | CODE      | Q'TY | ヒンメイ           | NAME OF PARTS                  | RMKS |
|---------|-----------|------|----------------|--------------------------------|------|
| 2       | S20382000 | 2    | ハリジクメタル        | NEEDLE SHAFT BUSH              |      |
| 3       | S20385001 | 1    | ハリバランス         | NEEDLE BALANCE                 |      |
| 4       | S20849001 | 1    | フランジホルト6X16ホソメ | BOLT 6X16                      |      |
| 5       | S20386001 | 1    | ハリホウタキクミ       | NEEDLE BAR CLAMP ASSEMBLY      |      |
| 5-1     | S20387001 | 1    | ハリホウタキ         | NEEDLE BAR CLAMP               |      |
| 5-2     | S20388001 | 1    | ハリホウリンク        | NEEDLE BAR LINK                | *    |
| 5-3     | S20389001 | 2    | ハリホウリンクジク      | NEEDLE BAR LINK SHAFT          | *    |
| 5-4     | S20390001 | 1    | ハリウデ           | NEEDLE BAR LEVER               |      |
| 5-5     | S23342001 | 2    | アナトカリ4X5       | SET SCREW 4X5                  |      |
| 5-6     | S20849001 | 1    | フランジホルト6X16ホソメ | BOLT 6X16                      |      |
| 5-7     | 062350816 | 1    | ナヘコ3.5X8       | SCREW 3.5X8                    |      |
| 5-8     | S20391001 | 1    | スパーサ           | SPACER                         |      |
| 5-9     | S20392000 | 2    | フェルト           | FELT                           |      |
| 5-10    | 155162001 | 1    | スパーサ           | SPACER                         |      |
| 6       | S20384001 | 1    | ハリジク           | NEEDLE SHAFT                   |      |
| 7       | S23365001 | 1    | ハリホウクミ         | NEEDLE BAR ASSEMBLY            |      |
| 7-1     | S20393001 | 1    | ハリホウ           | NEEDLE BAR                     |      |
| 7-2     | S20395001 | 1    | ハリホウメタルD       | NEEDLE BAR BUSH (D)            |      |
| 8       | S20394001 | 1    | ハリホウメタルU       | NEEDLE BAR BUSH (U)            |      |
| 9       | S23343001 | 1    | シメネジクミ         | SCREW ASSEMBLY                 |      |
| 10      | *         | 1    | ハリトメクミ         | NEEDLE CLAMP ASSEMBLY          |      |
| 10-1    | 146427001 | 2    | アナトメネジ3.18クホミ  | SET SCREW 3.18                 |      |
| 11      | *         | 2    | マシンハリDCX27     | NEEDLE DCX27                   |      |
| 13      | S20408001 | 1    | ハリイタササエタイ      | NEEDLE PLATE SUPPORT BRACKET   |      |
| 14      | 018062536 | 2    | アナホルト6X25      | BOLT 6X25                      |      |
| 15      | S20410001 | 1    | ハリイタササエイト      | NEEDLE PLATE SUPPORT PLATE     |      |
| 16      | 062401016 | 2    | ナヘコ4X10        | SCREW 4X10                     |      |
| 17      | S20413001 | 1    | ハリイタササエイトBササエ  | PLATE (B) SUPPORT              |      |
| 18      | 062400616 | 2    | ナヘコM4X6        | SCREW M4X6                     |      |
| 19      | S20414001 | 1    | ハリイタササエイトB     | NEEDLE PLATE SUPPORT PLATE (B) |      |
| 20      | S23418001 | 2    | シメネジ4X5        | SCREW 4X5                      |      |
| 21      | S20415001 | 1    | イトウハリウケ        | MOVABLE NEEDLE GUARD           |      |
| 22      | S20416001 | 1    | ホルト3.5X10      | BOLT 3.5X10                    |      |
| 23      | S20418001 | 1    | オーハハリウケF       | NEEDLE GUARD (F)               |      |
| 24      | S23456001 | 2    | ナヘコ25X6        | SCREW 25X6                     |      |
| 25      | S20419001 | 1    | ニジユウカンハリウケF    | CHAIN STITCH NEEDLE GUARD (F)  |      |
| 26      | 062350616 | 1    | ナヘコM3.5X6      | SCREW M3.5X6                   |      |
| 27      | S20420001 | 1    | ニジユウカンハリウケB    | CHAIN STITCH NEEDLE GUARD (B)  |      |
| 28      | S23456001 | 2    | ナヘコ25X6        | SCREW 25X6                     |      |
| 29      | S20451001 | 1    | ハリウケトリツケイタ     | NEEDLE GUARD SET PLATE         |      |
| 30      | 060401016 | 2    | ハイントM4X10      | SCREW M4X10                    |      |
| 31      | 100032003 | 2    | サラネジ4.37       | SCREW 4.37                     |      |
| 32      | *         | 1    | ハリイタ           | NEEDLE PLATE                   |      |

C. 針桿機構 / Needle bar mechanism / Nadelstangenvorrichtung /  
 Mécanisme de la barre à aiguille / Mecanismo del barra de aguja





C. 針脚機構 / Needle bar mechanism / Nadeinstangenvorrichtung /  
 Mécanisme de la barre à aiguille / Mecanismo del barra de aguja

| REF.NO. | CODE        | Q'TY | 品名   | NAME OF PARTS                            | RMKS |
|---------|-------------|------|--|--|------|
|         |             |      | <スタンダードヨウ /FOR STANDARD>                         |  |      |
| 1-1     | ★ S20370001 | 1    | ハリクランクロッド"クミS                                    | NEEDLE DRIVING CRANK ROD ASSEMBLY (S)    |      |
| 1-1-1   | 018401622   | 2    | アナボ"ルト4X16                                       | BOLT 4X16                                | *    |
| 1-1-2   | S20373001   | 1    | クランクロッド"シ"ク                                      | CRANK ROD SHAFT                          | *    |
| 1-1-3   | S23342001   | 1    | アタガ"ル4X5   | SET SCREW 4X5                            |      |
| 1-1-4   | S20374001   | 1    | ハリシ"クウデ"ネジ"ツキS                                   | NEEDLE ARM DRIVING LEVER WITH SCREW (S)  | *    |
| 1-1-4-1 | S20849001   | 1    | フランシ"ホルト6X16ホソメ                                  | BOLT 6X16                                |      |
|         |             |      | <ハイリフトヨウ /FOR HIGH-LIFT>                         |  |      |
| 1-2     | ★ S20376001 | 1    | ハリクランクロッド"クミH                                    | NEEDLE DRIVING CRANK ROD ASSEMBLY (H)    |      |
| 1-2-1   | 018401622   | 2    | アナボ"ルト4X16                                       | BOLT 4X16                                | *    |
| 1-2-2   | S20373001   | 1    | クランクロッド"シ"ク                                      | CRANK ROD SHAFT                          | *    |
| 1-2-3   | S23342001   | 1    | アタガ"ル4X5   | SET SCREW 4X5                            |      |
| 1-2-4   | S20377001   | 1    | ハリシ"クウデ"ネジ"ツキH                                   | NEEDLE ARM DRIVING LEVER WITH SCREW (H)  | *    |
| 1-2-4-1 | S20849001   | 1    | フランシ"ホルト6X16ホソメ                                  | BOLT 6X16                                |      |
|         |             |      | <チョウハイリフトヨウ /FOR EXTRA HIGH-LIFT 85, 86, 92, 93> |  |      |
| 1-3     | ★ S20379001 | 1    | ハリクランクロッド"クミEU                                   | NEEDLE DRIVING CRANK ROD ASSEMBLY (EU)   |      |
| 1-3-1   | 018401622   | 2    | アナボ"ルト4X16                                       | BOLT 4X16                                | *    |
| 1-3-2   | S20373001   | 1    | クランクロッド"シ"ク                                      | CRANK ROD SHAFT                          | *    |
| 1-3-3   | S23342001   | 1    | アタガ"ル4X5   | SET SCREW 4X5                            |      |
| 1-3-4   | S20380001   | 1    | ハリシ"クウデ"ネジ"ツキEU                                  | NEEDLE ARM DRIVING LEVER WITH SCREW (EU) | *    |
| 1-3-4-1 | S20849001   | 1    | フランシ"ホルト6X16ホソメ                                  | BOLT 6X16                                |      |

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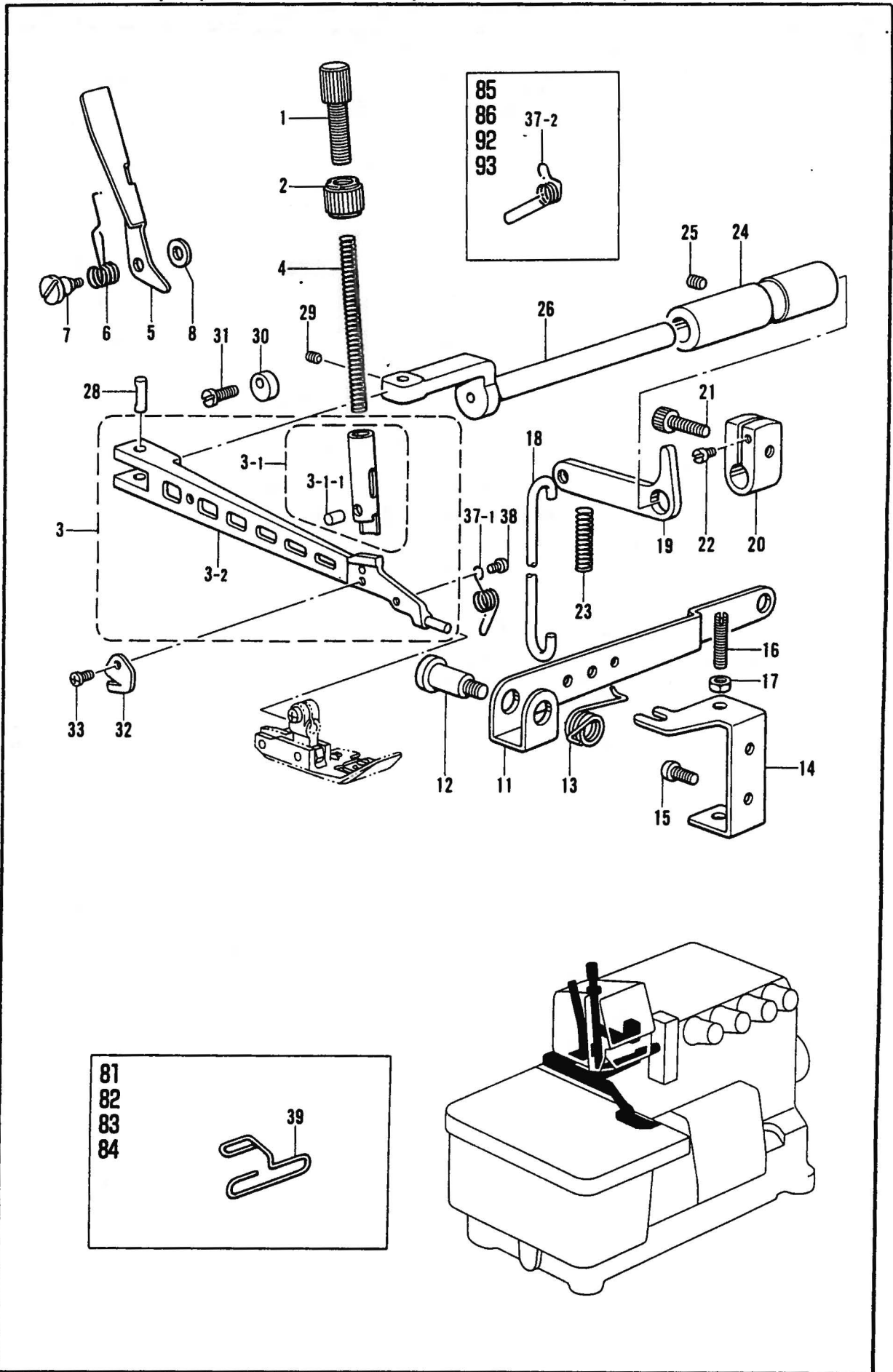
★ Die Kurbelwelle und die Stange müssen mit den gleichfarbigen Teilen (zwei Typen: rot und blau) ausgewählt und montiert werden. Geben Sie daher bei der Bestellung unbedingt die Farbe an.

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★ El cigüeñal y la varilla del cigüeñal se deben seleccionar e instalar con las piezas del mismo color (dos tipos: rojas y azules). Al hacer el pedido se debe especificar el color.

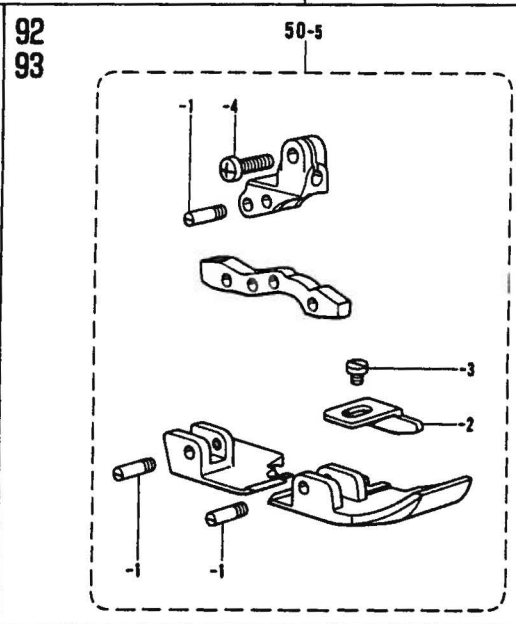
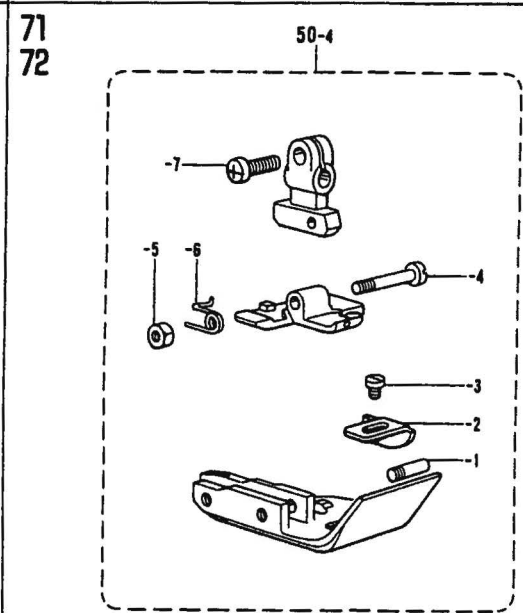
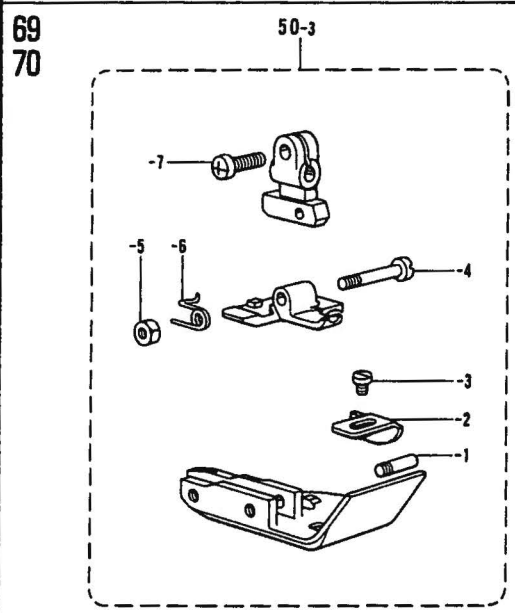
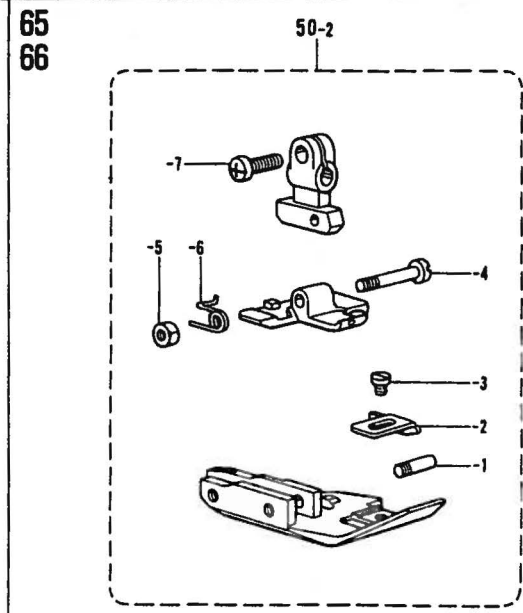
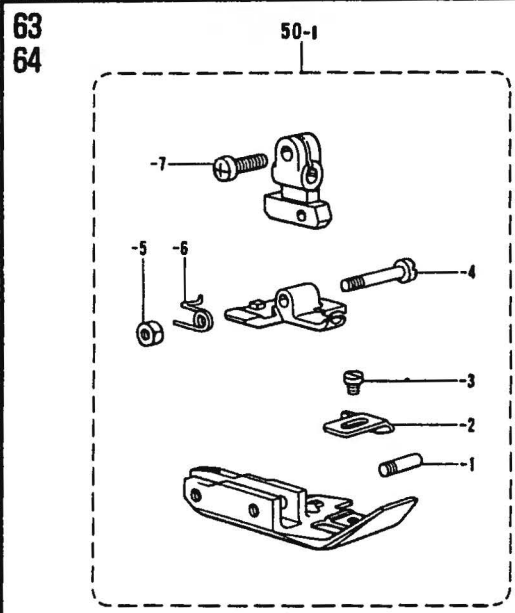


U. 押上脚铰 / Presser foot mechanism / Stoffdruckertuis /  
 Mécanisme du pied presseur / Mecanismo del prensa telas



D. 押工関係/Presser foot mechanism/Stoofvoetmechanisme/  
 Mécanisme du pied presseur/Mecanismo del prensa telas

| REF.NO. | CODE      | QTY | 品名            | NAME OF PARTS             | RMKS |
|---------|-----------|-----|---------------|---------------------------|------|
| 1       | S20472001 | 1   | オサエチヨウセツネジ    | PRESSER ADJUST SCREW      |      |
| 2       | S23341009 | 1   | チヨウセツネジツマミナツト | NUT                       |      |
| 3       | S23354001 | 1   | オサエウテクミA      | PRESSER ARM ASSEMBLY (A)  |      |
| 3-1     | S20473001 | 1   | オサエホウクミ       | PRESSER BAR ASSEMBLY      | *    |
| 3-1-1   | S20475000 | 1   | オサエクッション      | PRESSER CUSHION           |      |
| 3-2     | S20492001 | 1   | シュオサエウテ       | MAIN PRESSER ARM          | *    |
| 4       | S20476001 | 1   | オサエハネ         | PRESSER SPRING            |      |
| 5       | S20478001 | 1   | オサエテアケ        | PRESSER BAR LIFTER        |      |
| 6       | S20479001 | 1   | オサエテアケハネ      | PRESSER BAR LIFTER SPRING |      |
| 7       | S20480001 | 1   | タンネジ4         | STUD SCREW 4              |      |
| 8       | 146354001 | 1   | ワッシャー         | WASHER                    |      |
| 11      | S20482001 | 1   | オサエアシアケレバー    | PRESSER FOOT LIFTER LEVER |      |
| 12      | S20483001 | 1   | タンネジ8         | STUD SCREW 8              |      |
| 13      | S20484001 | 1   | オサエアシアケレバーハネ  | SPRING                    |      |
| 14      | S23349001 | 1   | レバーチヨウセツイタ    | LEVER ADJUST PLATE        |      |
| 15      | 062401016 | 2   | ナヘコ4X10       | SCREW 4X10                |      |
| 16      | 011502016 | 2   | トメネジ5X20ヒラ    | SET SCREW 5X20            |      |
| 17      | 021500316 | 2   | 3シユナツト5       | NUT 5                     |      |
| 18      | S20485001 | 1   | オサエアケリンク      | PRESSER BAR LIFTER LINK   |      |
| 19      | S20486001 | 1   | オサエアケレバー      | PRESSER BAR LIFTER LEVER  |      |
| 20      | S20487001 | 1   | オサエアケウテ       | PRESSER BAR LIFTER ARM    |      |
| 21      | S20175001 | 1   | アナホルト6X16ホソメ  | BOLT 6X16                 |      |
| 22      | S20488001 | 1   | ストツハネジ        | STOPPER SCREW             |      |
| 23      | S20489001 | 1   | オサエアケレバーハネ    | SPRING                    |      |
| 24      | S20490000 | 1   | オサエウテシクメタル    | PRESSER ARM SHAFT BUSH    |      |
| 25      | 012060636 | 1   | アナヒラ6X6       | SET SCREW 6X6             |      |
| 26      | S20491001 | 1   | オサエウテシク       | PRESSER ARM SHAFT         |      |
| 28      | S20493001 | 1   | オサエウテピン       | PIN                       |      |
| 29      | 012400436 | 1   | アナヒラ4X4       | SET SCREW 4X4             |      |
| 30      | S03321001 | 1   | オサエウテストツハ     | PRESSER ARM STOPPER       |      |
| 31      | S20740001 | 1   | シメネジ4X10シール   | SCREW 4X10 SEAL           |      |
| 32      | S20118001 | 1   | カラヌイメス        | TRIMMING KNIFE            |      |
| 33      | 060300416 | 1   | ハイントM3X4      | SCREW M3X4                |      |
| 37-1    | S20770001 | 1   | オサエネジリハネ      | TWIST SPRING              |      |
| 38      | 060300416 | 1   | ハイント3X4       | SCREW 3X4                 |      |
|         |           |     | <テニムヨウ>       | <FOR HEAVY>               |      |
| 37-2    | S20115001 | 1   | オサエネジリハネ      | TWIST SPRING              |      |
|         |           |     | <テープツケヨウ>     | <FOR TAPING>              |      |
| 39      | S23364000 | 1   | テープアンナイ       | TAPE GUIDE                |      |



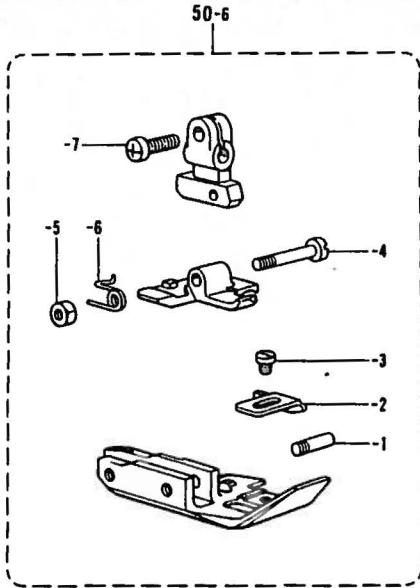


D. 押上脚体 / Presser foot mechanism / Stofdruckerfuß /  
 Mécanisme du pied presseur / Mecanismo del prensa telas

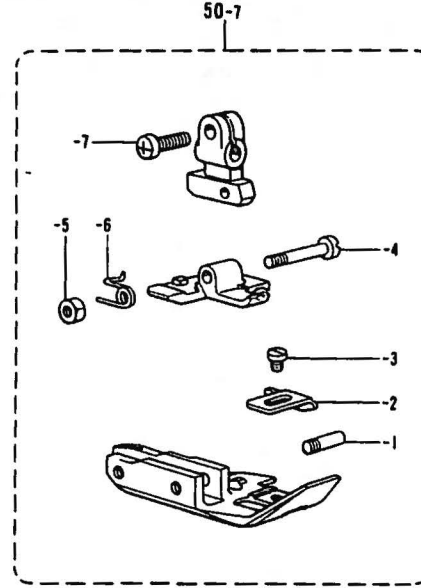
| REF.NO. | CODE      | QTY | 品名            | NAME OF PARTS                  | RMKS |
|---------|-----------|-----|---------------|--------------------------------|------|
|         |           |     | <63,64>       |                                |      |
| 50-1    | S19313001 | 1   | オサエクミ         | PRESSER FOOT ASSEMBLY          |      |
| 50-1-1  | S19311001 | 1   | オサエササエネジ      | PRESSER FOOT SUPPORT SCREW     |      |
| 50-1-2  | S19312001 | 1   | オサエF          | PRESSER FOOT (F)               |      |
| 50-1-3  | S01295001 | 1   | シメネジ"2.38X3.5 | SCREW 2.38X3.5                 |      |
| 50-1-4  | S19307001 | 1   | オサエBササエネジ     | PRESSER FOOT (B) SUPPORT SCREW |      |
| 50-1-5  | S19308001 | 1   | 2シュナット318-44  | NUT 318-44                     |      |
| 50-1-6  | S19309001 | 1   | オサエBネジ"リハ"ネ   | TWIST SPRING                   |      |
| 50-1-7  | 062670712 | 1   | ナハ"コ357-40X7  | SCREW 357X7                    |      |
|         |           |     | <65,66>       |                                |      |
| 50-2    | S19317001 | 1   | オサエクミ         | PRESSER FOOT ASSEMBLY          |      |
| 50-2-1  | S19311001 | 1   | オサエササエネジ      | PRESSER FOOT SUPPORT SCREW     |      |
| 50-2-2  | S19312001 | 1   | オサエF          | PRESSER FOOT (F)               |      |
| 50-2-3  | S01295001 | 1   | シメネジ"2.38X3.5 | SCREW 2.38X3.5                 |      |
| 50-2-4  | S19307001 | 1   | オサエBササエネジ     | PRESSER FOOT (B) SUPPORT SCREW |      |
| 50-2-5  | S19308001 | 1   | 2シュナット318-44  | NUT 318-44                     |      |
| 50-2-6  | S19309001 | 1   | オサエBネジ"リハ"ネ   | TWIST SPRING                   |      |
| 50-2-7  | 062670712 | 1   | ナハ"コ357-40X7  | SCREW 357X7                    |      |
|         |           |     | <69,70>       |                                |      |
| 50-3    | S19321001 | 1   | オサエクミ         | PRESSER FOOT ASSEMBLY          |      |
| 50-3-1  | S19311001 | 1   | オサエササエネジ      | PRESSER FOOT SUPPORT SCREW     |      |
| 50-3-2  | S19325001 | 1   | オサエF          | PRESSER FOOT (F)               |      |
| 50-3-3  | S01295001 | 1   | シメネジ"2.38X3.5 | SCREW 2.38X3.5                 |      |
| 50-3-4  | S19307001 | 1   | オサエBササエネジ     | PRESSER FOOT (B) SUPPORT SCREW |      |
| 50-3-5  | S19308001 | 1   | 2シュナット318-44  | NUT 318-44                     |      |
| 50-3-6  | S19309001 | 1   | オサエBネジ"リハ"ネ   | TWIST SPRING                   |      |
| 50-3-7  | 062670712 | 1   | ナハ"コ357-40X7  | SCREW 357X7                    |      |
|         |           |     | <71,72>       |                                |      |
| 50-4    | S19326001 | 1   | オサエクミ         | PRESSER FOOT ASSEMBLY          |      |
| 50-4-1  | S19311001 | 1   | オサエササエネジ      | PRESSER FOOT SUPPORT SCREW     |      |
| 50-4-2  | S19325001 | 1   | オサエF          | PRESSER FOOT (F)               |      |
| 50-4-3  | S01295001 | 1   | シメネジ"2.38X3.5 | SCREW 2.38X3.5                 |      |
| 50-4-4  | S19307001 | 1   | オサエBササエネジ     | PRESSER FOOT (B) SUPPORT SCREW |      |
| 50-4-5  | S19308001 | 1   | 2シュナット318-44  | NUT 318-44                     |      |
| 50-4-6  | S19309001 | 1   | オサエBネジ"リハ"ネ   | TWIST SPRING                   |      |
| 50-4-7  | 062670712 | 1   | ナハ"コ357-40X7  | SCREW 357X7                    |      |
|         |           |     | <92,93>       |                                |      |
| 50-5    | S19334001 | 1   | オサエクミ         | PRESSER FOOT ASSEMBLY          |      |
| 50-5-1  | S19311001 | 3   | オサエササエネジ      | PRESSER FOOT SUPPORT SCREW     |      |
| 50-5-2  | S19340001 | 1   | オサエF          | PRESSER FOOT (F)               |      |
| 50-5-3  | 106640001 | 1   | シメネジ"3.18     | SCREW 3.18                     |      |
| 50-5-4  | 062670712 | 1   | ナハ"コ357-40X7  | SCREW 357X7                    |      |



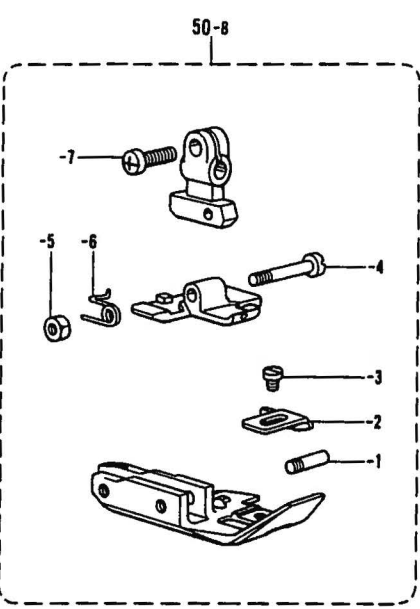
61  
62



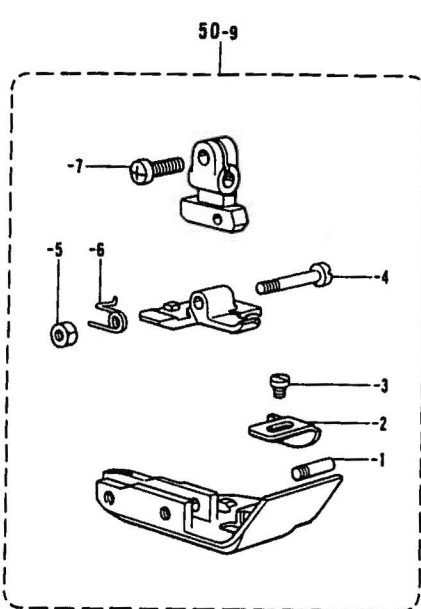
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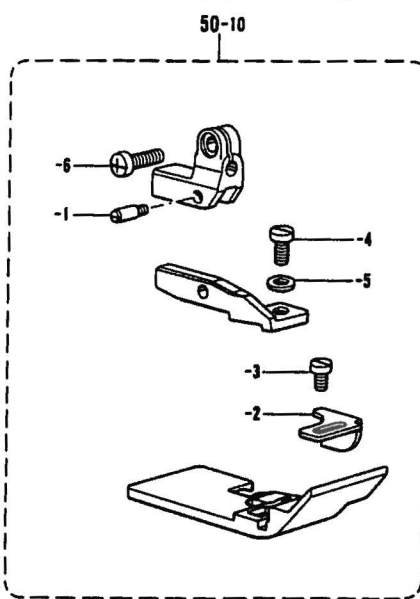
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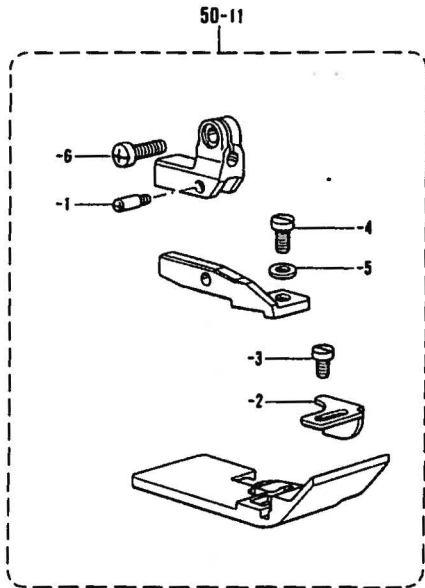
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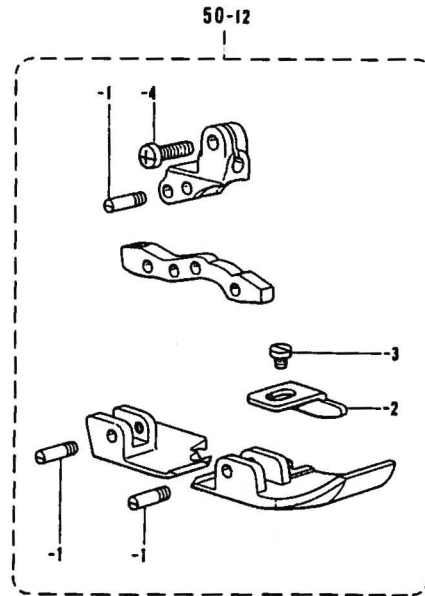
D. 押工関係 / Presser foot mechanism / Stopparuckertuis /  
 Mécanisme du pied presseur / Mecanismo del prensa telas

| REF.NO. | CODE      | Q'TY | ヒンメイ           | NAME OF PARTS                  | RMKS |
|---------|-----------|------|----------------|--------------------------------|------|
|         |           |      | <61,62>        |                                |      |
| 50-6    | S19304001 | 1    | オウエクミ          | PRESSER FOOT ASSEMBLY          |      |
| 50-6-1  | S19311001 | 1    | オウエササエネシ       | PRESSER FOOT SUPPORT SCREW     |      |
| 50-6-2  | S19312001 | 1    | オウエF           | PRESSER FOOT (F)               |      |
| 50-6-3  | S01295001 | 1    | シメネシ"2.38X3.5  | SCREW 2.38X3.5                 |      |
| 50-6-4  | S19307001 | 1    | オウエBササエネシ      | PRESSER FOOT (B) SUPPORT SCREW |      |
| 50-6-5  | S19308001 | 1    | 2シユナツト318-44   | NUT 318-44                     |      |
| 50-6-6  | S19309001 | 1    | オウエBネシ"リハ"ネ    | TWIST SPRING                   |      |
| 50-6-7  | 062670712 | 1    | ナヘ"コ357-40X7   | SCREW 357X7                    |      |
|         |           |      | <81,82>        |                                |      |
| 50-7    | S19330001 | 1    | オウエクミ          | PRESSER FOOT ASSEMBLY          |      |
| 50-7-1  | S19311001 | 1    | オウエササエネシ       | PRESSER FOOT SUPPORT SCREW     |      |
| 50-7-2  | S19312001 | 1    | オウエF           | PRESSER FOOT (F)               |      |
| 50-7-3  | S01295001 | 1    | シメネシ"2.38X3.5  | SCREW 2.38X3.5                 |      |
| 50-7-4  | S19307001 | 1    | オウエBササエネシ      | PRESSER FOOT (B) SUPPORT SCREW |      |
| 50-7-5  | S19308001 | 1    | 2シユナツト318-44   | NUT 318-44                     |      |
| 50-7-6  | S19309001 | 1    | オウエBネシ"リハ"ネ    | TWIST SPRING                   |      |
| 50-7-7  | 062670712 | 1    | ナヘ"コ357-40X7   | SCREW 357X7                    |      |
|         |           |      | <83,84>        |                                |      |
| 50-8    | S20882001 | 1    | オウエクミ          | PRESSER FOOT ASSEMBLY          |      |
| 50-8-1  | S19311001 | 1    | オウエササエネシ       | PRESSER FOOT SUPPORT SCREW     |      |
| 50-8-2  | S19312001 | 1    | オウエF           | PRESSER FOOT (F)               |      |
| 50-8-3  | S01295001 | 1    | シメネシ"2.38X3.5  | SCREW 2.38X3.5                 |      |
| 50-8-4  | S19307001 | 1    | オウエBササエネシ      | PRESSER FOOT (B) SUPPORT SCREW |      |
| 50-8-5  | S19308001 | 1    | 2シユナツト318-44   | NUT 318-44                     |      |
| 50-8-6  | S19309001 | 1    | オウエBネシ"リハ"ネ    | TWIST SPRING                   |      |
| 50-8-7  | 062670712 | 1    | ナヘ"コ357-40X7   | SCREW 357X7                    |      |
|         |           |      | <67,68>        |                                |      |
| 50-9    | S25548001 | 1    | オウエクミ          | PRESSER FOOT ASSEMBLY          |      |
| 50-9-1  | S19311001 | 1    | オウエササエネシ       | PRESSER FOOT SUPPORT SCREW     |      |
| 50-9-2  | S19325001 | 1    | オウエF           | PRESSER FOOT (F)               |      |
| 50-9-3  | S01295001 | 1    | シメネシ"2.38X3.5  | SCREW 2.38X3.5                 |      |
| 50-9-4  | S19307001 | 1    | オウエBササエネシ      | PRESSER FOOT (B) SUPPORT SCREW |      |
| 50-9-5  | S19308001 | 1    | 2シユナツト318-44   | NUT 318-44                     |      |
| 50-9-6  | S19309001 | 1    | オウエBネシ"リハ"ネ    | TWIST SPRING                   |      |
| 50-9-7  | 062670712 | 1    | ナヘ"コ357-40X7   | SCREW 357X7                    |      |
|         |           |      | <75,76>        |                                |      |
| 50-10   | S25550001 | 1    | オウエクミ          | PRESSER FOOT ASSEMBLY          |      |
| 50-10-1 | S19311001 | 1    | オウエササエネシ       | PRESSER FOOT SUPPORT SCREW     |      |
| 50-10-2 | S25553001 | 1    | オウエF           | PRESSER FOOT (F)               |      |
| 50-10-3 | S01295001 | 1    | シメネシ"2.38X3.5  | SCREW 2.38X3.5                 |      |
| 50-10-4 | 106640001 | 1    | シメネシ"3.18      | SCREW 3.18                     |      |
| 50-10-5 | 025660132 | 1    | ヒラサ"カ"ネシヨウ3.18 | PLAIN WASHER 3.18              |      |
| 50-10-6 | 062670712 | 1    | ナヘ"コ357-40X7   | SCREW 357X7                    |      |

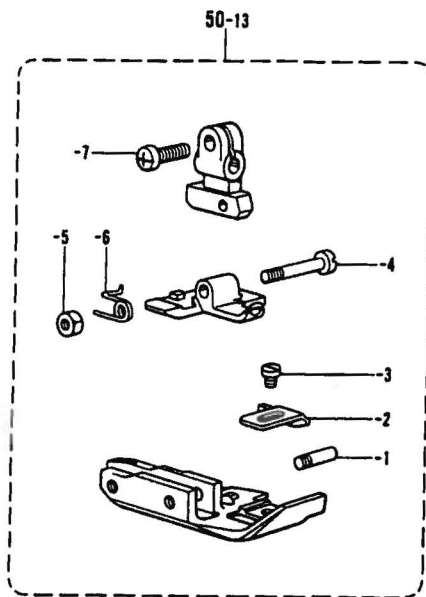
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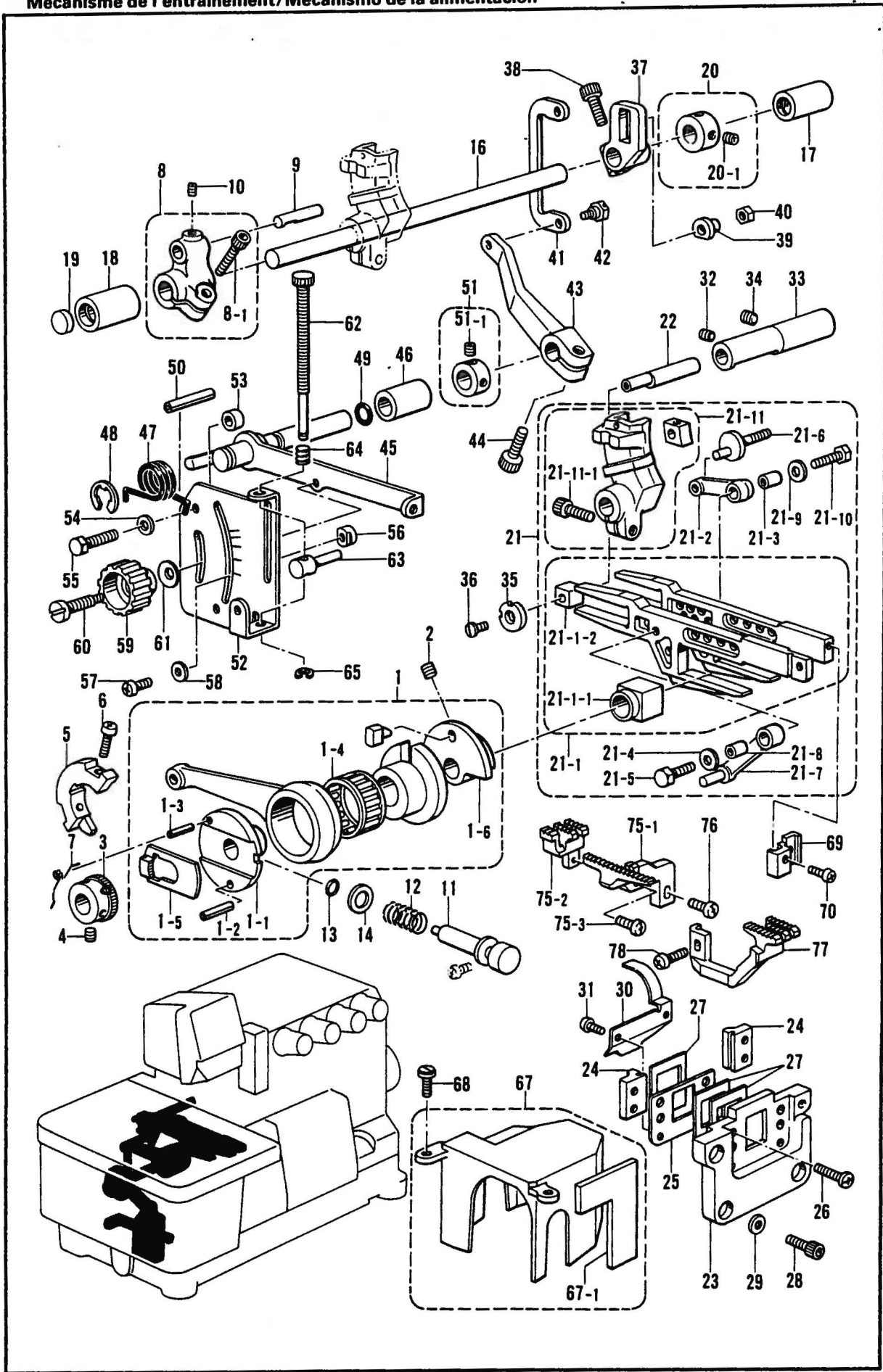




D. 昇工関係/Presser foot mechanism/Stoffdruckerrus/  
 Mécanisme du pied presseur/Mecanismo del prensa telas

| REF.NO. | CODE      | QTY | 品名             | NAME OF PARTS                  | RMKS |
|---------|-----------|-----|----------------|--------------------------------|------|
|         |           |     | <77,78>        |                                |      |
| 50-11   | S25555001 | 1   | オウイクミ          | PRESSER FOOT ASSEMBLY          |      |
| 50-11-1 | S19311001 | 1   | オウエササエネシ       | PRESSER FOOT SUPPORT SCREW     |      |
| 50-11-2 | S25553001 | 1   | オウエF           | PRESSER FOOT (F)               |      |
| 50-11-3 | S01295001 | 1   | シメネシ"2.38X3.5  | SCREW 2.38X3.5                 |      |
| 50-11-4 | 106640001 | 1   | シメネシ"3.18      | SCREW 3.18                     |      |
| 50-11-5 | 025660132 | 1   | ヒラサ"ガ"ネシヨウ3.18 | PLAIN WASHER 3.18              |      |
| 50-11-6 | 062670712 | 1   | ナヘ"コ357-40X7   | SCREW 357X7                    |      |
|         |           |     | <85,86>        |                                |      |
| 50-12   | S25557001 | 1   | オウイクミ          | PRESSER FOOT ASSEMBLY          |      |
| 50-12-1 | S19311001 | 3   | オウエササエネシ       | PRESSER FOOT SUPPORT SCREW     |      |
| 50-12-2 | S19340001 | 1   | オウエF           | PRESSER FOOT (F)               |      |
| 50-12-3 | 106640001 | 1   | シメネシ"3.18      | SCREW 3.18                     |      |
| 50-12-4 | 062670712 | 1   | ナヘ"コ357-40X7   | SCREW 357X7                    |      |
|         |           |     | <89,90>        |                                |      |
| 50-13   | S25560001 | 1   | オウイクミ          | PRESSER FOOT ASSEMBLY          |      |
| 50-13-1 | S19311001 | 1   | オウエササエネシ       | PRESSER FOOT SUPPORT SCREW     |      |
| 50-13-2 | S19312001 | 1   | オウエF           | PRESSER FOOT (F)               |      |
| 50-13-3 | S01295001 | 1   | シメネシ"2.38X3.5  | SCREW 2.38X3.5                 |      |
| 50-13-4 | S19307001 | 1   | オウエBササエネシ      | PRESSER FOOT (B) SUPPORT SCREW |      |
| 50-13-5 | S19308001 | 1   | 2シユナツト318-44   | NUT 318-44                     |      |
| 50-13-6 | S19309001 | 1   | オウエBネシ"リハ"ネ    | TWIST SPRING                   |      |
| 50-13-7 | 062670712 | 1   | ナヘ"コ357-40X7   | SCREW 357X7                    |      |

E. 送り関係 / Feed mechanism / Transportvorrichtung /  
 Mécanisme de l'entraînement / Mecanismo de la alimentación



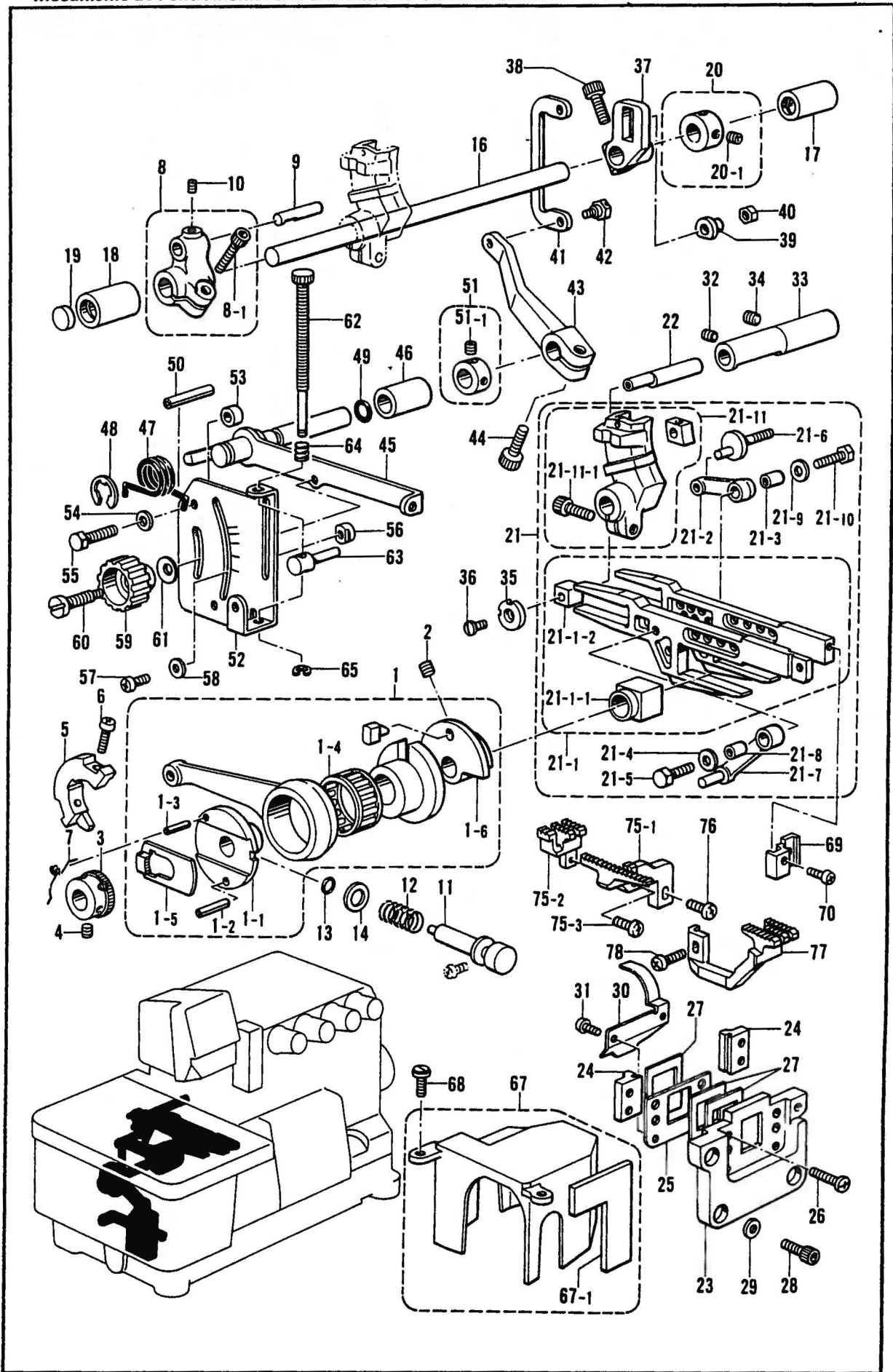


E. 送り関係 / Feed mechanism / Transportvorrichtung /  
 Mécanisme de l'entraînement / Mecanismo de la alimentación

| REF.NO. | CODE      | QTY | ヒンメイ         | NAME OF PARTS                    | RMKS |
|---------|-----------|-----|--------------|----------------------------------|------|
| 1       | S20496001 | 1   | ヘンシンリンクミ     | ECCENTRIC WHEEL ASSEMBLY         |      |
| 1-1     | S20498001 | 1   | チョウセツヘンシンリン  | ADJUST ECCENTRIC WHEEL           |      |
| 1-2     | 047301242 | 1   | スプリングピンAW3   | SPRING PIN AW3                   |      |
| 1-3     | 047250842 | 1   | スプリングピンAW2.5 | SPRING PIN AW2.5                 |      |
| 1-4     | S20500001 | 1   | ニードルシクウケ24   | NEEDLE ROLLER BEARING 24         |      |
| 1-4     | S20500002 | 1   | ニードルシクウケ24   | NEEDLE ROLLER BEARING 24         |      |
| 1-4     | S20500003 | 1   | ニードルシクウケ24   | NEEDLE ROLLER BEARING 24         |      |
| 1-5     | S20501001 | 1   | ラチェットストッパ    | RATCHET STOPPER                  |      |
| 1-6     | S23627000 | 1   | ヘンシンガイドササエ   | ECCENTRIC GUIDE SUPPORT          |      |
| 2       | 012060636 | 2   | アナヒラ6X6      | SET SCREW 6X6                    |      |
| 3       | S20507001 | 1   | ラチェット        | RATCHET                          |      |
| 4       | 012060636 | 2   | アナヒラ6X6      | SET SCREW 6X6                    |      |
| 5       | S23615001 | 1   | バランスウエイト     | BALANCE WEIGHT                   |      |
| 6       | 062401016 | 2   | ナヘコ4X10      | SCREW 4X10                       |      |
| 7       | S23458001 | 1   | ラチェットメネジリハネ  | TWIST SPRING                     |      |
| 8       | S20739001 | 1   | オクリウデクミ      | FEED ARM ASSEMBLY                |      |
| 8-1     | S20175001 | 1   | アナホルト6X16ホソメ | BOLT 6X16                        |      |
| 9       | S23347001 | 1   | オクリウデシク      | FEED ARM SHAFT                   |      |
| 10      | 012060636 | 1   | アナヒラ6X6      | SET SCREW 6X6                    |      |
| 11      | S20508001 | 1   | オクリウデ調整タンシク  | FEED ADJUST SHAFT                |      |
| 12      | S20509001 | 1   | ホタンシクハネ      | SPRING                           |      |
| 13      | 081007670 | 1   | OリングPW7      | O RING PW7                       |      |
| 14      | S21003001 | 1   | ワッシャー9.6     | WASHER 9.6                       |      |
| 16      | S20512001 | 1   | オクリシク        | FEED SHAFT                       |      |
| 17      | S20513000 | 1   | メタル11.11-16  | BUSH 11.11-16                    |      |
| 18      | S23797000 | 1   | オクリシクメタルL    | FEED SHAFT BUSH (L)              |      |
| 19      | S20164009 | 1   | メクラセン        | OIL CAP                          |      |
| 20      | S23619001 | 1   | セツカラークミ      | SET COLLAR ASSEMBLY              |      |
| 20-1    | 012060636 | 2   | アナヒラ6X6      | SET SCREW 6X6                    |      |
| 21      | S20829001 | 1   | オクリタイソウクミ    | FEED BAR SET                     |      |
| 21-1    | S20515001 | 1   | オクリタイソウクミ    | FEED BAR SLIDE BLOCK ASSEMBLY    |      |
| 21-1-1  | S20519001 | 1   | シヨウケオクリカクゴマ  | FEED LIFTING SLIDE BLOCK         |      |
| 21-1-2  | S20520000 | 1   | オクリタイソウクミ    | FEED BAR SLIDE BLOCK             |      |
| 21-2    | S20534001 | 1   | シュオクリリンク     | MAIN FEED LINK                   |      |
| 21-3    | S20535001 | 1   | リンクブッシュ      | LINK BUSH                        |      |
| 21-4    | S23359001 | 1   | ワッシャー        | WASHER                           |      |
| 21-5    | S23360001 | 1   | ボルト5X15      | BOLT 5X15                        |      |
| 21-6    | S20532001 | 1   | シュオクリシク      | MAIN FEED SHAFT                  |      |
| 21-7    | S20541001 | 1   | サトウオクリリンク    | DIFFERENTIAL FEED LINK           |      |
| 21-8    | S20535001 | 1   | リンクブッシュ      | LINK BUSH                        |      |
| 21-9    | S23359001 | 1   | ワッシャー        | WASHER                           |      |
| 21-10   | S23360001 | 1   | ボルト5X15      | BOLT 5X15                        |      |
| 21-11   | S20536001 | 1   | サトウオクリウデコマクミ | DIFFERENTIAL FEED ARM ASSEMBLY   |      |
| 21-11-1 | S20175001 | 1   | アナホルト6X16ホソメ | BOLT 6X16                        |      |
| 22      | S20528001 | 1   | オクリタイソウクミ    | FEED BAR SLIDE BLOCK SHAFT       |      |
| 23      | S20523000 | 1   | オクリタイソウガイド   | FEED BAR GUIDE SUPPORT           |      |
| 24      | S20524000 | 2   | オクリタイソウガイド   | FEED BAR GUIDE                   |      |
| 25      | S20525001 | 1   | ホウシナイタササエ    | FRAGMENT PROTECTOR PLATE SUPPORT |      |
| 26      | S20740001 | 4   | シメネジ4X10シール  | SCREW 4X10 SEAL                  |      |
| 27      | S20526000 | 3   | ホウシナイタ       | FRAGMENT PROTECTOR PLATE         |      |
| 28      | 018400836 | 4   | アナボルト4X8     | BOLT 4X8                         |      |
| 29      | 025040132 | 4   | ヒラワッシャー4     | PLAIN WASHER 4                   |      |
| 30      | S20527001 | 1   | オイルリターンプレート  | OIL REJECTOR PLATE               |      |
| 31      | S23453001 | 2   | ナヘコ3X5シール    | SCREW 3X5 SEAL                   |      |
| 32      | 012400436 | 1   | アナヒラ4X4      | SET SCREW 4X4                    |      |
| 33      | S20529001 | 1   | カクゴマシクメタル    | SLIDE BLOCK SHAFT BUSH           |      |
| 34      | 012060636 | 1   | アナヒラ6X6      | SET SCREW 6X6                    |      |
| 35      | S20530001 | 1   | ワッシャー        | WASHER                           |      |
| 36      | 061350616 | 1   | ワッシャー35X6    | SCREW 35X6                       |      |
| 37      | S20531001 | 1   | シュオクリウデ      | MAIN FEED ARM                    |      |
| 38      | S20175001 | 1   | アナホルト6X16ホソメ | BOLT 6X16                        |      |
| 39      | S20533001 | 1   | シュオクリシクカラー   | MAIN FEED SHAFT COLLAR           |      |

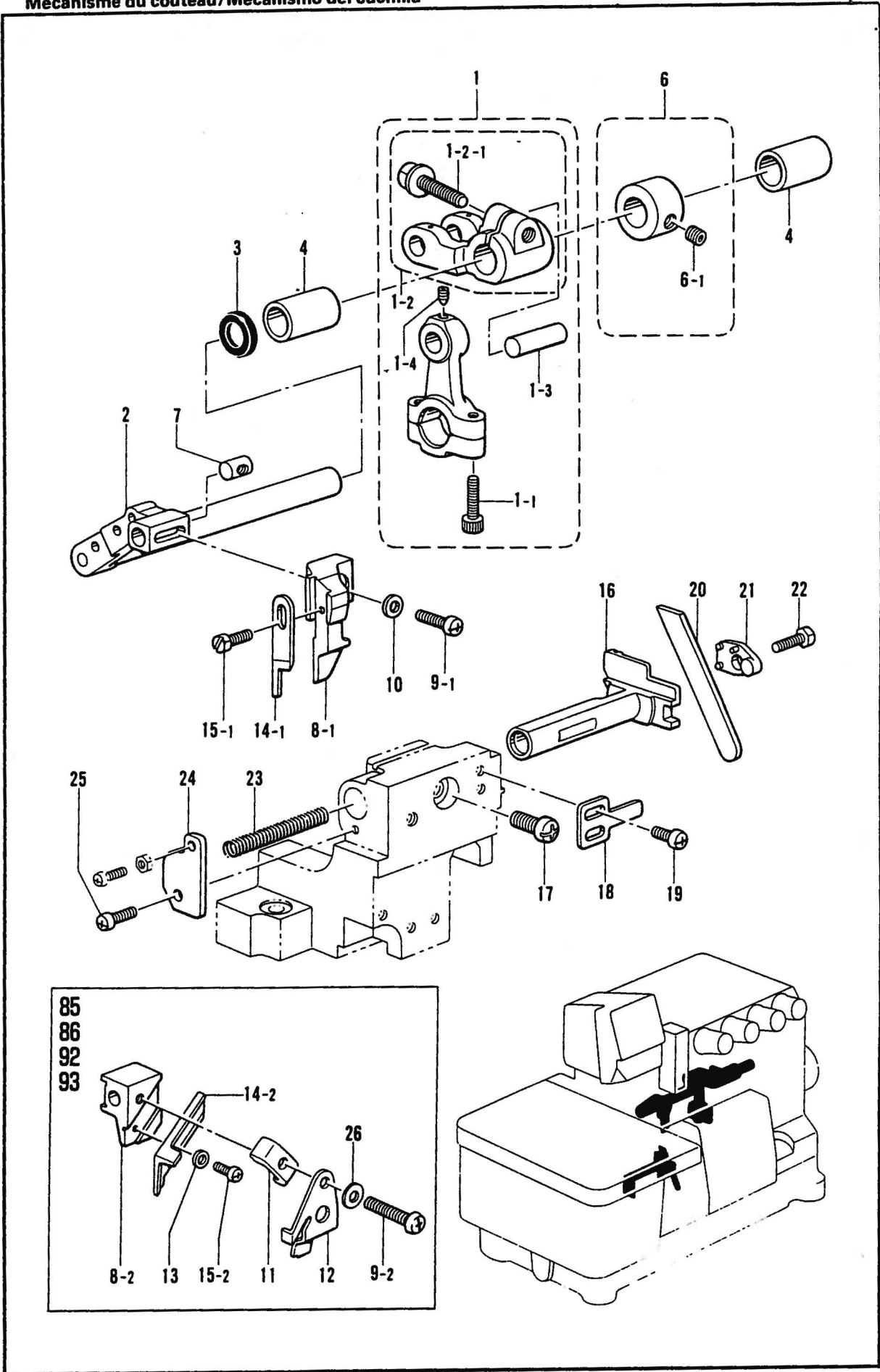
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E. 送り関係 / feed mechanism / transportvorrichtung /  
 Mécanisme de l'entraînement / Mecanismo de la alimentación

| REF.NO. | CODE      | Q'TY | ヒンメイ            | NAME OF PARTS                     | RMKS |
|---------|-----------|------|-----------------|-----------------------------------|------|
| 40      | 021500316 | 1    | 3シュナツト5         | NUT 5                             |      |
| 41      | S20542001 | 1    | サトウチヨウセツリンク     | DIFFERENTIAL FEED ADJUST LINK     |      |
| 42      | S20543001 | 1    | ダンネシ"5          | STUD SCREW 5                      |      |
| 43      | S20544000 | 1    | サトウリンクレハ"ー      | DIFFERENTIAL LINK LEVER           |      |
| 44      | 018061436 | 1    | アナホルト6X14       | BOLT 6X14                         |      |
| 45      | S20545001 | 1    | サトウチヨウセツレハ"ー    | DIFFERENTIAL FEED ADJUST LEVER    |      |
| 46      | S20546001 | 1    | チヨウセツレハ"ーメタル    | FEED ADJUST LEVER BUSH            |      |
| 47      | S20547001 | 1    | レハ"ーハ"ネ         | SPRING                            |      |
| 48      | 048090342 | 1    | トメウE9           | STOP RING E9                      |      |
| 49      | 081005670 | 1    | Oリング"PW5        | O RING PW5                        |      |
| 50      | 047502242 | 1    | スプリング"ヒン"AW5    | SPRING PIN AW5                    |      |
| 51      | S23612001 | 1    | セツトカラークミ        | SET COLLAR ASSEMBLY               |      |
| 51-1    | 012060636 | 2    | アナヒラ6X6         | SET SCREW 6X6                     |      |
| 52      | S20554001 | 1    | サトウリヨウメモリイタ     | DIFFERENTIAL STITCH CONTROL PLATE |      |
| 53      | S20548001 | 2    | カラ"ー            | COLLAR                            |      |
| 54      | 025060232 | 2    | ヒラサ"ガ"ネチユウ6     | PLAIN WASHER 6                    |      |
| 55      | 017061616 | 2    | ホルト6X16         | BOLT 6X16                         |      |
| 56      | S25818001 | 2    | チヨウセツレハ"ーストツハ"  | STOPPER FOR ADJUST LEVERS         |      |
| 57      | 062350616 | 2    | ナヘ"コM3.5X6      | SCREW M3.5X6                      |      |
| 58      | 105161004 | 2    | サ"ガ"ネ           | WASHER                            |      |
| 59      | S20549001 | 1    | セツトネシ"ツマミ       | SET SCREW KNOB                    |      |
| 60      | S20550001 | 1    | セツトネシ"          | SET SCREW                         |      |
| 61      | S20560001 | 1    | サ"ラハ"ネサ"ガ"ネ     | SPRING WASHER                     |      |
| 62      | S20561001 | 1    | マイクロチヨウセツネシ"    | MICRO ADJUST SCREW                |      |
| 63      | S20165001 | 1    | マイクロチヨウセツストツハ"  | MICRO ADJUST STOPPER              |      |
| 64      | S29094001 | 1    | マイクロチヨウセツネシ"ハ"ネ | MICRO ADJUST SPRING               |      |
| 65      | 048040342 | 1    | トメウE4           | STOP RING E4                      |      |
| 67      | S21091000 | 1    | ヘンシンリンカハ"ークミ    | ECCENTRIC WHEEL COVER ASSEMBLY    |      |
| 67-1    | S21092000 | 1    | カハ"ースホ"ンシ"      | COVER SPONGE                      |      |
| 68      | S23616001 | 2    | シメネシ"4X10       | SCREW 4X10                        |      |
| 69      | S23628001 | 1    | シユオクリハ"トリツケタイ   | MAIN FEED DOG SET BRACKET         |      |
| 70      | 062350816 | 1    | ナヘ"コ3.5X8       | SCREW 3.5X8                       |      |
| 75      | *         | 1    | シユオクリハ"クミ       | MAIN FEED DOG ASSEMBLY            |      |
| 75-1    | *         | 1    | シユオクリハ"         | MAIN FEED DOG                     |      |
| 75-2    | *         | 1    | ホシ"ヨオクリハ"       | CHAIN FEED DOG                    |      |
| 75-3    | 060630712 | 1    | ハ"イント"238-56X7  | SCREW 238X7                       |      |
| 76      | 062350816 | 1    | ナヘ"コ3.5X8       | SCREW 3.5X8                       |      |
| 77      | *         | 1    | サトウオクリハ"        | DIFFERENTIAL FEED DOG             |      |
| 78      | 062350816 | 1    | ナヘ"コ3.5X8       | SCREW 3.5X8                       |      |

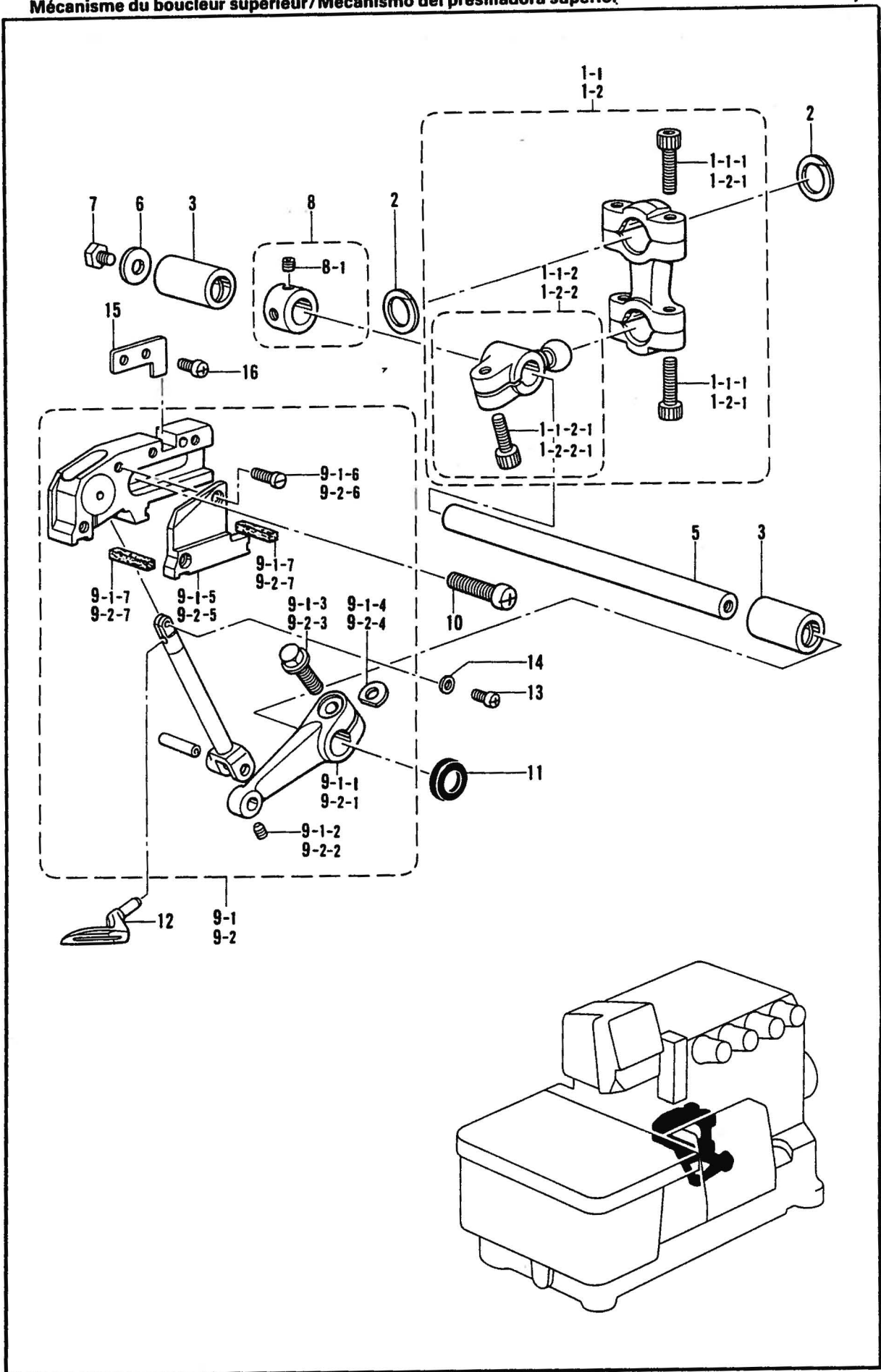




フ. エメス・トメメ機/ Knife mechanism/ meseri /  
 Mécanisme du couteau/Mecanismo del cuchilla

| REF.NO.  | CODE        | QTY | ヒンメイ            | NAME OF PARTS                        | RMKS |
|--|-------------|-----|-----------------|--------------------------------------|------|
| 1  | ★ S20586001 | 1   | ウフメスクランクロッド"クミ  | UPPER KNIFE DRIVING ROD ASSEMBLY (I) |      |
| 1-1  | 018401622   | 2   | アナボ"ルト4X16      | BOLT 4X16                            |      |
| 1-2  | S20587001   | 1   | メスクランクシ"クウデ"クミ  | KNIFE DRIVING LEVER (I) ASSEMBLY     | ※    |
| 1-2-1  | S20849001   | 1   | フランシ"ホルト6X16ホソメ | BOLT 6X16                            |      |
| 1-3  | S20570001   | 1   | ウフメスクランクウデ"シ"ク  | CRANK ARM SHAFT                      | ※    |
| 1-4  | S23342001   | 1   | アトガ"リ4X5        | SET SCREW 4X5                        |      |
| 2  | S20571101   | 1   | ウフメスサ"クウデ"      | UPPER KNIFE DIFFERENTIAL ARM         |      |
| 3  | 155247000   | 1   | ダ"ストシール         | DUST SEAL                            |      |
| 4  | S20513000   | 2   | メタル11.11-16     | BUSH 11.11-16                        |      |
| 6  | S23619001   | 1   | セツ"カラークミ        | SET COLLAR ASSEMBLY                  |      |
| 6-1  | 012060636   | 2   | アナヒラ6X6         | SET SCREW 6X6                        |      |
| 7  | S20574001   | 1   | ウフメスタ"キナツト      | NUT                                  |      |
| 8-1  | S20589001   | 1   | ウフメスタ"キ         | UPPER KNIFE HOLDER                   |      |
| 9-1  | 062401216   | 1   | ナハ"コM4X12       | SCREW M4X12                          |      |
| 10   | 025040132   | 1   | ヒラサ"ガ"ネシヨウ4     | PLAIN WASHER 4                       |      |
| 14-1   | * 144074200 | 1   | ウフメス            | UPPER KNIFE                          |      |
| 15-1   | S23621001   | 1   | ボ"ルト35X8        | BOLT 35X8                            |      |
| 16   | S20591001   | 1   | シタメストリツクダ"イ     | LOWER KNIFE HOLDER                   |      |
| 17   | 062061016   | 1   | ナハ"コ6X10        | SCREW 6X10                           |      |
| 18   | S20581001   | 1   | シタメストリツクダ"イアンナイ | LOWER KNIFE HOLDER GUIDE             |      |
| 19   | 062400616   | 2   | ナハ"コM4X6        | SCREW M4X6                           |      |
| 20   | *           | 1   | シタメス            | LOWER KNIFE                          |      |
| 21   | S20584001   | 1   | シタメスオサエ         | LOWER KNIFE PRESSER                  |      |
| 22   | 017500816   | 1   | ボ"ルト5X8         | BOLT 5X8                             |      |
| 23   | S20585001   | 1   | シタメストリツクダ"イハ"ネ  | SPRING                               |      |
| 24   | S20736001   | 1   | シタメスハ"ネウケ       | SPRING HOLDER                        |      |
| 25   | 062400816   | 1   | ナハ"コ4X8         | SCREW 4X8                            |      |
|  |             |     | <コクナイヨウ>        | <FOR EXPORT>                         |      |
|  |             |     | <オプションパーツ>      | <FOR HEAVY>                          |      |
| 8-2  | S20590001   | 1   | ウフメスタ"キ         | UPPER KNIFE HOLDER                   |      |
| 9-2  | 062402516   | 1   | ナハ"コ4X25        | SCREW 4X25                           |      |
| 11   | S20577001   | 1   | ウフメスオサエ         | UPPER KNIFE PRESSER                  |      |
| 12   | S20578001   | 1   | ウフメスオサエイタ       | UPPER KNIFE PRESSER PLATE            |      |
| 13   | 025030132   | 1   | ヒラサ"ガ"ネシヨウ3     | PLAIN WASHER 3                       |      |
| 14-2   | *           | 1   | カクメス            | ANGLE KNIFE                          |      |
| 15-2   | 062300516   | 1   | ナハ"コ3X5         | SCREW 3X5                            |      |
| 26   | 125324001   | 1   | ヒラサ"ガ"ネタ"イ4アツ   | PLAIN WASHER 4                       |      |
| <オプションパーツ /OPTION PARTS>   |             |     |                 |                                      |      |
| 14-2   | S20896001   | 1   | カクメス(ハハ"セマ)     | ANGLE KNIFE (NARROW)                 |      |
| 14-2   | S20897001   | 1   | カクメス(ハハ"セマ ナミハ) | ANGLE KNIFE (NARROW WAVE EDGE)       |      |
| 14-2   | S20579001   | 1   | カクメス(ハハ"ヒロ)     | ANGLE KNIFE (WIDE)                   |      |
| 14-2   | S20898001   | 1   | カクメス(ハハ"ヒロ ナミハ) | ANGLE KNIFE (WIDE WAVE EDGE)         |      |
| ★クドウジクとロッドは、同色(赤色・青色の2種類)の組合わせて、選択組付けをしています。<br>ご注文の際には、色を指定して下さい。<br>★ The crank shaft and rod are to be selected and installed to parts of the same color (2 types: red and blue). Be sure to specify a color when ordering.<br>★ Die Kurbelwelle und die Stange müssen mit den gleichfarbigen Teilen (zwei Typen: rot und blau) ausgewählt und montiert werden. Geben Sie daher bei der Bestellung unbedingt die Farbe an.<br>★ L'arbre et la bielle doivent être choisis et montés avec des pièces de couleur identique (2 types: rouge et bleu). Veiller à bien préciser la couleur en passant la commande.<br>★ El cigüeñal y la varilla del cigüeñal se deben seleccionar e instalar con las piezas del mismo color (dos tipos: rojas y azules). Al hacer el pedido se debe especificar el color. |             |     |                 |                                      |      |

G. 上ルーバ関係 / Over looper mechanism / Oberen Greifer /  
 Mécanisme du boucleur supérieur / Mecanismo del presilladora superior





G. 上ルーハ関係 / Over looper mechanism / Oberein Greiner /  
 Mécanisme du boucleur supérieur / Mecanismo del presilladora superior

| REF.NO.   | CODE        | QTY | 品名                | NAME OF PARTS                             | RMKS |
|---|-------------|-----|-------------------|---|------|
| 2   | S20598000   | 2   | ロッド"フレ"メ          | ROD STOPPER                               |      |
| 3   | S20513000   | 2   | メタル11.11-16       | BUSH 11.11-16                             |      |
| 5   | S20601001   | 1   | ウフルーハ"シ"ク         | OVER LOOPER SHAFT                         |      |
| 6   | S23626001   | 1   | ワッシャー             | WASHER                                    |      |
| 7   | 017060816   | 1   | ボルト6X8            | BOLT 6X8                                  |      |
| 8   | S23619001   | 1   | セットカラークミ          | SET COLLAR ASSEMBLY                       |      |
| 8-1   | 012060636   | 2   | アナヒラ6X6           | SET SCREW 6X6                             |      |
| 10  | 062061416   | 2   | ナヘ"コ"6X14         | SCREW 6X14                                |      |
| 11  | 155247000   | 1   | ダストシール            | DUST SEAL                                 |      |
| 12  | *           | 1   | ウフルーハ             | OVER LOOPER                               |      |
| 13  | 062350616   | 1   | ナヘ"コ"3.5X6        | SCREW M3.5X6                              |      |
| 14  | S20614001   | 1   | スパーサ              | SPACER                                    |      |
| 15  | S23611001   | 1   | アンナイメタルイチキ"メ"イタ   | GUIDE BUSH POSITIONING PLATE              |      |
| 16  | 062400616   | 2   | ナヘ"コ"4X6          | SCREW M4X6                                |      |
| <スタンダードヨウ /FOR STANDARD>                          |             |     |                   |   |      |
| 1-1   | ★ S23373001 | 1   | ウフルーハ"ロッド"クミS     | OVER LOOPER CONNECTING ROD ASSEMBLY (S)   |      |
| 1-1-1   | 018401622   | 4   | アナボルト4X16         | BOLT 4X16                                 |      |
| 1-1-2   | S20592001   | 1   | OL"シ"クウテ"Sネジ"ツキ   | SHAFT ARM WITH SCREW (S)                  |      |
| 1-1-2-1   | S23346001   | 1   | アナボルト6X14ホソメ      | BOLT 6X14                                 |      |
| <ハイリフト, チョウハイリフト /FOR HIGH-LIFT, EXTRA HIGH-LIFT> |             |     |                   |   |      |
| 1-2   | ★ S23374001 | 1   | ウフルーハ"ロッド"クミHEU   | OVER LOOPER CONNECTING ROD ASSEMBLY (HEU) |      |
| 1-2-1   | 018401622   | 4   | アナボルト4X16         | BOLT 4X16                                 |      |
| 1-2-2   | S20596001   | 1   | OL"シ"クウテ"HEUネジ"ツキ | SHAFT ARM WITH SCREW (HEU)                |      |
| 1-2-2-1   | S23346001   | 1   | アナボルト6X14ホソメ      | BOLT 6X14                                 |      |
| <スタンダードヨウ /FOR STANDARD>                          |             |     |                   |   |      |
| 9-1   | S20602001   | 1   | ウフルーハ"キ"コウクミ      | OVER LOOPER MECHANISM ASSEMBLY            |      |
| 9-1-1   | S20604001   | 1   | ウフルーハ"ウテ"40       | OVER LOOPER ARM 40                        |      |
| 9-1-2   | S23342001   | 1   | アナトガ"4X5          | SET SCREW 4X5                             |      |
| 9-1-3   | S20849001   | 1   | フランジ"ボルト"6X16ホソメ  | BOLT 6X16                                 |      |
| 9-1-4   | 155162001   | 1   | スパーサ              | SPACER                                    |      |
| 9-1-5   | S20609000   | 1   | ウフルーハ"アンナイ"オサエ    | OVER LOOPER GUIDE HOLDER                  |      |
| 9-1-6   | S23417001   | 2   | シメネジ"3.5X8        | SCREW 3.5X8                               |      |
| 9-1-7   | S20610000   | 2   | パッキン              | PACKING                                   |      |
| <チョウハイリフトヨウ /FOR EXTRA HIGH-LIFT 85, 86, 92, 93>  |             |     |                   |   |      |
| 9-2   | S20611001   | 1   | ウフルーハ"キ"コウクミ      | OVER LOOPER MECHANISM ASSEMBLY            |      |
| 9-2-1   | S20613001   | 1   | ウフルーハ"ウテ"42       | OVER LOOPER ARM 42                        |      |
| 9-2-2   | S23342001   | 1   | アナトガ"4X5          | SET SCREW 4X5                             |      |
| 9-2-3   | S20849001   | 1   | フランジ"ボルト"6X16ホソメ  | BOLT 6X16                                 |      |
| 9-2-4   | 155162001   | 1   | スパーサ              | SPACER                                    |      |
| 9-2-5   | S20609000   | 1   | ウフルーハ"アンナイ"オサエ    | OVER LOOPER GUIDE HOLDER                  |      |
| 9-2-6   | S23417001   | 2   | シメネジ"3.5X8        | SCREW 3.5X8                               |      |
| 9-2-7   | S20610000   | 2   | パッキン              | PACKING                                   |      |

★クドウジクとロッドは、同色（赤色・青色の2種類）の組合わせで、選択組付けをしています。

ご注文の際には、色を指定して下さい。

★ The crank shaft and rod are to be selected and installed to parts of the same color (2 types: red and blue). Be sure to specify a color when ordering.

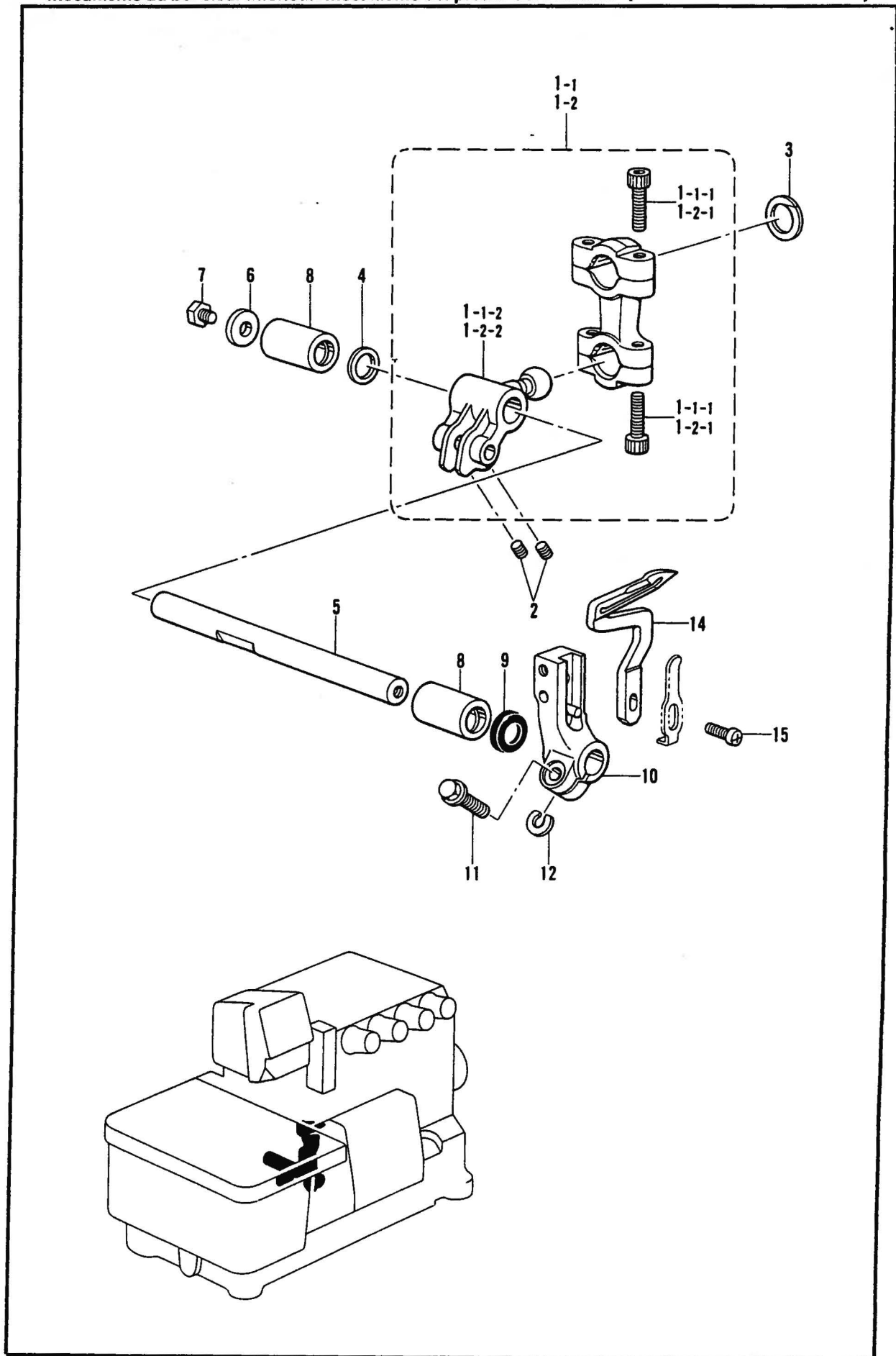
★ Die Kurbelwelle und die Stange müssen mit den gleichfarbigen Teilen (zwei Typen: rot und blau) ausgewählt und montiert werden. Geben Sie daher bei der Bestellung unbedingt die Farbe an.

★ L'arbre et la bielle doivent être choisis et montés avec des pièces de couleur identique (2 types: rouge et bleu). Veiller à bien préciser la couleur en passant la commande.

★ El cigüeñal y la varilla del cigüeñal se deben seleccionar e instalar con las piezas del mismo color (dos tipos: rojas y azules). Al hacer el pedido se debe especificar el color.



H. 下ルーバ関係/Under looper mechanism/Unterer Greifer/  
Mécanisme du boucleur inférieur/Mecanismo del presilladora inferior



n. トルーパー関係 / Under looper mechanism / Unterer Greiter /  
 Mécanisme du boucleur inférieur / Mecanismo del presilladora inferior

| REF.NO.  | CODE        | QTY | 品名             | NAME OF PARTS                             | RMKS |
|--|-------------|-----|----------------|---|------|
| 2  | S23651001   | 2   | アナヒラ6X6ホソメ     | SET SCREW 6X6                             |      |
| 3  | S20598000   | 1   | ロッド"フレ"メ       | ROD STOPPER                               |      |
| 4  | S20621001   | 1   | カラー            | COLLAR                                    |      |
| 5  | S20622001   | 1   | シタルーハ"シ"ク      | UNDER LOOPER SHAFT                        |      |
| 6  | S23626001   | 1   | サ"カ"ネ          | WASHER                                    |      |
| 7  | 017060816   | 1   | ボ"ルト6X8        | BOLT 6X8                                  |      |
| 8  | S20513000   | 2   | メタル11.11-16    | BUSH 11.11-16                             |      |
| 9  | 155247000   | 1   | ダ"ストシール        | DUST SEAL                                 |      |
| 10   | S20625001   | 1   | シタルーハ"トリツケ"タイ  | UNDER LOOPER HOLDER                       |      |
| 11   | S23614001   | 1   | フランシ"ボ"ルト5X14  | BOLT 5X14                                 |      |
| 12   | 148782001   | 1   | ス"パ"ーサ         | SPACER                                    |      |
| 14   | S20626001   | 1   | シタルーハ"         | UNDER LOOPER                              |      |
| 15   | 060351016   | 1   | ハ"イ"ント"3.5X10  | SCREW 3.5X10                              |      |
| <スタンダード、ハイリフトヨウ /FOR STANDARD, HIGH-LIFT>        |             |     |                |   |      |
| 1-1  | ★ S20615001 | 1   | シタルーハ"ロッド"クミSH | UNDER LOOPER CONNECTING ROD ASSEMBLY (SH) |      |
| 1-1-1  | 018401622   | 4   | アナボ"ルト4X16     | BOLT 4X16                                 |      |
| 1-1-2  | S20616001   | 1   | シタルーハ"シ"クウテ"SH | UNDER LOOPER SHAFT ARM (SH)               |      |
| <チョウハイリフトヨウ /FOR EXTRA HIGH-LIFT 85, 86, 92, 93> |             |     |                |   |      |
| 1-2  | ★ S20617001 | 1   | シタルーハ"ロッド"クミE  | UNDER LOOPER CONNECTING ROD ASSEMBLY (E)  |      |
| 1-2-1  | 018401622   | 4   | アナボ"ルト4X16     | BOLT 4X16                                 |      |
| 1-2-2  | S20618001   | 1   | シタルーハ"シ"クウテ"E  | UNDER LOOPER SHAFT ARM (E)                |      |

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ご注文の際には、色を指定して下さい。

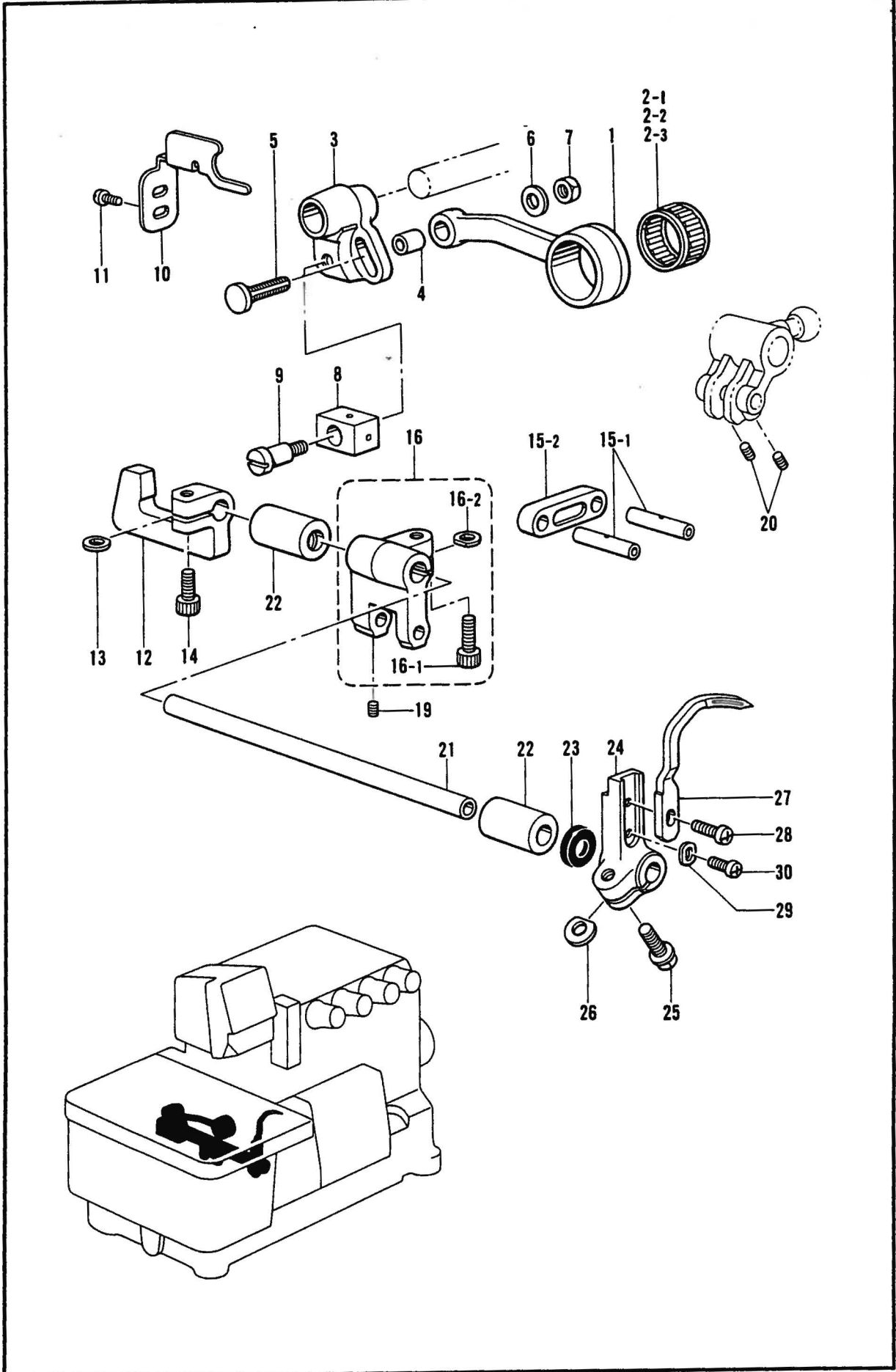
★ The crank shaft and rod are to be selected and installed to parts of the same color (2 types: red and blue). Be sure to specify a color when ordering.

★ Die Kurbelwelle und die Stange müssen mit den gleichfarbigen Teilen (zwei Typen: rot und blau) ausgewählt und montiert werden. Geben Sie daher bei der Bestellung unbedingt die Farbe an.

★ L'arbre et la bielle doivent être choisis et montés avec des pièces de couleur identique (2 types: rouge et bleu). Veiller à bien préciser la couleur en passant la commande.

★ El cigüeñal y la varilla del cigüeñal se deben seleccionar e instalar con las piezas del mismo color (dos tipos: rojas y azules). Al hacer el pedido se debe especificar el color.

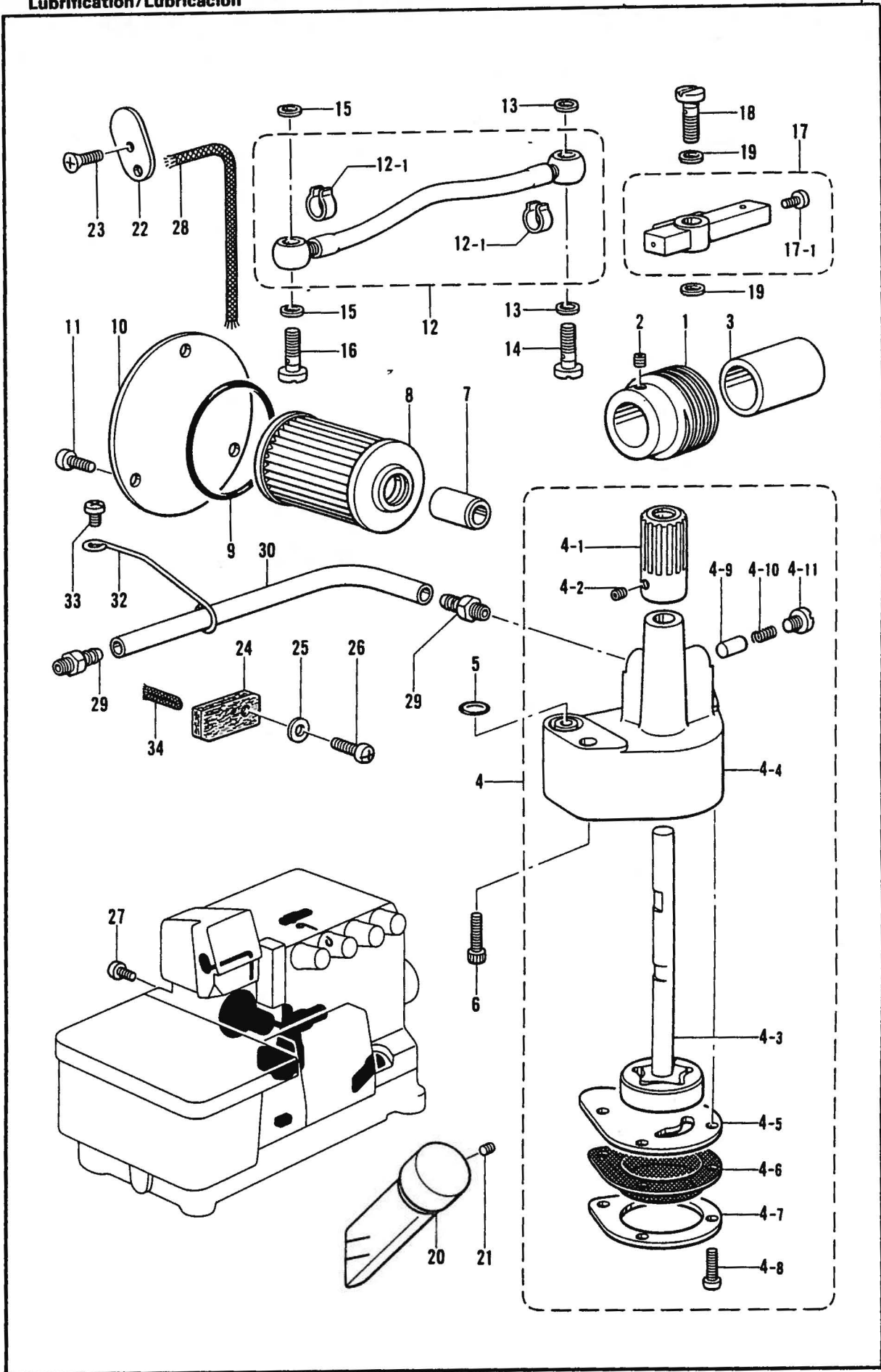
J. 二重環ルーバ関係 / Double chain stitch looper mechanism / Doppelkettenstichgreifer /  
 Mécanisme du boucleur pour point de chaînette double / Mecanismo del presilladora de doble cadeneta





3. 一重針/二重針/Double chain stitch looper mechanism/Doppelnähtensystem  
 Mécanisme du boucleur pour point de chaînette double/Mecanismo del presilladora de doble cadeneta

| REF.NO. | CODE      | QTY | 品名                 | NAME OF PARTS                      | RMKS |
|---------|-----------|-----|--------------------|------------------------------------|------|
| 1       | S29092001 | 1   | ゼンゴ"ロッド"           | LONGITUDINAL FEED ROD              |      |
| 2-1     | S20635001 | 1   | ニート"ルシ"クウケ18       | NEEDLE ROLLER BEARING 18           |      |
| 2-2     | S20635002 | 1   | ニート"ルシ"クウケ18       | NEEDLE ROLLER BEARING 18           |      |
| 2-3     | S20635003 | 1   | ニート"ルシ"クウケ18       | NEEDLE ROLLER BEARING 18           |      |
| 3       | S20636001 | 1   | ゼンゴ"ウテ"            | LONGITUDINAL FEED ARM              |      |
| 4       | S29102001 | 1   | ゼンゴ"ロッド"ブツシユ       | LONGITUDINAL FEED ROD BUSH         |      |
| 5       | S20638001 | 1   | ゼンゴ"ウテ"ネジ"         | LONGITUDINAL FEED ARM SCREW        |      |
| 6       | S29131001 | 1   | ヒラザ"カ"ネ5           | PLAIN WASHER 5                     |      |
| 7       | 021500216 | 1   | 2シユナツト5            | NUT 5                              |      |
| 8       | S20640001 | 1   | ゼンゴ"ウテ"カクゴ"マ       | LONGITUDINAL FEED ARM SLIDE BLOCK  |      |
| 9       | S20641001 | 1   | タ"ンネジ"5            | STUD SCREW 5                       |      |
| 10      | S20642001 | 1   | ゼンゴ"ウテ"フレト"メ       | LONGITUDINAL FEED ARM STOPPER      |      |
| 11      | 062400616 | 2   | ナヘ"コM4X6           | SCREW M4X6                         |      |
| 12      | S20643001 | 1   | ゼンゴ"ウテ"カクコ"マ"キ     | SLIDE BLOCK CLAMP                  |      |
| 13      | 155162001 | 1   | スヘ"ー"サ             | SPACER                             |      |
| 14      | 018061236 | 1   | アナホルト6X12          | BOLT 6X12                          |      |
| 15      | S20644001 | 1   | ニジ"ユウカン"リンク"クミ     | CHAIN STITCH LOOPER LINK ASSEMBLY  |      |
| 15-1    | S20647001 | 2   | ニジ"ユウカン"ウテ"シ"ク     | CHAIN STITCH LOOPER LEVER SHAFT    |      |
| 15-2    | S20648001 | 1   | ニジ"ユウカン"リンク        | CHAIN STITCH LOOPER LINK           |      |
| 16      | S20645001 | 1   | ニジ"ユウカン"ウテ"クミ      | CHAIN STITCH LOOPER LEVER ASSEMBLY |      |
| 16-1    | S23346001 | 1   | アナホルト6X14"ホソメ      | BOLT 6X14                          |      |
| 16-2    | 155162001 | 1   | スヘ"ー"サ             | SPACER                             |      |
| 19      | 012400436 | 1   | アナヒラ4X4            | SET SCREW 4X4                      |      |
| 20      | 012400436 | 2   | アナヒラ4X4            | SET SCREW 4X4                      |      |
| 21      | S20649001 | 1   | ゼンゴ"シ"ク            | LONGITUDINAL FEED SHAFT            |      |
| 22      | S20650000 | 2   | ゼンゴ"シ"ク"メタル        | LONGITUDINAL FEED SHAFT BUSH       |      |
| 23      | 155261000 | 1   | タ"スト"シール           | DUST SEAL                          |      |
| 24      | S20652001 | 1   | ニジ"ユウカン"ルー"ハ"ホル"ダ" | CHAIN STITCH LOOPER HOLDER         |      |
| 25      | S23614001 | 1   | フランシ"ホ"ルト5X14      | BOLT 5X14                          |      |
| 26      | 148783001 | 1   | スヘ"ー"サ             | SPACER                             |      |
| 27      | S20653001 | 1   | ニジ"ユウカン"ルー"ハ"      | CHAIN STITCH LOOPER                |      |
| 28      | 060350816 | 1   | ハ"イント"35X8         | SCREW 35X8                         |      |
| 29      | S20654001 | 1   | ルー"ハ"チヨウセツ"サ"カ"ネ   | WASHER                             |      |
| 30      | S23456001 | 1   | ナヘ"コ25X6           | SCREW 25X6                         |      |

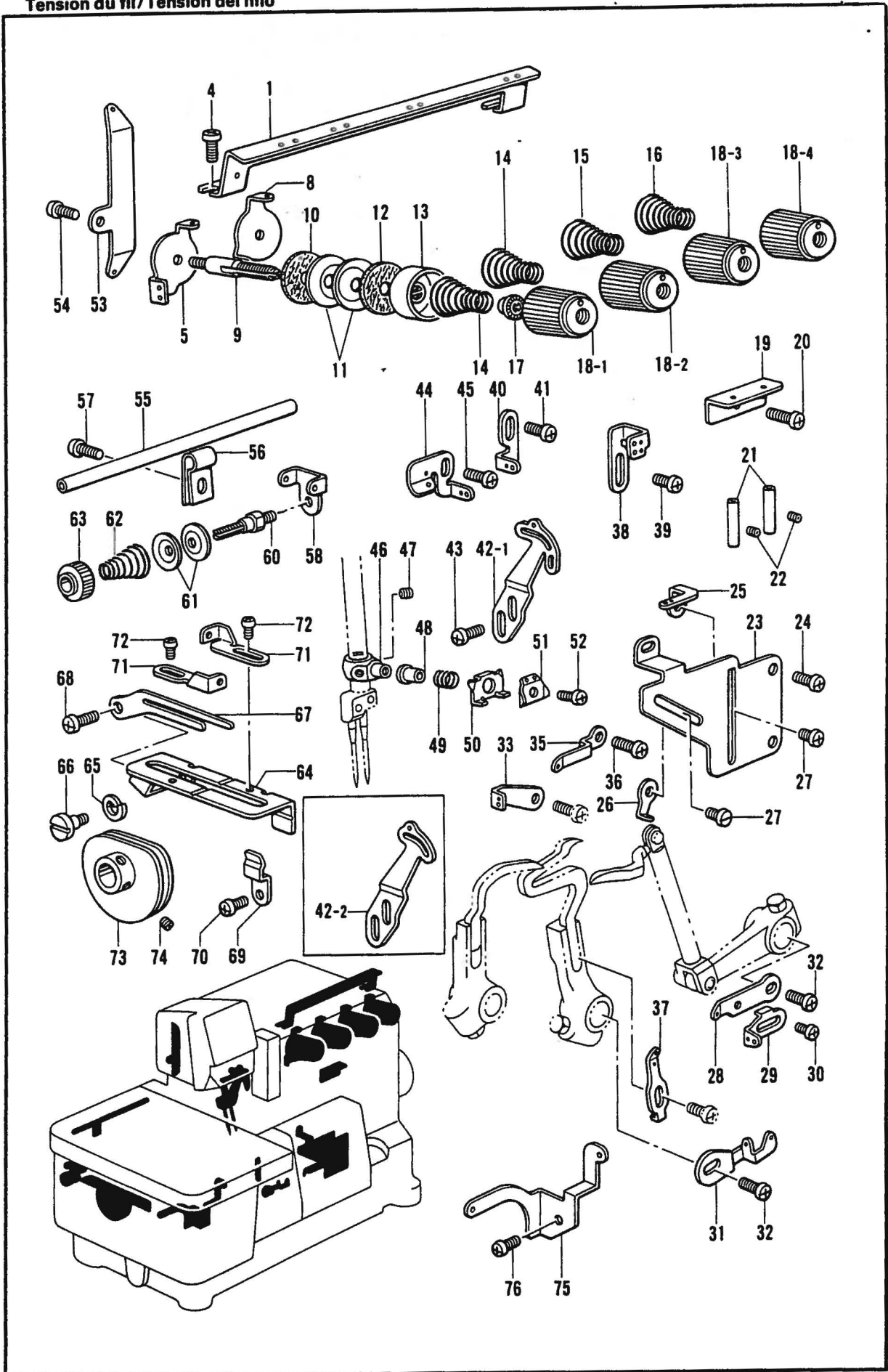


N. 給油・潤滑関係 / Lubrication / Schmierung /  
Lubrication / Lubricación

| REF.NO. | CODE      | QTY | 品名                | NAME OF PARTS             | RMKS |
|---------|-----------|-----|-------------------|---------------------------|------|
| 1       | S20655001 | 1   | ウォーム              | WORM                      |      |
| 2       | 012500536 | 2   | アナヒラ5X5           | SET SCREW 5X5             |      |
| 3       | S23366001 | 1   | カラー               | COLLAR                    |      |
| 4       | S20656001 | 1   | トロコイト"ポンプ"クミ      | PUMP ASSEMBLY             |      |
| 4-1     | S20657001 | 1   | ウォームホイール          | WORM WHEEL                |      |
| 4-2     | 012400536 | 2   | アナヒラ4X5           | SET SCREW 4X5             |      |
| 4-3     | S20658001 | 1   | ポンプ"ローター"クミ       | PUMP INNER ROTER ASSEMBLY |      |
| 4-4     | S20660000 | 1   | ポンプ"ケース"          | PUMP CASE                 |      |
| 4-5     | S20661001 | 1   | ポンプ"タイフタ"         | PUMP BODY COVER           |      |
| 4-6     | S20662000 | 1   | ロカモウ              | OIL FILTER                |      |
| 4-7     | S20663001 | 1   | ロカモウ"オサイ"         | OIL FILTER FLANGE         |      |
| 4-8     | 062351016 | 4   | ナヘ"コ3.5X10        | SCREW 3.5X10              |      |
| 4-9     | 144875001 | 1   | プランジ"ヤー"          | PLUNGER                   |      |
| 4-10    | 144876001 | 1   | プランジ"ヤー"ハ"ネ       | PLUNGER SPRING            |      |
| 4-11    | S23460001 | 1   | ナヘ"コ6X5           | SCREW 6X5                 |      |
| 5       | 081008070 | 1   | Oリング"P8           | O RING P8                 |      |
| 6       | 018061436 | 2   | アナホルト6X14         | BOLT 6X14                 |      |
| 7       | S08957001 | 1   | オイルクチ             | OIL FEEDING PIPE          |      |
| 8       | S08956000 | 1   | オイルフィルター          | OIL FILTER                |      |
| 9       | 081044070 | 1   | Oリング"P44          | O RING P44                |      |
| 10      | S12987001 | 1   | オイルフィルター"フタ"      | OIL FILTER CAP            |      |
| 11      | 062400816 | 3   | ナヘ"コ4X8           | SCREW 4X8                 |      |
| 12      | S20664001 | 1   | ヒ"ニルチューブ"クミ       | OIL TUBE ASSEMBLY         |      |
| 12-1    | 147942001 | 2   | ヒ"ニルチューブ"トメ"ガ"ネ   | STOP RING                 |      |
| 13      | 159476000 | 2   | サ"カ"ネ             | WASHER                    |      |
| 14      | S20199001 | 1   | ハイユハイフ"ツキ"テ       | OIL PIPE JOINT            |      |
| 15      | 159476000 | 2   | サ"カ"ネ             | WASHER                    |      |
| 16      | S20199001 | 1   | ハイユハイフ"ツキ"テ       | OIL PIPE JOINT            |      |
| 17      | S20666001 | 1   | キユウユハイフ"クミ"       | OIL PIPE ASSEMBLY         |      |
| 17-1    | 060400516 | 1   | ハ"イント"M4X5        | SCREW M4X5                |      |
| 18      | S20199001 | 1   | ハイユハイフ"ツキ"テ       | OIL PIPE JOINT            |      |
| 19      | 159476000 | 2   | サ"カ"ネ             | WASHER                    |      |
| 20      | 148084001 | 1   | オイルゲ"ージ"マト"       | OIL GAUGE WINDOW          |      |
| 21      | 012400436 | 1   | アナヒラ4X4           | SET SCREW 4X4             |      |
| 22      | S20668000 | 1   | ハリホ"ウリンク"フエルト     | NEEDLE BAR LINK FELT      |      |
| 23      | 061400816 | 1   | サラコ4X8            | SCREW 4X8                 |      |
| 24      | S20669000 | 1   | フエルト              | FELT                      |      |
| 25      | 102707002 | 1   | サ"カ"ネ             | WASHER                    |      |
| 26      | 062401216 | 1   | ナヘ"コM4X12         | SCREW M4X12               |      |
| 27      | 060400516 | 1   | ハ"イント"M4X5        | SCREW M4X5                |      |
| 28      | S20671000 | 1   | クミヒモ100           | WICK (L=100)              |      |
| 29      | S20180001 | 2   | オイルクチ             | OIL FEEDING PIPE          |      |
| 30      | S20200001 | 1   | ヒ"ニルチューブ" (L=370) | OIL TUBE (L=370)          |      |
| 32      | S25879001 | 1   | チューブ"ササイ"         | TUBE SUPPORT              |      |
| 33      | 060400816 | 1   | ハ"イント"4X8         | SCREW 4X8                 |      |
| 34      | S29145000 | 1   | クミヒモ4X4 (L=10)    | WICK (L=10)               |      |



L. 糸調子関係 / Thread tension / Fadenspannung /  
Tension du fil / Tension del hilo

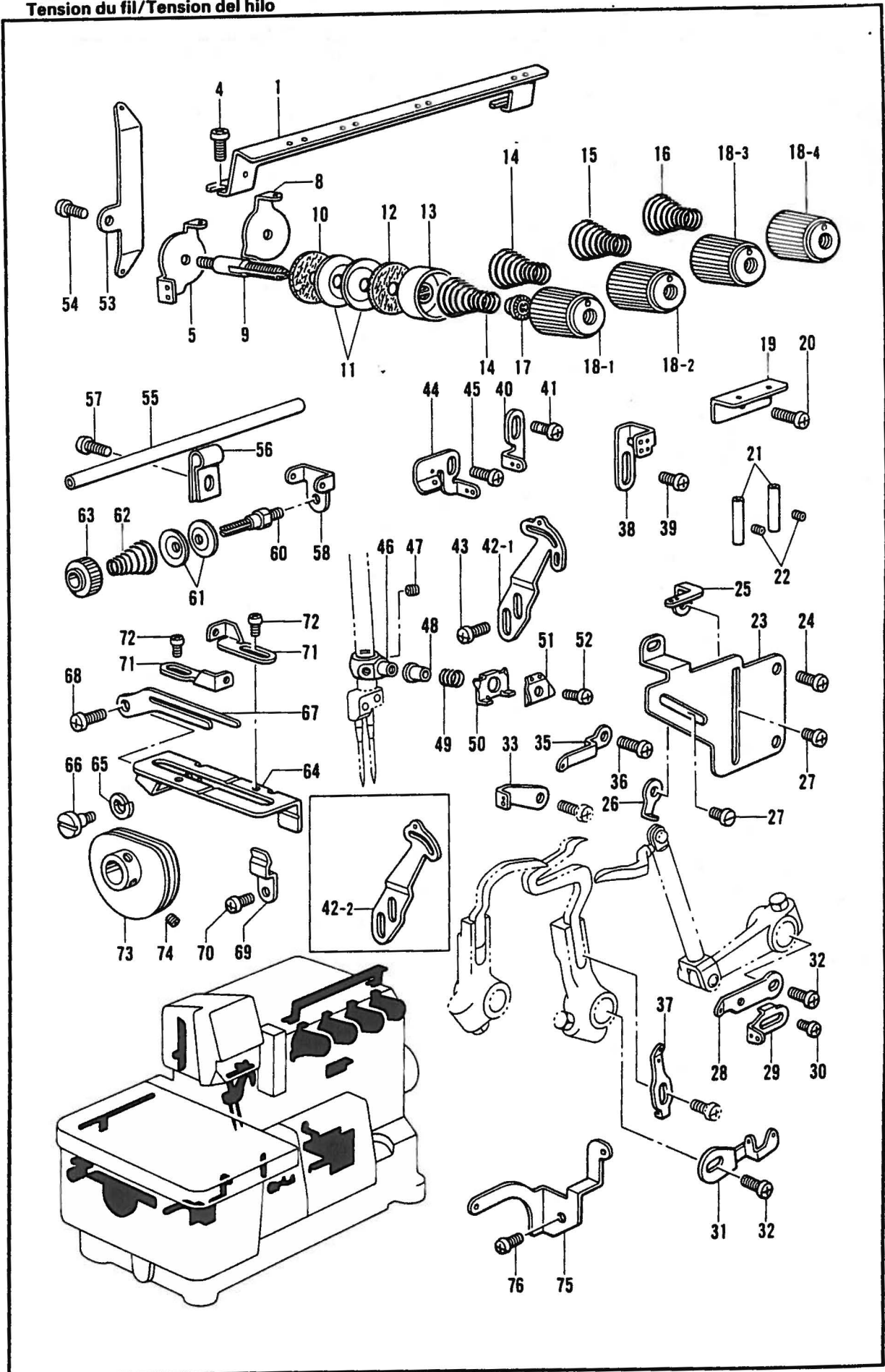


L. 糸調子関係 / I tread tension / Fadenstrammung /  
Tension du fil / Tension del hilo

| REF.NO. | CODE      | QTY | 品名                        | NAME OF PARTS                                 | RMKS |
|---------|-----------|-----|---------------------------|---|------|
| 1       | S20672001 | 1   | シユイトアンナイ                  | MAIN THREAD GUIDE                             |      |
| 4       | 060400816 | 2   | ハ"イント"4X8                 | SCREW 4X8                                     |      |
| 5       | S20693001 | 1   | ハリイトアンナイ2N                | NEEDLE GUIDE (2N)                             |      |
| 8       | S20675001 | 3   | チヨウシサライトアンナイ              | TENSION DISC THREAD GUIDE                     |      |
| 9       | S20676001 | 4   | イトチヨウシホ"ウ                 | TENSION STUD                                  |      |
| 10      | S20677000 | 4   | イトチヨウシサラフェルト              | TENSION DISC FELT                             |      |
| 11      | S20673001 | 8   | イトチヨウシサラ                  | TENSION DISC                                  |      |
| 12      | 110832009 | 4   | イトチヨウシサラフェルト              | TENSION DISC FELT                             |      |
| 13      | 144103009 | 4   | イトチヨウシサラオサエ               | TENSION DISC PRESSER                          |      |
| 14      | S20678001 | 2   | イトチヨウシハ"ネL                | TENSION SPRING (L)                            |      |
| 15      | S20679001 | 1   | イトチヨウシハ"ネM                | TENSION SPRING (M)                            |      |
| 16      | S20680001 | 1   | イトチヨウシハ"ネS                | TENSION SPRING (S)                            |      |
| 17      | S20681000 | 4   | チヨウシハ"ネウエザ"カ"ネ            | WASHER  |      |
| 18-1    | S20682003 | 1   | イトチヨウシナツト アカ              | TENSION NUT (RED)                             |      |
| 18-2    | S20682001 | 1   | イトチヨウシナツト ミス"イロ           | TENSION NUT (LIGHT BLUE)                      |      |
| 18-3    | S20682004 | 1   | イトチヨウシナツト キイ              | TENSION NUT (YELLOW)                          |      |
| 18-4    | S20682002 | 1   | イトチヨウシナツト ミト"リ            | TENSION NUT (GREEN)                           |      |
| 19      | S20683001 | 1   | ルーハ"イトアンナイ                | LOOPER THREAD GUIDE                           |      |
| 20      | 060400816 | 1   | ハ"イント"4X8                 | SCREW 4X8                                     |      |
| 21      | 146592001 | 2   | イトアンナイハ"イフ                | THREAD GUIDE PIPE                             |      |
| 22      | S23452001 | 2   | アナヒラ4X3.2                 | SET SCREW 4X3.2                               |      |
| 23      | S20684001 | 1   | イトアンナイ"タ"イ                | THREAD GUIDE BRACKET                          |      |
| 24      | 060400816 | 3   | ハ"イント"4X8                 | SCREW 4X8                                     |      |
| 25      | S20685001 | 1   | シタルーハ"イトアンナイR             | UNDER LOOPER THREAD GUIDE (R)                 |      |
| 26      | S20686001 | 1   | ウフルーハ"イトアンナイR             | OVER LOOPER THREAD GUIDE (R)                  |      |
| 27      | S23418001 | 2   | シメネシ"4X5                  | SCREW 4X5                                     |      |
| 28      | S21133001 | 1   | ウフルーハ"テンヒ"ンR              | OVER LOOPER THREAD TAKE-UP (R)                |      |
| 29      | S21134001 | 1   | シタルーハ"テンヒ"ンR              | UNDER LOOPER THREAD TAKE-UP (R)               |      |
| 30      | 060300416 | 1   | ハ"イント"4X8                 | SCREW 4X8                                     |      |
| 31      | S21135001 | 1   | ルーハ"テンヒ"ンL                | LOOPER THREAD TAKE-UP (L)                     |      |
| 32      | 060400616 | 2   | ハ"イント"4X6                 | SCREW 4X6                                     |      |
| 33      | S21137001 | 1   | ルーハ"イトアンナイM1              | LOOPER THREAD GUIDE (M1)                      |      |
| 35      | S21136001 | 1   | ウフルーハ"イトアンナイL             | OVER LOOPER THREAD GUIDE (L)                  |      |
| 36      | 060400816 | 1   | ハ"イント"4X8                 | SCREW 4X8                                     |      |
| 37      | S20687001 | 1   | シタルーハ"イトアンナイL             | UNDER LOOPER THREAD GUIDE (L)                 |      |
| 38      | S21127001 | 1   | ハリイトアンナイC                 | NEEDLE THREAD GUIDE (C)                       |      |
| 39      | 060400616 | 1   | ハ"イント"4X6                 | SCREW 4X6                                     |      |
| 40      | S21126001 | 1   | ハリイトアンナイB                 | NEEDLE THREAD GUIDE (B)                       |      |
| 41      | 060400616 | 1   | ハ"イント"4X6                 | SCREW 4X6                                     |      |
| 42-1    | S21130001 | 1   | ハリイトテンヒ"ンA                | NEEDLE THREAD TAKE-UP (A)                     |      |
| 43      | 060400816 | 2   | ハ"イント"4X8                 | SCREW 4X8                                     |      |
| 44      | S21125001 | 1   | ハリイトアンナイA                 | NEEDLE THREAD GUIDE (A)                       |      |
| 45      | 060400616 | 1   | ハ"イント"4X6                 | SCREW 4X6                                     |      |
| 46      | S20688001 | 1   | ハリイトオサエホルダー               | NEEDLE THREAD HOLDER                          |      |
| 47      | 146427001 | 2   | アナメネシ"3.18クホ"ミ            | SET SCREW 3.18                                |      |
| 48      | S20689001 | 1   | ハリイトオサエカラー                | NEEDLE THREAD PRESSER COLLAR                  |      |
| 49      | S20690001 | 1   | ハリイトオサエハ"ネ                | SPRING  |      |
| 50      | S20691001 | 1   | ハリイトオサエイタ                 | NEEDLE THREAD PRESSER PLATE                   |      |
| 51      | S20743001 | 1   | ハリイトアンナイ                  | NEEDLE THREAD GUIDE                           |      |
| 52      | 062660512 | 1   | ナヘ"コネシ"318-40X5           | SCREW 318X5                                   |      |
| 53      | S20694001 | 1   | ルーハ"イトアンナイ                | LOOPER THREAD GUIDE                           |      |
| 54      | 062400816 | 1   | ナヘ"コ4X8                   | SCREW 4X8                                     |      |
| 55      | S20695001 | 1   | DLイトアンナイハ"イフ              | THREAD GUIDE PIPE                             |      |
| 56      | S20696001 | 1   | イトアンナイハ"イフ"ササエ            | THREAD GUIDE PIPE SUPPORT                     |      |
| 57      | 062400816 | 1   | ナヘ"コ4X8                   | SCREW 4X8                                     |      |
| 58      | S20697001 | 1   | DLチヨウシサライトアンナイ            | TENSION DISC THREAD GUIDE                     |      |
| 60      | S20698001 | 1   | イトチヨウシホ"ウ                 | TENSION STUD                                  |      |
| 61      | 144504001 | 2   | イトアンナイサラ                  | THREAD GUIDE DISC                             |      |
| 62      | 158782101 | 1   | プレテンションハ"ネ                | PRE TENSION SPRING                            |      |
| 42-2    | S21132001 | 1   | <ソフトチェーンヨウ><br>ハリイトテンヒ"ンC | <FOR SOFT CHAIN><br>NEEDLE THREAD TAKE-UP (C) |      |



L. 糸調子関係 / Thread tension / Fadenspannung /  
Tension du fil / Tension del hilo

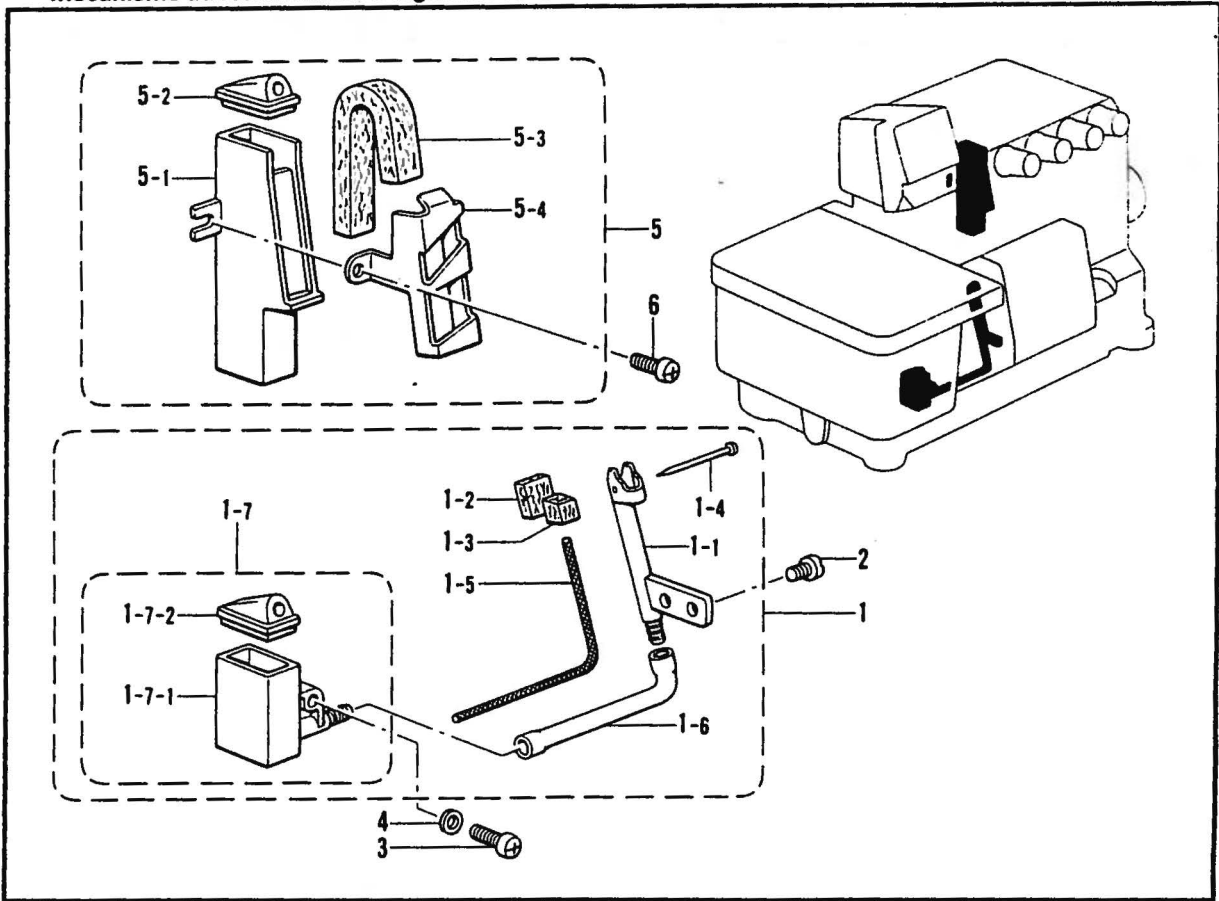




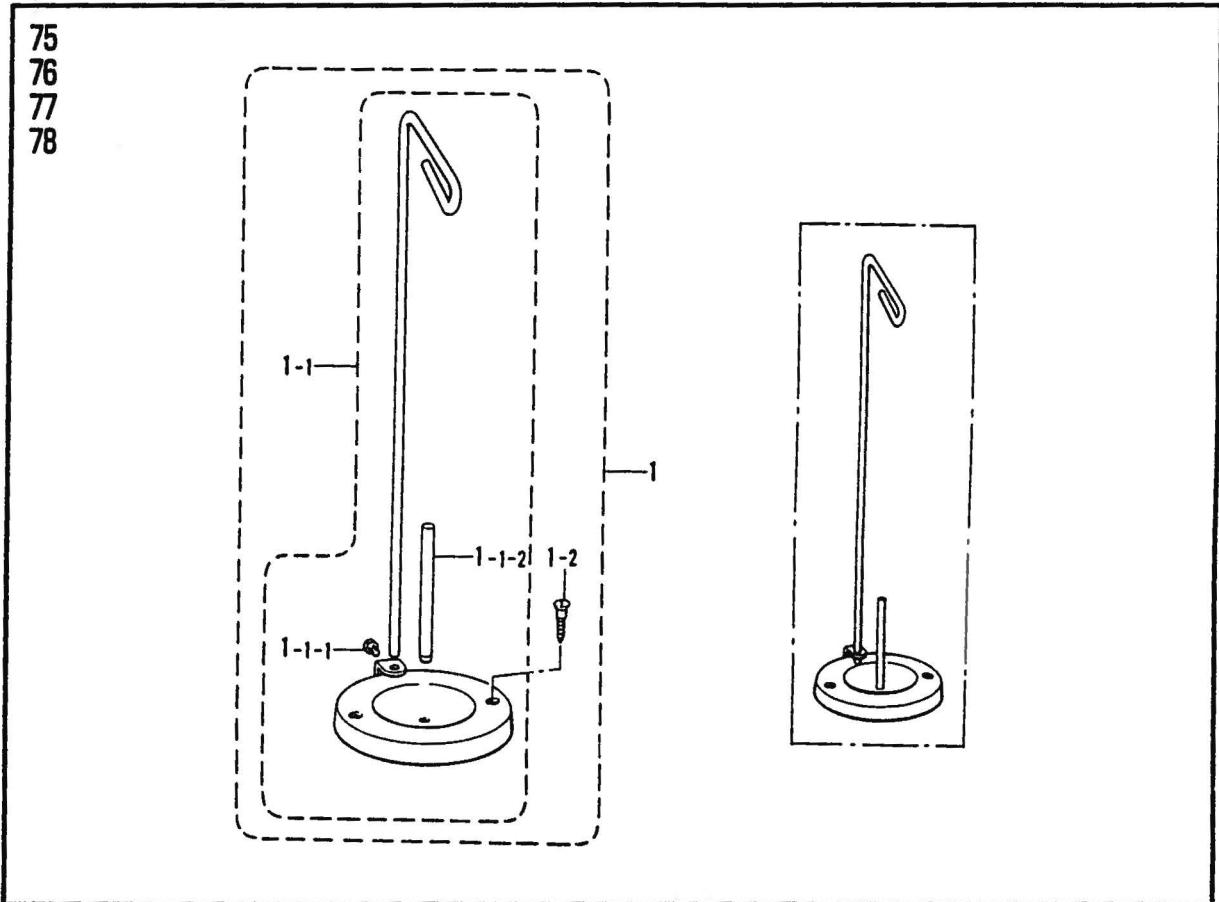
L. 糸調子関係 / Inread tension / raderspannung /  
Tension du fil / Tension del hilo

| REF.NO. | CODE                 | Q'TY | ヒンメイ          | NAME OF PARTS           | RMKS |
|---------|----------------------|------|---------------|-------------------------|------|
| 63      | 155510001            | 1    | イトチヨウシナツト     | TENSION NUT             |      |
| 64      | S20699001            | 1    | イトサハ"キト"タイ    | THREAD HANDLER BRACKET  |      |
| 65      | 028050242            | 1    | ハ"ネサ"カ"ネ2-5   | SPRING WASHER 2-5       |      |
| 66      | S20342001            | 1    | タ"ンネジ"4       | STUD SCREW 4            |      |
| 67      | S20701001            | 1    | テンビ"ンイトサハ"キ   | THREAD HANDLER          |      |
| 68      | 060400616            | 1    | ハ"イント"M4X6    | SCREW M4X6              |      |
| 69      | 150813001            | 1    | ト"タイオサエハ"ネ    | SPRING                  |      |
| 70      | 062350416            | 1    | ナヘ"コM3.5X4    | SCREW M3.5X4            |      |
| 71      | S20702001            | 2    | DLテンビ"ンイトアンナイ | THREAD TAKE-UP GUIDE    |      |
| 72      | <del>S20158001</del> | 2    | ナヘ"コ25X3      | SCREW 25X3              |      |
| 73      | S20703001            | 1    | DLテンビ"ンクミ     | THREAD TAKE-UP ASSEMBLY |      |
| 74      | S23452001            | 2    | アナヒラ4X3.2     | SET SCREW 4X3.2         |      |
| 75      | S20707001            | 1    | DLイトアンナイA     | THREAD GUIDE (A)        |      |
| 76      | 062400816            | 1    | ナヘ"コ4X8       | SCREW 4X8               |      |

M. 針冷却装置 / Needle cooler / Nadelkühlungsvorrichtung /  
 Mécanisme du refroidisseur d'aiguille / Mecanismo del enfriador de aguja



N. ヒモ案内関係 / Gimp guide mechanism / Schnurführung /  
 Mécanisme du guide-fil / Mecanismo guía del hilo



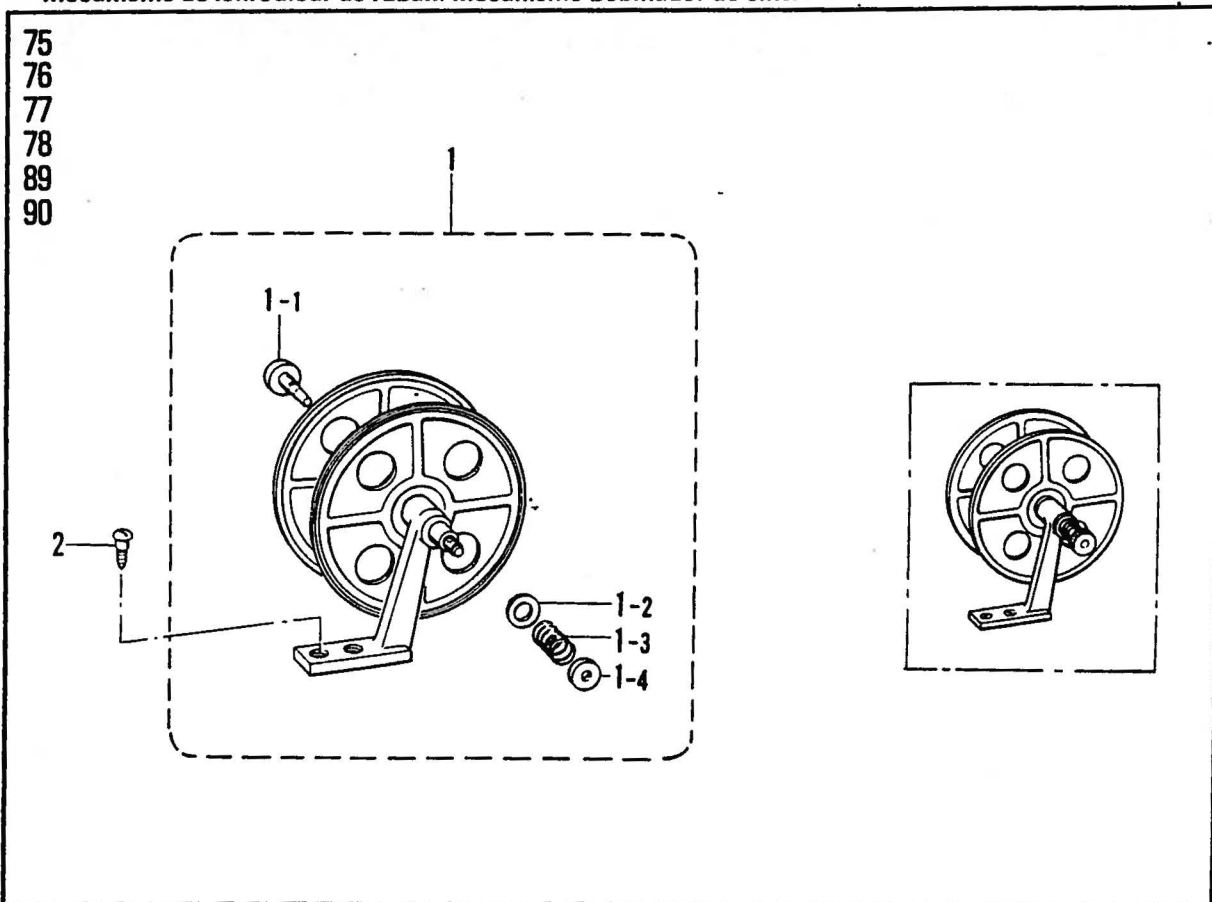
M. 針冷却装置 / Needle cooler / NadelkühlungsVorrichtung /  
 Mécanisme du refroidisseur d'aiguille / Mecanismo del enfriador de aguja

| REF.NO. | CODE      | Q'TY | ヒンメイ         | NAME OF PARTS              | RMKS |
|---------|-----------|------|--------------|----------------------------|------|
| 1       | S20468001 | 1    | フェルトササイクミ    | FELT SUPPORT ASSEMBLY      |      |
| 1-1     | S20469000 | 1    | フェルトササイ      | FELT SUPPORT               |      |
| 1-2     | S20470000 | 1    | フェルトL        | FELT (L)                   |      |
| 1-3     | S20471000 | 1    | フェルトS        | FELT (S)                   |      |
| 1-4     | S02874001 | 1    | ムシピン         | PIN                        |      |
| 1-5     | 150307000 | 1    | クミヒモ (L=140) | WICK (L=140)               |      |
| 1-6     | S20456000 | 1    | ビニルチューブ55    | VINYL TUBE 55              |      |
| 1-7     | S20457000 | 1    | シリコンタンクミL    | SILICONE TANK ASSEMBLY (L) |      |
| 1-7-1   | S20459000 | 1    | シリコンタンクタイL   | SILICONE TANK (L)          |      |
| 1-7-2   | S20460000 | 1    | シリコンタンクフタ    | SILICONE TANK CAP          |      |
| 2       | S23418001 | 2    | シメネジ4X5      | SCREW 4X5                  |      |
| 3       | 062401016 | 1    | ナヘコ4X10      | SCREW 4X10                 |      |
| 4       | 025040132 | 1    | ヒラサガネシヨウ4    | PLAIN WASHER 4             |      |
| 5       | S20461001 | 1    | シリコンタンクミU    | SILICONE TANK ASSEMBLY (U) |      |
| 5-1     | S20464000 | 1    | シリコンタンクU     | SILICONE TANK (U)          |      |
| 5-2     | S20460000 | 1    | シリコンタンクフタ    | SILICONE TANK CAP          |      |
| 5-3     | S20466000 | 1    | フェルト         | FELT                       |      |
| 5-4     | S20467001 | 1    | フェルトオサエイタ    | FELT SUPPORT PLATE         |      |
| 6       | 062401016 | 1    | ナヘコ4X10      | SCREW 4X10                 |      |

N. ヒモ案内関係 / Gimp guide mechanism / Schnurführung /  
 Mécanisme du guide-fil / Mecanismo guía del hilo

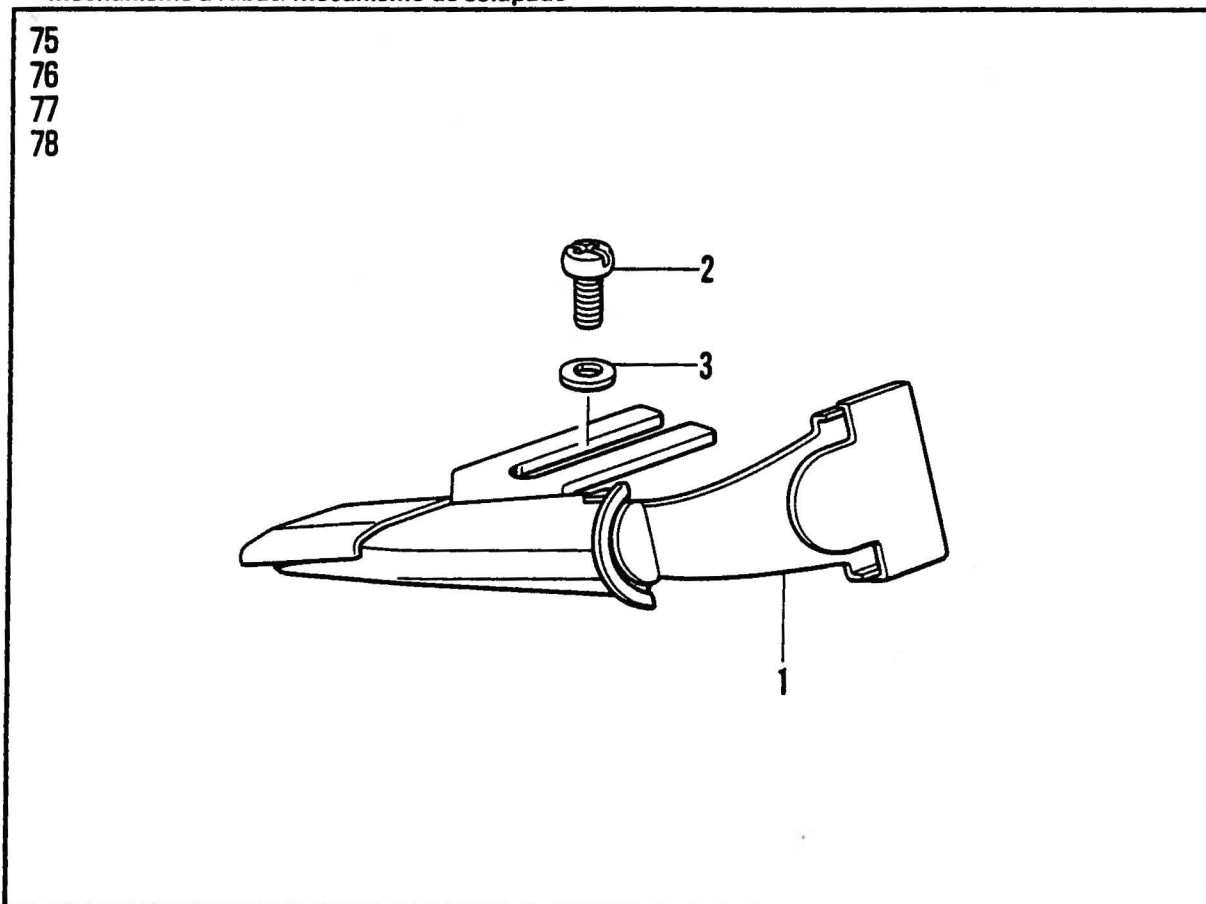
| REF.NO. | CODE      | Q'TY | ヒンメイ           | NAME OF PARTS           | RMKS |
|---------|-----------|------|----------------|-------------------------|------|
| 1       | S20130009 | 1    | イトタテタイクミネジツキ   | COTTON STAND WITH SCREW |      |
| 1-1     | S20131009 | 1    | イトタテタイクミ       | COTTON STAND ASSEMBLY   |      |
| 1-1-1   | S20134001 | 1    | シメネジW476-24X10 | SCREW W476X10           |      |
| 1-1-2   | S20135001 | 1    | イトタテホウ         | SPOOL PIN               |      |
| 1-2     | 035412006 | 2    | マルサラモクネジ4.1X20 | SCREW4.1X20             |      |





75 76 77 78

Q. ラッパ関係 / Lapper mechanism / Falz-Mechanismus /  
Mécanisme à rabat / Mecanismo de solapado



P. テープワインター関係 / Tape winder mechanism / Bandanurwickeivorrichtung /  
 Mécanisme de l'enrouleur de ruban / Mecanismo bobinador de cinta

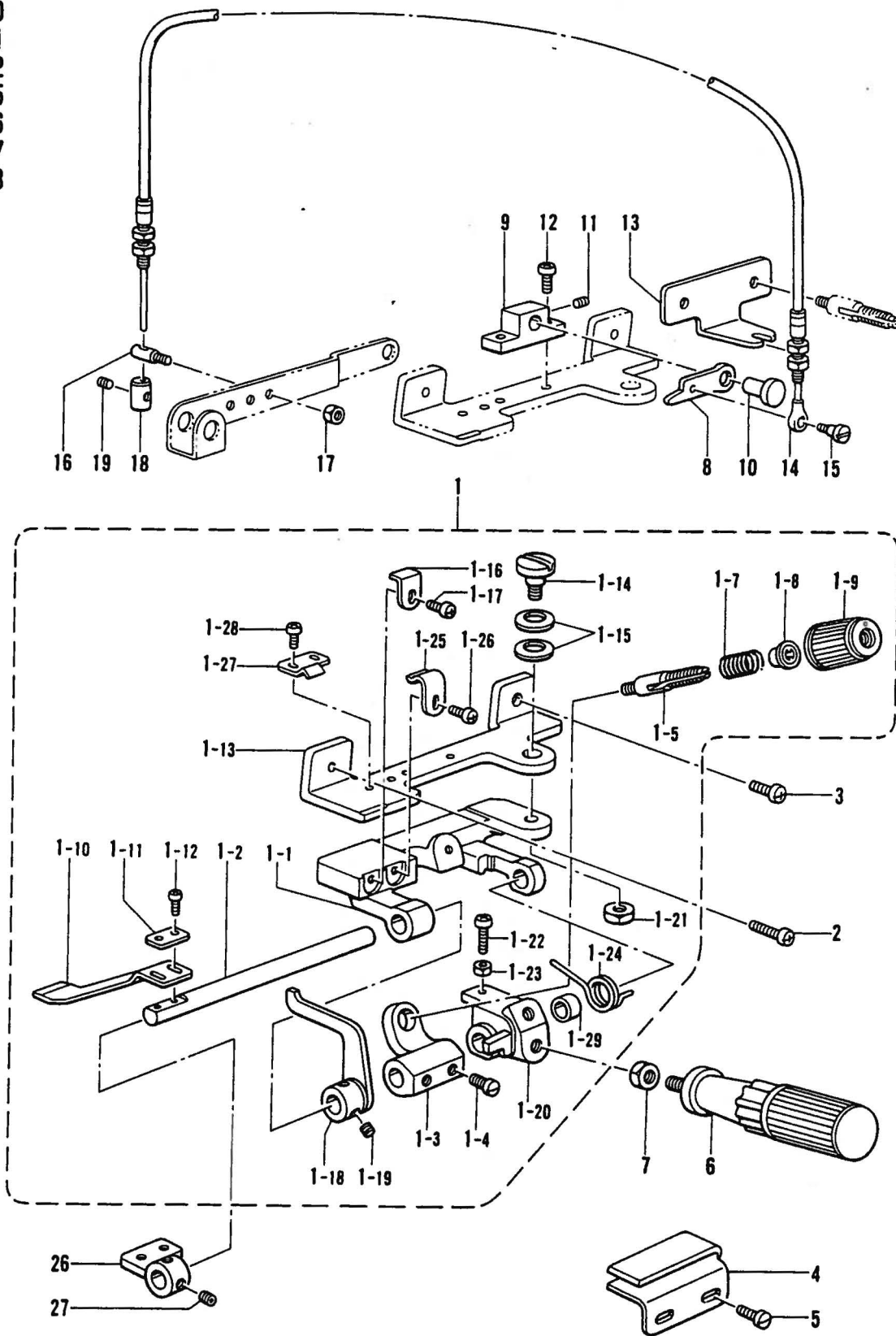
| REF.NO. | CODE      | Q'TY | ヒンメイ         | NAME OF PARTS        | RMKS |
|---------|-----------|------|--------------|----------------------|------|
| 1       | 143767002 | 1    | テープワインタークミ   | TAPE WINDER ASSEMBLY |      |
| 1-1     | 143980001 | 1    | ツマミネジ        | SCREW                |      |
| 1-2     | 108494001 | 1    | ワッシャー        | WASHER               |      |
| 1-3     | 108495001 | 1    | テープワインターオシハネ | SPRING               |      |
| 1-4     | 100136001 | 1    | イトチヨウシナット    | TENSION NUT -        |      |
| 2       | 101118001 | 2    | マルモクネジ4.5X20 | SCREW 4.5X20         |      |

Q. ラッパー関係 / Lapper mechanism / Falz-Mechanismus /  
 Mécanisme à rabat / Mecanismo de solapado

| REF.NO. | CODE      | Q'TY | ヒンメイ      | NAME OF PARTS   | RMKS |
|---------|-----------|------|-----------|-----------------|------|
| 1       | S21318000 | 1    | ラッパークミ    | LAPPER ASSEMBLY |      |
| 2       | 062400816 | 2    | ナヘコ4X8    | SCREW 4X8       |      |
| 3       | 025040232 | 2    | ヒラサガネチュウ4 | PLAIN WASHER 4  |      |

K. フフー装置関係 / Huffling attachment / Krauseivorrichtung /  
 Accessoire pour fronces / Accesorio de fruncido

67  
 68  
 69  
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 78



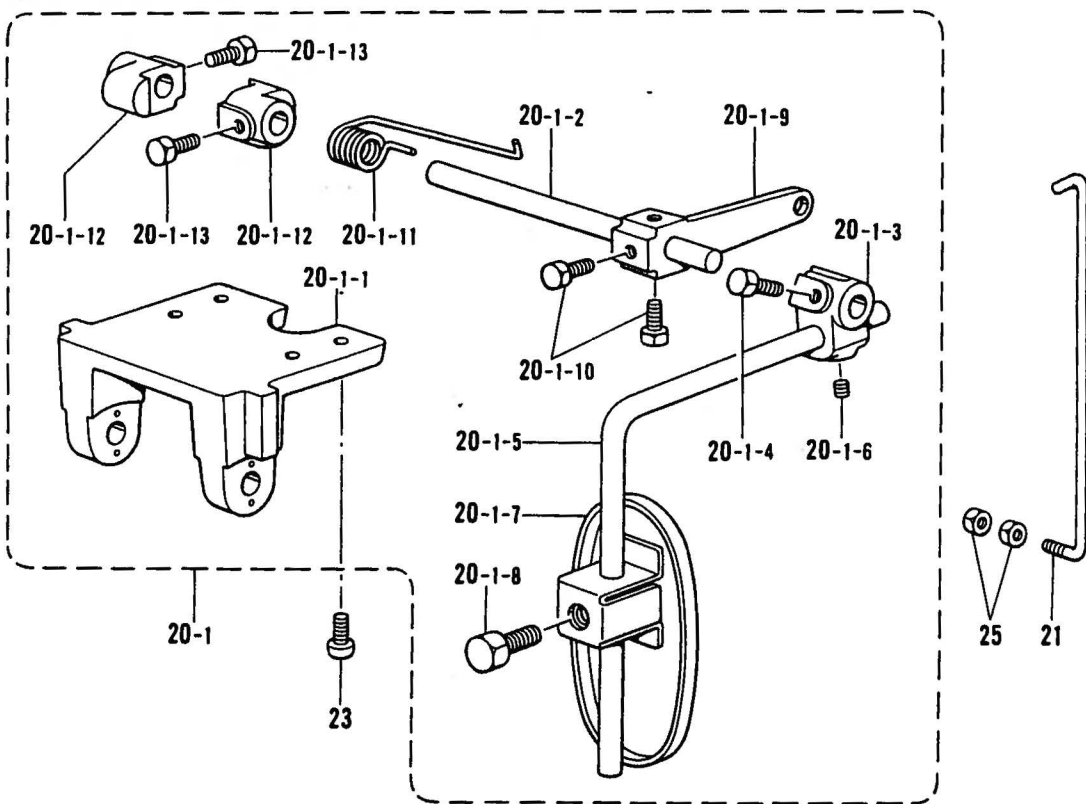


R. ラフラー装置関係/Ruffling attachment/Krauseivorrichtung/  
 Accessoire pour fronces/Accessorio de fruncido

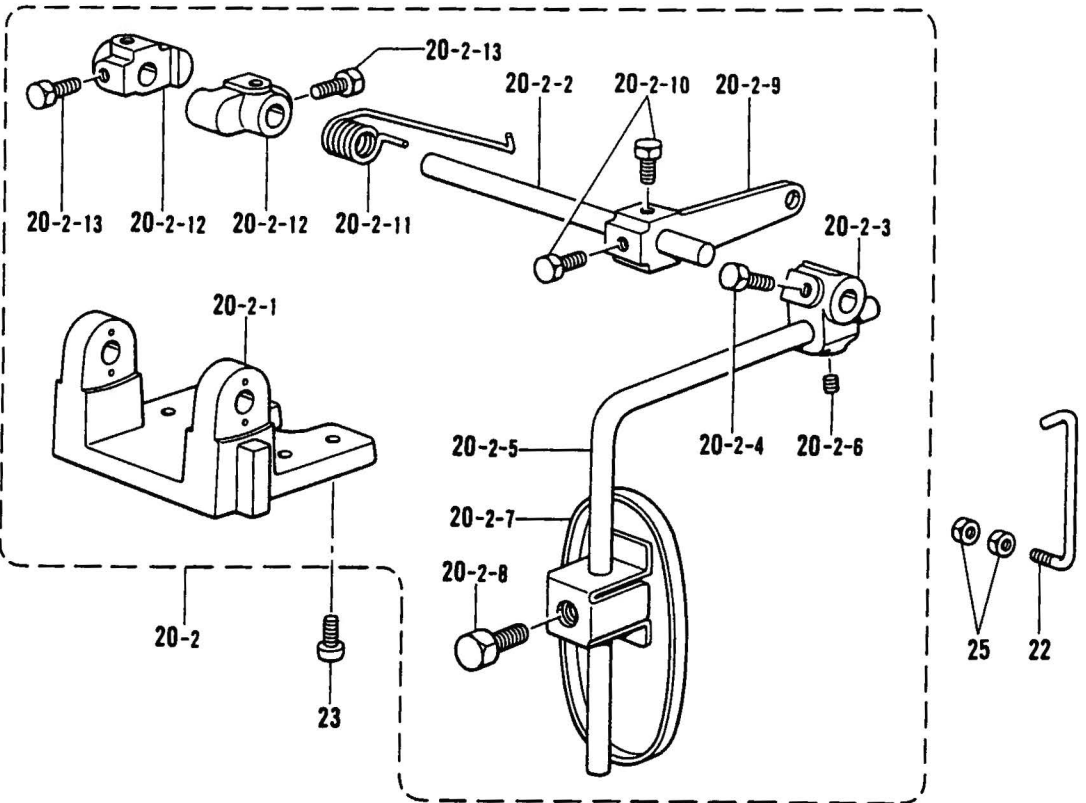
| REF.NO. | CODE      | QTY | ヒンメイ           | NAME OF PARTS                  | RMKS |
|---------|-----------|-----|----------------|--------------------------------|------|
| 1       | S21293001 | 1   | ラフラーソウチクミ      | RUFFLER ATTACHMENT ASSEMBLY    |      |
| 1-1     | S21294001 | 1   | キシ"オウエタイ       | RUFFLING BLADE BRACKET         |      |
| 1-2     | S21295001 | 1   | キシ"オウエトリツクシ"ク  | RUFFLING BLADE BASE SHAFT      |      |
| 1-3     | S21305001 | 1   | ハ"ネウケ          | SPRING BASE                    |      |
| 1-4     | S23777001 | 2   | アタマツキトメネシ"6    | SET SCREW 6                    |      |
| 1-5     | S20676001 | 1   | イトチヨウシホ"ウ      | TENSION STUD                   |      |
| 1-7     | S23775001 | 1   | コイルハ"ネ         | COIL SPRING                    |      |
| 1-8     | S20681000 | 1   | チヨウシハ"ネウエザ"ガ"ネ | WASHER                         |      |
| 1-9     | S20682005 | 1   | イトチヨウシナツト      | TENSION NUT                    |      |
| 1-10    | S21296001 | 1   | キシ"オウエ         | RUFFLING BLADE                 |      |
| 1-11    | 144784001 | 1   | キシ"オウエザ"ガ"ネ    | WASHER                         |      |
| 1-12    | 062300816 | 2   | ナヘ"コM3X8       | SCREW M3X8                     |      |
| 1-13    | S21297001 | 1   | ラフラーソウチトリツクダ"イ | RUFFLER BASE                   |      |
| 1-14    | S21306001 | 1   | ダ"ンネシ"6        | STUD SCREW 6                   |      |
| 1-15    | S21307001 | 2   | ハ"ネザ"ガ"ネ       | SPRING WASHER                  |      |
| 1-16    | S21298001 | 1   | キシ"オウエアンナイ     | RUFFLING BLADE GUIDE           |      |
| 1-17    | 062350816 | 1   | ナヘ"コM3.5X8     | SCREW M3.5X8                   |      |
| 1-18    | S21299001 | 1   | キシ"オウエアケ"      | CLOTH PRESSER BAR LIFTER       |      |
| 1-19    | S23651001 | 2   | アナヒラ6X6ホソメ     | SET SCREW 6X6                  |      |
| 1-20    | S21300001 | 1   | ハント"ルトリツクイタ    | HANDLE SET PLATE               |      |
| 1-21    | 021060306 | 1   | 3シユナツト6        | NUT 6                          |      |
| 1-22    | 062401616 | 1   | ナヘ"コ4X16       | SCREW 4X16                     |      |
| 1-23    | 021400216 | 1   | 2シユナツト4        | NUT 4                          |      |
| 1-24    | S21301001 | 1   | ハント"ルモト"シハ"ネ   | SPRING                         |      |
| 1-25    | S21302001 | 1   | キシ"オウエタイトメハ"ネU | SPRING PLATE (U)               |      |
| 1-26    | 062350616 | 1   | ナヘ"コM3.5X6     | SCREW M3.5X6                   |      |
| 1-27    | S21303001 | 1   | キシ"オウエタイトメハ"ネD | SPRING PLATE (D)               |      |
| 1-28    | 062350516 | 2   | ナヘ"コ3.5X5      | SCREW 3.5X5                    |      |
| 1-29    | S21304001 | 1   | カラ-            | COLLAR                         |      |
| 2       | 062401616 | 1   | ナヘ"コ4X16       | SCREW 4X16                     |      |
| 3       | 060401016 | 1   | ハ"イント"4X10     | SCREW M4X10                    |      |
| 4       | S21590000 | 1   | キシ"アンナイ        | RUFFLER GUIDE                  |      |
| 5       | S23418001 | 2   | シメネシ"4X5       | SCREW 4X5                      |      |
| 6       | S23779001 | 1   | ハント"ル          | HANDLE                         |      |
| 7       | 021060306 | 1   | 3シユナツト6        | NUT 6                          |      |
| 8       | S21310001 | 1   | キシ"オウエアケ"      | CLOTH PRESSER BAR LIFTER LEVER |      |
| 9       | S21311001 | 1   | オウエアケ"ダ"イ      | PRESSER BAR LIFTER BRACKET     |      |
| 10      | S21312001 | 1   | ピン6.35         | PIN 6.35                       |      |
| 11      | 012060636 | 1   | アナヒラ6X6        | SET SCREW 6X6                  |      |
| 12      | 062350816 | 2   | ナヘ"コ3.5X8      | SCREW 3.5X8                    |      |
| 13      | S21313001 | 1   | ワイヤートリツクイタ     | WIRE SET PLATE                 |      |
| 14      | S21314001 | 1   | フレキシブルワイヤークミ   | FLEXIBLE WIRE ASSEMBLY         |      |
| 15      | S23774001 | 1   | ダ"ンネシ"3.5      | STUD SCREW 3.5                 |      |
| 16      | S21315001 | 1   | スタツト"M4        | STUD M4                        |      |
| 17      | 021400216 | 1   | 2シユナツト4        | NUT 4                          |      |
| 18      | S21316001 | 1   | ワイヤーストッパ-      | WIRE STOPPER                   |      |
| 19      | 012400436 | 1   | アナヒラ4X4        | SET SCREW 4X4                  |      |
| 26      | S25019001 | 1   | ラッパ"ート"ダ"イ     | LAPPER BASE                    |      |
| 27      | 012060636 | 2   | アナヒラ6X6ホソメ     | SET SCREW 6X6                  |      |

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半沈用 /FOR SEMI-SUBMERGED



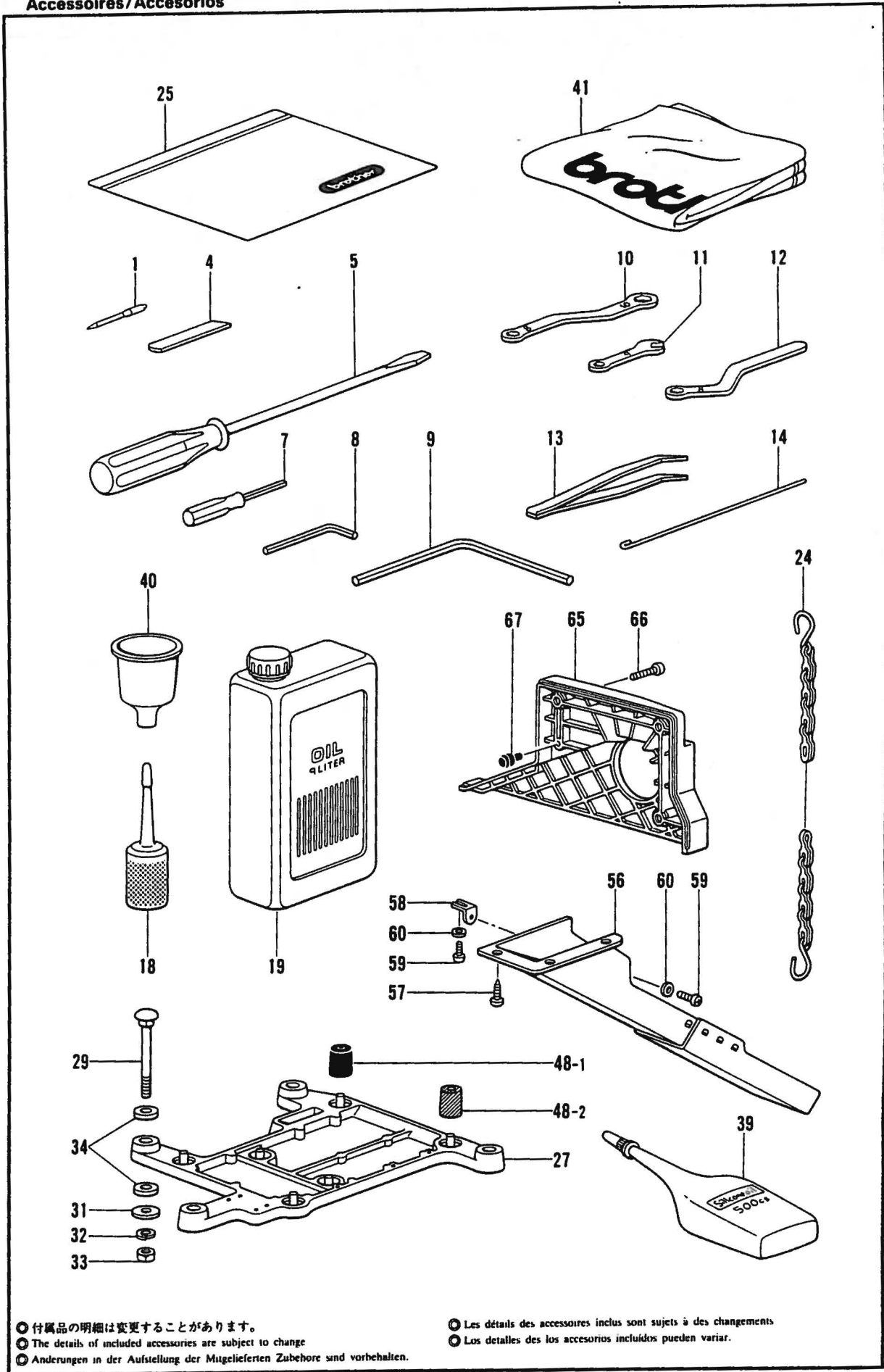
オプションパーツ /OPTION PARTS  
 全沈用 /FOR FULL-SUBMERGED



K. フノフー装置関係 / running attachment / Krausevorrichtung /  
 Accessoire pour fronces / Accesorio de fruncido

| REF.NO. | CODE      | QTY | 品名              | NAME OF PARTS                       | RMKS |
|---------|-----------|-----|-----------------|-------------------------------------|------|
| 20-1    | S21373001 | 1   | サト"ウチヨウセツクミ     | DIFFERENTIAL FEED ADJUSTER ASSEMBLY |      |
| 20-1-1  | 155197101 | 1   | ヒサ"アテヨコシ"クウケ    | KNEE LIFTER SHAFT BRACKET           |      |
| 20-1-2  | S21375001 | 1   | ヨコシ"ク           | KNEE LIFTER SHAFT                   |      |
| 20-1-3  | 155199101 | 1   | ヒサ"アテツキ"テ       | KNEE LIFTER BRACKET                 |      |
| 20-1-4  | 017781012 | 2   | ボ"ルト6.35X10     | BOLT 6.35X10                        |      |
| 20-1-5  | 148797001 | 1   | ヒサ"アケ"タテシ"クS    | KNEE LIFTER BAR (S)                 |      |
| 20-1-6  | 014780622 | 1   | アナトメネシ"6.35クボ"ミ | SET SCREW 6.35                      |      |
| 20-1-7  | 148798009 | 1   | ヒサ"アテL          | KNEE LIFTER PLATE (L)               |      |
| 20-1-8  | 100463001 | 1   | 4カクボ"ルト7.94     | BOLT 7.94                           |      |
| 20-1-9  | 155201201 | 1   | ヒサ"アテレハ"ー       | KNEE LIFTER LEVER                   |      |
| 20-1-10 | 017781012 | 2   | ボ"ルト6.35X10     | BOLT 6.35X10                        |      |
| 20-1-11 | S21377001 | 1   | ヒサ"アテレハ"ーハ"ネ    | SPRING                              |      |
| 20-1-12 | S21378001 | 2   | ヨコシ"クトメク"       | COLLAR                              |      |
| 20-1-13 | 017781012 | 4   | ボ"ルト6.35X10     | BOLT 6.35X10                        |      |
| 21      | S21379001 | 1   | ヒサ"アテリンク        | CONNECTING BAR                      |      |
| 23      | 062401016 | 4   | ナヘ"コ4X10        | SCREW 4X10                          |      |
| 25      | 021400206 | 2   | 2シユナット4         | NUT 4                               |      |
| 20-2    | S21380001 | 1   | サト"ウチヨウセツクミ     | DIFFERENTIAL FEED ADJUSTER ASSEMBLY |      |
| 20-2-1  | 155197101 | 1   | ヒサ"アテヨコシ"クウケ    | KNEE LIFTER SHAFT BRACKET           |      |
| 20-2-2  | S21375001 | 1   | ヨコシ"ク           | KNEE LIFTER SHAFT                   |      |
| 20-2-3  | 155199101 | 1   | ヒサ"アテツキ"テ       | KNEE LIFTER BRACKET                 |      |
| 20-2-4  | 017781012 | 2   | ボ"ルト6.35X10     | BOLT 6.35X10                        |      |
| 20-2-5  | 148797001 | 1   | ヒサ"アケ"タテシ"クS    | KNEE LIFTER BAR (S)                 |      |
| 20-2-6  | 014780622 | 1   | アナトメネシ"6.35クボ"ミ | SET SCREW 6.35                      |      |
| 20-2-7  | 148798009 | 1   | ヒサ"アテL          | KNEE LIFTER PLATE (L)               |      |
| 20-2-8  | 100463001 | 1   | 4カクボ"ルト7.94     | BOLT 7.94                           |      |
| 20-2-9  | 155201201 | 1   | ヒサ"アテレハ"ー       | KNEE LIFTER LEVER                   |      |
| 20-2-10 | 017781012 | 2   | ボ"ルト6.35X10     | BOLT 6.35X10                        |      |
| 20-2-11 | S21377001 | 1   | ヒサ"アテレハ"ーハ"ネ    | SPRING                              |      |
| 20-2-12 | S21378001 | 2   | ヨコシ"クトメク"       | COLLAR                              |      |
| 20-2-13 | 017781012 | 4   | ボ"ルト6.35X10     | BOLT 6.35X10                        |      |
| 22      | S21381001 | 1   | ヒサ"アテリンク        | CONNECTING BAR                      |      |
| 23      | 062401016 | 4   | ナヘ"コ4X10        | SCREW 4X10                          |      |
| 25      | 021400206 | 2   | 2シユナット4         | NUT 4                               |      |



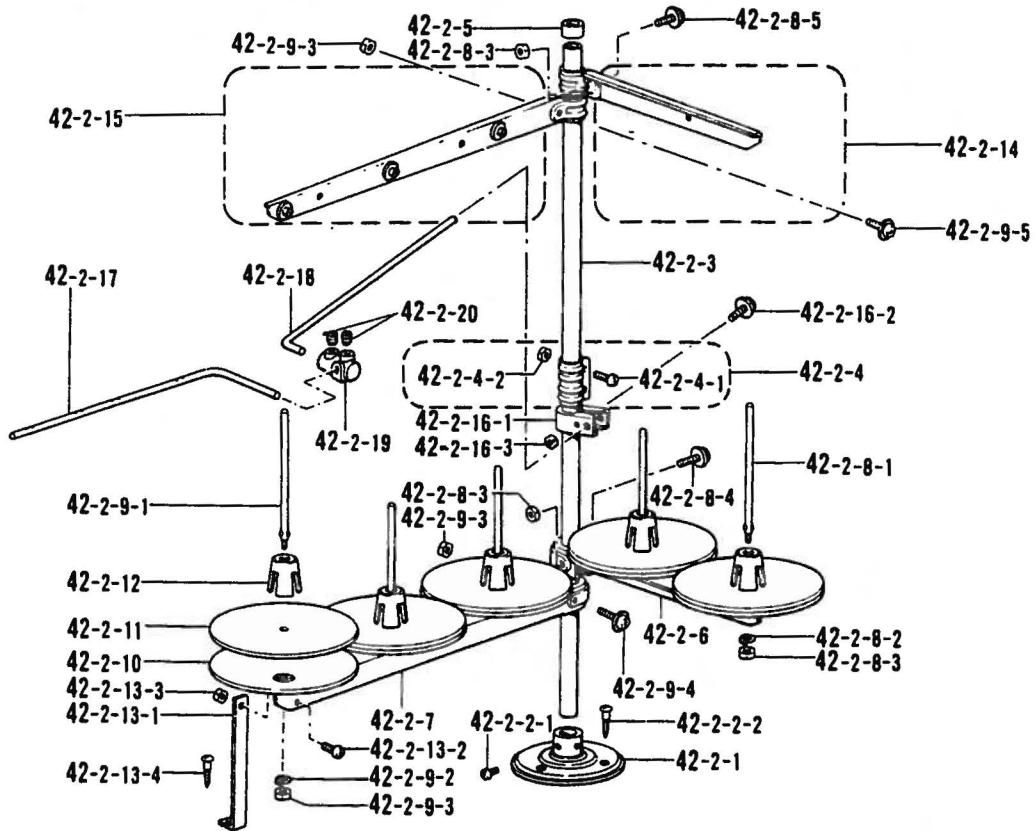


◎ 付属品の明細は変更することがあります。  
 ◎ The details of included accessories are subject to change  
 ◎ Änderungen in der Aufstellung der MugeLieferanten Zubehöre sind vorbehalten.

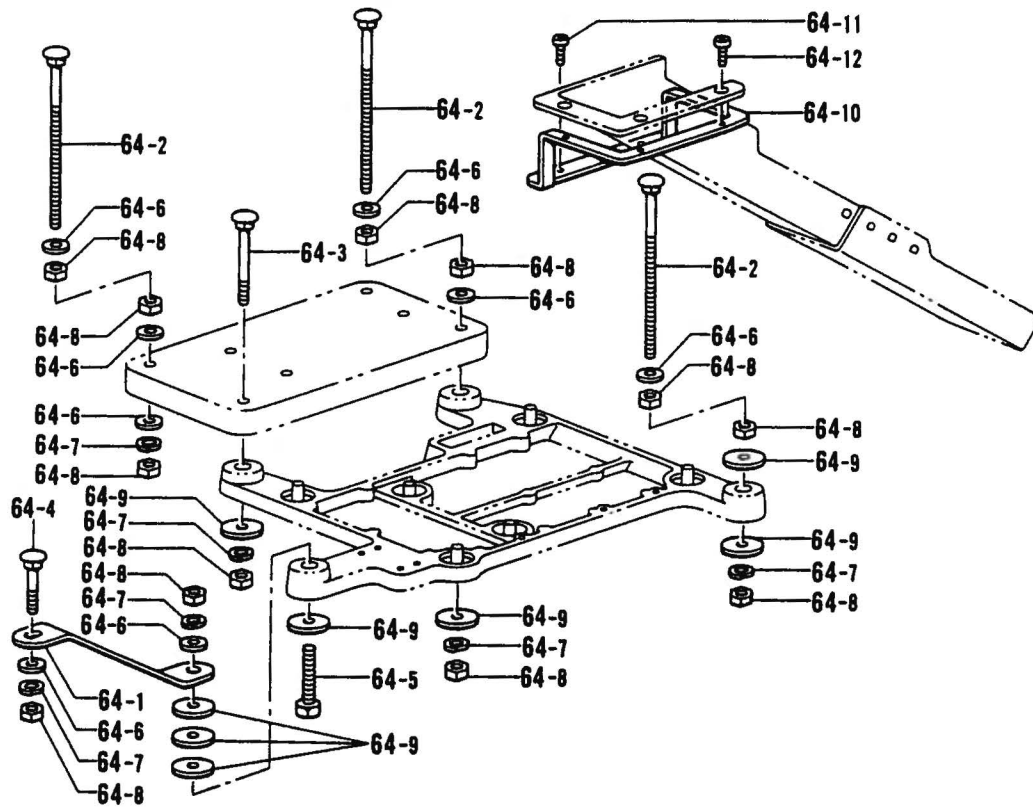
◎ Les détails des accessoires inclus sont sujets à des changements  
 ◎ Los detalles de los accesorios incluidos pueden variar.

Z. 付属品関係 / Accessories / Zubenor /  
Accessoires / Accesorios

| REF.NO. | CODE      | Q'TY | ヒンメイ          | NAME OF PARTS            | RMKS |
|---------|-----------|------|---------------|--------------------------|------|
| 1       | *         | 8    | ミシンハリDCX27    | NEEDLE DCX27             |      |
| 4       | *         | 1    | シタメス          | LOWER KNIFE              |      |
| 5       | 101572101 | 1    | ネシマワシ5.5X190  | SCREW DRIVER 5.5X190     |      |
| 7       | S01943001 | 1    | 6カクホウネシマワシ1.6 | SCREW DRIVER 1.6         |      |
| 8       | 142002001 | 1    | 6カクホウスハナ2     | HEXAGONAL WRENCH 2       |      |
| 9       | 149570001 | 1    | 6カクホウスハナ5     | HEXAGONAL WRENCH 5       |      |
| 10      | S23356001 | 1    | メガネレンチ8X10    | WRENCH 8X10              |      |
| 11      | S23363001 | 1    | スハナ6          | SPANNER 6                |      |
| 12      | S20723001 | 1    | メガネレンチ8       | WRENCH 8                 |      |
| 13      | 117466000 | 1    | ピンセット         | PINCETTE                 |      |
| 14      | S24473000 | 1    | イトオシ          | THREADER                 |      |
| 18      | S06701000 | 1    | ホリオイラータミ      | POLY OILER ASSEMBLY      |      |
| 19      | 145277105 | 1    | オイルタンク        | OIL TANK                 |      |
| 24      | 142262001 | 1    | クサリフクミ        | CHAIN (F) ASSEMBLY       |      |
| 25      | 122991001 | 1    | フックピンホリフクロ    | ACCESSORY BAG            |      |
| 27      | S20718000 | 1    | トウフウケ         | HEAD PLATE               |      |
| 29      | 210973001 | 4    | カクネホルト8X85    | BOLT 8X85                |      |
| 31      | 213650001 | 4    | ワ2.3X8.5X38ST | WASHER 2.3X8.5X38ST      |      |
| 32      | 028080242 | 4    | ハネサカネ2-8      | SPRING WASHER 2-8        |      |
| 33      | 021080106 | 4    | ナット1シユ8       | NUT 8                    |      |
| 34      | S20719000 | 8    | クッション         | CUSHION                  |      |
| 39      | S06704001 | 1    | シリコンオイル       | SILICONE OIL             |      |
| 40      | S20769000 | 1    | シヨゴ           | FUNNEL                   |      |
| 41      | 144225002 | 1    | トウフウカバー       | HEAD COVER               |      |
| 48-1    | 147919001 | 1    | ホウシンゴム        | RUBBER CUSHION           |      |
| 48-2    | 147919002 | 3    | ホウシンゴム        | RUBBER CUSHION           |      |
| 56      | 183797009 | 1    | ダスターシュートクミ    | DUSTER SHOOT ASSEMBLY    |      |
| 57      | 031411304 | 4    | マルモクネシ4.1X13  | SCREW 4.1X13             |      |
| 58      | S23353001 | 1    | ダスターシュートササIS  | DUSTER SHOOT SUPPORT (S) |      |
| 59      | 062400616 | 2    | ナヘコM4X6       | SCREW M4X6               |      |
| 60      | 025040332 | 2    | ヒラサカネタ4       | PLAIN WASHER 4           |      |
| 65      | S20312000 | 1    | ベルトカバー        | BELT COVER               |      |
| 66      | 062061416 | 3    | ナヘコ6X14       | SCREW 6X14               |      |
| 67      | S20412000 | 1    | メクラセン         | OIL CAP                  |      |



オプションパーツ / OPTION PARTS



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● Änderungen in der Aufstellung der Mitgelieferten Zubehöre sind vorbehalten

● Les détails des accessoires inclus sont sujets à des changements.  
● Los detalles de los accesorios incluidos pueden variar.



4. 付属品関係 / Accessories / Zubehör /  
Accessoires / Accesorios

| REF.NO.                                | CODE      | Q'TY | ヒンメイ             | NAME OF PARTS                | RMKS |
|--|-----------|------|------------------|------------------------------|------|
| 42-2                                   | S02770309 | 1    | イトテテ"イクミ5THF     | COTTON STAND ASSEMBLY 5THF   |      |
| 42-2-1                                 | 150189109 | 1    | フ"ラケツト           | COTTON STAND BASE            |      |
| 42-2-2                                 | S02773001 | 1    | フ"ラケツトネシ"セット     | COTTON STAND BASE SCREW SET  |      |
| 42-2-2-1                               | 062060806 | 2    | ナヘ"コ6X8          | SCREW 6X8                    |      |
| 42-2-2-2                               | 031452206 | 3    | マルモク45X22        | SCREW 45X22                  |      |
| 42-2-3                                 | 150172003 | 2    | コラムパイプ           | COLUMN PIPE                  |      |
| 42-2-4                                 | 150106003 | 1    | コラムシ"ョイントクミ      | COLUMN JOINT ASSEMBLY        |      |
| 42-2-4-1                               | 062501406 | 2    | ナヘ"コ5X14         | SCREW 5X14                   |      |
| 42-2-4-2                               | 021500106 | 2    | 1シユナツト5          | NUT 5                        |      |
| 42-2-5                                 | 150174000 | 1    | コラムキャツプ          | COLUMN CAP                   |      |
| 42-2-6                                 | S02778002 | 1    | スプールホルター-2       | SPOOL HOLDER 2               |      |
| 42-2-7                                 | S02779009 | 1    | スプールホルター-3       | SPOOL HOLDER 3               |      |
| 42-2-8                                 | S02780001 | 1    | スプールネシ"セット2      | SPOOL SCREW SET 2            |      |
| 42-2-8-1                               | 150179002 | 2    | スプールシ"クB         | SPOOL SHAFT (B)              |      |
| 42-2-8-2                               | 028050246 | 2    | ハ"ネサ"ガ"ネ2-5      | SPRING WASHER 2-5            |      |
| 42-2-8-3                               | 021500106 | 4    | 1シユナツト5          | NUT 5                        |      |
| 42-2-8-4                               | 050503006 | 1    | ナヘ"コヒラサ"5X30     | WASHER SCREW 5X30            |      |
| 42-2-8-5                               | 050501406 | 1    | ナヘ"コヒラサ"5X14     | WASHER SCREW 5X14            |      |
| 42-2-9                                 | S02782001 | 1    | スプールネシ"セット3      | SPOOL SCREW SET 3            |      |
| 42-2-9-1                               | 150179002 | 3    | スプールシ"クB         | SPOOL SHAFT (B)              |      |
| 42-2-9-2                               | 028050246 | 3    | ハ"ネサ"ガ"ネ2-5      | SPRING WASHER 2-5            |      |
| 42-2-9-3                               | 021500106 | 5    | 1シユナツト5          | NUT 5                        |      |
| 42-2-9-4                               | 050503006 | 1    | ナヘ"コヒラサ"5X30     | WASHER SCREW 5X30            |      |
| 42-2-9-5                               | 050501406 | 1    | ナヘ"コヒラサ"5X14     | WASHER SCREW 5X14            |      |
| 42-2-10                                | 150180001 | 5    | ウケザ"ラ            | SPOOL STAND BASE             |      |
| 42-2-11                                | 150182000 | 5    | スプールマット          | SPOOL MAT                    |      |
| 42-2-12                                | 126863001 | 5    | スプールクツシヨ"ン       | SPOOL CUSHION                |      |
| 42-2-13                                | S02784009 | 1    | ホルター-ササ"IA"セット   | HOLDER SUPPORT (A) SET       |      |
| 42-2-13-1                              | 150188009 | 1    | スプールホルター-ササ"IA   | SPOOL HOLDER SUPPORT (A)     |      |
| 42-2-13-2                              | 062501006 | 1    | ナヘ"コ5X10         | SCREW 5X10                   |      |
| 42-2-13-3                              | 021500106 | 1    | 1シユナツト5          | NUT 5                        |      |
| 42-2-13-4                              | 031452206 | 1    | マルモク45X22        | SCREW 45X22                  |      |
| 42-2-14                                | S02786002 | 1    | スレツト"ハンガ"ークミ2    | THREAD HANGER ASSEMBLY 2     |      |
| 42-2-15                                | S02788009 | 1    | スレツト"ハンガ"ークミ3    | THREAD HANGER ASSEMBLY 3     |      |
| 42-2-16                                | 150145009 | 1    | イトアンナイホルター-クミ    | THREAD GUIDE HOLDER ASSEMBLY |      |
| 42-2-16-1                              | 150185009 | 1    | イトアンナイホルター-      | THREAD GUIDE HOLDER          |      |
| 42-2-16-2                              | 050503006 | 1    | ナヘ"コヒラサ"5X30     | WASHER SCREW 5X30            |      |
| 42-2-16-3                              | 021500106 | 1    | 1シユナツト5          | NUT 5                        |      |
| 42-2-17                                | 142999101 | 1    | イトアンナイ5          | THREAD GUIDE 5               |      |
| 42-2-18                                | S04109001 | 1    | イトアンナイササ"エホ"ウ    | THREAD GUIDE SUPPORT BAR     |      |
| 42-2-19                                | 138843001 | 1    | ササ"エホ"ウツキ"テ      | JOINT                        |      |
| 42-2-20                                | 014060632 | 2    | アナト"メ6X6クホ"ミ     | SET SCREW 6X6                |      |
| <b>&lt;オプションパーツ / OPTION PARTS&gt;</b> |           |      |                  |                              |      |
| 64                                     | 183798001 | 1    | フルサブ"マーシ"セット     | FULL SUBMERGED SET           |      |
| 64-1                                   | S20721001 | 1    | トウフ"ウケササ"エ       | HEAD PLATE SUPPORT           |      |
| 64-2                                   | 153318101 | 4    | カクネマルアタマホ"ルト     | BOLT                         |      |
| 64-3                                   | 210973001 | 1    | カクネホ"ルト8X85      | BOLT 8X85                    |      |
| 64-4                                   | 211964001 | 1    | カクネホ"ルト8X55      | BOLT 8X55                    |      |
| 64-5                                   | 017085502 | 1    | ホ"ルトM8X55        | BOLT 8X55                    |      |
| 64-6                                   | 025080236 | 11   | ヒラサ"ガ"ネチユウ8      | PLAIN WASHER 8               |      |
| 64-7                                   | 028080242 | 7    | ハ"ネサ"ガ"ネ2-8      | SPRING WASHER 2-8            |      |
| 64-8                                   | 021080106 | 15   | ナツト1シユ8          | NUT 8                        |      |
| 64-9                                   | 213650001 | 8    | ワ"2.3X8.5X38ST   | WASHER 2.3X8.5X38ST          |      |
| 64-10                                  | S20722001 | 1    | ダ"スター-シュー"トササ"エL | DUSTER SHOOT SUPPORT (L)     |      |
| 64-11                                  | 060400816 | 2    | ハ"イント"4X8        | SCREW 4X8                    |      |
| 64-12                                  | 060400816 | 3    | ハ"イント"4X8        | SCREW 4X8                    |      |

仕様別部品一覧表 / DIFFERENT PARTS LIST / ZUBEHÖRLISTE /  
LISTE DES PIÈCES ACCESSOIRES / LISTA DE PIEZAS ACCESORIAS

| SUB CLASS | サンショウ パンゴウ<br>REF.NO.<br>ヒンメイ<br>PARTS<br>シヨク<br>SPEC | C-10                                  | C-11                          | C-32                    | E-75                                     | E-75-1                     | E-75-2                      | E-77                                    |
|-----------|---|---------------------------------------|-------------------------------|-------------------------|--|----------------------------|-----------------------------|---|
|           |   | ハルトメクミ<br>NEEDLE<br>CLAMP<br>ASSEMBLY | ミシンパノDCX27<br>NEEDLE<br>DCX27 | ハノイタ<br>NEEDLE<br>PLATE | シュオクリハクミ<br>MAIN<br>FEED DOG<br>ASSEMBLY | シュオクリハ<br>MAIN<br>FEED DOG | ホシヨクリハ<br>CHAIN<br>FEED DOG | サトウクリハ<br>DIFFEREN-<br>TIAL<br>FEED DOG |
| 61-2      | イッパシノイ  |                                       |                               | S25194001               |  |                            |                             |   |
| -3        |   | S29146001                             | 151474011                     | S25195001               | S19221001                                | S19222001                  | S19223001                   | S19245001                               |
| -4        | THIN  |                                       |                               | S19174001               |  |                            |                             |   |
| -5        |   |                                       |                               | S19175001               |  |                            |                             |   |
| 62-2      | イッパシノイ  |                                       |                               | S25194001               |  |                            |                             |   |
| -3        |   | ↑                                     | ↑                             | S25195001               | ↑  | ↑                          | ↑                           | ↑                                       |
| -4        | THIN  |                                       |                               | S19174001               |  |                            |                             |   |
| -5        |   |                                       |                               | S19175001               |  |                            |                             |   |
| 63-3      | イッパシノイ  |                                       |                               | S20234001               |  |                            |                             |   |
| -4        |   | S20404001                             | 151474014                     | S20235001               | S20241001                                | S20242001                  | S20243001                   | S20245001                               |
| -5        | THIN MEDIUM   |                                       |                               | S20236001               |  |                            |                             |   |
| -7        |   |                                       |                               | S25196001               |  |                            |                             |   |
| 64-3      | イッパシノイ  |                                       |                               | S20234001               |  |                            |                             |   |
| -4        |   | ↑                                     | ↑                             | S20235001               | ↑  | ↑                          | ↑                           | ↑                                       |
| -5        | THIN MEDIUM   |                                       |                               | S20236001               |  |                            |                             |   |
| 65-4      | イッパシノイ  |                                       |                               | S20231001               |  |                            |                             |   |
| -5        |   | S20406001                             | 151474016                     | S20232001               | S20239001                                | S20240001                  | S19223001                   | S20244001                               |
| -6        | THICK   |                                       |                               | S20233001               |  |                            |                             |   |
| -7        |   |                                       |                               | S25197001               |  |                            |                             |   |
| 66-4      | イッパシノイ  |                                       |                               | S20231001               |  |                            |                             |   |
| -5        |   | ↑                                     | ↑                             | S20232001               | ↑  | ↑                          | ↑                           | ↑                                       |
| -6        | THICK   |                                       |                               | S20233001               |  |                            |                             |   |
| -7        |   |                                       |                               | S25197001               |  |                            |                             |   |
| 67-4      | ラフリング   |                                       |                               | S25198001               |  |                            |                             |   |
| -5        |   | S29146001                             | 151474014                     | S25199001               | S19224001                                | S19225001                  | ↑                           | S19246001                               |
|           | RUFFLING  |                                       |                               |                         |  |                            |                             |   |
| 68-5      | ラフリング   |                                       |                               |                         |  |                            |                             |   |
|           |   | ↑                                     | ↑                             | S25199001               | ↑  | ↑                          | ↑                           | ↑                                       |
|           | RUFFLING  |                                       |                               |                         |  |                            |                             |   |
| 69-4      | ラフリング   |                                       |                               | S19497001               |  |                            |                             |   |
| -5        |   | S20404001                             | ↑                             | S19182001               | ↑  | ↑                          | ↑                           | ↑                                       |
|           | RUFFLING  |                                       |                               |                         |  |                            |                             |   |

| SUB CLASS  | サンショウ パンゴウ<br>REF.NO.<br>ヒンメイ<br>PARTS<br>シヨウ<br>SPEC | C-10                                  | C-11                          | C-32                    | E-75                                     | E-75-1                     | E-75-2                      | E-77                                    |
|------------|---|---------------------------------------|-------------------------------|-------------------------|--|----------------------------|-----------------------------|---|
|            |   | ハルトメクミ<br>NEEDLE<br>CLAMP<br>ASSEMBLY | ミシンハリDCX27<br>NEEDLE<br>DCX27 | ハリイタ<br>NEEDLE<br>PLATE | シュオクリハクミ<br>MAIN<br>FEED DOG<br>ASSEMBLY | シュオクリハ<br>MAIN<br>FEED DOG | ホシヨクリハ<br>CHAIN<br>FEED DOG | サトウクリハ<br>DIFFEREN-<br>TIAL<br>FEED DOG |
| 70-5       | ラフリング<br>RUFFLING                                     | S20404001                             | 151474014                     | S19182001               | S19224001                                | S19225001                  | S19223001                   | S19246001                               |
| 71-5<br>-6 | ラフリング<br>RUFFLING                                     | S20406001                             | ↑                             | S19183001<br>S19184001  | S19226001                                | S19227001                  | ↑                           | ↑                                       |
| 72-5       | ラフリング<br>RUFFLING                                     | ↑                                     | ↑                             | S19183001               | ↑  | ↑                          | ↑                           | ↑                                       |
| 75-5       | ラフリング<br>ハイビッキングツキ<br>RUFFLING<br>W/PIPING            | S20404001                             | ↑                             | S19182001               | S19224001                                | S19225001                  | ↑                           | ↑                                       |
| 76-5       | ラフリング<br>ハイビッキングツキ<br>RUFFLING<br>W/PIPING            | ↑                                     | ↑                             | ↑                       | ↑  | ↑                          | ↑                           | ↑                                       |
| 77-5<br>-6 | ラフリング<br>ハイビッキングツキ<br>RUFFLING<br>W/PIPING            | S20406001                             | ↑                             | S19183001<br>S19184001  | S19226001                                | S19227001                  | ↑                           | ↑                                       |
| 78-5       | ラフリング<br>ハイビッキングツキ<br>RUFFLING<br>W/PIPING            | ↑                                     | ↑                             | S19183001               | ↑  | ↑                          | ↑                           | ↑                                       |
| 81-4<br>-5 | テーピング<br>TAPING                                       | S20404001                             | ↑                             | S20235001<br>S20236001  | S20241001                                | S20242001                  | S20243001                   | S20245001                               |
| 82-5       | テーピング<br>TAPING                                       | ↑                                     | ↑                             | S20236001               | ↑  | ↑                          | ↑                           | ↑                                       |



| SUB CLASS | ショウ SPEC                   | サンショウ ハンゴウ | C-10                  | C-11         | C-32         | E-75                   | E-75-1        | E-75-2         | E-77                  |
|-----------|----------------------------|------------|-----------------------|--------------|--------------|------------------------|---------------|----------------|-----------------------|
|           |                            | REF.NO.    | ハジメメクミ                | ミシンハリDCX27   | ハリイタ         | シュオクリハクミ               | シュオクリハ        | ホジヨクリハ         | サトウクリハ                |
|           |                            | ヒンメイ PARTS | NEEDLE CLAMP ASSEMBLY | NEEDLE DCX27 | NEEDLE PLATE | MAIN FEED DOG ASSEMBLY | MAIN FEED DOG | CHAIN FEED DOG | DIFFERENTIAL FEED DOG |
| 83-4      | テーピング                      |            |                       |              | S20231001    | S20239001              | S20240001     |                | S20244001             |
| -5        |                            | S20406001  | 151474016             |              | S20232001    | ↑                      | ↑             | S19223001      | ↑                     |
| -6        | TAPING                     |            |                       |              | S19181001    | S19221001              | S19222001     |                | S19245001             |
| 84-4      | テーピング                      |            |                       |              | S20231001    | S20239001              | S20240001     |                | S20244001             |
| -5        |                            | ↑          | ↑                     |              | S20232001    | ↑                      | ↑             | ↑              | ↑                     |
| -6        | TAPING                     |            |                       |              | S19181001    | S19221001              | S19222001     |                | S19245001             |
| 85-3      | デニム                        |            |                       |              | S25200001    |                        |               |                |                       |
| -5        | HEAVY                      | S20404001  | 151474018             |              | S25201001    | S19228001              | S19229001     | ↑              | S25566001             |
| 86-5      | デニム                        |            |                       |              |              |                        |               |                |                       |
|           | HEAVY                      | ↑          | ↑                     |              | S25201001    | ↑                      | ↑             | ↑              | ↑                     |
| 89-4      | ハインディング                    |            |                       |              | S25202001    |                        |               |                |                       |
| -5        | テーピング<br>BINDING<br>TAPING | S20404001  | 151474014             |              | S25203001    | S19221001              | S19222001     | ↑              | S19245001             |
| 90-5      | ハインディング                    |            |                       |              |              |                        |               |                |                       |
|           | テーピング<br>BINDING<br>TAPING | ↑          | ↑                     |              | S25203001    | ↑                      | ↑             | ↑              | ↑                     |
| 92-5      | デニム                        |            |                       |              | S19185001    |                        |               |                |                       |
| -6        |                            | S21104001  | 151474018             |              | S19186001    | S19228001              | S19229001     | ↑              | S19247001             |
| -7        | HEAVY                      |            |                       |              | S19187001    |                        |               |                |                       |
| 93-5      | デニム                        |            |                       |              | S19185001    |                        |               |                |                       |
| -6        | HEAVY                      | ↑          | ↑                     |              | S19186001    | ↑                      | ↑             | ↑              | ↑                     |
|           |                            |            |                       |              |              |                        |               |                |                       |

| SUB CLASS | シヨウ SPEC    | サンショウ ハンゴウ<br>REF.NO. | F-14-1              | F-14-2              | F-20                | G-12                    | Z-1                           | Z-4                 |
|-----------|-------------|-----------------------|---------------------|---------------------|---------------------|-------------------------|-------------------------------|---------------------|
|           |             | ヒンメイ<br>PARTS         | ウワメス<br>UPPER KNIFE | カクメス<br>ANGLE KNIFE | シタメス<br>LOWER KNIFE | ウフルーパ<br>OVER<br>LOOPER | ミシンハリDCX27<br>NEEDLE<br>DCX27 | シタメス<br>LOWER KNIFE |
| 61-2      | イッパンシ"ヌイ    |                       |                     |                     |                     |                         |                               |                     |
| -3        |             | 144074200             | -----               | S20582001           | S20422001           | 151474011               | S20582001                     |                     |
| -4        | THIN        |                       |                     | (T=1.5)             | (A)                 |                         | (T=1.5)                       |                     |
| -5        |             |                       |                     |                     |                     |                         |                               |                     |
| 62-2      | イッパンシ"ヌイ    |                       |                     |                     |                     |                         |                               |                     |
| -3        |             | ↑                     | -----               | ↑                   | S20421001           | ↑                       | ↑                             |                     |
| -4        | THIN        |                       |                     |                     | (L)                 |                         |                               |                     |
| -5        |             |                       |                     |                     |                     |                         |                               |                     |
| 63-3      | イッパンシ"ヌイ    |                       |                     |                     |                     |                         |                               |                     |
| -4        |             | ↑                     | -----               | S20899001           | S20424001           | 151474014               | S20899001                     |                     |
| -5        | THIN MEDIUM |                       |                     | (T=1.0)             | (B)                 |                         | (T=1.0)                       |                     |
| -7        |             |                       |                     |                     |                     |                         |                               |                     |
| 64-3      | イッパンシ"ヌイ    |                       |                     |                     |                     |                         |                               |                     |
| -4        |             | ↑                     | -----               | S20582001           | S20423001           | ↑                       | S20582001                     |                     |
| -5        | THIN MEDIUM |                       |                     | (T=1.5)             | (M)                 |                         | (T=1.5)                       |                     |
| 65-4      | イッパンシ"ヌイ    |                       |                     |                     |                     |                         |                               |                     |
| -5        |             | ↑                     | -----               | ↑                   | S20424001           | 151474016               | ↑                             |                     |
| -6        | THICK       |                       |                     |                     | (B)                 |                         |                               |                     |
| -7        |             |                       |                     |                     |                     |                         |                               |                     |
| 66-4      | イッパンシ"ヌイ    |                       |                     |                     |                     |                         |                               |                     |
| -5        |             | ↑                     | -----               | ↑                   | S20423001           | ↑                       | ↑                             |                     |
| -6        | THICK       |                       |                     |                     | (M)                 |                         |                               |                     |
| -7        |             |                       |                     |                     |                     |                         |                               |                     |
| 67-4      | ラフリング"      |                       |                     |                     |                     |                         |                               |                     |
| -5        |             | ↑                     | -----               | ↑                   | S20424001           | 151474014               | ↑                             |                     |
|           | RUFFLING    |                       |                     |                     | (B)                 |                         |                               |                     |
| 68-5      | ラフリング"      |                       |                     |                     |                     |                         |                               |                     |
|           |             | ↑                     | -----               | ↑                   | S20423001           | ↑                       | ↑                             |                     |
|           | RUFFLING    |                       |                     |                     | (M)                 |                         |                               |                     |
| 69-4      | ラフリング"      |                       |                     |                     |                     |                         |                               |                     |
| -5        |             | ↑                     | -----               | ↑                   | S20424001           | ↑                       | ↑                             |                     |
|           | RUFFLING    |                       |                     |                     | (B)                 |                         |                               |                     |

| SUB CLASS  | シヨウ SPEC                                   | サンショウ ハンゴウ REF.NO. | F-14-1      | F-14-2               | F-20             | G-12         | Z-1                  | Z-4  |
|------------|--|--------------------|-------------|----------------------|------------------|--------------|----------------------|------|
|            |  | ヒンメイ PARTS         | ウフメス        | カクメス                 | シタメス             | ウフルーパ        | ミシンハリDCX27           | シタメス |
|            |  | UPPER KNIFE        | ANGLE KNIFE | LOWER KNIFE          | OVER LOOPER      | NEEDLE DCX27 | LOWER KNIFE          |      |
| 70-5       | ラフリング<br>RUFFLING                          | 144074200          | -----       | S20582001<br>(T=1.5) | S20423001<br>(M) | 151474014    | S20582001<br>(T=1.5) |      |
| 71-5<br>-6 | ラフリング<br>RUFFLING                          | ↑                  | -----       | ↑                    | S20424001<br>(B) | ↑            | ↑                    |      |
| 72-5       | ラフリング<br>RUFFLING                          | ↑                  | -----       | ↑                    | S20423001<br>(M) | ↑            | ↑                    |      |
| 75-5       | ラフリング<br>ハイビッキングツキ<br>RUFFLING<br>W/PIPING | ↑                  | -----       | ↑                    | S20424001<br>(B) | ↑            | ↑                    |      |
| 76-5       | ラフリング<br>ハイビッキングツキ<br>RUFFLING<br>W/PIPING | ↑                  | -----       | ↑                    | S20423001<br>(M) | ↑            | ↑                    |      |
| 77-5<br>-6 | ラフリング<br>ハイビッキングツキ<br>RUFFLING<br>W/PIPING | ↑                  | -----       | ↑                    | S20424001<br>(B) | ↑            | ↑                    |      |
| 78-5       | ラフリング<br>ハイビッキングツキ<br>RUFFLING<br>W/PIPING | ↑                  | -----       | ↑                    | S20423001<br>(M) | ↑            | ↑                    |      |
| 81-4<br>-5 | テーピング<br>TAPING                            | ↑                  | -----       | ↑                    | S20424001<br>(B) | ↑            | ↑                    |      |
| 82-5       | テーピング<br>TAPING                            | ↑                  | -----       | ↑                    | S20423001<br>(M) | ↑            | ↑                    |      |



| SUB CLASS        | シヨウ SPEC                              | サンシヨウ ハンゴウ REF.NO. | F-14-1                             | F-14-2                         | F-20             | G-12         | Z-1                            | Z-4  |
|------------------|---------------------------------------|--------------------|------------------------------------|--------------------------------|------------------|--------------|--------------------------------|------|
|                  |                                       | ヒンメイ PARTS         | ウフメス                               | カクメス                           | シタメス             | ウフルーバ        | ミシンハリDCX27                     | シタメス |
|                  |                                       | UPPER KNIFE        | ANGLE KNIFE                        | LOWER KNIFE                    | OVER LOOPER      | NEEDLE DCX27 | LOWER KNIFE                    |      |
| 83-4<br>-5<br>-6 | テーピング<br>TAPING                       | 144074200          | -----                              | S20582001<br>(T=1.5)           | S20424001<br>(B) | 151474016    | S20582001<br>(T=1.5)           |      |
| 84-4<br>-5<br>-6 | テーピング<br>TAPING                       | ↑                  | -----                              | ↑                              | S20423001<br>(M) | ↑            | ↑                              |      |
| 85-3<br>-5       | デニム<br>HEAVY                          | -----              | S20898001<br>(WAVE EDGE)<br>(WIDE) | S20583001<br>(T=1.5)<br>(WIDE) | S20438001<br>(G) | 151474018    | S20583001<br>(T=1.5)<br>(WIDE) |      |
| 86-5             | デニム<br>HEAVY                          | -----              | ↑                                  | ↑                              | S20429001<br>(Q) | ↑            | ↑                              |      |
| 89-4<br>-5       | ハインディング<br>テーピング<br>BINDING<br>TAPING | 144074200          | -----                              | S20582001<br>(T=1.5)           | S20424001<br>(B) | 151474014    | S20582001<br>(T=1.5)           |      |
| 90-5             | ハインディング<br>テーピング<br>BINDING<br>TAPING | ↑                  | -----                              | ↑                              | S20423001<br>(M) | ↑            | ↑                              |      |
| 92-5<br>-6<br>-7 | デニム<br>HEAVY                          | -----              | S20898001<br>(WAVE EDGE)<br>(WIDE) | S20583001<br>(T=1.5)<br>(WIDE) | S20438001<br>(G) | 151474018    | S20583001<br>(T=1.5)<br>(WIDE) |      |
| 93-5<br>-6       | デニム<br>HEAVY                          | -----              | ↑                                  | ↑                              | S20429001<br>(Q) | ↑            | ↑                              |      |
|                  |                                       |                    |                                    |                                |                  |              |                                |      |

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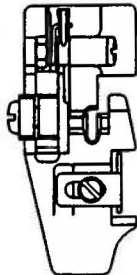
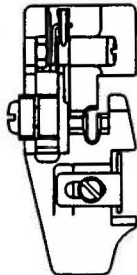
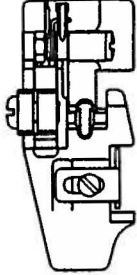
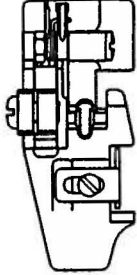
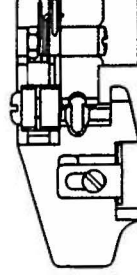
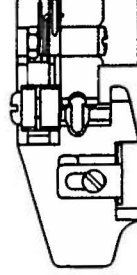


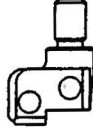
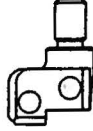
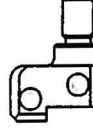
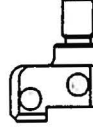
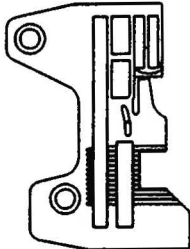
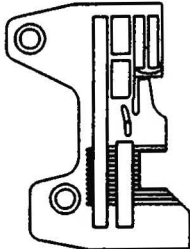
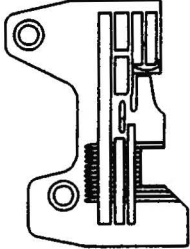
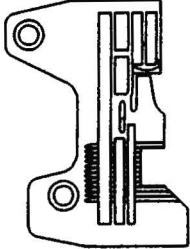
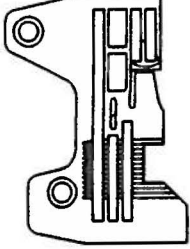
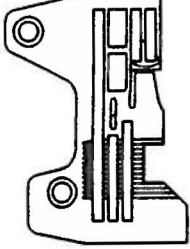
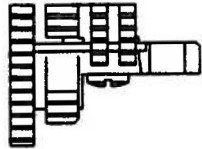
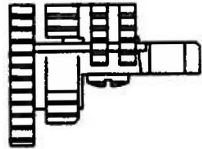
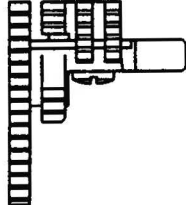
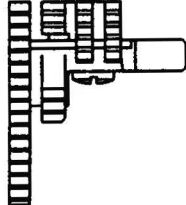
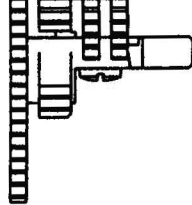
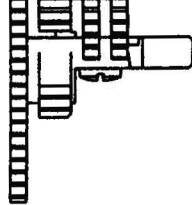




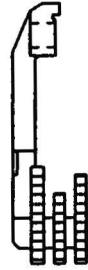
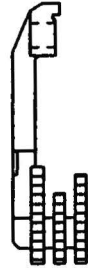
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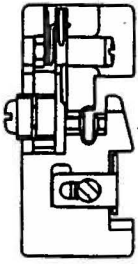
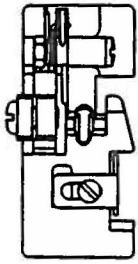
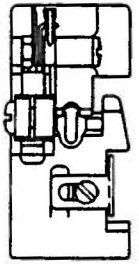

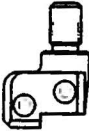
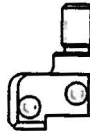
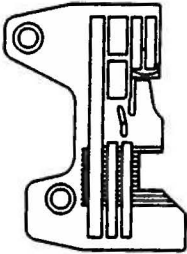
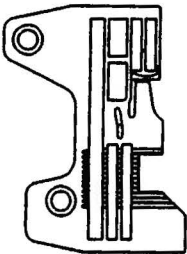
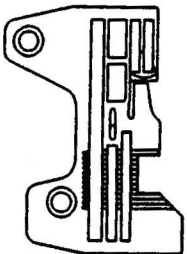
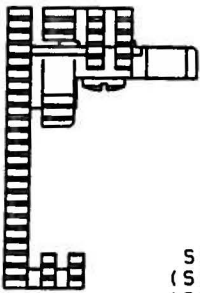
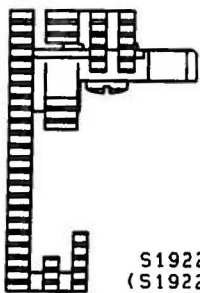

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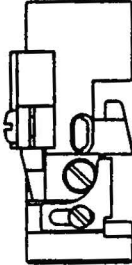
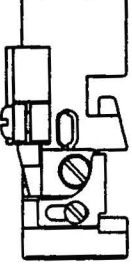
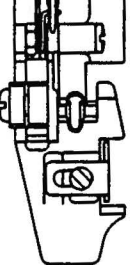

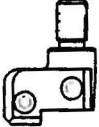
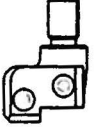
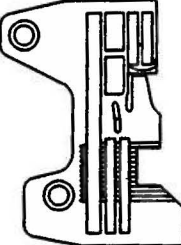
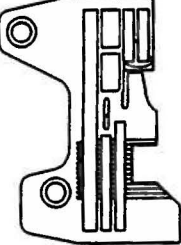
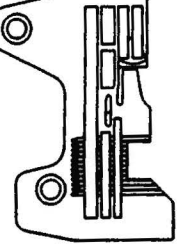
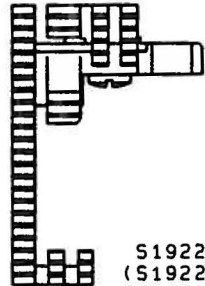
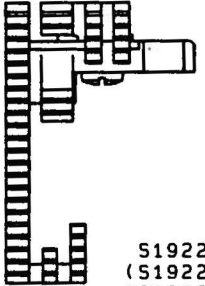
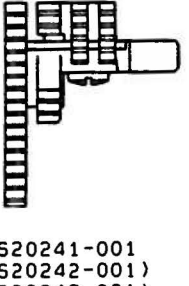
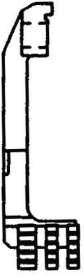

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| 155247000 | F - 3         | 24   |
|           | G - 11        | 26   |
|           | H - 9         | 28   |
| 155261000 | J - 23        | 30   |
| 155510001 | L - 63        | 36   |
| 156482000 | A - 51        | 2    |
| 158782101 | L - 62        | 34   |
| 159476000 | K - 13        | 32   |
|           | K - 15        | 32   |
|           | K - 19        | 32   |
| 183797009 | Z - 56        | 46   |
| 183798001 | Z - 64        | 48   |
| 210973001 | Z - 29        | 46   |
|           | Z - 64-3      | 48   |
| 211964001 | Z - 64-4      | 48   |
| 213650001 | Z - 31        | 46   |
|           | Z - 64-9      | 48   |

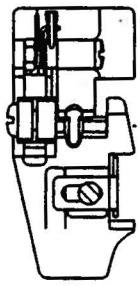
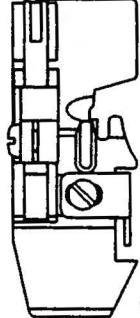
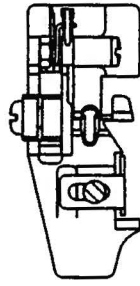
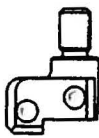
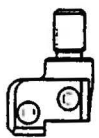
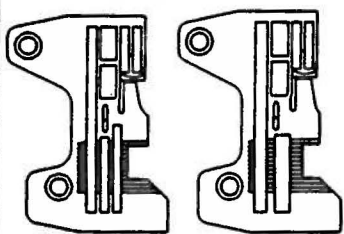
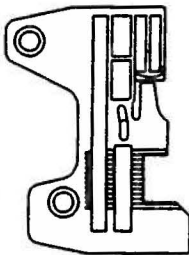
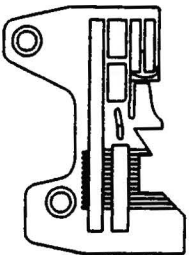
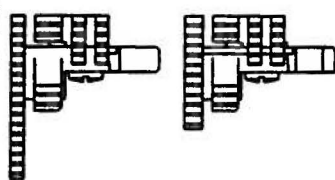
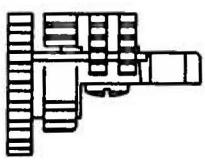
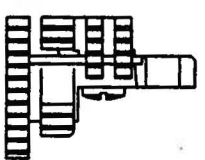
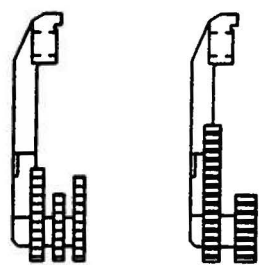
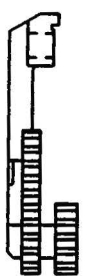
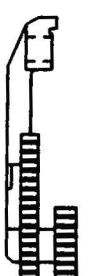
PIECES DE JAUGE/PIEZAS DE CALIBRE

| 用途<br>Application   | 一般地縫用(薄)<br>Thin   |  | 一般地縫用(薄・中厚)<br>Thin Medium   |  | 一般地縫用(厚)<br>Thick  |  |
|---|--|--|--|--|--|--|
|   | 61-2<br>-3<br>-4<br>-5   | 62-2<br>-3<br>-4<br>-5   | 63-3<br>-4<br>-5<br>-7   | 64-3<br>-4<br>-5   | 65-4<br>-5<br>-6<br>-7   | 66-4<br>-5<br>-6<br>-7   |
| 針巾(mm)<br>Needle Spacing  | 2  |  | 3  |  | 5  |  |
| 押工組<br>Presser Foot<br>Assembly   | <br>S19304-001  | <br>S19304-001  | <br>S19313-001  | <br>S19313-001  | <br>S19317-001  | <br>S19317-001  |
| 針止×組<br>Needle Clamp<br>Assembly  | <br>S29146-001  | <br>S29146-001  | <br>S20404-001  | <br>S20404-001  | <br>S20406-001  | <br>S20406-001  |
| 針板<br>Needle Plate  | <br>S25194-001(-2) S19174-001(-4)<br>S25195-001(-3) S19175-001(-5) | <br>S25194-001(-2) S19174-001(-4)<br>S25195-001(-3) S19175-001(-5) | <br>S20234-001(-3) S20236-001(-5)<br>S20235-001(-4) S25196-001(-7) | <br>S20234-001(-3) S20236-001(-5)<br>S20235-001(-4) S25196-001(-7) | <br>S20231-001(-4) S20233-001(-6)<br>S20232-001(-5) S25197-001(-7) | <br>S20231-001(-4) S20233-001(-6)<br>S20232-001(-5) S25197-001(-7) |
| 主送り歯組<br>Main<br>Feed Dog<br>Assembly<br>(主送り歯)<br>(Main Feed Dog)<br>(補助送り歯)<br>(Chain Feed Dog) | <br>S19221-001<br>(S19222-001)<br>(S19223-001)                    | <br>S19221-001<br>(S19222-001)<br>(S19223-001)                    | <br>S20241-001<br>(S20242-001)<br>(S20243-001)                   | <br>S20241-001<br>(S20242-001)<br>(S20243-001)                   | <br>S20239-001<br>(S20240-001)<br>(S19223-001)                    | <br>S20239-001<br>(S20240-001)<br>(S19223-001)                    |
| 差動送り歯<br>Differential<br>Feed Dog   | <br>S19245-001  | <br>S19245-001  | <br>S20245-001  | <br>S20245-001  | <br>S20244-001  | <br>S20244-001  |

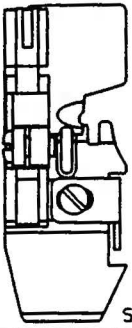

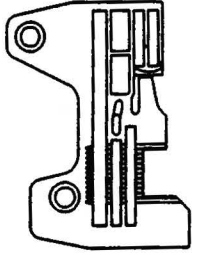
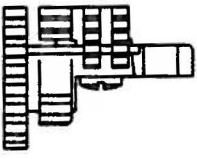
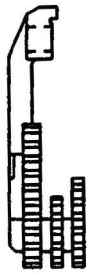


| 用途<br>Application   | ラフラー用<br>Ruffling   |      |   |      |   |      |
|---|---|------|---|------|---|------|
| サブクラス<br>Sub-Class  | 67-4<br>-5  | 68-5 | 69-4<br>-5  | 70-5 | 71-5<br>-6  | 72-5 |
| 針巾(mm)<br>Needle Spacing  | 2   |      | 3   |      | 5   |      |
| 押工組<br>Presser Foot<br>Assembly   | <br>S25548-001                                   |      | <br>S19321-001                        |      | <br>S19326-001                                   |      |
| 針止メ組<br>Needle Clamp<br>Assembly  | <br>S29146-001                                   |      | <br>S20404-001                         |      | <br>S20406-001                                   |      |
| 針板<br>Needle Plate  | <br>S25198-001(-4)<br>S25199-001(-5)            |      | <br>S19497-001(-4)<br>S19182-001(-5) |      | <br>S19183-001(-5)<br>S19184-001(-6)            |      |
| 主送り歯組<br>Main<br>Feed Dog<br>Assembly<br>(主送り歯<br>Main Feed Dog)<br>(補助送り歯<br>Chain Feed Dog) | <br>S19224-001<br>(S19225-001)<br>(S19223-001) |      |   |      | <br>S19226-001<br>(S19227-001)<br>(S19223-001) |      |
| 差動送り歯<br>Differential<br>Feed Dog   | <br>S19246-001                                 |      |   |      |   |      |

| 用途<br>Application   | パイピングラフラー用<br>Ruffling w/Piping   |   |   |      | テープ用<br>Taping |      |
|---|---|---|---|------|----------------|------|
| サブクラス<br>Sub-Class  | 75-5  | 76-5  | 77-5<br>-6  | 78-5 | 81-4<br>-5     | 82-5 |
| 針巾(mm)<br>Needle Spacing  | 3   |   | 5   |      | 3              |      |
| 押工組<br>Presser Foot<br>Assembly   | <br>S25550-001                                   | <br>S25555-001                                   | <br>S19330-001                                   |      |                |      |
| 針止メ組<br>Needle Clamp<br>Assembly  | <br>S20404-001                                   | <br>S20406-001                                   | <br>S20404-001                                   |      |                |      |
| 針板<br>Needle Plate  | <br>S19182-001(-5)                              | <br>S19183-001(-5)<br>S19184-001(-6)            | <br>S20235-001(-4)<br>S20236-001(-5)            |      |                |      |
| 主送り歯組<br>Main<br>Feed Dog<br>Assembly<br>(主送り歯)<br>Main Feed Dog<br>(補助送り歯)<br>Chain Feed Dog | <br>S19224-001<br>(S19225-001)<br>(S19223-001) | <br>S19226-001<br>(S19227-001)<br>(S19223-001) | <br>S20241-001<br>(S20242-001)<br>(S20243-001) |      |                |      |
| 差動送り歯<br>Differential<br>Feed Dog   | <br>S19246-001                                 |   | <br>S20245-001                                 |      |                |      |

| 用途<br>Application   | テープ用<br>Taping   |                  | テニム用<br>Heavy  |      | ハインテイク用<br>Binding  |      |
|---|--|------------------|--|------|---|------|
| サブクラス<br>Sub-Class  | 83-4<br>-5<br>-6   | 84-4<br>-5<br>-6 | 85-3<br>-5   | 86-5 | 89-4<br>-5  | 90-5 |
| 針中 (mm)<br>Needle Spacing   | 5  |                  | 3  |      | 3   |      |
| 押工組<br>Presser Foot<br>Assembly   | <br>S20882-001  |                  | <br>S25557-001                                    |      | <br>S25560-001                                   |      |
| 針止メ組<br>Needle Clamp<br>Assembly  | <br>S20406-001  |                  | <br>S20404-001                                  |      |   |      |
| 針板<br>Needle Plate  | <br>S20231-001(-4)<br>S20232-001(-5)   S19181-001(-6)  |                  | <br>S25200-001(-3)<br>S25201-001(-5)            |      | <br>S25202-001(-4)<br>S25203-001(-5)            |      |
| 主送り歯組<br>Main<br>Feed Dog<br>Assembly<br>(主送り歯<br>Main Feed Dog)<br>(補助送り歯<br>Chain Feed Dog) | <br>(-4.5)<br>S20239-001<br>(S20240-001)<br>(S19223-001)   (-6)<br>S19221-001<br>(S19222-001)<br>(S19223-001) |                  | <br>S19228-001<br>(S19229-001)<br>(S19223-001) |      | <br>S19221-001<br>(S19222-001)<br>(S19223-001) |      |
| 差動送り歯<br>Differential<br>Feed Dog   | <br>(-4.5)<br>S20244-001   (-6)<br>S19245-001   |                  | <br>S25566-001                                  |      | <br>S19245-001                                 |      |



|   |   |            |  |  |
|---|---|------------|--|--|
| 用途<br>Application   | デニム用<br>Heavy   |            |  |  |
| サブクラス<br>Sub-Class  | 92-5<br>-6<br>-7  | 93-5<br>-6 |  |  |
| 針巾(mm)<br>Needle Spacing  | 5   |            |  |  |
| 押工組<br>Presser Foot<br>Assembly   | <br>S19334-001                                       |            |  |  |
| 針止×組<br>Needle Clamp<br>Assembly  | <br>S21104-001                                       |            |  |  |
| 針板<br>Needle Plate  | <br>S19185-001(-5)<br>S19186-001(-6) S19187-001(-7) |            |  |  |
| 主送り歯組<br>Main<br>Feed Dog<br>Assembly<br>(主送り歯)<br>Main Feed Dog<br>(補助送り歯)<br>Chain Feed Dog | <br>S19228-001<br>(S19229-001)<br>(S19223-001)     |            |  |  |
| 差動送り歯<br>Differential<br>Feed Dog   | <br>S19247-001                                     |            |  |  |