

# YAMATO

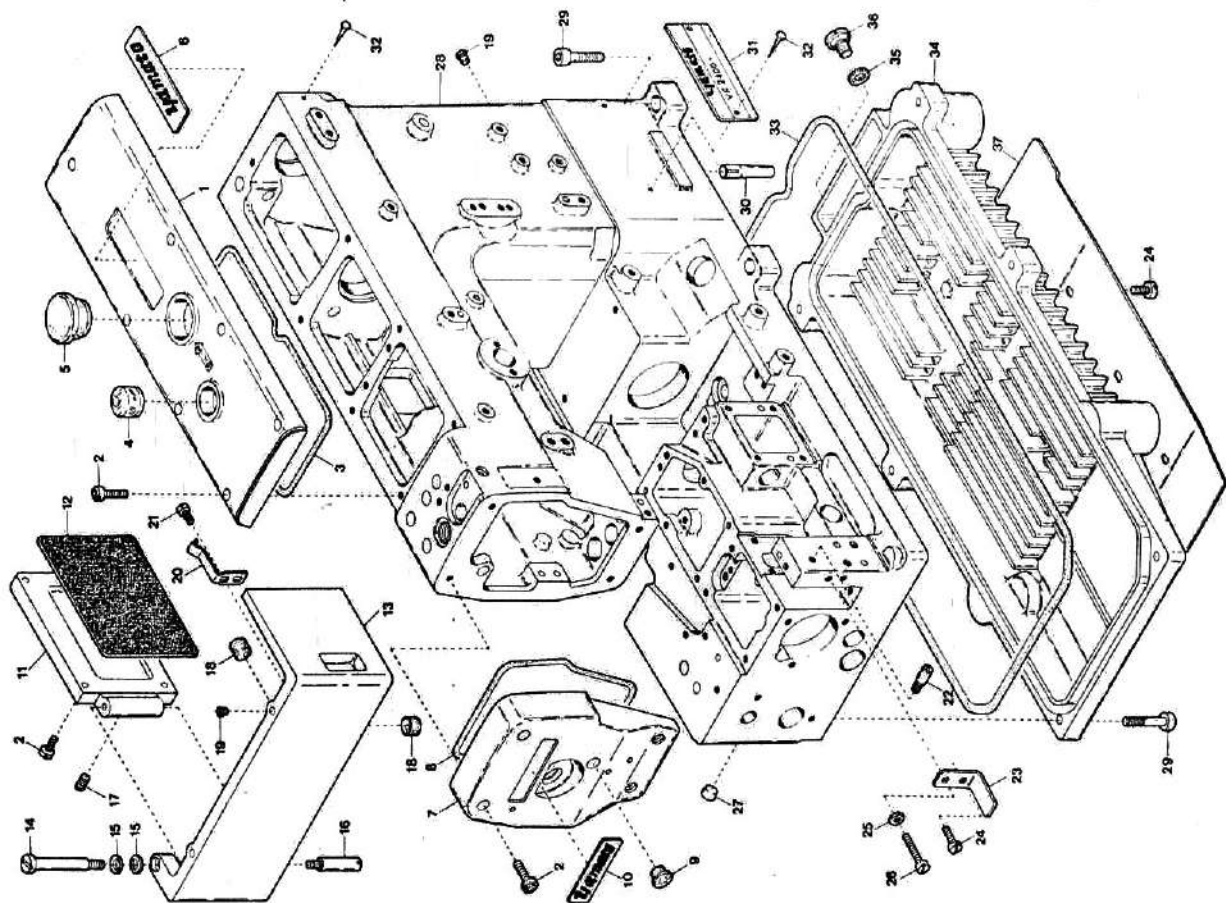
VF-2400\*2409\*2500\*2503-11\*2403\*2411\*2500-PA\*2509\*2403-11\*2503

UT-UT/ST UT-A-UT-A4/ST-A EC-EUS FC-KI-C

MISCELLANEOUS COVERS (1)

カバー関係(1)

| Ref. Parts | No.     | Description                  | 品名          | Amt. |
|------------|---------|------------------------------|-------------|------|
| 1          | 3100012 | Top Cover                    | 上カバー        | 1    |
| 2          | 110045  | Screw (M4-0.7×12)            | 止ネジ         | 15   |
| 3          | 3100013 | Top Cover Gasket             | 上カバーパッキン    | 1    |
| 4          | 0068011 | Oil Sight Window             | オイル確認窓      | 1    |
| 5          | 0020759 | Top Cover Seal Plug          | 上カバー詰栓      | 1    |
| 6          | 3900002 | Brand Name Plate             | 銘板          | 1    |
| 7          | 3100010 | Head Cover                   | ヘッドカバー      | 1    |
| 8          | 3100011 | Head Cover Gasket            | ヘッドカバーパッキン  | 1    |
| 9          | 0093864 | Head Cover Seal Plug         | 詰栓          | 1    |
| 10         | 3900001 | Brand Name Plate             | 銘板          | 1    |
| 11         | 3200010 | Bed Rear Cover               | ベッド後カバー     | 1    |
| 12         | 0095108 | Bed Rear Cover Gasket        | ベッド後カバーパッキン | 1    |
| 13         | 3200011 | Side Cover                   | 横開きカバー      | 1    |
| 14         | 170001  | Screw (M5-0.8×8)             | 止ネジ         | 1    |
| 15         | 300100  | Conical Spring Washer        | 皿バネワッシャ     | 2    |
| 16         | 180005  | Screw (M5-0.8×8)             | 止ネジ         | 1    |
| 17         | 160000  | Screw (M3-0.5×3)             | 止ネジ         | 1    |
| 18         | 0032604 | Rubber Cushion (Large)       | クッションゴム(大)  | 2    |
| 19         | 3200033 | Rubber Cushion (Small)       | クッションゴム(小)  | 3    |
| 20         | 3200012 | Cover Latch Spring           | カバーラッチバネ    | 1    |
| 21         | 110012  | Screw (M4-0.7×5)             | 止ネジ         | 2    |
| 22         | 180018  | Screw (M4-0.7×7)             | バネ掛けネジ      | 1    |
| 23         | 3200013 | Side Cover Holder            | 横開きカバー受け    | 1    |
| 24         | 110013  | Screw (M4-0.7×8)             | 止ネジ         | 4    |
| 25         | 000015  | Nut                          | ナット         | 1    |
| 26         | 110016  | Screw (M4-0.7×15)            | 止ネジ         | 1    |
| 27         | 330000  | Seal Plug                    | 詰栓          | 1    |
| 28         | 3200000 | Machine Frame Unit           | アームベド(組)    | 1    |
| 29         | 009970  | Screw (M6-1×20)              | 止ネジ         | 6    |
| 30         | 340016  | Machine Frame Supporting Bar | ベッド支工棒      | 4    |
| 31         | ---     | Model Plate (See Page 45)    | 型式板 (45頁参照) | 1    |
| 32         | 000726  | Rivet                        | 止メ鉄         | 3    |
| 33         | 3200007 | Oil Reservoir Gasket         | 油受けパッキン     | 1    |
| 34         | 3200006 | Oil Reservoir                | 油受け         | 1    |
| 35         | 0020137 | Drain Hole Seal              | 油抜きネジパッキン   | 1    |
| 36         | 005075  | Screw (3/8-24×8)             | 油抜きネジ       | 1    |
| 37         | 3200021 | Wind Guide Plate             | 風案内板        | 1    |

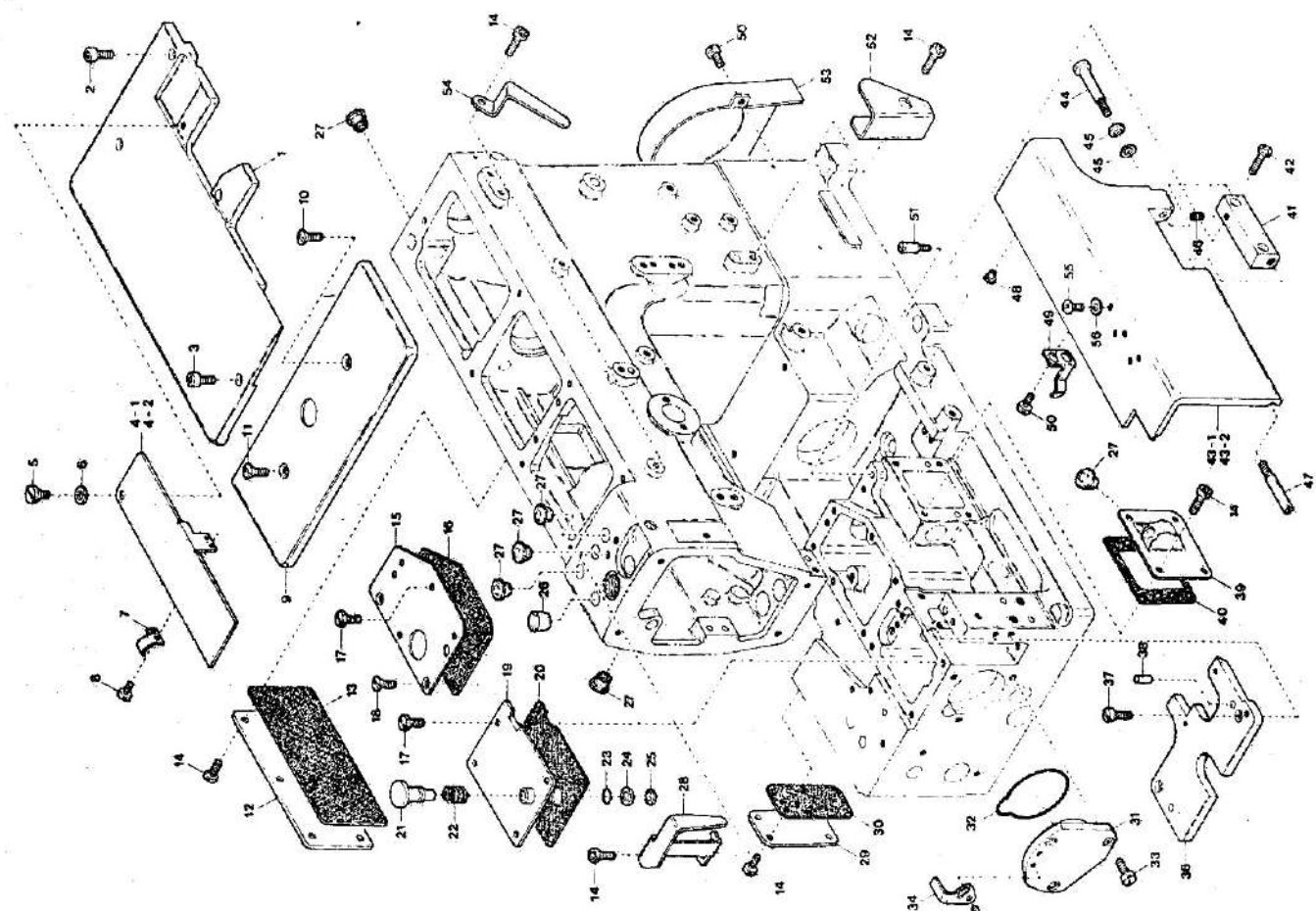


MISCELLANEOUS COVERS (2)

カバー関係(2)

| Ref. | No.     | Parts | Description                              | 品名             | Req. |
|------|---------|-------|------------------------------------------|----------------|------|
| 1    | 3200017 |       | Cloth Plate(Large)                       | 大カバー           | 1    |
| 2    | 009749  |       | Screw(M4-0.7×16)                         | 止ネジ            | 3    |
| 3    | 009747  |       | Screw(M4-0.7×10)                         | 止ネジ            | 1    |
| 4-1  | 3200018 |       | Looper Thread Take-up Cover(32,40,48,56) | カムカバー          | 1    |
| 4-2  | 3200035 |       | "                                        | "              | (64) |
| 5    | 006004  |       | Screw(11/64-40×9.7)                      | 止ネジ            | 1    |
| 6    | 000010  |       | Conical Spring Washer                    | 皿バネワッシャー       | 1    |
| 7    | 3200019 |       | Take-up Cover Spring                     | カムカバーバネ        | 1    |
| 8    | 110030  |       | Screw(M3-0.5×2.6)                        | 止ネジ            | 2    |
| 9    | 3200014 |       | Cloth Plate(Small)                       | 小カバー           | 1    |
| 10   | 130003  |       | Screw(M4-0.7×7.3)                        | 止ネジ            | 1    |
| 11   | 130004  |       | Screw(M4-0.7×14)                         | 止ネジ            | 1    |
| 12   | 3100016 |       | Rear Cover                               | 後カバー           | 1    |
| 13   | 3100017 |       | Rear Cover Gasket                        | 後カバーパッキン       | 1    |
| 14   | 110013  |       | Screw(M4-0.7×8)                          | 止ネジ            | 18   |
| 15   | 3200024 |       | Bed Top Cover                            | ベッド上カバー(右)     | 1    |
| 16   | 3200025 |       | Bed Top Cover Gasket                     | ベッド上カバー(右)パッキン | 1    |
| 17   | 007610  |       | Screw(M4-0.7×10)                         | 止ネジ            | 8    |
| 18   | 130006  |       | Screw(M4-0.7×10)                         | 止ネジ            | 2    |
| 19   | 3200022 |       | Bed Top Cover(Left)                      | ベッド上カバー(左)     | 1    |
| 20   | 3200023 |       | Bed Top Cover(Left) Gasket               | ベッド上カバー(左)パッキン | 1    |
| 21   | 3200029 |       | Feed Regulating Pushbutton               | フッシュボタン        | 1    |
| 22   | 0063152 |       | Feed Regulating Pushbutton Spring        | フッシュボタンバネ      | 1    |
| 23   | 0020472 |       | O-Ring                                   | オリング           | 1    |
| 24   | 000425  |       | Washer                                   | ワッシャー          | 1    |
| 25   | 0033024 |       | Retaining Ring                           | ストップリング        | 1    |
| 26   | 0065275 |       | Seal Plug                                | 結栓             | 1    |
| 27   | 0093864 |       | Seal Plug                                | 結栓             | 6    |
| 28   | 3100070 |       | Needle Bar Guard                         | 針棒ガード          | 1    |
| 29   | 3200028 |       | Bed Rear Cover(Small)                    | ベッド後カバー(小)     | 1    |
| 30   | 3200029 |       | Bed Rear Cover(Small) Gasket             | ベッド後カバー(小)パッキン | 1    |
| 31   | 3200030 |       | Hall Bearing Housing                     | ハウジング          | 1    |
| 32   | 3200031 |       | O-Ring                                   | オリング           | 1    |
| 33   | 110035  |       | Screw(M4-0.7×10)                         | 止ネジ            | 3    |
| 34   | 3200210 |       | Pushbutton Stop                          | フッシュボタンストップ    | 1    |
| 35   | 110008  |       | Screw(M4-0.7×5)                          | 止ネジ            | 2    |
| 36   | 3200032 |       | Stitch Plate Support                     | 針板取付板          | 1    |
| 37   | 110041  |       | Screw(M4-0.7×8)                          | 止ネジ            | 2    |
| 38   | 000745  |       | Knock Pin                                | ノックピン          | 2    |
| 39   | 3200026 |       | Bed Front Cover                          | ベッド前カバー        | 1    |
| 40   | 3200027 |       | Bed Front Cover Gasket                   | ベッド前カバーパッキン    | 1    |

※ Ref. No. 41 to 56 ..... See the following page.

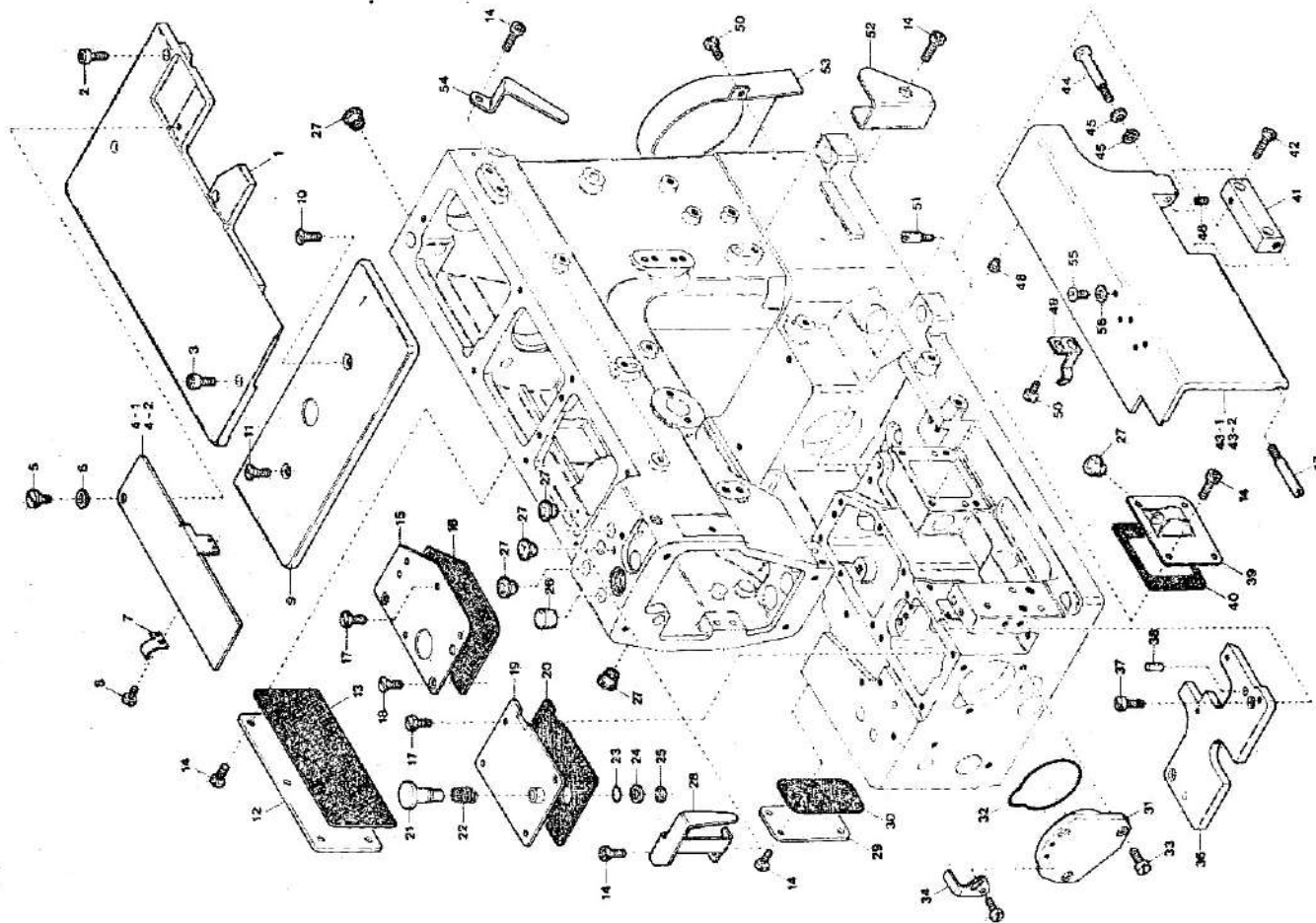


MISCELLANEOUS COVERS (2)

カバー関係(2)

| Ref. Parts | No.     | Description                 | 品名         | Ant. Req. |
|------------|---------|-----------------------------|------------|-----------|
| 41         | 3100030 | Front Cover Hinge           | 前開キカバ-ヒンジ  | 1         |
| 42         | 110016  | Screw (M4-0.7×15)           | 止ネジ        | 2         |
| 43-1       | 3200015 | Front Cover (32,40,48,56)   | 前開キカバ-     | 1         |
| 43-2       | 3200034 | " (64)                      | "          | 1         |
| 44         | 170020  | Screw (M4-0.7×8)            | 止ネジ        | 1         |
| 45         | 300100  | Conical Spring Washer       | 皿バネワッシャ    | 2         |
| 46         | 160001  | Screw (M4-0.7×4)            | 止ネジ        | 1         |
| 47         | 180017  | Screw (M4-0.7×6)            | 止ネジ        | 1         |
| 48         | 3200033 | Rubber Cushion (Small)      | クッションゴム(小) | 2         |
| 49         | 3200016 | Front Cover Spring          | 前開キカバ-バネ   | 1         |
| 50         | 110012  | Screw (M4-0.7×5)            | 止ネジ        | 4         |
| 51         | 180018  | Screw (M4-0.7×7)            | バネ掛ケネジ     | 1         |
| 52         | 3100071 | Eyelet Cover                | 糸道カバ-      | 1         |
| 53         | 3200020 | Oil Cooling Fan Cover       | 冷却ファンカバ-   | 1         |
| 54         | 0055316 | Needle Thread Take-up Guard | 針糸繰リガード    | 1         |
| 55         | 110103  | Screw (M5-0.8×8)            | 止ネジ        | 2         |
| 56         | 000426  | Washer                      | ワッシャ       | 2         |

※ Ref. No. 1 to 40 ..... See the preceding page.

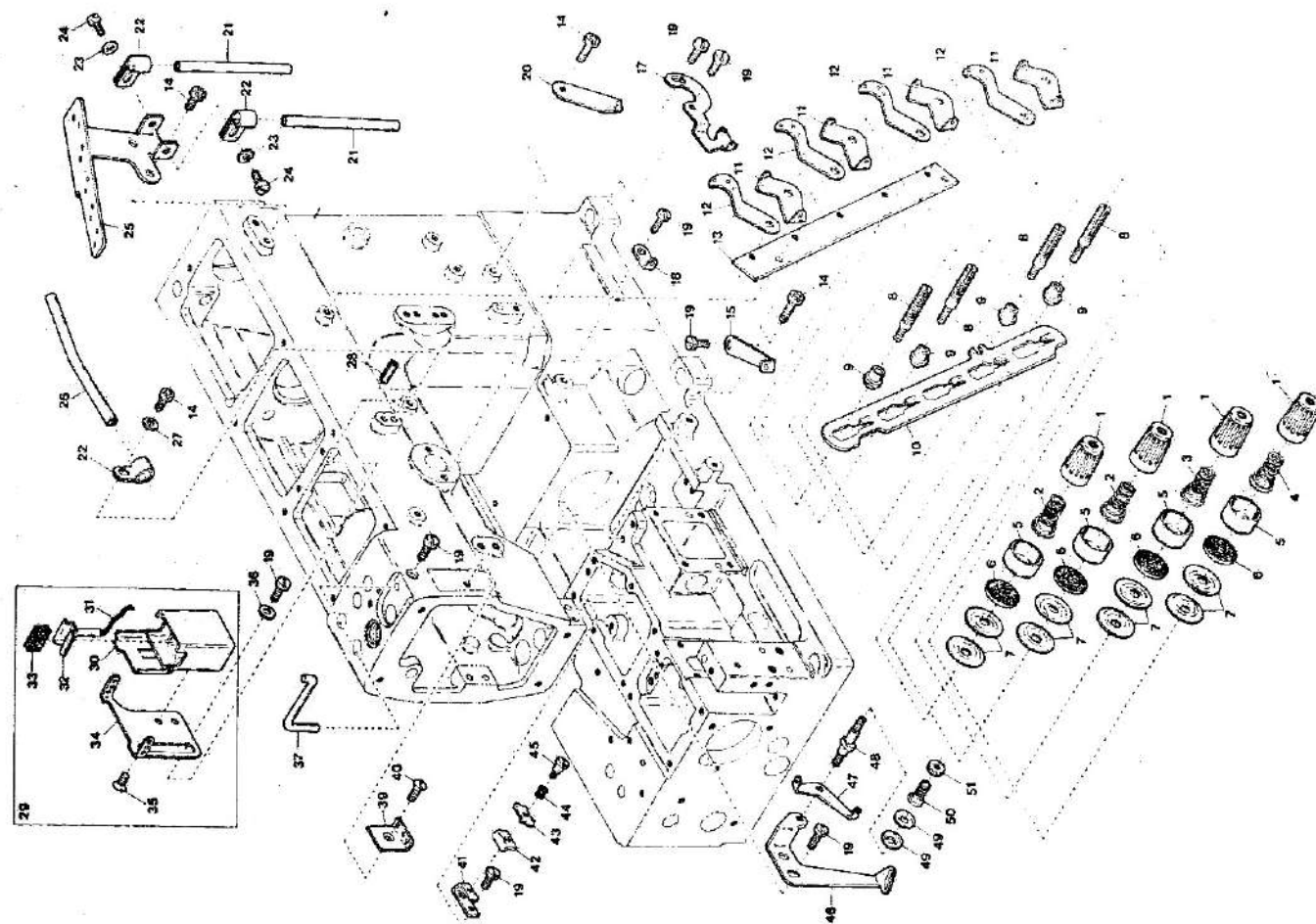


MISCELLANEOUS THREAD EYELETS

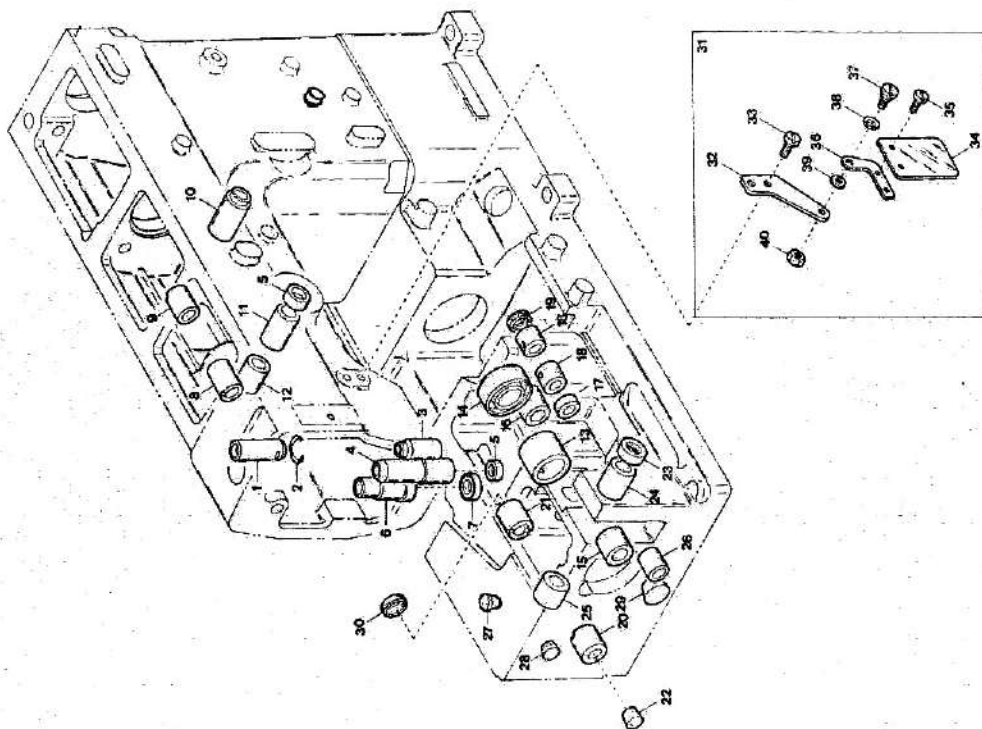
糸道関係

3

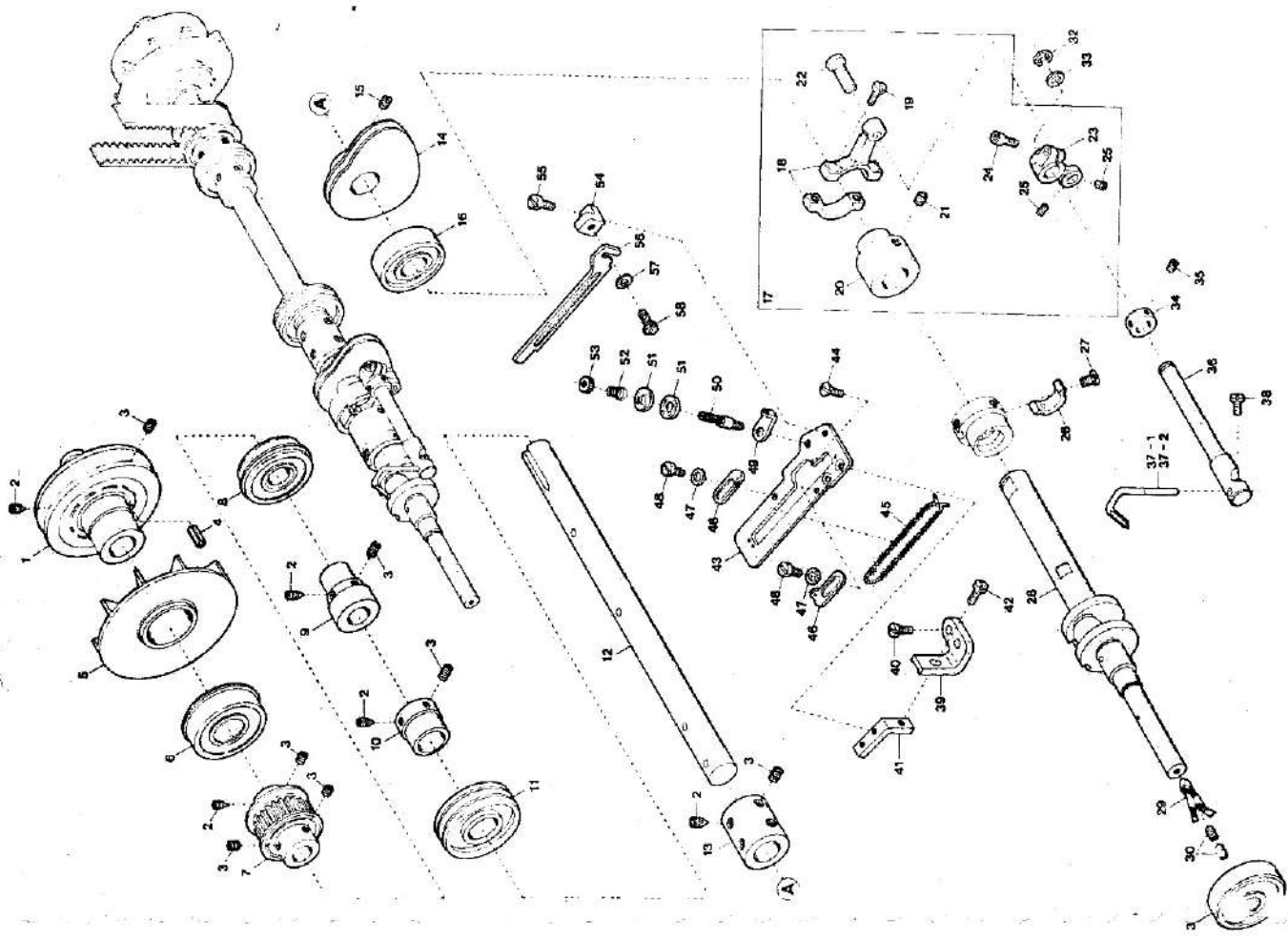
| Ref. | Parts   | Description                     | 品名           | Ant. | Req. |
|------|---------|---------------------------------|--------------|------|------|
| 1    | 0093863 | Thread Tension Spring Cap       | 糸調子バネキャップ(上) | 4    | 4    |
| 2    | 0090814 | Needle Thread Tension Spring    | 針糸調子バネ       | 2    | 2    |
| 3    | 3100086 | Top Cover Thread Tension Spring | 飾り糸調子バネ      | 1    | 1    |
| 4    | 0090847 | Looper Thread Tension Spring    | ルーバ糸調子バネ     | 1    | 1    |
| 5    | 0090071 | Thread Tension Spring Retainer  | 糸調子バネキャップ(下) | 4    | 4    |
| 6    | 000177  | Felt                            | フェルト         | 4    | 4    |
| 7    | 0031111 | Tension Disc                    | 糸調子皿         | 8    | 8    |
| 8    | 009835  | Tension Post                    | 糸調子棒         | 4    | 4    |
| 9    | 0090812 | Tension Post Ferrule            | 糸調子棒糸留レ      | 4    | 4    |
| 10   | 3100075 | Tension Disc Separator          | 糸留メ板         | 1    | 1    |
| 11   | 0090856 | Tension Disc Eyelet             | 糸調子皿糸道       | 4    | 4    |
| 12   | 0090807 | Thread Lead-in Guide            | 糸調子台糸道       | 4    | 4    |
| 13   | 3100074 | Tension Post Support            | 糸調子台         | 1    | 1    |
| 14   | 110013  | Screw (M4-0.7X8)                | 止ネジ          | 7    | 7    |
| 15   | 2100065 | Looper Thread Eyelet            | ルーバ糸道        | 1    | 1    |
| 17   | 3100080 | Top Cover Thread Take-up Eyelet | 飾り糸繰り糸道      | 1    | 1    |
| 18   | 3200042 | Looper Thread Eyelet            | ルーバ糸道        | 1    | 1    |
| 19   | 110009  | Screw (M4-0.7X8)                | 止ネジ          | 8    | 8    |
| 20   | 0093556 | Looper Thread Eyelet (Long)     | ルーバ糸道(長)     | 1    | 1    |
| 21   | 0020119 | Thread Eyelet Pipe (Short)      | 糸道パイプ(短)     | 2    | 2    |
| 22   | 0093528 | Thread Eyelet Pipe Stay         | 糸道パイプ支エ      | 3    | 3    |
| 23   | 000532  | Washer                          | ワッシャ         | 2    | 2    |
| 24   | 004353  | Screw (9/64-40X7)               | 止ネジ          | 2    | 2    |
| 25   | 0063104 | Thread Guide Plate              | 糸案内板         | 1    | 1    |
| 26   | 0021735 | Thread Eyelet Pipe (Long)       | 糸道パイプ(長)     | 1    | 1    |
| 27   | 000541  | Washer                          | ワッシャ         | 1    | 1    |
| 28   | 000651  | Guide Pin                       | ガイドピン        | 1    | 1    |
| 29   | 3100382 | SP Device, Complete Set         | SP装置(組)      | 1    | 1    |
| 30   | 3100381 | SP Container                    | SPタンク        | 1    | 1    |
| 31   | 310039  | Oil Wick                        | 油芯           | 1    | 1    |
| 32   | 0093517 | SP Felt Stay                    | SPフェルト支エ     | 1    | 1    |
| 33   | 0093526 | Felt                            | SPフェルト       | 1    | 1    |
| 34   | 0093521 | Needle Thread Eyelet            | 針糸道          | 1    | 1    |
| 35   | 005431  | Screw (1/8-44X3)                | 止ネジ          | 2    | 2    |
| 36   | 000538  | Washer                          | ワッシャ         | 2    | 2    |
| 37   | 0090068 | Needle Thread Guide             | 針糸受け         | 1    | 1    |
| 39   | 3100072 | Needle Thread Eyelet            | 針糸道          | 1    | 1    |
| 40   | 130003  | Screw (M4-0.7X4.5)              | 止ネジ          | 1    | 1    |
| 41   | 3100087 | Needle Thread Retainer Support  | 小調子台         | 1    | 1    |
| 42   | 0036175 | Thread Retainer Disc Support    | 小調子板         | 1    | 1    |
| 43   | 0032425 | Needle Thread Retainer Disc     | 小調子皿         | 1    | 1    |
| 44   | 0032426 | Needle Thread Retainer Spring   | 小調子バネ        | 1    | 1    |
| 45   | 001093  | Screw (1/8-44X2.2)              | 止ネジ          | 1    | 1    |
| 46   | 3200045 | Top Cover Thread Guide          | 飾り糸案内        | 1    | 1    |
| 47   | 0063074 | Supplementary Thread Guide      | 小調子台糸道       | 1    | 1    |
| 48   | 001818  | Tension Post                    | 糸調子棒         | 1    | 1    |
| 49   | 0037108 | Supplementary Tension Disc      | 小調子皿         | 1    | 1    |
| 50   | 0035813 | Supplementary Tension Spring    | 飾り糸調子バネ      | 1    | 1    |
| 51   | 000360  | Mut                             | ナット          | 1    | 1    |



| Ref. No. | Parts No. | Description                            | 品名             | Ant. Rec. |
|----------|-----------|----------------------------------------|----------------|-----------|
| 1        | 3200058   | Needle Bar Bushing (Upper)             | 針棒ブッシュ(上)      | 1         |
| 2        | 310009    | Oil Wick                               | 油芯             | 1         |
| 3        | 3200060   | Needle Bar Bushing (Lower)             | 針棒ブッシュ(下)      | 1         |
| 4        | 3200059   | Presser Bar Bushing                    | 押工棒ブッシュ        | 1         |
| 5        | 0030291   | Oil Seal                               | オイルシール         | 2         |
| 6        | 3100100   | Spreader Driving Bar Bushing           | 飾り糸ルーバ棒ブッシュ    | 1         |
| 7        | 0063055   | Oil Seal                               | オイルシール         | 1         |
| 8        | 3200063   | Spreader Driving Shaft Bushing (Left)  | 飾り糸ルーバ軸ブッシュ(左) | 1         |
| 9        | 3200064   | Spreader Driving Shaft Bushing (Right) | 飾り糸ルーバ軸ブッシュ(右) | 1         |
| 10       | 3100108   | Foot Lifter Lever Bushing              | 押工棒グ軸ブッシュ      | 1         |
| 11       | 0093201   | Needle Thread Take-up Bushing (Front)  | 針糸繰り軸ブッシュ(前)   | 1         |
| 12       | 3100098   | Needle Thread Take-up Bushing (Rear)   | 針糸繰り軸ブッシュ(後)   | 1         |
| 13       | 3200050   | Lower Shaft Bushing (Left)             | 下軸ブッシュ         | 1         |
| 14       | 0093094   | Oil Seal                               | オイルシール         | 1         |
| 15       | 3200062   | Looper Rocker Shaft Bushing (Left)     | ルーバ前後軸ブッシュ(左)  | 1         |
| 16       | 3200052   | Looper Rocker Shaft Bushing (Right)    | ルーバ前後軸ブッシュ(右)  | 1         |
| 17       | 0077300   | Oil Seal                               | オイルシール         | 1         |
| 18       | 3200056   | Needle Guard Driving Shaft             | 針受け軸ブッシュ       | 2         |
| 19       | 3200057   | Seal Plug                              | 詰栓             | 1         |
| 20       | 3200053   | Feed Bar Driving Shaft Bushing (Left)  | 送り軸ブッシュ(左)     | 1         |
| 21       | 3200065   | Feed Bar Driving Shaft Bushing (Right) | 送り軸ブッシュ(右)     | 1         |
| 22       | 2100034   | Seal Plug                              | 詰栓             | 1         |
| 23       | 0093303   | Oil Seal                               | オイルシール         | 1         |
| 24       | 3200061   | Looper Driving Shaft Bushing (Front)   | ルーバ軸ブッシュ(前)    | 1         |
| 25       | 3200051   | Looper Driving Shaft Bushing (Rear)    | ルーバ軸ブッシュ(後)    | 1         |
| 26       | 3200055   | Differential Lever Shaft Bushing       | 差動レバー軸ブッシュ     | 1         |
| 27       | 0093864   | Seal Plug                              | 詰栓             | 1         |
| 28       | 0065275   | Seal Plug                              | 詰栓             | 1         |
| 29       | 0095218   | Seal Plug                              | 詰栓             | 1         |
| 30       | 3200066   | Seal Plug                              | 詰栓             | 1         |
| 31       | 3200251   | Eye Guard, Complete Set                | アイガード(組)       | 1         |
| 32       | 3101200   | Safety Plate Support                   | セーフティプレート取付板   | 1         |
| 33       | 009784    | Screw (M6-1×10)                        | 止ネジ            | 1         |
| 34       | 3200252   | Safety Plate                           | セーフティプレート      | 1         |
| 35       | 001230    | Screw (3/32-56×3.8)                    | 止ネジ            | 2         |
| 36       | 0060175   | Safety Plate Holder                    | セーフティプレートホルダ   | 1         |
| 37       | 0060004   | Screw (11/64-40×7.8)                   | 止ネジ            | 1         |
| 38       | 000010    | Conical Spring Washer                  | 皿パネワッシャ        | 1         |
| 39       | 000547    | Washer                                 | ワッシャ           | 1         |
| 40       | 000334    | Nut                                    | ナット            | 1         |



MAIN SHAFT DRIVING MECHANISM



| Ref. Parts | No.     | Description                              | 品名           | Req. |
|------------|---------|------------------------------------------|--------------|------|
| 1          | 3200070 | Pulley                                   | プーリ          | 1    |
| 2          | 160005  | Screw (M5-1×8)                           | 止ネジ          | 5    |
| 3          | 160007  | Screw (M6-1×6)                           | 止ネジ          | 9    |
| 4          | 000037  | Roll Pin                                 | ローレルピン       | 1    |
| 5          | 3200071 | Oil Cooling Fan                          | 冷却ファン        | 1    |
| 6          | 0093089 | Ball Bearing (Right)                     | ボールベアリング(右)  | 1    |
| 7          | 3100128 | Main Shaft Sprocket (Lower)              | ベルトプーリ(下)    | 1    |
| 8          | 0093090 | Ball Bearing (Middle)                    | ボールベアリング(中)  | 1    |
| 9          | 3200072 | Oil Pump Driving Worm                    | ウォーム         | 1    |
| 10         | 3100129 | Adapter                                  | アダプタ         | 1    |
| 11         | 3200078 | Ball Bearing (Left)                      | ボールベアリング(左)  | 1    |
| 12         | 3200073 | Lower Shaft (Right)                      | 下軸(右)        | 1    |
| 13         | 3200074 | Lower Shaft Joint                        | 継手           | 1    |
| 14         | 3200076 | Looper Thread Take-up                    | 下糸調子カム       | 1    |
| 15         | 008047  | Screw (7/32-32×3.6)                      | 止ネジ          | 2    |
| 16         | 0093091 | Ball Bearing                             | ボールベアリング     | 1    |
| 17         | 3200080 | Needle Guard Connecting Rod, C, Set      | 針受けケロッド(組)   | 1    |
| 18         | 3200082 | Needle Guard Connecting Rod              | 針受けケロッド      | 1    |
| 19         | 110005  | Screw (M3.5-0.6×12)                      | 止ネジ          | 2    |
| 20         | 3200081 | Needle Guard Eccentric                   | 針受けエキセン      | 1    |
| 21         | 160003  | Screw (M5-0.8×5)                         | 止ネジ          | 2    |
| 22         | 0026418 | Connecting Rod Pin                       | ロッドピン        | 1    |
| 23         | 3200084 | Needle Guard Driving Shaft Arm           | 針受け軸腕        | 1    |
| 24         | 005650  | Screw (M5-0.8×14)                        | 止ネジ          | 1    |
| 25         | 160000  | Screw (M3-0.5×3)                         | 止ネジ          | 2    |
| 26         | 3200077 | Counterweight                            | バランスウェイト     | 1    |
| 27         | 110036  | Screw (M3-0.5×6.5)                       | 止ネジ          | 2    |
| 28         | 3200075 | Lower Crankshaft                         | 下軸クランク       | 1    |
| 29         | 310034  | Oil Wick                                 | 油芯           | 3    |
| 30         | 160017  | Screw (M4-0.7×4) (with sealant)          | 詰ネジ(シール剤付)   | 2    |
| 31         | 0020159 | Ball Bearing                             | ボールベアリング     | 1    |
| 32         | 0068202 | Retaining Ring                           | ストップリング      | 1    |
| 33         | 3200085 | Spacer                                   | スペーサ         | 1    |
| 34         | 0094562 | Collar                                   | カラ           | 1    |
| 35         | 001892  | Screw (1/8-44×2.9)                       | 止ネジ          | 2    |
| 36         | 3200083 | Needle Guard Driving Shaft               | 針受け軸         | 1    |
| 37-1       | 0093659 | Needle Guard (Rear) (32, 40, 48, 56, 64) | 針受け(後)       | 1    |
| 37-2       | 0093669 | " (Extra)                                | " (特注品)      | 1    |
| 38         | 110003  | Screw (M3.5-0.6×6)                       | 止ネジ          | 1    |
| 39         | 3200093 | Supporting Plate Stay (Lower)            | カム糸道取付板支エ(下) | 1    |
| 40         | 110035  | Screw (M4-0.7×10)                        | 止ネジ          | 2    |

※ Ref. No. 41 to 58 ..... See the following Page.

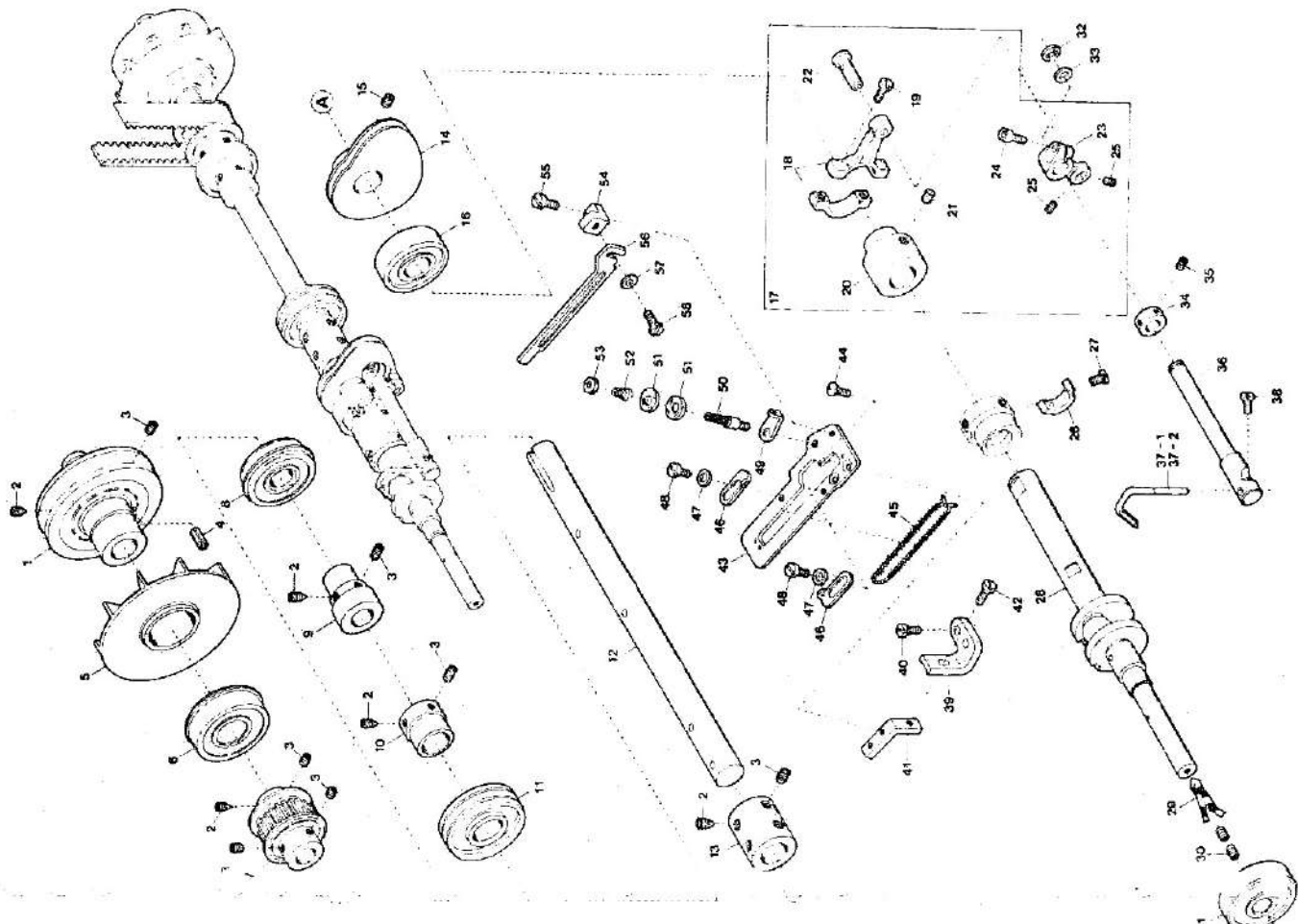
# MAIN SHAFT DRIVING MECHANISM

## 下軸機構

5

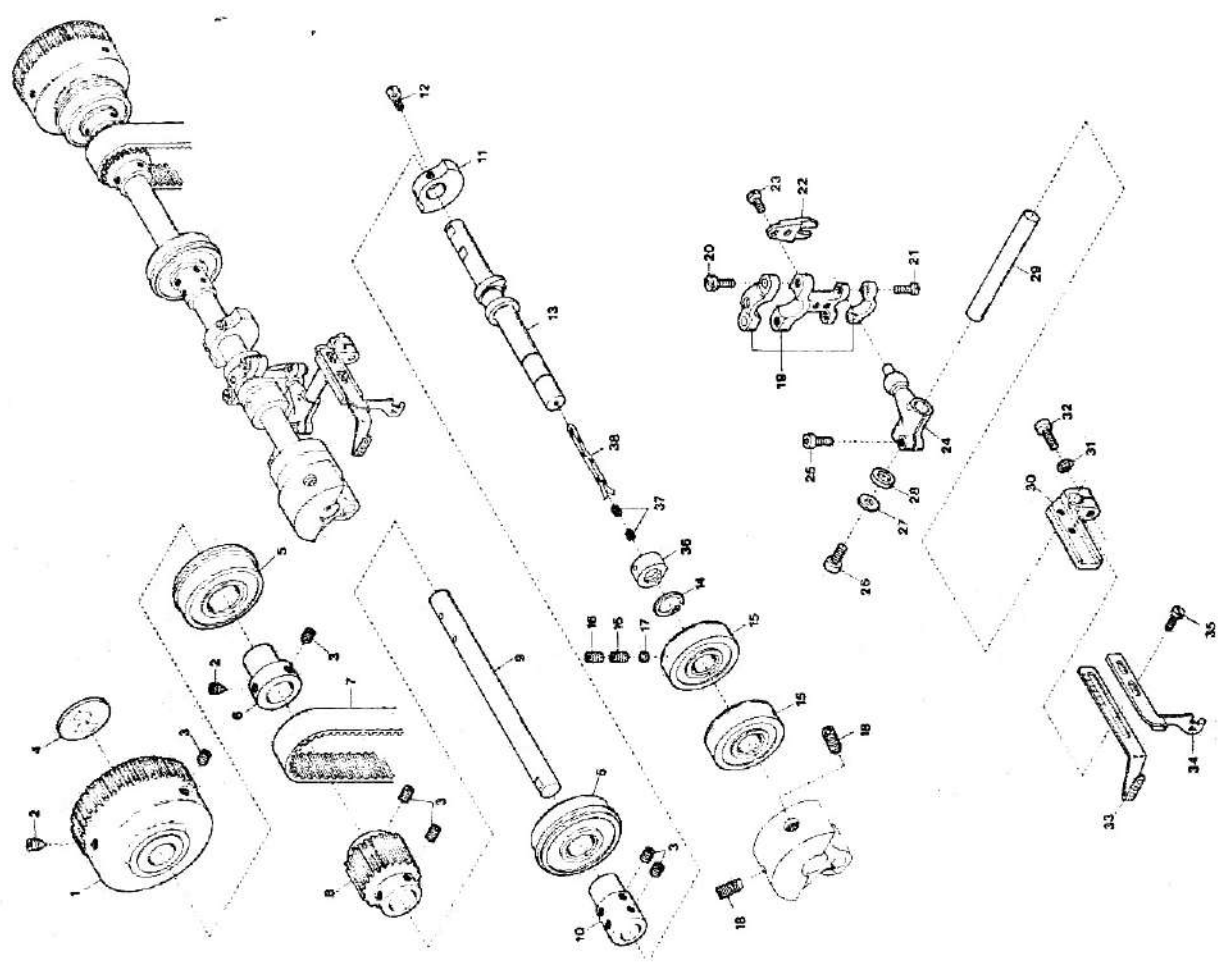
| Ref. No. | Parts No. | Description                   | 品名           | Req. |
|----------|-----------|-------------------------------|--------------|------|
| 41       | 3200092   | Supporting Plate Stay (Upper) | カム糸道取付板支エ(上) | 1    |
| 42       | 110009    | Screw(M4-0.7X8)               | 止ネジ          | 1    |
| 43       | 3200091   | Supporting Plate              | カム糸道取付板      | 1    |
| 44       | 130002    | Screw(M3-0.5X6)               | 止ネジ          | 2    |
| 45       | 000463    | Laced Wire                    | モール(糸巻キ付防止)  | 1    |
| 46       | 0093515   | Thread Take-up Eyelet         | カム糸道         | 2    |
| 47       | 000014    | Washer                        | ワッシャ         | 2    |
| 48       | 001227    | Screw(1/8-44X3.8)             | 止ネジ          | 2    |
| 49       | 3200042   | Looper Thread Eyelet          | ルーバ糸道        | 1    |
| 50       | 001818    | Tension Post                  | 糸調子棒         | 1    |
| 51       | 0037108   | Supplementary Tension Disc    | 小調子皿         | 2    |
| 52       | 0035813   | Supplementary Tension Spring  | 小調子バネ        | 1    |
| 53       | 000360    | Adjusting Nut                 | 調節ナット        | 1    |
| 54       | 0063197   | Cast-off Plate Bracket        | 糸案内台         | 1    |
| 55       | 001223    | Screw(9/64-40X7.5)            | 止ネジ          | 1    |
| 56       | 3200094   | Cast-off Plate                | 糸案内          | 1    |
| 57       | 000532    | Washer                        | ワッシャ         | 1    |
| 58       | 004106    | Screw(9/64-40X6.5)            | 止ネジ          | 1    |

※ Ref. No. 1 to 40 ..... See the preceding page.



UPPER SHAFT & NEEDLE THREAD TAKE-UP MECHANISM

| Ref. | No.     | Parts                           | Description                     | 品名           | Ant. |
|------|---------|---------------------------------|---------------------------------|--------------|------|
| 1    | 3200102 | Handwheel                       | Handwheel                       | ハンドホイール      | 1    |
| 2    | 160005  | Screw (M6-1×8)                  | Screw (M6-1×8)                  | 止ネジ          | 2    |
| 3    | 160007  | Screw (M6-1×6)                  | Screw (M6-1×6)                  | 止ネジ          | 10   |
| 4    | 000989  | Handwheel Mark                  | Handwheel Mark                  | ハンドホイールマーク   | 1    |
| 5    | 0033090 | Ball Bearing                    | Ball Bearing                    | ボールベアリング     | 2    |
| 6    | 3100129 | Handwheel Adapter               | Handwheel Adapter               | アダプタ         | 1    |
| 7    | 0035214 | Timing Belt                     | Timing Belt                     | タイミングベルト     | 1    |
| 8    | 3100281 | Upper Shaft Sprocket (Upper)    | Upper Shaft Sprocket (Upper)    | ペルトプーリ (上)   | 1    |
| 9    | 3100282 | Upper Shaft (Right)             | Upper Shaft (Right)             | 上軸 (右)       | 1    |
| 10   | 3100283 | Upper Shaft Joint               | Upper Shaft Joint               | 上軸継手         | 1    |
| 11   | 3100127 | Counterweight (Small)           | Counterweight (Small)           | バランスウェイト (小) | 1    |
| 12   | 110009  | Screw (M4-0.7×8)                | Screw (M4-0.7×8)                | 止ネジ          | 2    |
| 13   | 3200100 | Upper Crankshaft                | Upper Crankshaft                | 上軸クランク       | 1    |
| 14   | 0060057 | Retaining Ring                  | Retaining Ring                  | 止メ輪          | 1    |
| 15   | 0093154 | Ball Bearing                    | Ball Bearing                    | ボールベアリング     | 2    |
| 16   | 160004  | Screw (M6-1×4.8)                | Screw (M6-1×4.8)                | 止ネジ          | 2    |
| 17   | 000926  | Rubber Seat                     | Rubber Seat                     | ゴム座          | 1    |
| 18   | 260000  | Screw (5/16-24×15.88)           | Screw (5/16-24×15.88)           | 止ネジ          | 2    |
| 19   | 0095170 | Connecting Rod                  | Connecting Rod                  | 針糸繰りロッド      | 1    |
| 20   | 005071  | Screw (11/64-32×14)             | Screw (11/64-32×14)             | 止ネジ          | 2    |
| 21   | 001174  | Screw (9/64-40×10.3)            | Screw (9/64-40×10.3)            | 止ネジ          | 2    |
| 22   | 0095168 | Guide Fork                      | Guide Fork                      | 振れ止メ         | 1    |
| 23   | 004312  | Screw (1/8-44×7.9)              | Screw (1/8-44×7.9)              | 止ネジ          | 2    |
| 24   | 3100285 | Driving Lever                   | Driving Lever                   | 針糸繰り軸腕       | 1    |
| 25   | 120013  | Screw (M6-1×15)                 | Screw (M6-1×15)                 | 止ネジ          | 1    |
| 26   | 120015  | Screw (M5-0.8×10)               | Screw (M5-0.8×10)               | 止ネジ          | 1    |
| 27   | 000555  | Washer                          | Washer                          | ワッシャ         | 1    |
| 28   | 3100286 | Spacer                          | Spacer                          | スペーサ         | 1    |
| 29   | 3100287 | Driving Shaft                   | Driving Shaft                   | 針糸繰り軸        | 1    |
| 30   | 3100078 | Bracket                         | Bracket                         | 針糸繰り台        | 1    |
| 31   | 000600  | Spring Washer                   | Spring Washer                   | スプリングワッシャ    | 1    |
| 32   | 005650  | Screw (M5-0.8×14)               | Screw (M5-0.8×14)               | 止ネジ          | 1    |
| 33   | 0063096 | Needle Thread Take-up           | Needle Thread Take-up           | 針糸繰り糸道       | 1    |
| 34   | 3200043 | Top Cover Thread Take-up        | Top Cover Thread Take-up        | 飾り糸繰り        | 1    |
| 35   | 110004  | Screw (M3.5-0.6×8)              | Screw (M3.5-0.6×8)              | 止ネジ          | 2    |
| 36   | 3200226 | Oil Sleeve                      | Oil Sleeve                      | オイルスリーブ      | 1    |
| 37   | 160017  | Screw (M4-0.7×4) (with sealant) | Screw (M4-0.7×4) (with sealant) | 結ネジ (シール剤付)  | 2    |
| 38   | 310035  | Oil Wick                        | Oil Wick                        | 油芯           | 1    |





PRESSER FOOT MECHANISM

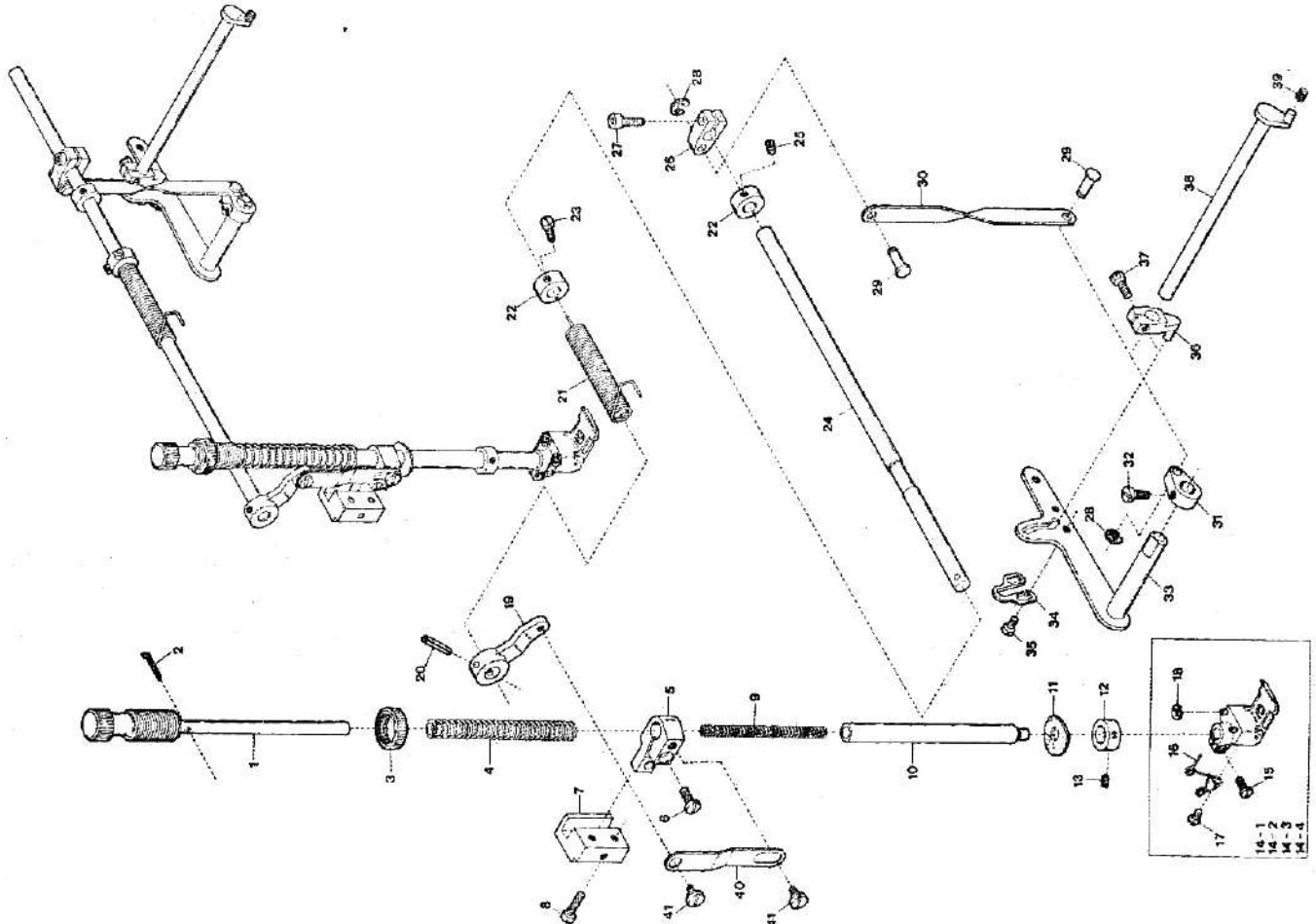
押工機構

| Ref. | No.     | Description                         | 品名       | Req. |
|------|---------|-------------------------------------|----------|------|
| 1    | 0093500 | Presser Spring Regulator            | 押工調節ネジ   | 1    |
| 2    | 0090620 | Cotter Pin                          | 割リピン     | 1    |
| 3    | 000445  | Lock Nut                            | ロックナット   | 1    |
| 4    | 3200132 | Presser Bar Spring (Outer)          | 押工棒バネ(外) | 1    |
| 5    | 3200131 | Presser Bar Connecting Bracket Unit | 押工棒抱キ(組) | 1    |
| 6    | 110031  | Screw (M4-0.7×12)                   | 止ネジ      | 1    |
| 7    | 0093483 | Presser Bar Guide                   | 押工棒案内    | 1    |
| 8    | 004441  | Screw (11/64-40×16)                 | 止ネジ      | 2    |
| 9    | 0093485 | Presser Bar Spring (Inner)          | 押工棒バネ(組) | 1    |
| 10   | 0093480 | Presser Bar                         | 押工棒      | 1    |

|      |         |                                 |          |   |
|------|---------|---------------------------------|----------|---|
| 11   | 0093611 | Oil Protector Ring              | 油切りリング   | 1 |
| 12   | 0063078 | Stop Collar                     | ストップカラー  | 1 |
| 13   | 001459  | Screw (9/64-40×3)               | 止ネジ      | 2 |
| 14-1 | 0095580 | Presser Foot, Complete Set (32) | 押工(組)    | 1 |
| 14-2 | 0095581 | "                               | " (40)   | 1 |
| 14-3 | 0095582 | "                               | " (48)   | 1 |
| 14-4 | 0095584 | "                               | " (64)   | 1 |
| 15   | 001186  | Screw (9/64-40×7.8)             | 止ネジ      | 1 |
| 16   | 0095641 | Presser Foot Spring             | 小押工バネ    | 1 |
| 17   | 005133  | Screw (1/8-44×4.5)              | 止ネジ      | 1 |
| 18   | 0095942 | Retaining Ring                  | ストップリング  | 2 |
| 19   | 0053083 | Lifter Link Lever               | 吊りリンクレバー | 1 |
| 20   | 000690  | Fastener Pin                    | 止メピン     | 1 |

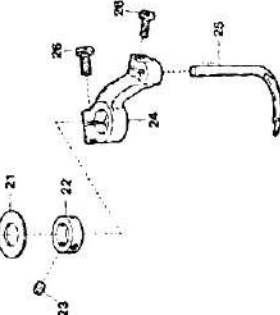
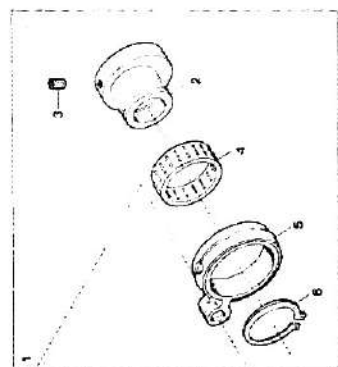
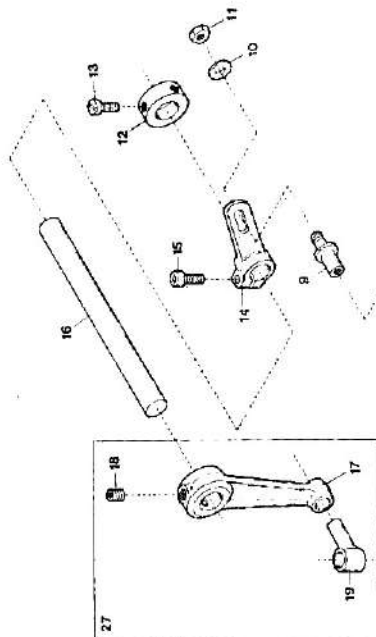
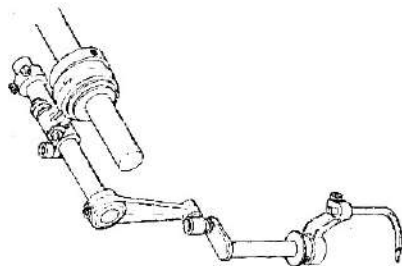
|    |         |                      |          |   |
|----|---------|----------------------|----------|---|
| 21 | 0053084 | Lifter Spring        | 押工揚ゲバネ   | 1 |
| 22 | 0083491 | Collar               | カラー      | 2 |
| 23 | 009604  | Screw (11/64-40×5.5) | 止ネジ      | 2 |
| 24 | 0093479 | Lifter Shaft         | 押工揚ゲ軸    | 1 |
| 25 | 003433  | Screw (11/64-40×4)   | 止ネジ      | 2 |
| 26 | 3100292 | Intermediate Lever   | 押工揚ゲ中レバー | 1 |
| 27 | 120001  | Screw (M4-0.7×14)    | 止ネジ      | 1 |
| 28 | 0077179 | Retaining Ring       | 止メ輪      | 2 |
| 29 | 0093509 | Connecting Pin       | 連結ピン     | 2 |
| 30 | 0093507 | Connecting Plate     | 連結板      | 1 |

|    |         |                       |             |   |
|----|---------|-----------------------|-------------|---|
| 31 | 0093508 | Lifter Lever (Small)  | 押工揚ゲレバー(小)  | 1 |
| 32 | 004591  | Screw (15/64-28×9.5)  | 止ネジ         | 1 |
| 33 | 0093486 | Lifter Lever          | 押工揚ゲレバー     | 1 |
| 34 | 0093499 | Lifter Lever Stop     | 押工揚ゲレバーストップ | 1 |
| 35 | 004358  | Screw (9/64-40×5.6)   | 止ネジ         | 2 |
| 36 | 0090801 | Tension Release Lever | 糸緩メ腕        | 1 |
| 37 | 005542  | Screw (11/64-40×14.5) | 止ネジ         | 1 |
| 38 | 0093545 | Tension Release Shaft | 糸緩メ軸        | 1 |
| 39 | 0090824 | Swing-proof Spring    | 防揺バネ        | 1 |
| 40 | 0093487 | Lifter Link           | 吊りリンク       | 1 |
| 41 | 006038  | Screw (3/16-32×2.2)   | 止ネジ         | 2 |

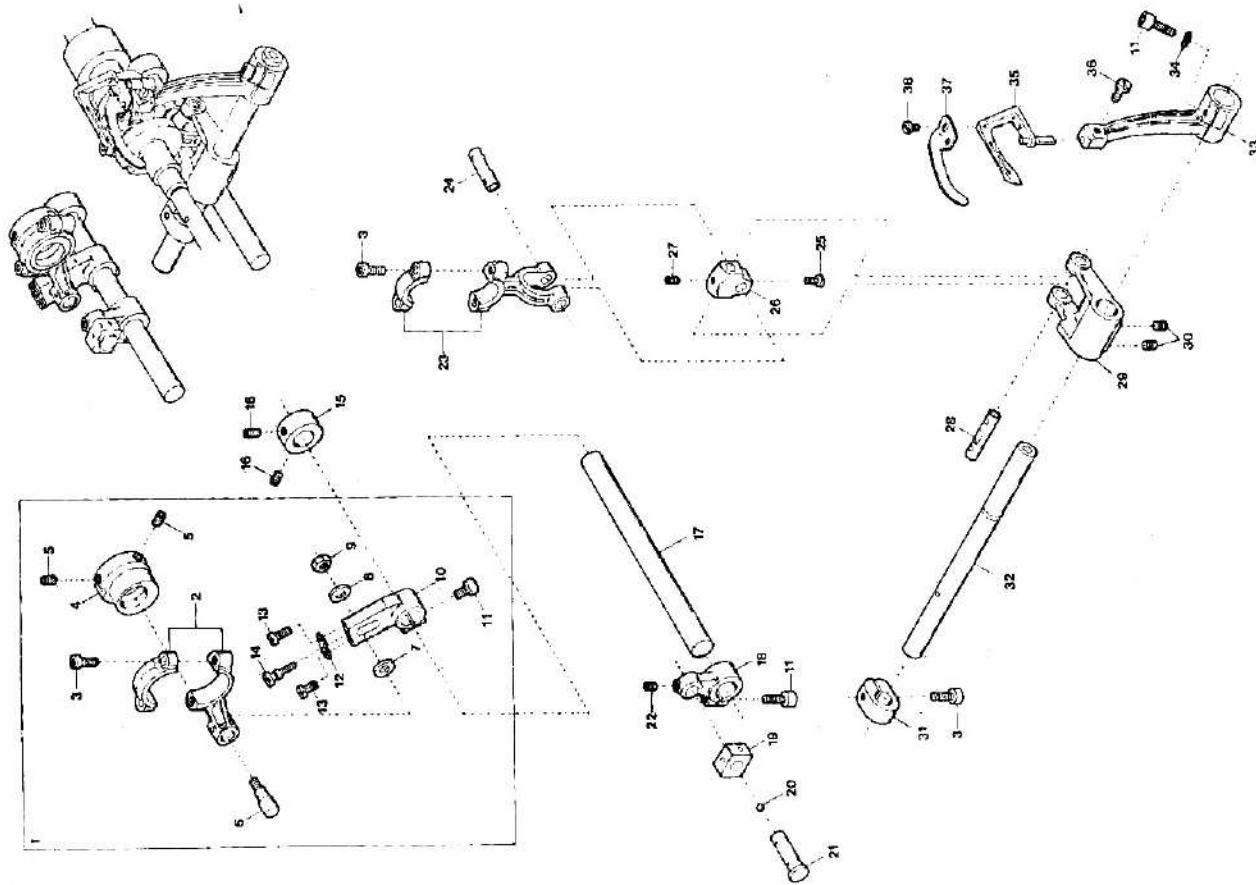


SPREADER MECHANISM

| Ref. | No.     | Description                  | 品名        | Req. |
|------|---------|------------------------------|-----------|------|
| 1    | 3100302 | Connecting Rod, Complete Set | ルーパロッド(組) | 1    |
| 2    | 3100300 | Eccentric                    | ルーパエキセン   | 1    |
| 3    | 180003  | Screw(M5-0.8×5)              | 止ネジ       | 2    |
| 4    | 0077322 | Roller Bearing               | ニードルベアリング | 1    |
| 5    | 3100301 | Connecting Rod               | ルーパロッド    | 1    |
| 6    | 0094566 | Retaining Ring               | 止メ輪       | 1    |
| 7    | 110009  | Screw(M4-0.7×8)              | 止ネジ       | 1    |
| 8    | 300006  | Washer                       | ワシヤ       | 1    |
| 9    | 3100309 | Adjusting Lever Pin          | 調節レバーピン   | 1    |
| 10   | 000528  | Washer                       | ワシヤ       | 1    |
| 11   | 100003  | Nut(M6-1.0)                  | ナット       | 1    |
| 12   | 0032646 | Collar                       | カラー       | 1    |
| 13   | 009604  | Screw(11/64-40×5.5)          | 止ネジ       | 2    |
| 14   | 3100303 | Adjusting Lever              | 調節レバー     | 1    |
| 15   | 120013  | Screw(M6-1×15)               | 止ネジ       | 1    |
| 16   | 3100304 | Driving Shaft                | ルーパ軸      | 1    |
| 17   | 3100305 | Rocking Arm                  | ルーパ振り腕    | 1    |
| 18   | 160007  | Screw(M6-1×6)                | 止ネジ       | 2    |
| 19   | 0063051 | Rocking Pin                  | ルーパ振りピン   | 1    |
| 20   | 0063053 | Spreader Bar                 | ルーパ棒      | 1    |
| 21   | 0063056 | Bushing Ring                 | ブッシュユリング  | 1    |
| 22   | 0063057 | Collar                       | カラー       | 1    |
| 23   | 009526  | Screw(9/64-40×4.4)           | 止ネジ       | 2    |
| 24   | 3100307 | Spreader Holder              | 飾り糸ルーパー台  | 1    |
| 25   | 3209300 | Spreader                     | 飾り糸ルーパー   | 1    |
| 26   | 110031  | Screw(M4-0.7×12)             | 止ネジ       | 2    |
| 27   | 3100306 | Rocking Arm, Complete Set    | ルーパ振り腕(組) | 1    |



| Ref. | Parts   | No.                                  | Description  | 品名 | Req. |
|------|---------|--------------------------------------|--------------|----|------|
| 1    | 3200150 | Looper Rocker Connecting Rod, C.Set. | ルーパー前後ロッド(組) | 1  |      |
| 2    | 3200152 | Looper Rocker Connecting Rod         | ルーパー前後ロッド    | 1  |      |
| 3    | 120001  | Screw(M4-0.7×14)                     | 止ネジ          | 5  |      |
| 4    | 3200151 | Looper Rocker Eccentric              | ルーパー前後エキセン   | 1  |      |
| 5    | 160003  | Screw(M5-0.8×5)                      | 止ネジ          | 2  |      |
| 6    | 3200153 | Connecting Rod Pin                   | ルーパー前後ロッドピン  | 1  |      |
| 7    | 3200156 | Spacer                               | スペーサ         | 1  |      |
| 8    | 300000  | Washer                               | ワッシャ         | 1  |      |
| 9    | 100002  | Nut                                  | ナット          | 1  |      |
| 10   | 3200154 | Looper Rocker Lever                  | ルーパー前後腕      | 1  |      |
| 11   | 005650  | Screw(M5-0.8×14)                     | 止ネジ          | 3  |      |
| 12   | 3200155 | Looper Rocker Adjusting Guide Plate  | ルーパー前後調節ガイド板 | 1  |      |
| 13   | 110007  | Screw(M2.5-0.45×6)                   | 止ネジ          | 2  |      |
| 14   | 170021  | Adjusting Screw(M2.5-0.45×10.5)      | 調節ネジ         | 1  |      |
| 15   | 2100267 | Collar                               | カラー          | 1  |      |
| 16   | 160001  | Screw(M4-0.7×4)                      | 止ネジ          | 2  |      |
| 17   | 0093314 | Looper Rocker Shaft                  | ルーパー前後軸      | 1  |      |
| 18   | 3200157 | Looper Rocker Arm                    | ルーパー振り腕      | 1  |      |
| 19   | 0093319 | Looper Slide Block                   | ルーパー前後駒      | 1  |      |
| 20   | 000637  | Seal Plug                            | 詰栓           | 1  |      |
| 21   | 0033074 | Looper Slide Block Pin               | ルーパー前後駒ピン    | 1  |      |
| 22   | 160009  | Screw(M5-0.8×5)                      | 止ネジ          | 1  |      |
| 23   | 3200161 | Looper Connecting Rod                | ルーパーロッド      | 1  |      |
| 24   | 0032784 | Link Pin(Short)                      | ルーパーリンクピン(短) | 1  |      |
| 25   | 004410  | Screw(11/64-40×5.5)                  | 止ネジ          | 1  |      |
| 26   | 0032785 | Looper Driving Lever Link            | ルーパーリンク      | 1  |      |
| 27   | 001457  | Screw(11/64-40×3.3)                  | 止ネジ          | 1  |      |
| 28   | 0032786 | Link Pin(Long)                       | ルーパーリンクピン(長) | 1  |      |
| 29   | 3200162 | Looper Driving Lever                 | ルーパー駆動腕      | 1  |      |
| 30   | 150007  | Screw(M6-1×6)                        | 止ネジ          | 2  |      |
| 31   | 3200163 | Collar                               | カラー          | 1  |      |
| 32   | 0093300 | Looper Driving Shaft                 | ルーパー軸        | 1  |      |
| 33   | 3200164 | Looper Holder                        | ルーパー台        | 1  |      |
| 34   | 000669  | Washer                               | ワッシャ         | 1  |      |
| 35   | 0095174 | Looper                               | ルーパー         | 1  |      |
| 36   | 110057  | Screw(M4-0.7×7)                      | 止ネジ          | 1  |      |
| 37   | 0095723 | Needle Guard(Front)                  | 針受け(前)       | 1  |      |
| 38   | 001228  | Screw(3/32-56×3.2)                   | 止ネジ          | 1  |      |



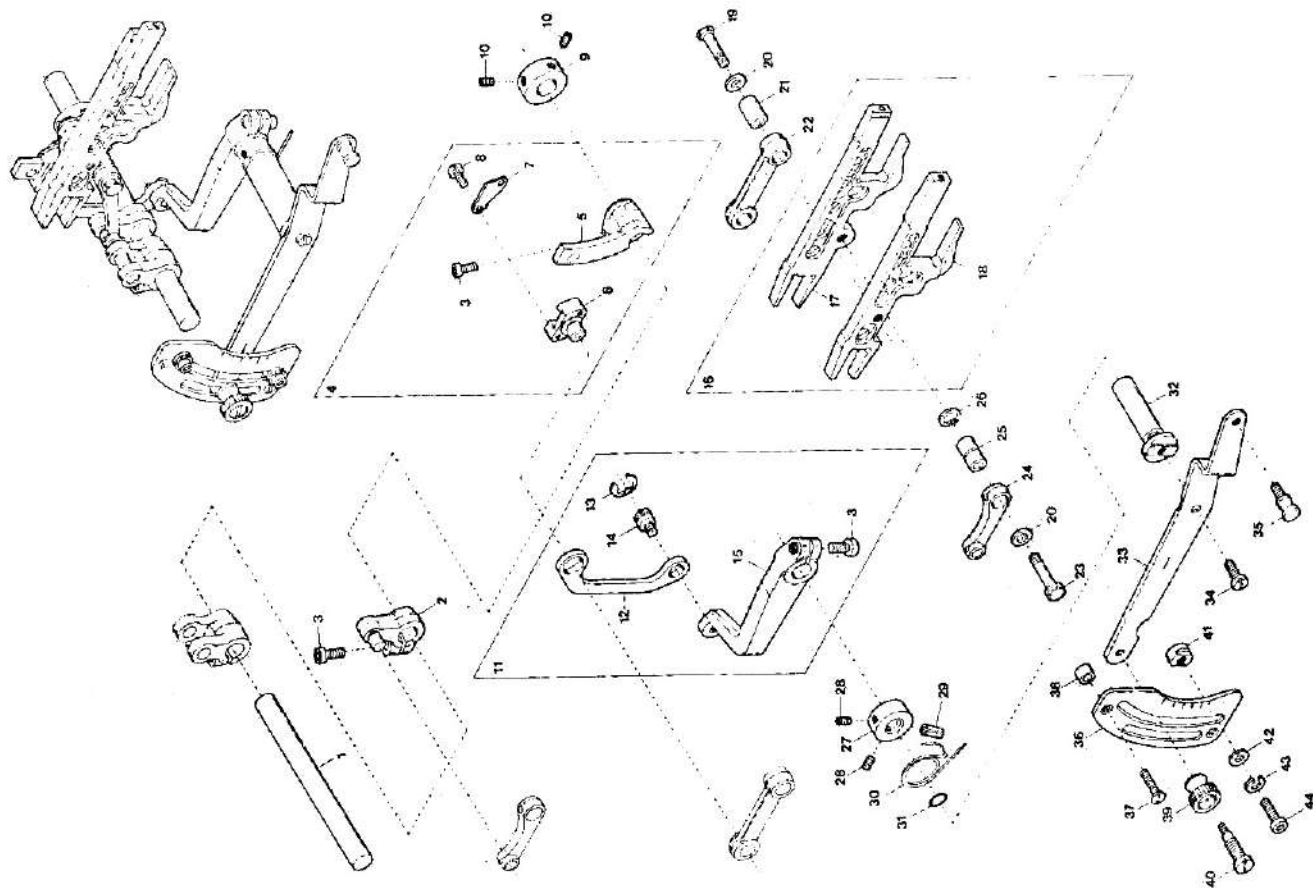
# FEED DRIVING CONTROL MECHANISM

前送り調節機構

1.1

Ref. Parts

| No. | Description                             | 品名          | Req. |
|-----|-----------------------------------------|-------------|------|
| 1   | Feed Bar Driving Shaft                  | 送り軸         | 1    |
| 2   | Main Feed Bar Lever                     | 後送りレバー      | 1    |
| 3   | Screw (M6-1×12)                         | 止ネジ         | 3    |
| 4   | Differential Rocker, Complete Set       | 前送り腕(組)     | 1    |
| 5   | Differential Rocker                     | 前送り腕        | 1    |
| 6   | Differential Regulating Slider          | スライダ        | 1    |
| 7   | Differential Regulating Slider Cap      | スライダ蓋       | 1    |
| 8   | Screw (M3-0.5×6)                        | 止ネジ         | 2    |
| 9   | Collar                                  | カラー         | 1    |
| 10  | Screw (M5-0.8×5)                        | 止ネジ         | 2    |
| 11  | Differential Lever (Inner), C. Set      | 差動レバー(中)(組) | 1    |
| 12  | Slider Link                             | スライダリンク     | 1    |
| 13  | Retaining Ring                          | ストップリング     | 1    |
| 14  | Slider Link Pin                         | スライダリンクピン   | 1    |
| 15  | Differential Lever (Inner)              | 差動レバー(中)    | 1    |
| 16  | Feed Bar, Complete Set                  | 前後送り台(組)    | 1    |
| 17  | Main Feed Bar                           | 後送り台        | 1    |
| 18  | Differential Feed Bar                   | 前送り台        | 1    |
| 19  | Screw (M5-0.5×6)                        | 止ネジ         | 1    |
| 20  | Washer                                  | ワッシャ        | 2    |
| 21  | Connection Bushing                      | 前送りリンクブッシュ  | 1    |
| 22  | Differential Feed Bar Connection        | 前送りリンク      | 1    |
| 23  | Screw (M5-0.5×6)                        | 止ネジ         | 1    |
| 24  | Main Feed Bar Connection                | 後送りリンク      | 1    |
| 25  | Connection Bushing                      | 後送りリンクブッシュ  | 1    |
| 26  | Retaining Ring                          | ストップリング     | 1    |
| 27  | Collar                                  | カラー         | 1    |
| 28  | Screw (M4-0.7×4)                        | 止ネジ         | 2    |
| 29  | Roll Pin                                | ローレルピン      | 1    |
| 30  | Differential Lever Spring               | 差動レバーバネ     | 1    |
| 31  | O-Ring                                  | Oリング        | 1    |
| 32  | Differential Lever Shaft                | 差動レバー軸      | 1    |
| 33  | Differential Lever (Left)               | 差動レバー(左)    | 1    |
| 34  | Screw (M4-0.7×8)                        | 止ネジ         | 1    |
| 35  | Screw (11/64-40×3.2)                    | 鎖掛ケネジ       | 1    |
| 36  | Differential Feed Graduation            | 送り目盛板       | 1    |
| 37  | Screw (M4-0.7×14)                       | 止ネジ         | 2    |
| 38  | Spacer                                  | スペーサ        | 2    |
| 39  | Adjusting Nut                           | 調節ナット       | 1    |
| 40  | Adjusting Screw (1/4-40×11, 11/64-40×4) | 調節ネジ        | 1    |
| 41  | Differential Lever Stop                 | 差動レバーストップバ  | 2    |
| 42  | Washer                                  | ワッシャ        | 2    |
| 43  | Spring Washer                           | スプリングワッシャ   | 2    |
| 44  | Screw (M5-0.8×8)                        | 止ネジ         | 2    |

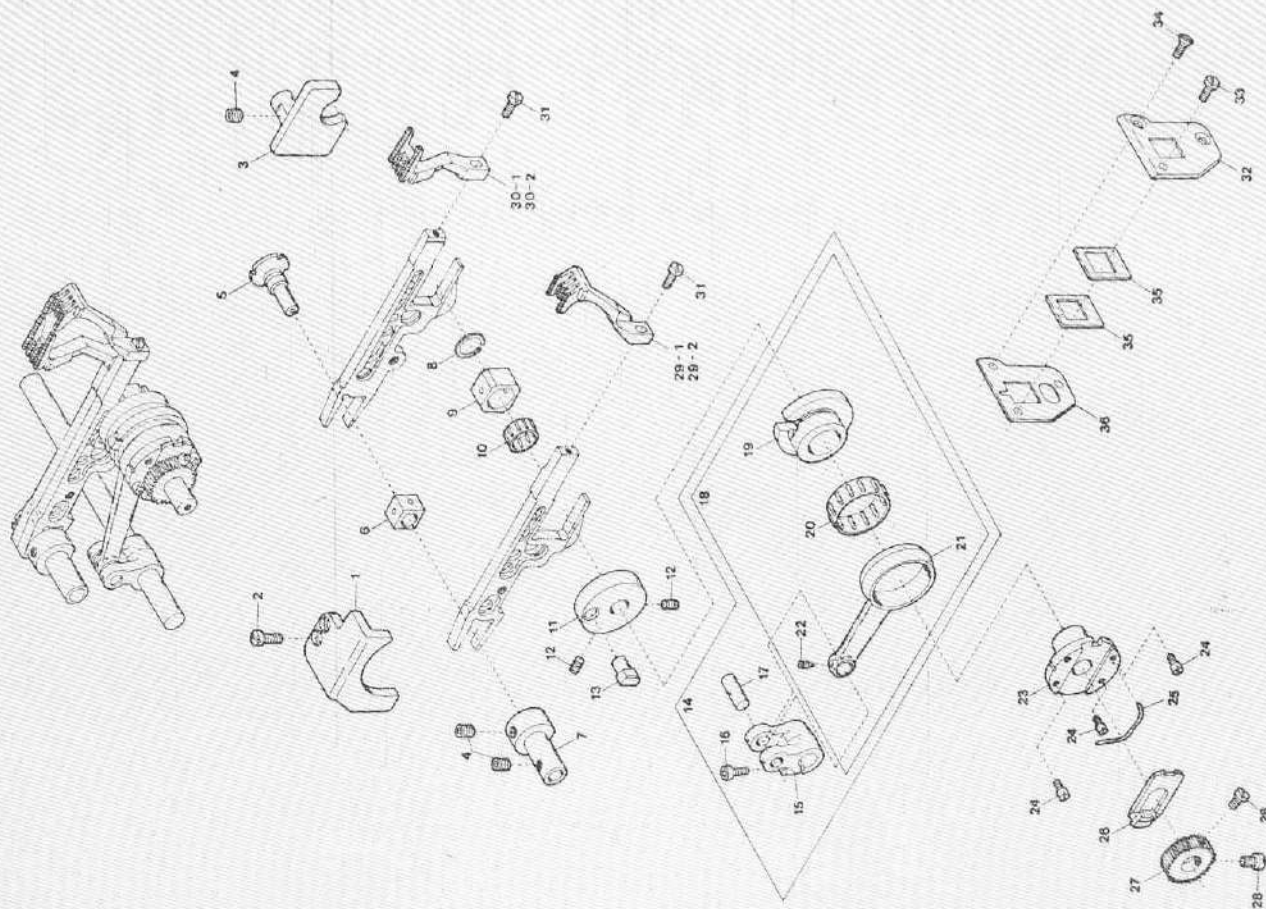


## FEED DRIVING MECHANISM

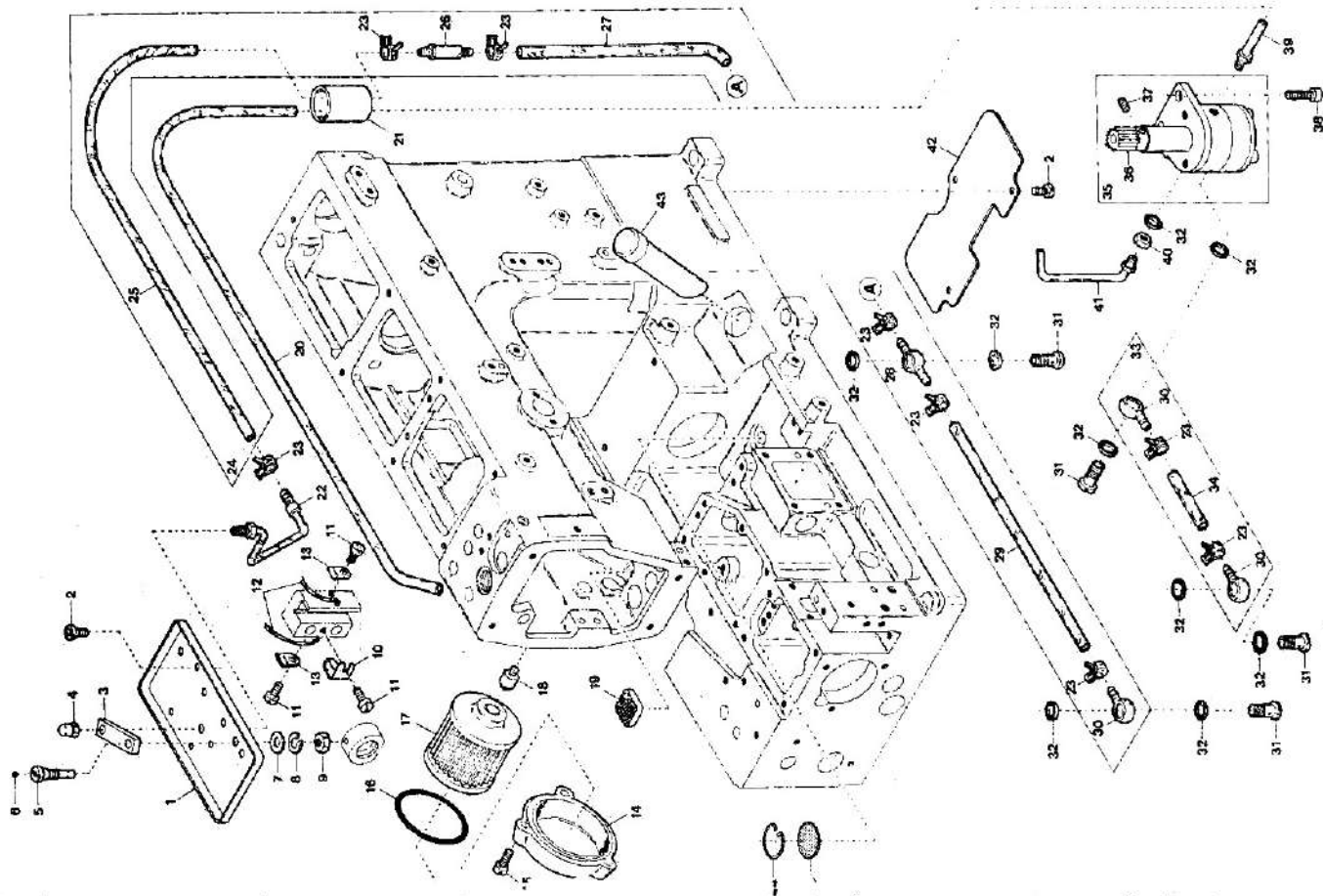
1 2

送り機構

| Ref. | Parts   | No. | Description                              | 品名           | Req. |
|------|---------|-----|------------------------------------------|--------------|------|
| 1    | 3200199 | 1   | Feed Bar Guide(Left)                     | 送り台ガイド(左)    | 1    |
| 2    | 110035  | 2   | Screw(M4-0.7×10)                         | 止ネジ          | 2    |
| 3    | 3200200 | 1   | Feed Bar Guide(Right)                    | 送り台ガイド(右)    | 1    |
| 4    | 160007  | 3   | Screw(M6-1×6)                            | 止ネジ          | 3    |
| 5    | 0033141 | 1   | Feed Adjusting Pin                       | エキセンピン       | 1    |
| 6    | 0093389 | 1   | Feed Bar Block(Rear)                     | 角駒(後)        | 1    |
| 7    | 3200201 | 1   | Feed Bar Guide(Rear)                     | 送り台ガイド(後)    | 1    |
| 8    | 0060076 | 1   | Retaining Ring                           | ストッパリング      | 1    |
| 9    | 0060075 | 1   | Feed Bar Block(Front)                    | 角駒(前)        | 1    |
| 10   | 0060090 | 1   | Roller Bearing                           | ニードルベアリング    | 1    |
| 11   | 3200198 | 1   | Eccentric Pin Holder                     | 送りエキセンピン取付台  | 1    |
| 12   | 160003  | 2   | Screw(M5-0.8×5)                          | 止ネジ          | 2    |
| 13   | 0020401 | 1   | Feed Dog Eccentric Pin                   | 送りエキセンピン     | 1    |
| 14   | 3200214 | 1   | Driving Connecting Rod Mechanism, C. Set | 送りロッド機構(組)   | 1    |
| 15   | 3200182 | 1   | Feed Bar Driving Shaft Lever             | 送り軸腕         | 1    |
| 16   | 120006  | 1   | Screw(M6-1×12)                           | 止ネジ          | 1    |
| 17   | 2100173 | 1   | Connecting Rod Pin                       | 送りロッドピン      | 1    |
| 18   | 3200195 | 1   | Driving Connecting Rod, C. Set           | 送りロッド(組)     | 1    |
| 19   | 2100277 | 1   | Feed Dog Eccentric                       | 送りエキセン       | 1    |
| 20   | 2100278 | 1   | Roller Bearing                           | ニードルベアリング    | 1    |
| 21   | 3200196 | 1   | Feed Dog Driving Connecting Rod          | 送りロッド        | 1    |
| 22   | 160016  | 1   | Screw(M4-0.7×4.5)                        | 止ネジ          | 1    |
| 23   | 2100276 | 1   | Feed Dog Regulating Eccentric            | 送り調節エキセン     | 1    |
| 24   | 180002  | 3   | Screw(M3-0.5×4)                          | 止ネジ          | 3    |
| 25   | 2100289 | 1   | Feed Dog Regulating Plate Spring         | 送り調節プレートバネ   | 1    |
| 26   | 0023473 | 1   | Feed Dog Regulating Plate                | 送り調節プレート     | 1    |
| 27   | 3200197 | 1   | Feed Dog Regulating Gear                 | 送り調節ギア       | 1    |
| 28   | 180003  | 2   | Screw(M5-0.8×8)                          | 止ネジ          | 2    |
| 29-1 | 3209001 | 1   | Differential Feed Dog(32,40,48,56)       | 前送り          | 1    |
| 29-2 | 3209003 | 1   | " (64)                                   | "            | 1    |
| 30-1 | 3209000 | 1   | Main Feed Dog(32,40,48,56)               | 後送り          | 1    |
| 30-2 | 3209002 | 1   | " (64)                                   | "            | 1    |
| 31   | 110004  | 2   | Screw(M3.5-0.6×8)                        | 止ネジ          | 2    |
| 32   | 3200203 | 1   | Feed Bar Shield Holder(Front)            | 送り台シールド支エ(前) | 1    |
| 33   | 110009  | 1   | Screw(M4-0.7×8)                          | 止ネジ          | 1    |
| 34   | 130003  | 2   | Screw(M4-0.7×7.3)                        | 止ネジ          | 2    |
| 35   | 3200211 | 2   | Feed Bar Shield                          | 送り台シールド      | 2    |
| 36   | 3200204 | 1   | Feed Bar Shield Holder(Rear)             | 送り台シールド支エ(後) | 1    |

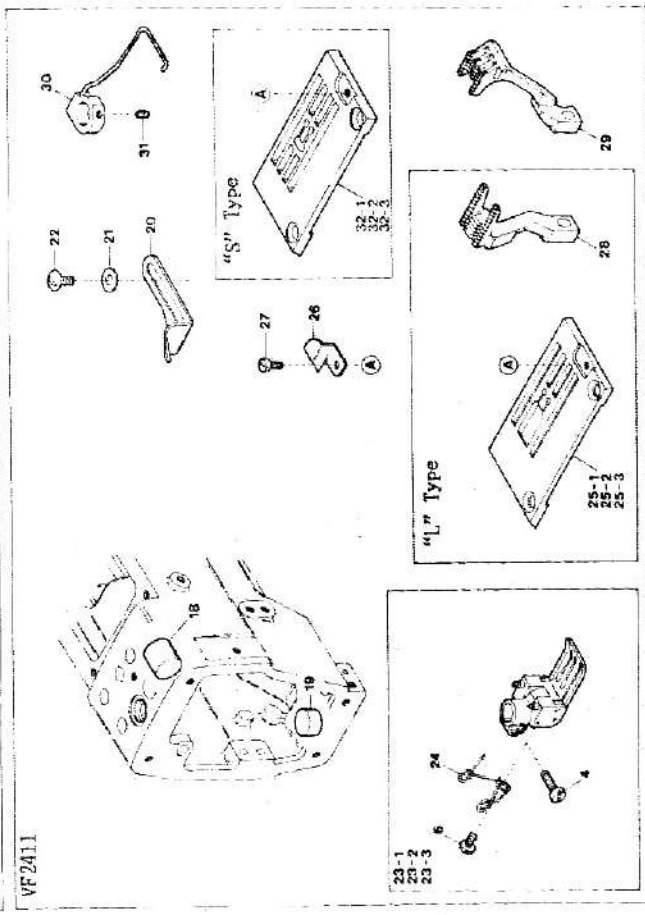
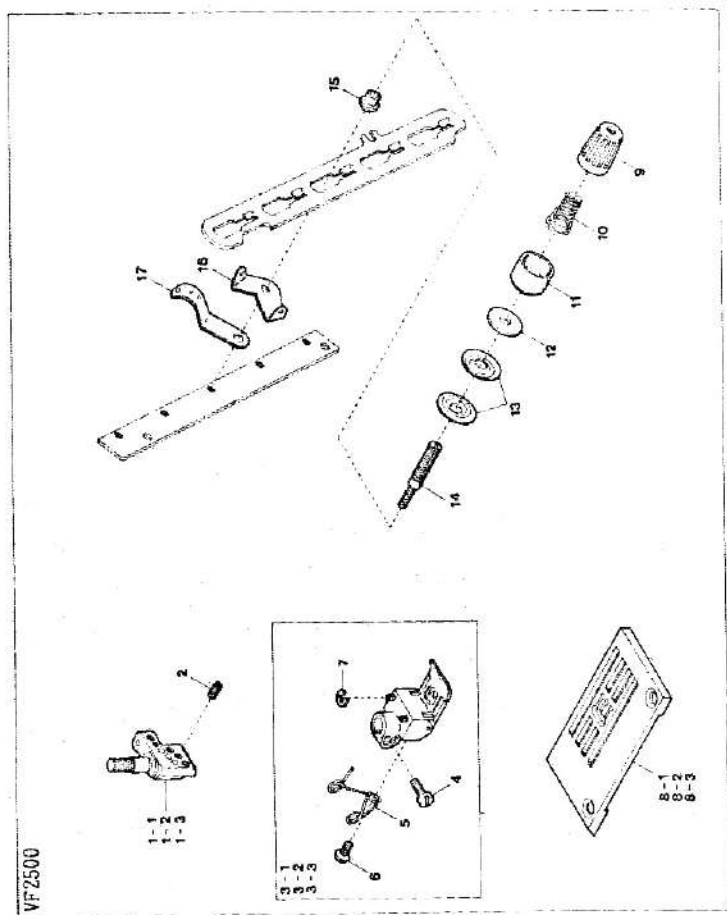


| Ref. | No.     | Description                    | 品名          | Req. |
|------|---------|--------------------------------|-------------|------|
| 1    | 0065453 | Oil Receiver                   | 油受け皿        | 1    |
| 2    | 110012  | Screw (M4-0.7×5)               | 止ネジ         | 5    |
| 3    | 3200229 | Lubricant Guiding Block        | 給油ブロック      | 1    |
| 4    | 320006  | Top Nozzle Cap                 | オイルノズルキャップ  | 1    |
| 5    | 3200230 | Oil Adjusting Screw            | 給油量調節ネジ     | 1    |
| 6    | 0006336 | Seal Plug                      | 給油栓         | 1    |
| 7    | 300000  | Washer                         | ワッシャー       | 1    |
| 8    | 000600  | Spring Washer                  | スプリングワッシャー  | 1    |
| 9    | 100002  | Nut                            | ナット         | 1    |
| 10   | 0063251 | Oil Tube Stay                  | パイプ支エ       | 1    |
| 11   | 110003  | Screw (M3.5-0.6×6)             | 止ネジ         | 3    |
| 12   | 000240  | Oil Wick                       | 油芯          | 2    |
| 13   | 0024302 | Oil Wick Stay                  | 油芯支エ        | 2    |
| 14   | 3100060 | Oil Filter Cap                 | オイルフィルタキャップ | 1    |
| 15   | 110031  | Screw (M4-0.7×12)              | 止ネジ         | 3    |
| 16   | 3100061 | O-Ring                         | Oリング        | 1    |
| 17   | 3100345 | Oil Filter                     | オイルフィルタ     | 1    |
| 18   | 3100329 | Oil Filter Connector           | オイルフィルタ継手   | 1    |
| 19   | 0063234 | Felt                           | フェルト        | 1    |
| 20   | 0063235 | Oil Tube (3×5×500mm)           | オイルパイプ      | 1    |
| 21   | 0065452 | Draining Pipe                  | 排油パイプ       | 1    |
| 22   | 3200227 | Oil Pipe Unit                  | 給油パイプ(組)    | 1    |
| 23   | 0031831 | Oil Tube Clamp                 | 緊束環         | 8    |
| 24   | 3200234 | Oil Tube (Long), Complete Set  | 給油パイプ(長)(組) | 1    |
| 25   | 3100335 | Oil Tube (4×6×290mm)           | オイルパイプ      | 1    |
| 26   | 0090930 | Non-Return Valve, Complete Set | 逆止弁(組)      | 1    |
| 27   | 3100336 | Oil Tube (4×6×75mm)            | オイルパイプ      | 1    |
| 28   | 0037668 | Oil Tube Joint, Two Way        | 両口管継手       | 1    |
| 29   | 3200233 | Oil Tube (4×6×175mm)           | オイルパイプ      | 1    |
| 30   | 0037669 | Oil Tube Joint, One Way        | 片口管継手       | 3    |
| 31   | 004124  | Fitting Stud (Short)           | 管継手ボルト(短)   | 4    |
| 32   | 000567  | Seal                           | パッキン        | 9    |
| 33   | 3200235 | Oil Tube (Short), Complete Set | 給油パイプ(短)(組) | 1    |
| 34   | 3200232 | Oil Tube (4×6×45mm)            | オイルパイプ      | 1    |
| 35   | 3100328 | Oil Pump, Complete Set         | ポンプ(組)      | 1    |
| 36   | 0030711 | Oil Pump Driving Worm Gear     | ウオームギア      | 1    |
| 37   | 009526  | Screw (9/64-40×4.4)            | 止ネジ         | 2    |
| 38   | 120006  | Screw (M6-1×12)                | 止ネジ         | 2    |
| 39   | 0090918 | Suction Pipe                   | 吸入パイプ       | 1    |
| 40   | 000419  | Nut                            | ノズル止めナット    | 1    |
| 41   | 3100349 | Oil Nozzle for Worm Gear       | 給油パイプ       | 1    |
| 42   | 3200231 | Dustproof Plate                | 防塵板         | 1    |
| 43   | 0020533 | Oil Sight Gauge                | オイルゲージ      | 1    |
| 44   | 0063217 | Oil Filter Screen Clamp        | 濾過網締め       | 1    |
| 45   | 0063216 | Oil Filter Screen              | 濾過網         | 1    |



## VF2500, 2411 EXCLUSIVE PARTS

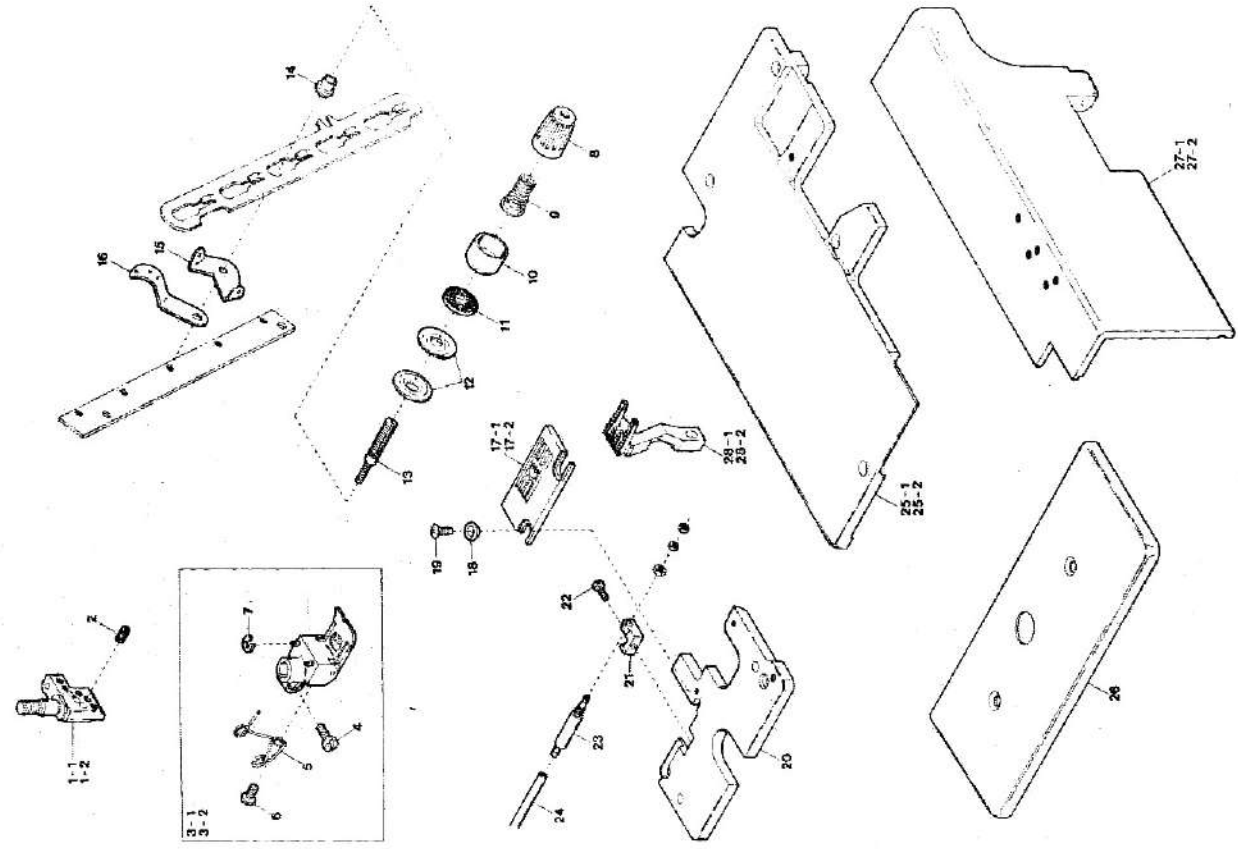
| Ref. Parts |         |                                | 品名           |   |  | サブモデル専用部品 |  |      |
|------------|---------|--------------------------------|--------------|---|--|-----------|--|------|
| No.        | Na.     | Description                    |              |   |  |           |  |      |
| 1-1        | 3209106 | Needle Clamp(48)               | 針止メ          | 1 |  |           |  | 1.4  |
| 1-2        | 3209107 | " (56)                         | "            | 1 |  |           |  | Amt. |
| 1-3        | 3209108 | " (64)                         | "            | 1 |  |           |  | Req. |
| 2          | 001892  | Screw(1/8-44×2.9)              | 止ネジ          | 3 |  |           |  |      |
| 3-1        | 0095586 | Presser Foot, Complete Set(48) | 押エ(組)        | 1 |  |           |  | 1    |
| 3-2        | 0095587 | " (56)                         | "            | 1 |  |           |  | 1    |
| 3-3        | 0095588 | " (64)                         | "            | 1 |  |           |  | 1    |
| 4          | 001186  | Screw(9/64-40×7.8)             | 止ネジ          | 1 |  |           |  | 1    |
| 5          | 0095641 | Presser Foot Spring            | 押エバネ         | 2 |  |           |  | 1    |
| 6          | 005133  | Screw(1/8-44×4.5)              | 止ネジ          | 1 |  |           |  | 1    |
| 7          | 0095642 | Retaining Ring                 | ストッパリング      | 2 |  |           |  | 2    |
| 8-1        | 0094800 | Stitch Plate(48M)              | 針板           | 1 |  |           |  | 1    |
| 8-2        | 0094801 | " (56M)                        | "            | 1 |  |           |  | 1    |
| 8-3        | 0094802 | " (64M)                        | "            | 1 |  |           |  | 1    |
| 9          | 0093863 | Thread Tension Spring Cap      | 糸調子バネキャップ(上) | 1 |  |           |  | 1    |
| 10         | 0090814 | Needle Thread Tension Spring   | 糸調子バネ        | 1 |  |           |  | 1    |
| 11         | 0090071 | Thread Tension Spring Retainer | 糸調子バネキャップ(下) | 1 |  |           |  | 1    |
| 12         | 000177  | Felt                           | フェルト         | 1 |  |           |  | 1    |
| 13         | 0031111 | Tension Disc                   | 糸調子皿         | 2 |  |           |  | 2    |
| 14         | 009835  | Tension Post                   | 糸調子棒         | 1 |  |           |  | 1    |
| 15         | 0090812 | Tension Post Ferrule           | 糸調子棒糸留レ      | 1 |  |           |  | 1    |
| 16         | 0090856 | Tension Disc Eyelet            | 糸調子皿糸道       | 1 |  |           |  | 1    |
| 17         | 0090807 | Thread Lead-in Guide           | 糸調子台糸道       | 1 |  |           |  | 1    |
| 18         | 0094504 | Seal Plug                      | 結栓           | 1 |  |           |  | 1    |
| 19         | 0093548 | Seal Plug                      | 結栓           | 1 |  |           |  | 1    |
| 20         | 0094616 | Edge Guide(on the Front Cover) | 当て定規         | 1 |  |           |  | 1    |

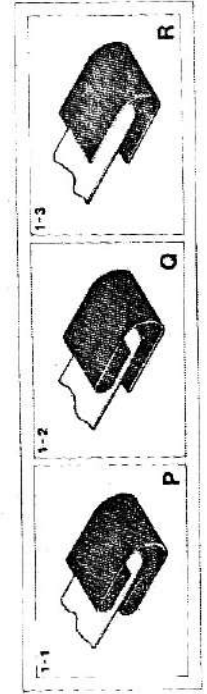
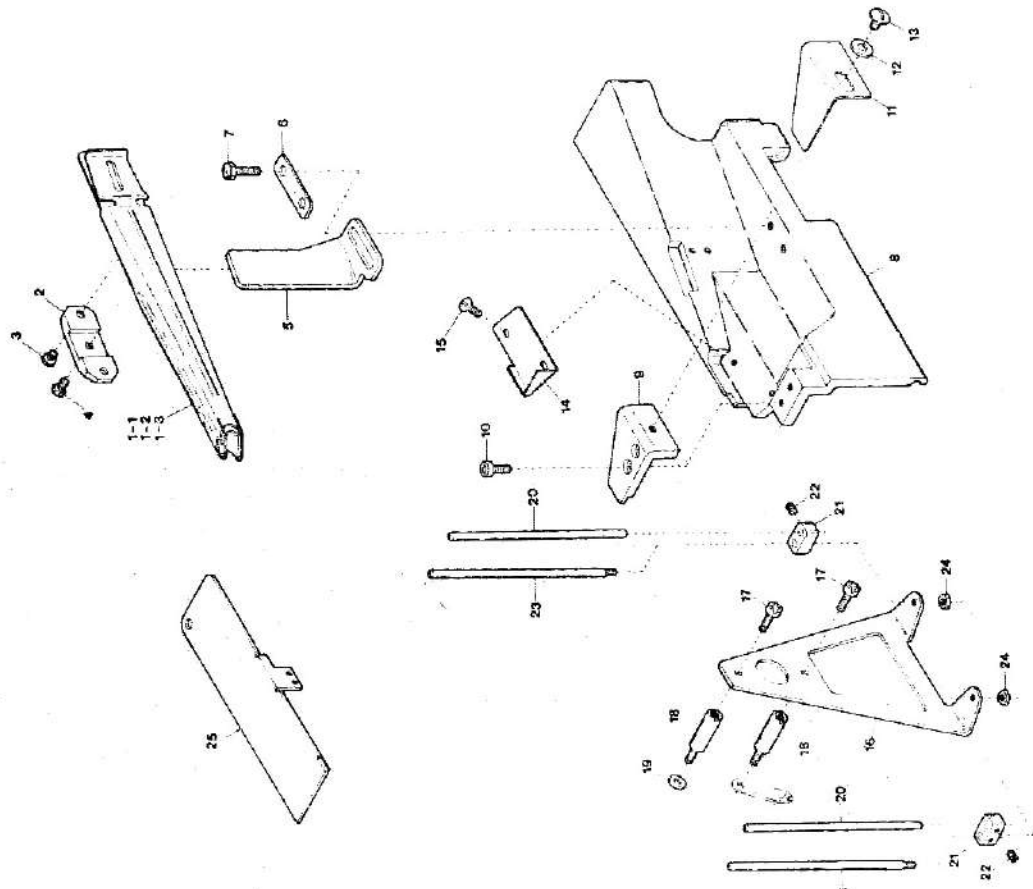


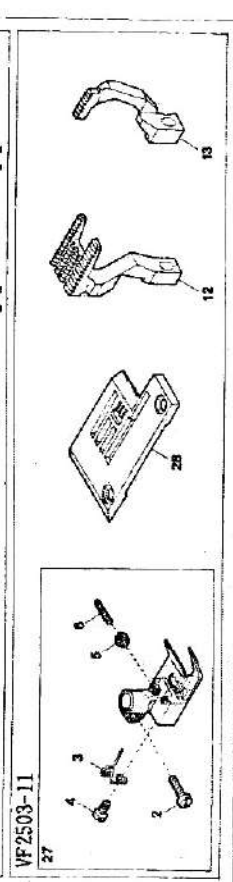
| Ref. | Parts | No.     | Description                     | 品名           | Req. |
|------|-------|---------|---------------------------------|--------------|------|
| 1-1  |       | 3209107 | Needle Clamp (56)               | 針止メ          | 1    |
| 1-2  |       | 3209108 | " (64)                          | "            | 1    |
| 2    |       | 001892  | Screw (1/8-44X2.9)              | 止ネジ          | 3    |
| 3-1  |       | 0095587 | Presser Foot, Complete Set (56) | 押エ(組)        | 1    |
| 3-2  |       | 0095588 | " (64)                          | "            | 1    |
| 4    |       | 001186  | Screw (9/64-40X7.8)             | 止ネジ          | 1    |
| 5    |       | 0095641 | Presser Foot Spring             | 押エバネ         | 1    |
| 6    |       | 005133  | Screw (1/8-44X4.5)              | 止ネジ          | 1    |
| 7    |       | 0095642 | Retaining Ring                  | ストップリング      | 2    |
| 8    |       | 0093863 | Thread Tension Spring Cap       | 糸調子バネキャップ(上) | 1    |
| 9    |       | 0090814 | Needle Thread Tension Spring    | 糸調子バネ        | 1    |
| 10   |       | 0090071 | Thread Tension Spring Retainer  | 糸調子バネキャップ(下) | 1    |
| 11   |       | 000177  | Felt                            | フェルト         | 1    |
| 12   |       | 0031111 | Tension Disc                    | 糸調子皿         | 2    |
| 13   |       | 009835  | Tension Post                    | 糸調子棒         | 1    |
| 14   |       | 0090812 | Tension Post Ferrule            | 糸調子棒糸留レ      | 1    |
| 15   |       | 0090856 | Tension Disc Eyelet             | 糸調子皿糸道       | 1    |
| 16   |       | 0090807 | Thread Lead-in Guide            | 糸調子台糸道       | 1    |
| 17-1 |       | 3208000 | Stitch Plate (56)               | 針板           | 1    |
| 17-2 |       | 3208001 | " (64)                          | "            | 1    |
| 18   |       | 3201016 | Corner Sewing Sleeve            | 角縫スリーブ       | 2    |
| 19   |       | 009142  | Screw (9/64-40X7.1)             | 止ネジ          | 2    |
| 20   |       | 3201014 | Stitch Plate Support            | 針板取付板        | 1    |
| 21   |       | 3201015 | Cylinder Support                | シリンダ取付台      | 1    |
| 22   |       | 110036  | Screw (M3-0.5X6.5)              | 止ネジ          | 1    |
| 23   |       | 1091051 | Cylinder                        | シリンダ         | 1    |
| 24   |       | 0010260 | Vinyl Tube (4X2.5mm)            | ビニールパイプ      | -    |
| 25-1 |       | 3201011 | Cloth Plate (Large) (56)        | 大カバー         | 1    |
| 25-2 |       | 3201017 | " (64)                          | "            | 1    |
| 26   |       | 3201012 | Cloth Plate (Small)             | 小カバー         | 1    |
| 27-1 |       | 3201013 | Front Cover (56)                | 前開キカバー       | 1    |
| 27-2 |       | 3201018 | " (64)                          | "            | 1    |
| 28-1 |       | 3209018 | Main Feed Dog (56)              | 後送り          | 1    |
| 28-2 |       | 3209020 | " (64)                          | "            | 1    |

(注) ビニールパイプ御注文の際は品番と長さをお知らせ下さい。

Remarks:As for Vinyl Tube, your order must be accompanied with No. and length.







| Ref. | No.     | Parts |
|------|---------|-------|
| 1-1  | 0094215 |       |
| 1-2  | 0094216 |       |
| 1-3  | 0094217 |       |
| 1-4  | 0094219 |       |
| 2    | 001186  |       |
| 3    | 0091725 |       |
| 4    | 005133  |       |
| 5    | 002220  |       |
| 6    | 003300  |       |
| 7-1  | 0094281 |       |
| 7-2  | 0094282 |       |
| 7-3  | 0094283 |       |
| 7-4  | 0094285 |       |
| 8-1  | 3209004 |       |
| 8-2  | 3209006 |       |
| 9-1  | 3209005 |       |
| 9-2  | 3209007 |       |
| 10   | 0095238 |       |
| 11   | 0095234 |       |
| 12   | 3209008 |       |
| 13   | 3209009 |       |
| 14-1 | 3209107 |       |
| 14-2 | 3209108 |       |
| 15   | 001892  |       |
| 16   | 0093863 |       |
| 17   | 0090814 |       |
| 18   | 0090071 |       |
| 19   | 000177  |       |
| 20   | 0031111 |       |
| 21   | 009835  |       |
| 22   | 0090812 |       |
| 23   | 0090856 |       |
| 24   | 0090807 |       |
| 25-1 | 0094908 |       |
| 25-2 | 0094909 |       |
| 26-1 | 0094921 |       |
| 26-2 | 0094922 |       |
| 27   | 0095089 |       |
| 28   | 0095085 |       |

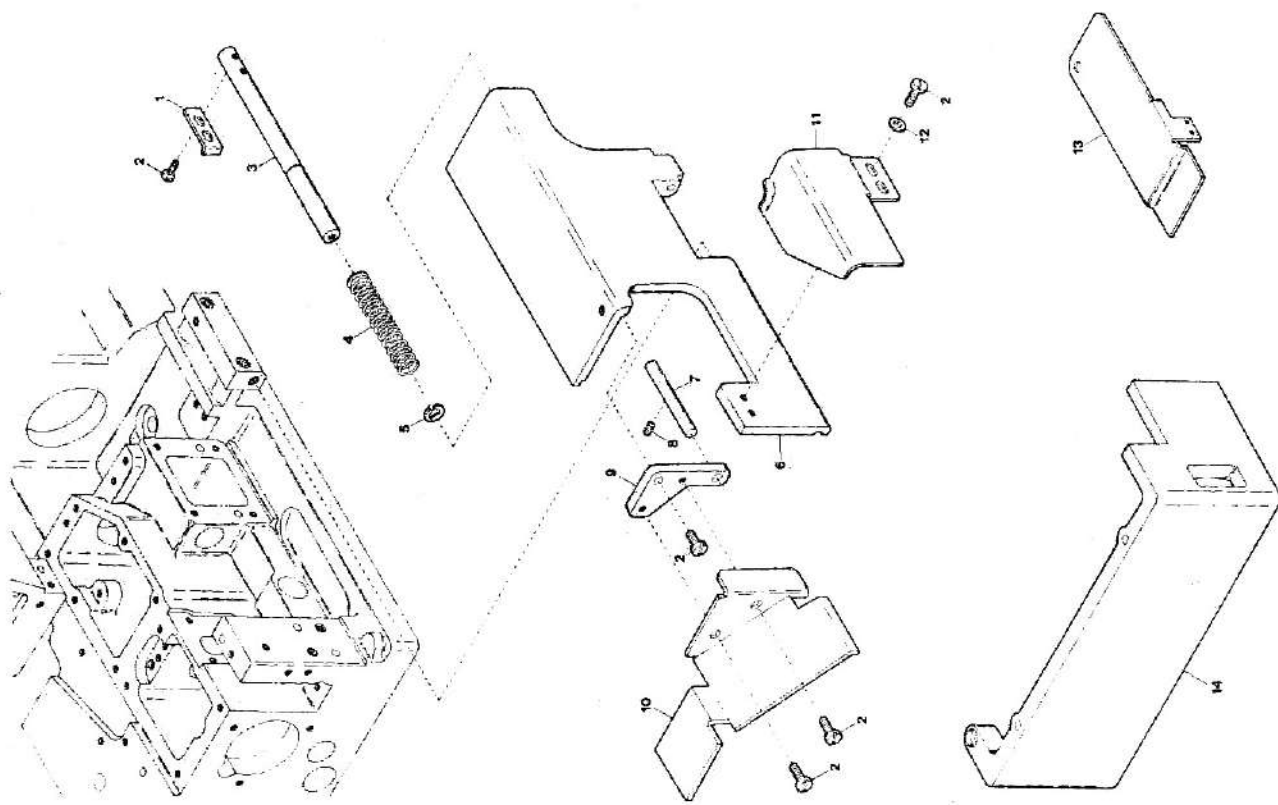
| Description                            | 品名           | Reg. |
|----------------------------------------|--------------|------|
| Presser Foot, Complete Set (32)        | 押エ(組)        | 1    |
| " (40)                                 | "            | 1    |
| " (48)                                 | "            | 1    |
| " (64)                                 | "            | 1    |
| Screw (9/64-40×7.8)                    | 止ネジ          | 1    |
| Presser Foot Spring                    | 小押エパネ        | 1    |
| Screw (1/8-44×4.5)                     | 止ネジ          | 1    |
| Lock Nut                               | ロックナット       | 1    |
| Adjusting Screw (1/8-44×15)            | 調節ネジ         | 1    |
| Stitch Plate (32M)                     | 針板           | 1    |
| " (40M)                                | "            | 1    |
| " (48M)                                | "            | 1    |
| " (64M)                                | "            | 1    |
| Main Feed Dog (32, 40, 48, 56)         | 後送り          | 1    |
| " (64)                                 | "            | 1    |
| Differential Feed Dog (32, 40, 48, 56) | 前送り          | 1    |
| " (64)                                 | "            | 1    |
| Presser Foot, Complete Set (40)        | 押エ(組)        | 1    |
| Stitch Plate (40M)                     | 針板           | 1    |
| Main Feed Dog (40-11, 64-11)           | 後送り          | 1    |
| Differential Feed Dog (40-11, 64-11)   | 前送り          | 1    |
| Needle Clamp (56)                      | 針止め          | 1    |
| " (64)                                 | "            | 1    |
| Screw (1/8-44×2.9)                     | 止ネジ          | 3    |
| Thread Tension Spring Cap              | 糸調子パネキャップ(上) | 1    |
| Needle Thread Tension Spring           | 糸調子パネ        | 1    |
| Thread Tension Spring Retainer         | 糸調子パネキャップ(下) | 1    |
| Felt                                   | フェルト         | 2    |
| Tension Disc                           | 糸調子皿         | 2    |
| Tension Post                           | 糸調子棒         | 1    |
| Tension Post Ferrule                   | 糸調子棒糸留レ      | 1    |
| Tension Disc Eyelet                    | 糸調子皿糸道       | 1    |
| Thread Lead-In Guide                   | 糸調子糸道        | 1    |
| Presser Foot, Complete Set (56)        | 押エ(組)        | 1    |
| " (64)                                 | "            | 1    |
| Stitch Plate (56M)                     | 針板           | 1    |
| " (64M)                                | "            | 1    |
| Presser Foot, Complete Set (56)        | 押エ(組)        | 1    |
| Stitch Plate (56M)                     | 針板           | 1    |

## VF2409, 2509 EXCLUSIVE PARTS(1)

## サブモデル専用部品(1)

18

| Ref. Parts | No.     | Description                             | 品名        | Req. |
|------------|---------|-----------------------------------------|-----------|------|
| 1          | 3201073 | Supplementary Front Cover Stop          | 前カバーストップ  | 1    |
| 2          | 110009  | Screw (M4-0.7×8)                        | 止ネジ       | 7    |
| 3          | 3201071 | Supplementary Front Cover Shaft (Long)  | 前カバー軸 (長) | 1    |
| 4          | 3201076 | Supplementary Front Cover Spring        | 前カバーバネ    | 1    |
| 5          | 0058202 | Retaining Ring                          | ストップリング   | 1    |
| 6          | 3201068 | Front Cover                             | 前開キカバー    | 1    |
| 7          | 3201072 | Supplementary Front Cover Shaft (Short) | 前カバー軸 (短) | 1    |
| 8          | 160001  | Screw (M4-0.7×4)                        | 止ネジ       | 1    |
| 9          | 3201070 | Supplementary Front Cover Support       | 前カバー取付板   | 1    |
| 10         | 3201069 | Supplementary Front Cover               | 前カバー      | 1    |
| 11         | 3201075 | Edge Guide                              | 当て定規      | 1    |
| 12         | 000538  | Washer                                  | ワッシャー     | 2    |
| 13         | 3201066 | Looper Thread Take-up Cover             | カムカバー     | 1    |
| 14         | 3201057 | Side Cover                              | 横開キカバー    | 1    |



VF2409, 2509(1)

Ref. Parts

Description

品名

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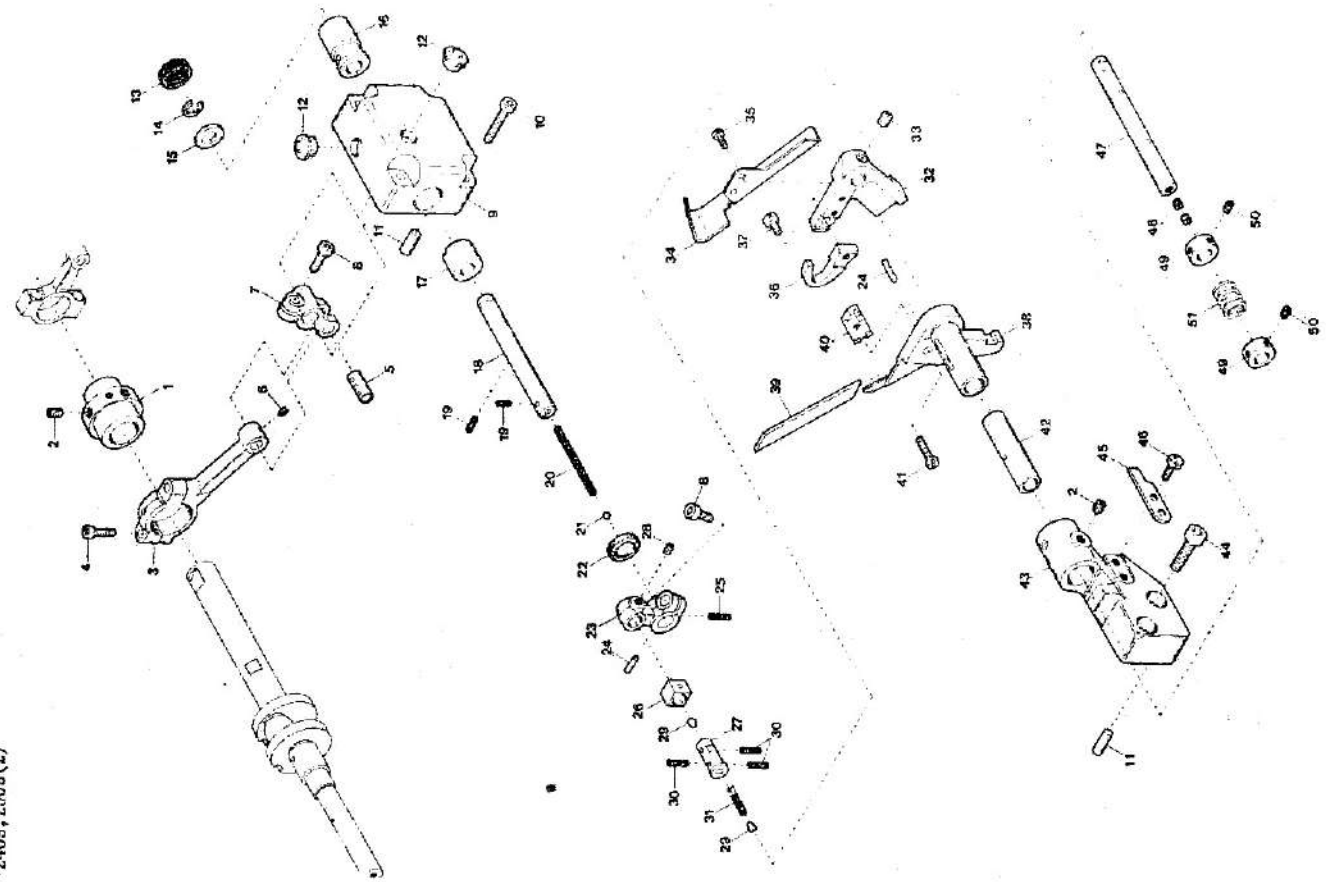
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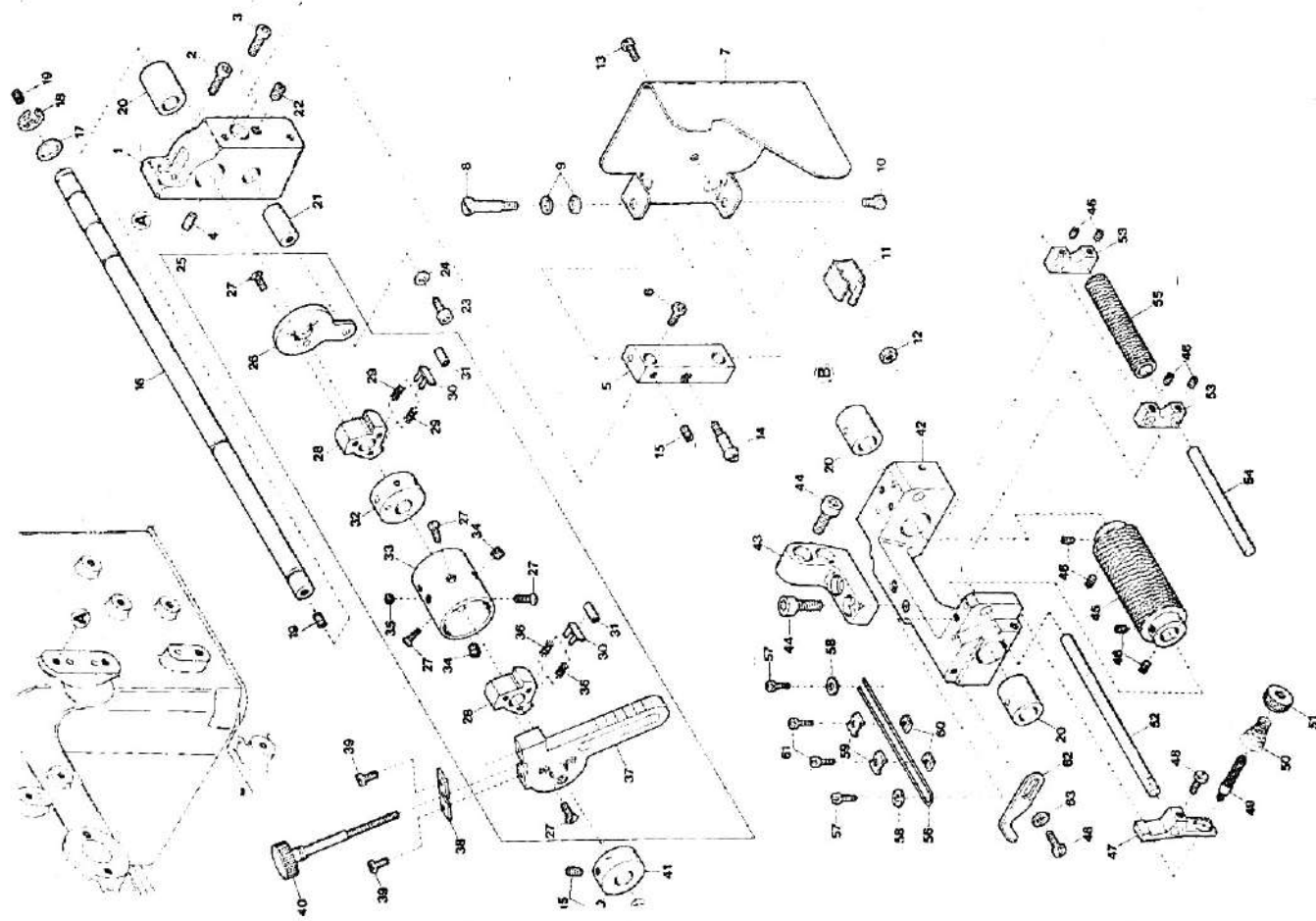
Upper Knife Eccentric  
Screw (M5-0.8×5)  
Upper Knife Connecting Rod  
Screw (M4-0.7×14)  
Connecting Rod Pin  
Screw (M3-0.5×4)  
Upper Knife Driving Shaft Lever (Right) 上メス軸腕(右)  
Screw (M5-0.8×14)  
Upper Knife Driving Shaft Bracket 上メス軸ブラケット  
Screw (M4-0.7×25)  
Knock Pin  
Seal Plug  
Seal Plug  
Retaining Ring  
Spacer  
Upper Knife Driving Shaft Bushing (Right) 上メス軸ブッシュ(右)  
Upper Knife Driving Shaft Bushing (Left) 上メス軸ブッシュ(左)  
Upper Knife Driving Shaft  
Oil Wick  
Oil Wick  
Seal Plug  
Oil Seal  
Upper Knife Driving Shaft Lever (Left) 上メス軸腕(左)  
Pin  
Oil Wick  
Upper Knife Connecting Block  
Upper Knife Connecting Block Pin  
Screw (M4-0.7×4)  
Seal Plug  
Oil Wick  
Oil Wick  
Upper Knife Holder  
Screw (M6-1×6)  
Chip Guard  
Screw (M3-0.5×6)  
Upper Knife  
Screw (9/64-40×9.5)  
Lower Knife Holder  
Lower Knife  
Lower Knife Clamp  
Screw (11/64-40×11)  
Lower Knife Holder Bushing  
Lower Knife Holder Bracket  
Screw (M6-1×20)  
Lower Knife Holder Locking Pin  
Screw (M4-0.7×8)  
Upper Knife Holder Pin  
Screw (11/64-40×3.3)  
Collar  
Screw (1/8-44×2.9)  
Upper Knife Spring

上メスエキセン  
止ネジ  
上メスロッド  
止ネジ  
上メスロッドピン  
止ネジ  
上メス軸腕(右)  
止ネジ  
上メス軸ブラケット  
止ネジ  
ノックピン  
詰栓  
詰栓  
ストッパリング  
スペーサ  
上メス軸ブッシュ(右)  
上メス軸ブッシュ(左)  
上メス軸  
油芯  
油芯  
詰栓  
油芯  
オイルシール  
上メス軸腕(左)  
ピン  
油芯  
上メス台角駒  
上メス台角駒ピン  
止ネジ  
詰栓  
油芯  
油芯  
上メス台  
止ネジ  
切屑除ケ  
止ネジ  
上メス  
止ネジ  
下メス台  
下メス  
下メス押エ  
止ネジ  
下メス台ブッシュ  
下メス台ブラケット  
止ネジ  
止ネジ  
下メス台回り止メ  
止ネジ  
上メス台ピン  
詰ネジ  
カラー  
止ネジ  
上メスバネ



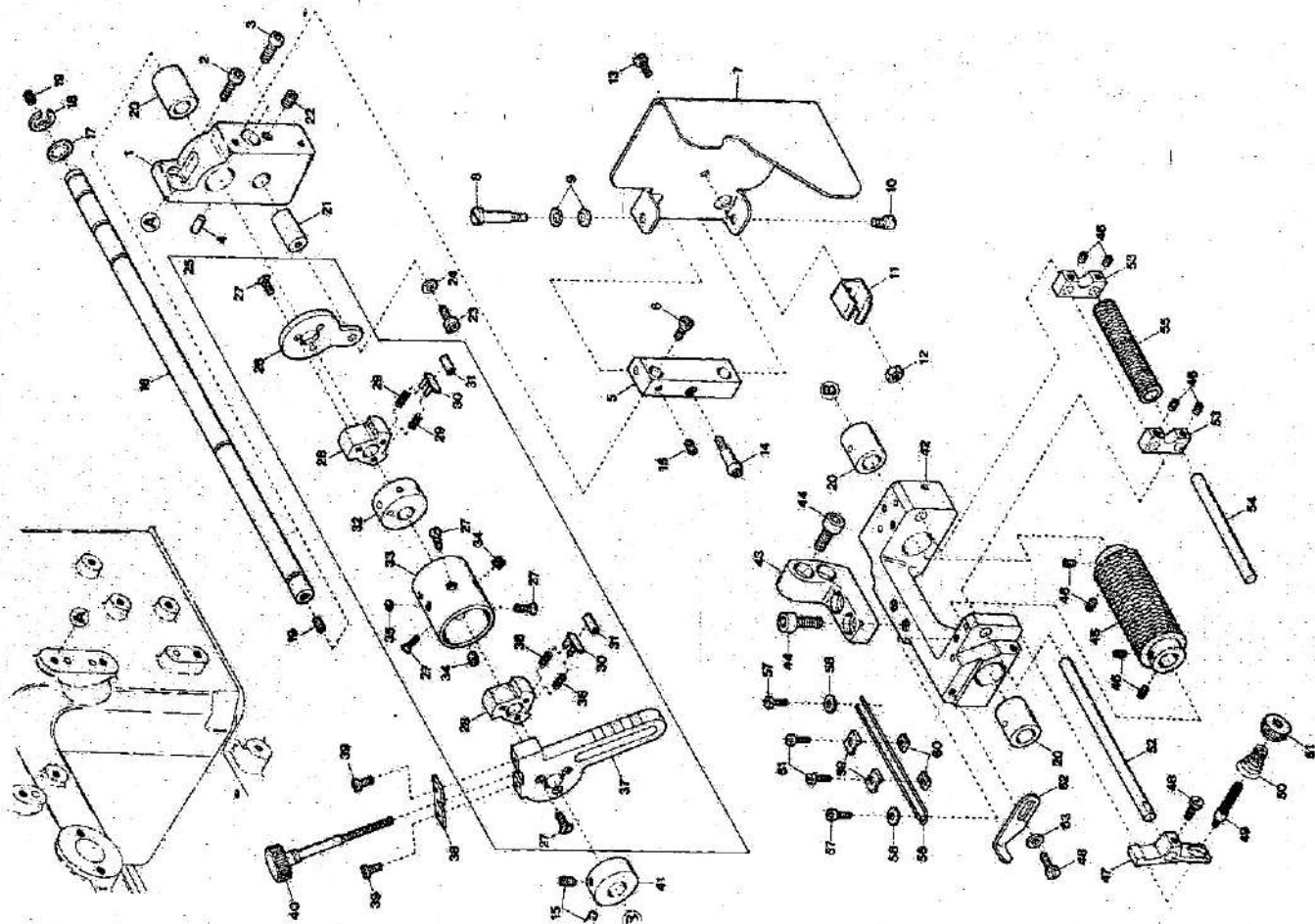
| Ref. Parts | No.     | Description                      | 品名            | Req. |
|------------|---------|----------------------------------|---------------|------|
| 1          | 3201086 | Clutch Bracket                   | ブラケット         | 1    |
| 2          | 120013  | Screw (M6-1×15)                  | 止ネジ           | 1    |
| 3          | 120019  | Screw (M6-1×35)                  | 止ネジ           | 1    |
| 4          | 000652  | Knock Pin                        | ノックピン         | 2    |
| 5          | 3201091 | Clutch Cover Hinge               | クラッチカバーヒンジ    | 1    |
| 6          | 110016  | Screw (M4-0.7×15)                | 止ネジ           | 2    |
| 7          | 3201090 | Clutch Cover                     | クラッチカバー       | 1    |
| 8          | 170026  | Screw (M4-0.7×8)                 | 止ネジ           | 1    |
| 9          | 300100  | Conical Spring Washer            | 皿バネワッシャ       | 2    |
| 10         | 180012  | Screw (M4-0.7×3)                 | 止ネジ           | 1    |
| 11         | 0094201 | Clutch Cover Latch Spring        | クラッチカバーバネ     | 1    |
| 12         | 000335  | Nut                              | ナット           | 2    |
| 13         | 004169  | Screw (9/64-40×8.2)              | 止ネジ           | 1    |
| 14         | 190005  | Screw (M4-0.7×5)                 | バネ掛ネジ         | 1    |
| 15         | 160001  | Screw (M4-0.7×4)                 | 止ネジ           | 3    |
| 16         | 3201088 | Roller Shaft                     | ローラ軸          | 1    |
| 17         | 2100218 | Thrust Ring                      | スラストリング       | 1    |
| 18         | 0095027 | Retaining Ring                   | ストップリング       | 1    |
| 19         | 160003  | Screw (M5-0.8×5)                 | 詰ネジ           | 2    |
| 20         | 3101372 | Roller Shaft Bushing             | ローラ軸ブッシュ      | 3    |
| 21         | 3201087 | Clutch Plate Stop Pin            | クラッチ板回り止メピン   | 1    |
| 22         | 160007  | Screw (M4-0.7×8)                 | 止ネジ           | 1    |
| 23         | 120018  | Screw (M4-0.7×10)                | 止ネジ           | 2    |
| 24         | 000541  | Washer                           | ワッシャ          | 1    |
| 25         | 3201093 | Clutch, Complete Set             | クラッチ(組)       | 1    |
| 26         | 3201085 | Clutch Plate (Right)             | クラッチ板(右)      | 1    |
| 27         | 007621  | Screw (9/64-40×7)                | 止ネジ           | 9    |
| 28         | 0095061 | Clutch                           | クラッチ          | 2    |
| 29         | 3010022 | Clutch Spring (Thick)            | クラッチバネ(太)     | 6    |
| 30         | 0095066 | Clutch Spring Seat               | クラッチバネ座       | 6    |
| 31         | 0095067 | Clutch Roller                    | クラッチローラ       | 6    |
| 32         | 0095063 | Clutch Sleeve Collar             | クラッチスリーブ止メカラー | 1    |
| 33         | 0095062 | Clutch Sleeve                    | クラッチスリーブ      | 1    |
| 34         | 003635  | Screw (1/4-40×6)                 | 止ネジ           | 2    |
| 35         | 007645  | Screw (1/4-40×3)                 | 止ネジ           | 2    |
| 36         | 0095065 | Clutch Spring (Thin)             | クラッチバネ(細)     | 6    |
| 37         | 3201084 | Clutch Lever                     | クラッチレバー       | 1    |
| 38         | 3201089 | Clutch Lever Pin Adjusting Plate | 調節プレート        | 1    |
| 39         | 110002  | Screw (M3-0.5×5)                 | 止ネジ           | 2    |
| 40         | 190034  | Adjusting Screw (M4-0.7×69)      | 調節ネジ          | 1    |

※ Ref.No. 41 to 63 ..... See the following page.

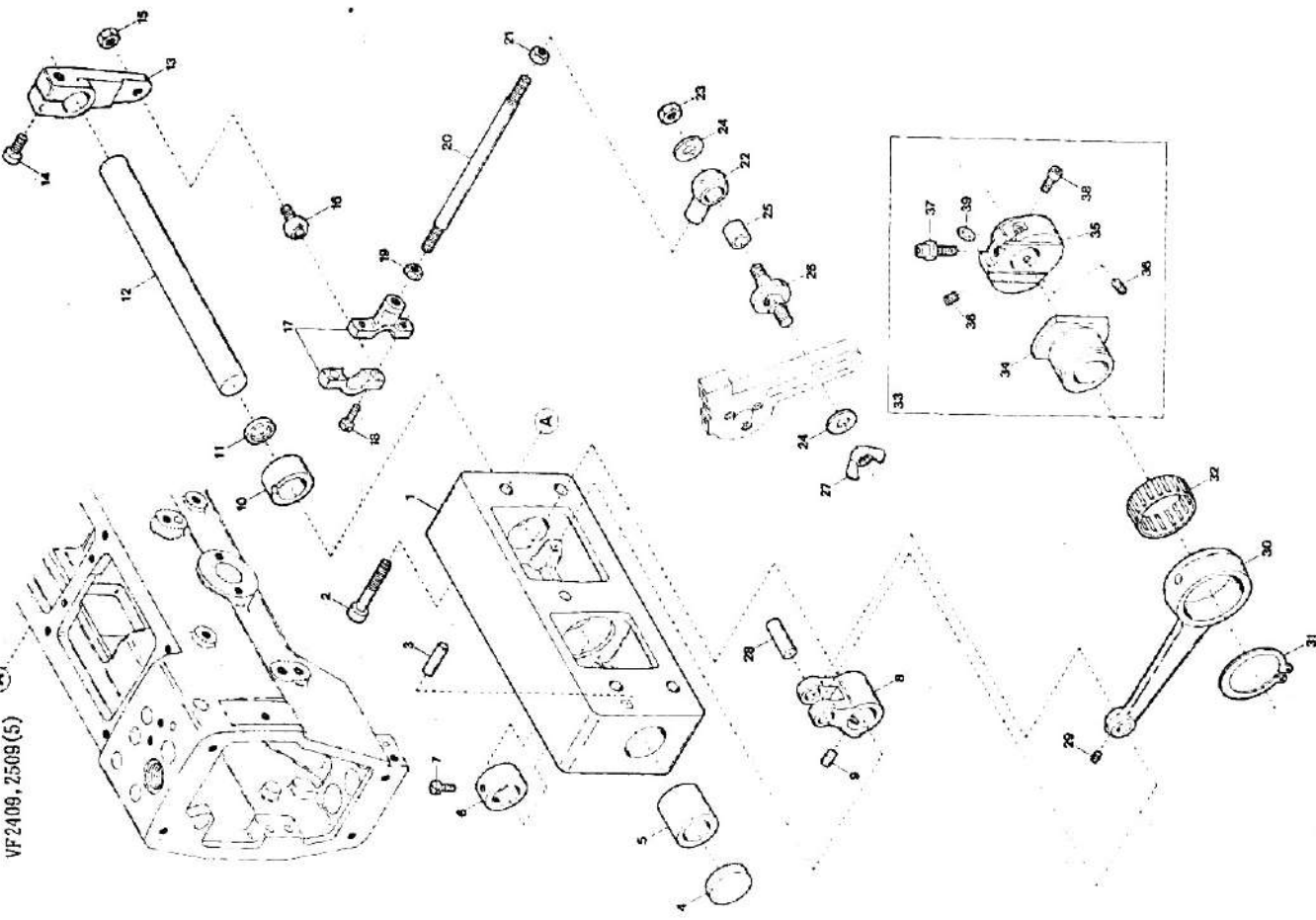


| Ref. Parts | No.     | Description                   | 品名           | Req. |
|------------|---------|-------------------------------|--------------|------|
| 41         | 2100267 | Collar                        | カラー          | 1    |
| 42         | 3101452 | Tension Roller Holder         | ローラ台         | 1    |
| 43         | 3101451 | Tension Roller Holder Bracket | ローラ台ブラケット    | 1    |
| 44         | 1200066 | Screw (M6-1×12)               | 止ネジ          | 4    |
| 45         | 3101380 | Tension Roller (Large)        | ローラ(大)       | 1    |
| 46         | 1500001 | Screw (M4-0.7×4)              | 止ネジ          | 8    |
| 47         | 3101374 | Tension Spring Holder         | バネ受け         | 1    |
| 48         | 1100009 | Screw (M4-0.7×8)              | 止ネジ          | 2    |
| 49         | 006543  | Tension Post                  | 調子棒          | 1    |
| 50         | 3101373 | Tension Spring                | 調子バネ         | 1    |
| 51         | 000182  | Adjusting Nut                 | 調節ナット        | 1    |
| 52         | 3101375 | Tension Link Shaft            | ローラリンク軸      | 1    |
| 53         | 3101376 | Tension Link                  | ローラリンク       | 1    |
| 54         | 3101377 | Roller Shaft (Small)          | ローラ軸(小)      | 1    |
| 55         | 3101378 | Tension Roller (Small) Unit   | ローラ(小)(組)    | 1    |
| 56         | 0094553 | Tape Guide                    | テープガイド       | 1    |
| 57         | 110013  | Screw (M4-0.7×8)              | 止ネジ          | 2    |
| 58         | 000530  | Washer                        | ワッシャー        | 2    |
| 59         | 0094556 | Tape Guide Washer             | テープガイドワッシャー  | 2    |
| 60         | 0094557 | Tape Guide Nut                | テープガイドナット    | 2    |
| 61         | 001196  | Screw (1/8-44×6)              | 止ネジ          | 2    |
| 62         | 3101454 | Tape Guide Bar Stop           | テープガイドバーストップ | 1    |
| 63         | 000538  | Washer                        | ワッシャー        | 1    |

\* Ref. No. 1 to 40 ..... See the preceding page.



| Ref. Parts | No. | Description | 品名 | Ant. |
|------------|-----|-------------|----|------|
|------------|-----|-------------|----|------|



VF2409, 2509 (5)

| Ref. Parts | No. | Description | 品名 | Ant. |
|------------|-----|-------------|----|------|
|------------|-----|-------------|----|------|

|    |         |                                    |                 |   |
|----|---------|------------------------------------|-----------------|---|
| 1  | 3100625 | Clutch Lever Shaft Bracket         | クラッチレバー軸ブラケット   | 1 |
| 2  | 120019  | Screw (M6-1X18)                    | 止ネジ             | 4 |
| 3  | 000779  | Knock Pin                          | ノックピン           | 2 |
| 4  | 3100006 | Seal Plug                          | 詰栓              | 1 |
| 5  | 3100626 | Clutch Lever Shaft Bushing (Left)  | クラッチレバー軸ブッシュ(左) | 1 |
| 6  | 0065398 | Clutch Lever Shaft Collar          | クラッチレバー軸カラー     | 1 |
| 7  | 009604  | Screw (11/64-40X5.5)               | 止ネジ             | 2 |
| 8  | 3100604 | Clutch Lever Shaft Lever           | クラッチレバー軸腕       | 1 |
| 9  | 160007  | Screw (M6-1X6)                     | 止ネジ             | 2 |
| 10 | 3100607 | Clutch Lever Shaft Bushing (Right) | クラッチレバー軸ブッシュ(右) | 1 |
| 11 | 0065395 | Oil Seal                           | オイルシール          | 1 |
| 12 | 3201081 | Clutch Lever Shaft                 | クラッチレバー軸        | 1 |
| 13 | 3201082 | Clutch Lever (Right)               | クラッチレバー(右)      | 1 |
| 14 | 120012  | Screw (M6-1X20)                    | 止ネジ             | 1 |
| 15 | 000306  | Nut                                | ナット             | 1 |
| 16 | 0060109 | Ball Stud                          | クラッチレバーロッド球     | 1 |
| 17 | 0063335 | Clutch Lever Rod                   | クラッチレバーロッド      | 1 |
| 18 | 001174  | Screw (9/64-40X10.3)               | 止ネジ             | 2 |
| 19 | 000356  | Nut (Left-handed Screw)            | ナット(左ネジ)        | 1 |
| 20 | 290015  | Rod Connection                     | ロッド連結棒          | 1 |
| 21 | 000355  | Nut                                | ナット             | 1 |
| 22 | 3201092 | Clutch Lever Rod (Front)           | クラッチレバーロッド(前)   | 1 |
| 23 | 100003  | Nut                                | ナット             | 1 |
| 24 | 000513  | Washer                             | ワッシャ            | 2 |
| 25 | 0065402 | Clutch Lever Rod Sleeve            | クラッチレバーロッドスリーブ  | 1 |
| 26 | 3201083 | Clutch Lever Pin                   | クラッチレバーピン       | 1 |
| 27 | 100018  | Wing Nut                           | チョウナット          | 1 |
| 28 | 0032921 | Clutch Driving Rod Pin             | クラッチロッドピン       | 1 |
| 29 | 160001  | Screw (M4-0.7X4)                   | 止ネジ             | 1 |
| 30 | 3100602 | Clutch Driving Rod                 | クラッチロッド         | 1 |
| 31 | 3100192 | Retaining Ring                     | ストップリング         | 1 |
| 32 | 3100623 | Roller Bearing                     | ニーデルベアリング       | 1 |
| 33 | 3100603 | Clutch Regulator, Complete Set     | クラッチ調節器(組)      | 1 |
| 34 | 3100601 | Clutch Eccentric                   | クラッチエキセン        | 1 |
| 35 | 3100600 | Clutch Regulator                   | クラッチ調節器         | 1 |
| 36 | 160003  | Screw (M5-0.8X5)                   | 止ネジ             | 2 |
| 37 | 190007  | Adjusting Screw (M5-0.8X6)         | 調節ネジ            | 1 |
| 38 | 120008  | Screw (M4-0.7X8)                   | 止ネジ             | 1 |
| 39 | 000530  | Spacer                             | スペーサ            | 1 |

"UT" DEVICE(1)

| Ref. Parts | No.     | Description           | 品名          | Req. |
|------------|---------|-----------------------|-------------|------|
| 1          | 0094478 | Lifter Lever          | 押し上げレバー     | 1    |
| 2          | 005153  | Screw(3/16-32×9)      | 鎖掛ケネジ       | 1    |
| 3          | 000542  | Washer                | ワッシャー       | 1    |
| 4          | 000346  | Nut                   | ナット         | 1    |
| 5          | 0037812 | Chain                 | 鎖           | 1    |
| 6          | 0093499 | Lifter Lever Stop     | 押し上げレバーストップ | 1    |
| 7          | 004358  | Screw(9/64-40×5.6)    | 止ネジ         | 2    |
| 8          | 3100533 | Tension Release Lever | 糸緩メ腕        | 1    |
| 9          | 120001  | Screw(M4-0.7×14)      | 止ネジ         | 1    |
| 10         | 0094387 | Tension Release Shaft | 糸緩メ軸        | 1    |

|    |         |                                  |              |   |
|----|---------|----------------------------------|--------------|---|
| 11 | 0095333 | Tension Release Block            | 糸緩メブロック      | 1 |
| 12 | 009932  | Screw(11/64-40×4)                | 止ネジ          | 1 |
| 13 | 0065460 | Tension Release Connecting Plate | 糸緩メ連結板       | 1 |
| 14 | 004351  | Screw(9/64-40×7)                 | 止ネジ          | 2 |
| 15 | 170009  | Screw(M4-0.7×4)                  | 止ネジ          | 1 |
| 16 | 0022836 | Synchroniser Positioning Pin     | ボジショナピン      | 1 |
| 17 | 0022837 | Synchroniser Cushion             | ボジショナピンクッション | 1 |
| 18 | 007610  | Screw(M4-0.7×10)                 | 止ネジ          | 2 |
| 19 | 0094491 | Cord Clamp(2H-φ3.4)              | コードクランプ      | 2 |
| 20 | 110012  | Screw(M4-0.7×5)                  | 止ネジ          | 2 |

|      |         |                             |       |   |
|------|---------|-----------------------------|-------|---|
| 21   | 3201021 | Cloth Plate(Large)          | 大カバー  | 1 |
| 22-1 | 3201025 | Looper Thread Take-up Cover | カムカバー | 1 |
| 22-2 | 3201034 | " "                         | " "   | 1 |

※ Ref.No. 23 to 50 .....See the following page.

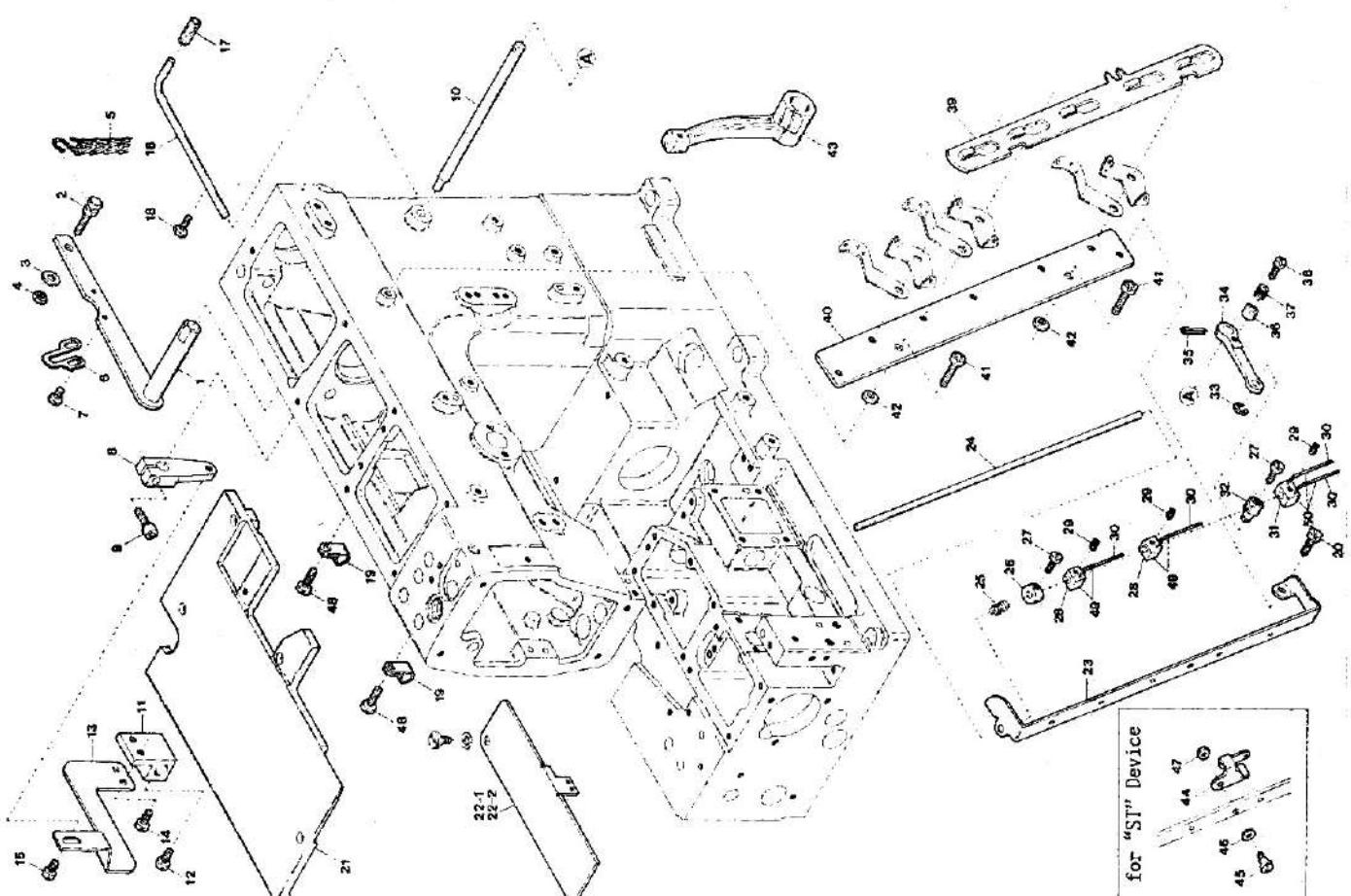
Device classification 装置の種類

| Mark | Trimming Solenoid | Wiper Solenoid | Foot Lifter Solenoid |
|------|-------------------|----------------|----------------------|
| 記号   | 0011802           | 3201027        | 3100571              |
| UT-1 | X                 | O              | X                    |
| UT-2 | O                 | O              | O                    |
| UT-3 | O                 | O              | X                    |
| UT-4 | O                 | X              | O                    |
| UT-5 | O                 | X              | X                    |
| UT-6 | X                 | X              | X                    |

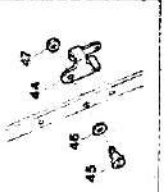
O ..... Assembled ----- 有り  
X ..... Non-assembled --- 無し

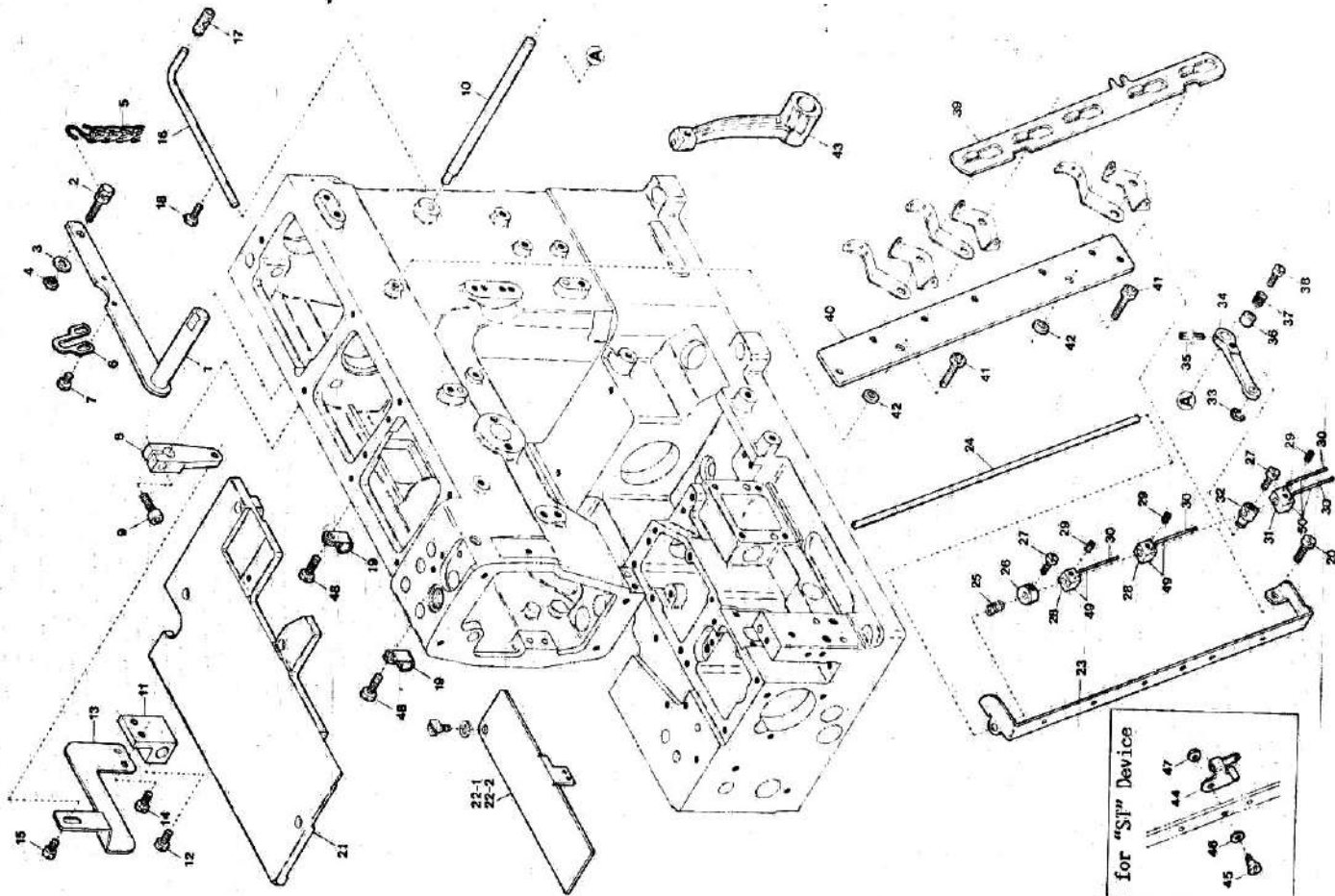
(注) ここに記載されている部品は"UT/ST"装置にも使用します。  
Remarks:Parts described hereabove are used for "UT/ST" Device.

"UT" DEVICE(1)



for "ST" Device





| No. | Ref. Parts | Description                           | 品名             | Amount | Req. |
|-----|------------|---------------------------------------|----------------|--------|------|
| 23  | 3100529    | Thread Pull-off Eyelet                | 糸緩メ糸道          | 1      | 1    |
| 24  | 0067101    | Thread Pull-off Bar                   | 糸緩メ棒           | 1      | 1    |
| 25  | 0063076    | Swing-proof Spring                    | 糸緩メ棒防振バネ       | 1      | 1    |
| 26  | 0094433    | Thread Pull-off Bar Adjusting Collar  | 糸緩メ棒調節カラー      | 1      | 1    |
| 27  | 001208     | Screw (9/64-40 X 5)                   | 止ネジ            | 2      | 2    |
| 28  | 0094380    | Thread Pull-off Block (See the table) | 糸緩メブロック (下表参照) | 1      | 1    |
| 29  | 001459     | Screw (9/64-40 X 3) (See the table)   | 止ネジ (下表参照)     | 1      | 1    |
| 30  | 0094381    | Thread Pull-off Hook (See the table)  | 糸緩メフック (下表参照)  | 1      | 1    |

|    |         |                                               |                    |   |   |
|----|---------|-----------------------------------------------|--------------------|---|---|
| 31 | 0067116 | Thread Pull-off Block (Large) (See the table) | 糸緩メブロック (大) (下表参照) | 1 | 1 |
| 32 | 0094396 | Thread Pull-off Bar Holder                    | 糸緩メ棒連結片            | 1 | 1 |
| 33 | 0033024 | Retaining Ring                                | ストッパリング            | 1 | 1 |
| 34 | 0063515 | Thread Pull-off Lever                         | 糸緩メレバー             | 1 | 1 |
| 35 | 000690  | Dowel Pin                                     | 止メピン               | 1 | 1 |
| 36 | 0094390 | Tension Release Adjusting Eccentric           | 糸緩メ板調節偏心           | 1 | 1 |
| 37 | 0095334 | Swing-proof Spring                            | 糸緩メ板防振バネ           | 1 | 1 |
| 38 | 001170  | Screw (9/64-40 X 12)                          | 止ネジ                | 1 | 1 |
| 39 | 3100528 | Tension Disc Separator                        | 糸緩メ板               | 1 | 1 |
| 40 | 3100527 | Tension Post Support                          | 糸緩メ子台              | 1 | 1 |

|    |         |                                              |                      |   |   |
|----|---------|----------------------------------------------|----------------------|---|---|
| 41 | 110014  | Screw (M4-0.7 X 18)                          | 止ネジ                  | 2 | 2 |
| 42 | 000505  | Spacer                                       | スペーサ                 | 2 | 2 |
| 43 | 3201025 | Looper Holder                                | ルーパー台                | 1 | 1 |
| 44 | 3100711 | Top Cover Thread Eyelet                      | 飾り糸道                 | 1 | 1 |
| 45 | 006035  | Screw (9/64-40 X 7)                          | 止ネジ                  | 1 | 1 |
| 46 | 000644  | Spring Washer                                | スプリングワッシャ            | 1 | 1 |
| 47 | 000322  | Nut                                          | ナット                  | 1 | 1 |
| 48 | 110013  | Screw (M4-0.7 X 8)                           | 止ネジ                  | 1 | 1 |
| 49 | 3101275 | Thread Pull-off Hook, C. Set (See the table) | 糸緩メフック (C. 組) (下表参照) | 2 | 2 |
| 50 | 3101276 | Thread Pull-off Hook, C. Set (See the table) | 糸緩メフック (C. 組) (下表参照) | 2 | 2 |

※ Ref.No.1 to 22 ..... See the preceding page.

| Parts No                  | 0094380 | 001459 | 0094381 | 0067116 | 3101275 | 3101276 |
|---------------------------|---------|--------|---------|---------|---------|---------|
| 2 Needle without Spreader | 2 pcs.  | 3 pcs. | 4 pcs.  | 1 pc.   | 2 pcs.  | 1 pc.   |
| 3 Needle without Spreader | 3       | 4      | 5       | 1       | 3       | 1       |
| 2 Needle with Spreader    | 2       | 4      | 6       | 2       | 2       | 2       |
| 3 Needle with Spreader    | 3       | 5      | 7       | 2       | 3       | 2       |

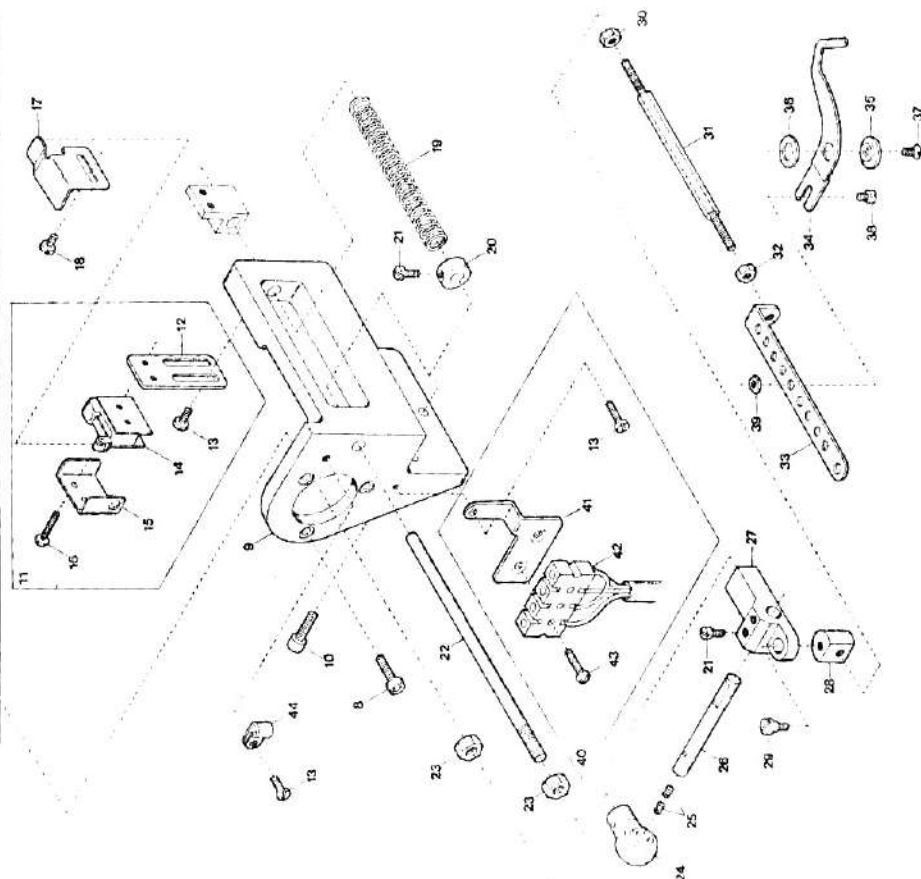
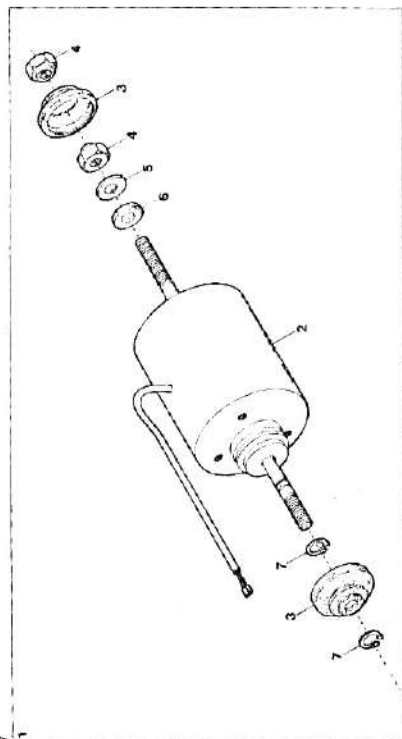
(注) ここに記載されている部品は"UT/ST"装置にも使用します。  
Remarks: Parts described here shall be used also for "UT/ST" Device.

## Ref. Parts

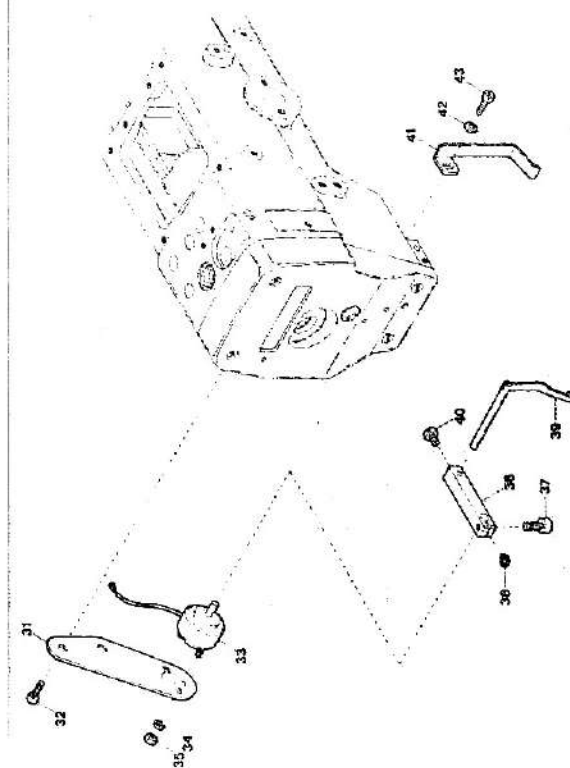
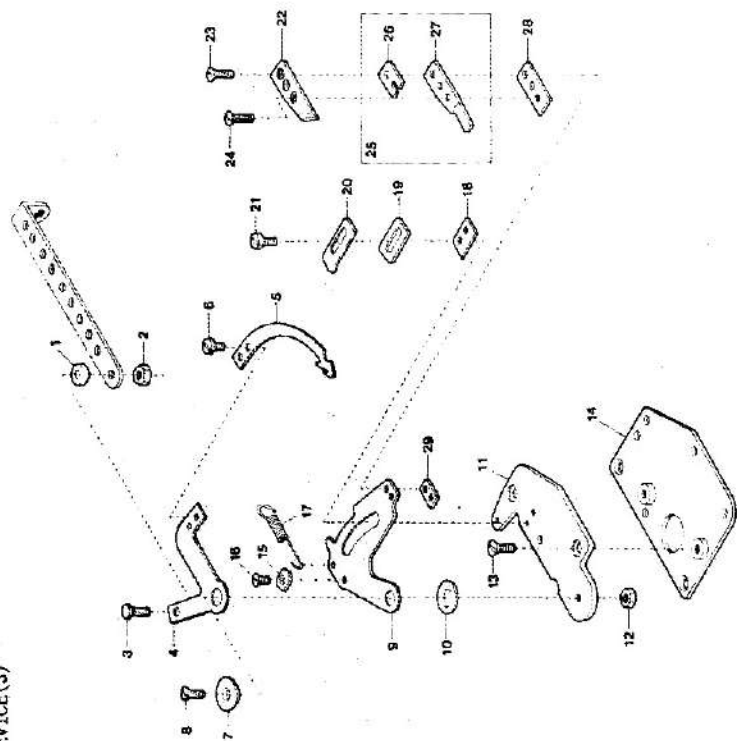
| Ref. No. | Parts No. | Description                     | 品名           | Ant. Req. |
|----------|-----------|---------------------------------|--------------|-----------|
| 1        | 0011802   | Trimming Solenoid, Complete Set | 糸切りソレノイド(組)  | 1         |
| 2        | 0011801   | Trimming Solenoid               | 糸切りソレノイド     | 1         |
| 3        | 0063579   | Solenoid Dustproof Cover        | ソレノイド防塵カバー   | 2         |
| 4        | 000140    | Nut                             | ナット          | 2         |
| 5        | 000598    | Washer                          | ワシヤ          | 1         |
| 6        | 000597    | Anti-shock Rubber               | 緩衝ゴム         | 1         |
| 7        | 0077410   | Retaining Ring                  | ストッパリング      | 2         |
| 8        | 005650    | Screw (M5-0.8×14)               | 止ネジ          | 3         |
| 9        | 0095335   | Trimming Solenoid Support       | ソレノイド取付台     | 1         |
| 10       | 120013    | Screw (M6-1×15)                 | 止ネジ          | 3         |
| 11       | 0063610   | Switch, Complete Set            | スイッチ(組)      | 1         |
| 12       | 0063607   | Switch Support                  | スイッチ取付板      | 1         |
| 13       | 004353    | Screw (9/64-40×7)               | 止ネジ          | 4         |
| 14       | 0063606   | Switch                          | スイッチ         | 1         |
| 15       | 0063609   | Switch Cover                    | スイッチカバー      | 1         |
| 16       | 009934    | Screw (M2.3-0.4×10)             | 止ネジ          | 2         |
| 17       | 0063608   | Switch Guide                    | スイッチガイド      | 1         |
| 18       | 001227    | Screw (1/8-44×3.8)              | 止ネジ          | 2         |
| 19       | 0095336   | Solenoid Return Spring          | ソレノイド戻シバネ    | 1         |
| 20       | 0093491   | Collar                          | ソレノイド戻シバネカラー | 1         |
| 21       | 009508    | Screw (11/64-40×7.5)            | 止ネジ          | 3         |
| 22       | 0095337   | Solenoid Return Shaft           | ソレノイド戻シシャフト  | 1         |
| 23       | 000145    | Nut                             | ナット          | 2         |
| 24       | 0095388   | Plunger Connecting Rod          | プランジャロッド     | 1         |
| 25       | 001457    | Packing Screw (11/64-40×3.3)    | 詰ネジ          | 2         |
| 26       | 0095389   | Plunger Connecting Rod Pin      | プランジャロッドピン   | 1         |
| 27       | 0095390   | Plunger                         | プランジャ        | 1         |
| 28       | 0095391   | Trimming Connector              | 連結桿継手        | 1         |
| 29       | 005058    | Screw (7/32-32×6)               | 止ネジ          | 1         |
| 30       | 000356    | Nut (Left-handed Screw)         | ナット(左ネジ)     | 1         |
| 31       | 0094356   | Trimming Connecting Rod (Right) | 糸切り連結桿(右)    | 1         |
| 32       | 000355    | Nut                             | ナット          | 1         |
| 33       | 0094357   | Trimming Connecting Rod (Left)  | 糸切り連結桿(左)    | 1         |
| 34       | 3201024   | Looper Thread Take-up           | ルーパー糸繰り      | 1         |
| 35       | 0095340   | Trimming Holder Ring            | メス台リング       | 1         |
| 36       | 0095357   | Space Ring                      | スペースリング      | 1         |
| 37       | 005243    | Screw (11/64-40×6.2)            | 止ネジ          | 1         |
| 38       | 006621    | Screw (11/64-40×4.7)            | 止ネジ          | 1         |
| 39       | 000340    | Nut                             | ナット          | 1         |
| 40       | 3201020   | Terminal Holder, Complete Set   | 端子台(組)       | 1         |
| 41       | 3100535   | Terminal Holder Support         | 端子台取付板       | 1         |
| 42       | 0053586   | Terminal Holder                 | 端子台          | 1         |
| 43       | 0099985   | Screw (M2.5-0.45×10)            | 止ネジ          | 2         |
| 44       | 0036133   | Cord Clamp (5N-φ8.4)            | コードクランプ      | 1         |

(注) ここに記載されている部品は"UT/ST"装置にも使用します。

Remarks: Parts described here shall be used also for "UT/ST" Device.



## "UT" DEVICE (3)



## "UT" DEVICE (3)

| Ref. | Parts   | Description                      | 品名           | 25   |
|------|---------|----------------------------------|--------------|------|
| No.  | No.     |                                  |              | Req. |
| 1    | 0094358 | Lower Knife Carrier Connector    | 下メス台継手       | 1    |
| 2    | 000338  | Nut                              | ナット          | 1    |
| 3    | 005526  | Screw (5/32-40×9.3)              | 止ネジ          | 1    |
| 4    | 0095342 | Lower Knife Carrier              | 下メス台         | 1    |
| 5    | 0095399 | Lower Knife                      | 下メス          | 1    |
| 6    | 005044  | Screw (1/8-44×2.4)               | 止ネジ          | 2    |
| 7    | 0095340 | Trimming Holder Ring             | メス台リング       | 1    |
| 8    | 005345  | Screw (11/64-40×8.3)             | 止ネジ          | 1    |
| 9    | 0095341 | Upper Knife Carrier              | 上メス台         | 1    |
| 10   | 0095343 | Space Ring                       | 上メススリング      | 1    |
| 11   | 3201023 | Trimming Device Basement         | UT装置取付板      | 1    |
| 12   | 000340  | Nut                              | ナット          | 1    |
| 13   | 130003  | Screw (M4-0.7×7.3)               | 止ネジ          | 1    |
| 14   | 3201022 | Bed Top Cover (Right)            | ベッド上カバー(右)   | 2    |
| 15   | 0084410 | Hexagonal Stop Plate             | 下メス台ストップパ    | 1    |
| 16   | 005431  | Screw (1/8-44×4.4)               | 止ネジ          | 1    |
| 17   | 0094477 | Lower Knife Carrier Spring       | 下メス台バネ       | 1    |
| 18   | 0094418 | Stop Washer                      | ストップワッシャ     | 1    |
| 19   | 0094403 | Upper Knife Carrier Stop (Small) | 上メス台ストップパ(小) | 1    |
| 20   | 0094405 | Upper Knife Carrier Stop (Large) | 上メス台ストップパ(大) | 1    |
| 21   | 004317  | Screw (1/8-44×4.8)               | 止ネジ          | 2    |
| 22   | 0094417 | Upper Knife                      | 上メス          | 1    |
| 23   | 005112  | Screw (3/32-56×6)                | 止ネジ          | 1    |
| 24   | 005422  | Screw (3/32-56×4)                | 止ネジ          | 1    |
| 25   | 0095362 | Clamp Spring, Complete Set       | 糸挟ミバネ(組)     | 1    |
| 26   | 0094415 | Upper Knife Spacer               | 上メススベ一サ      | 1    |
| 27   | 0095361 | Clamp Spring                     | 糸挟ミバネ        | 1    |
| 28   | 0094413 | Clamp Spring Counter Plate       | 糸挟ミバネ調整片     | 1    |
| 29   | 0094412 | Upper Knife Holder               | 上メス取付片       | 1    |
| 30   | 3201027 | Wiper Mechanism, Complete Set    | ワイパ装置(組)     | 1    |
| 31   | 3201028 | Solenoid Support                 | ソレノイド取付台     | 1    |
| 32   | 120006  | Screw (M6-1×12)                  | 止ネジ          | 2    |
| 33   | 0011737 | Solenoid                         | ソレノイド        | 1    |
| 34   | 000002  | Spring Washer                    | スプリングワッシャ    | 2    |
| 35   | 000012  | Nut                              | ナット          | 2    |
| 36   | 3201033 | Wiper Solenoid Lever             | ワイパソレノイドレバ一  | 1    |
| 37   | 120018  | Screw (M4-0.7×10)                | 止ネジ          | 1    |
| 38   | 000417  | Spacer (Fiber)                   | スベ一サ(ファイバ)   | 1    |
| 39   | 0095359 | Wiper                            | ワイパ          | 1    |
| 40   | 110003  | Screw (M3.5-0.6×6)               | 止ネジ          | 1    |
| 41   | 3201032 | Thread Clamp Spring Plate        | 糸挟ミバネ        | 1    |
| 42   | 000541  | Washer                           | ワッシャ         | 1    |
| 43   | 110009  | Screw (M4-0.7×8)                 | 止ネジ          | 1    |

## "UT" DEVICE (4)

Ref. Parts

| No. | No.     |
|-----|---------|
| 1   | 3100571 |
| 2   | 3100570 |
| 3   | 000070  |
| 4   | 000162  |
| 5   | 000016  |
| 6   | 009865  |
| 7   | 000676  |
| 8   | 0011733 |
| 9   | 009970  |
| 10  | 000011  |
| 11  | 000528  |
| 12  | 000588  |
| 13  | 000306  |
| 14  | 0064045 |
| 15  | 0064046 |
| 16  | 0035301 |
| 17  | 0033024 |
| 18  | 0064047 |
| 19  | 009853  |
| 20  | 0032786 |
| 21  | 0037912 |

(注) ここに記載されている部品は"UT/ST"装置にも使用します。

Remarks: Parts described here shall be used also for "UT/ST" Device.

## "UT"装置 (4)

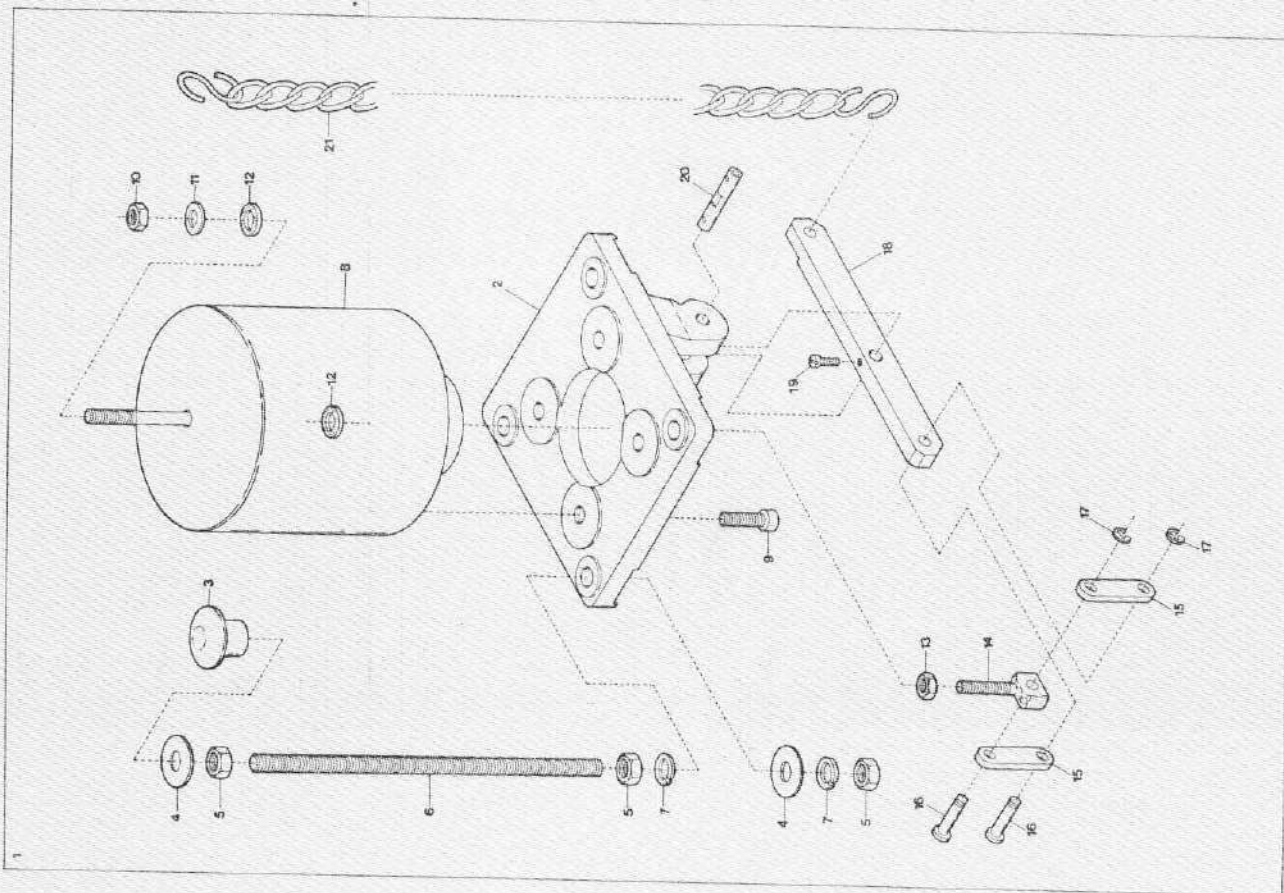
26

Description

品名

Amt. Req.

|                                      |               |    |
|--------------------------------------|---------------|----|
| Presser Foot Lifter Solenoid, C. Set | 押エ場ゲソレノイド (組) | 1  |
| Solenoid Support                     | ソレノイド台        | 1  |
| Hanging Nut                          | 吊リナット         | 4  |
| Washer                               | ワッシャ          | 8  |
| Nut                                  | ナット           | 12 |
| Hanging Bolt                         | 吊リボルト         | 4  |
| Spring Washer                        | スプリングワッシャ     | 8  |
| Presser Foot Lifter Solenoid         | 押エ場ゲソレノイド     | 1  |
| Screw (M6-1×20)                      | 止ネジ           | 4  |
| Nut                                  | ナット           | 1  |
| Washer                               | ワッシャ          | 1  |
| Anti-shock Rubber                    | 緩衝ゴム          | 2  |
| Nut                                  | ナット           | 1  |
| Lifter Connecting Rod                | 押エ場が連結桿       | 1  |
| Lifter Connecting Link               | 押エ場がリンク       | 2  |
| Connecting Link Pin                  | 押エ場がリンクピン     | 2  |
| Retaining Ring                       | ストップリング       | 2  |
| Presser Foot Lifter Solenoid Lever   | 押エ場ゲソレノイドレバー  | 1  |
| Screw (11/64-40×6.5)                 | 止ネジ           | 1  |
| Solenoid Lever Pin                   | ソレノイドレバーピン    | 1  |
| Chain                                | 鎖             | 1  |

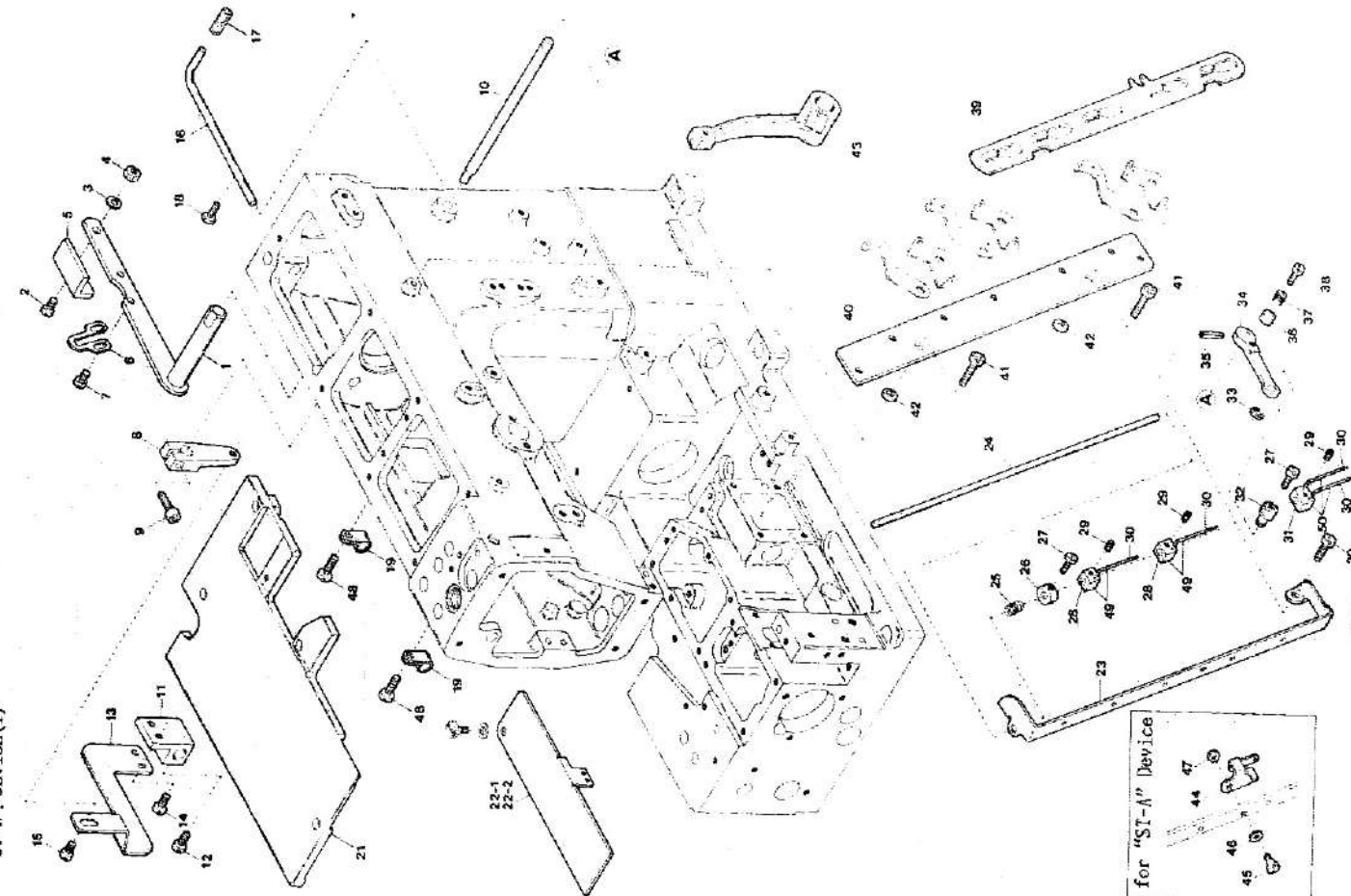


"UT" DEVICE (4)

## "UT-A" DEVICE(1)

## "UT-A" DEVICE(1)

Ref. Parts



## "UT-A"装置(1)

28

Amt. Req.

| No.  | Description                      | 品名           |
|------|----------------------------------|--------------|
| 1    | Lifter Lever                     | 押上げレバー       |
| 2    | Screw(M5-0.8×14)                 | 止ネジ          |
| 3    | Washer                           | ワッシャ         |
| 4    | Nut                              | ナット          |
| 5    | Lifter Lever Supplementary Plate | 押上げレバー補助板    |
| 6    | Lifter Lever Stop                | 押上げレバーストップ   |
| 7    | Screw(9/64-40×5.6)               | 止ネジ          |
| 8    | Tension Release Lever            | 糸緩メ腕         |
| 9    | Screw(M4-0.7×14)                 | 止ネジ          |
| 10   | Tension Release Shaft            | 糸緩メ軸         |
| 11   | Tension Release Block            | 糸緩メブロック      |
| 12   | Screw(11/64-40×4)                | 止ネジ          |
| 13   | Tension Release Connecting Plate | 糸緩メ連結板       |
| 14   | Screw(9/64-40×7)                 | 止ネジ          |
| 15   | Screw(M4-0.7×4)                  | 止ネジ          |
| 16   | Synchroniser Positioning Pin     | ボジショナピン      |
| 17   | Synchroniser Cushion             | ボジショナピンクッション |
| 18   | Screw(M4-0.7×10)                 | 止ネジ          |
| 19   | Cord Clamp(2N-φ3.4)              | コードクランプ      |
| 20   | Screw(M4-0.7×5)                  | 止ネジ          |
| 21   | Cloth Plate(Large)               | 大カバー         |
| 22-1 | Looper Thread Take-up Cover      | カムカバー        |
| 22-2 | "                                | "            |

※ Ref.No. 23 to 50 .....See the following page.

## Device classification 装置の種類

| Mark  | Trimming Cylinder | Wiper | Foot Lifter Cylinder |
|-------|-------------------|-------|----------------------|
| 記号    | 1091002           | ----- | 3201035              |
| UT-A1 | ×                 | ○     | ×                    |
| UT-A2 | ○                 | ○     | ○                    |
| UT-A3 | ○                 | ○     | ×                    |
| UT-A4 | ○                 | ×     | ○                    |
| UT-A5 | ○                 | ×     | ×                    |

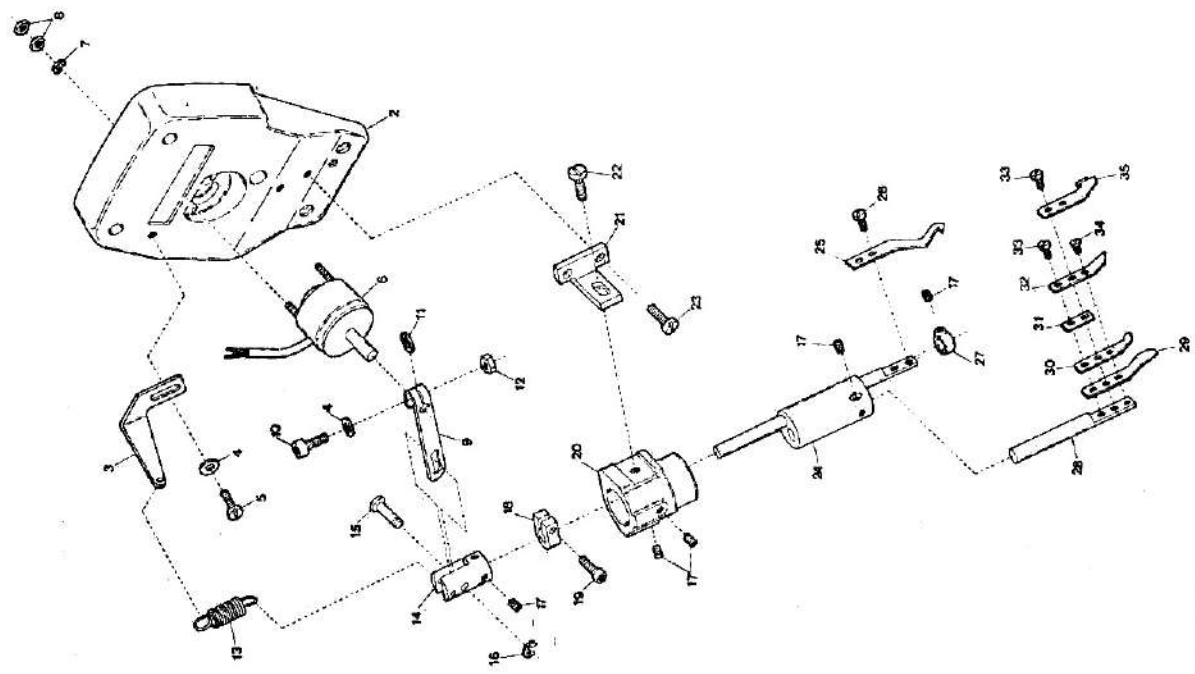
○ ..... Assembled ----- 有り  
 × ..... Non-assembled ----- 無し

(注) ワイパーはエア吹き付け式になっておりエアシリンダを使用していません。  
 Remarks:For Wiper, the air blowing system is used instead of Air Cylinder.

(注) ここに記載されている部品は"UT-A/ST-A"装置にも使用します。  
 Remarks:Parts described hereabove are used for "UT-A/ST-A" Device,

"UT/ST" DEVICE

"UT/ST" DEVICE



"UT/ST"装置

| Ref. No. | Parts No. | Description                         | 品名         | Req. |
|----------|-----------|-------------------------------------|------------|------|
| 1        | 3209930   | Trimming Device, Complete Set       | メス装置(組)    | 1    |
| 2        | 3201043   | Head Cover                          | ヘッドカバー     | 1    |
| 3        | 0096025   | Solenoid Return Spring Hanger       | バネ掛け       | 1    |
| 4        | 000554    | Washer                              | ワッシャー      | 2    |
| 5        | 110009    | Screw(M4-0.7×8)                     | 止ネジ        | 1    |
| 6        | 0011498   | Solenoid                            | ソレノイド      | 1    |
| 7        | 000644    | Spring Washer                       | スプリングワッシャー | 2    |
| 8        | 000022    | Nut                                 | ナット        | 4    |
| 9        | 3100702   | Solenoid Lever                      | ソレノイドレバー   | 1    |
| 10       | 120001    | Screw(M4-0.7×14)                    | 止ネジ        | 1    |
| 11       | 000418    | Packing Piece                       | ファイバーパッキン  | 1    |
| 12       | 100001    | Nut                                 | ナット        | 1    |
| 13       | 0096025   | Solenoid Return Spring              | ソレノイド戻シバネ  | 1    |
| 14       | 0096022   | Solenoid Connecting Block           | ソレノイド連結台   | 1    |
| 15       | 0096023   | Solenoid Lever Pin                  | ソレノイドレバーピン | 1    |
| 16       | 0034293   | Retaining Ring                      | ストップリング    | 1    |
| 17       | 003638    | Screw(11/64-40×4)                   | 止ネジ        | 7    |
| 18       | 3100703   | Movable Trimming Knife Shaft Collar | 動メス軸カラー    | 1    |
| 19       | 120009    | Screw(M4-0.7×12)                    | 止ネジ        | 1    |
| 20       | 0096020   | Knife Guide Holder                  | メスガイド台     | 1    |
| 21       | 3201042   | Knife Guide Holder Bracket          | メスガイド台取付台  | 1    |
| 22       | 004475    | Screw(3/16-32×7.9)                  | 止ネジ        | 1    |
| 23       | 110011    | Screw(M5-0.8×10)                    | 止ネジ        | 1    |
| 24       | 0096018   | Movable Trimming Knife Shaft Unit   | 動メス軸(組)    | 2    |
| 25       | 3100708   | Movable Trimming Knife              | 動メス        | 1    |
| 26       | 001227    | Screw(1/8-44×3.8)                   | 止ネジ        | 2    |
| 27       | 0096027   | Movable Trimming Knife Shaft Collar | 動メス軸カラー    | 1    |
| 28       | 3100707   | Fixed Trimming Knife Shaft          | 固定メス軸      | 1    |
| 29       | 3100710   | Thread Clamp Spring(Lower)          | 糸挟ミバネ(下)   | 1    |
| 30       | 0096013   | Knife Press Adjusting Spring        | メス圧調節バネ    | 1    |
| 31       | 0096012   | Fixed Trimming Knife Spacer         | 固定メススペーサ   | 1    |
| 32       | 0096010   | Fixed Trimming Knife                | 固定メス       | 1    |
| 33       | 001196    | Screw(1/8-44×6)                     | 止ネジ        | 2    |
| 34       | 005112    | Adjusting Screw(3/32-56×5.5)        | 調節ネジ       | 1    |
| 35       | 3100709   | Thread Clamp Spring                 | 糸挟ミバネ      | 1    |

(注) "UT/ST"装置にはここに記載されている部品と表題 No.23, 24, 25, 26 の部品も使用します。

Remarks: For UT/ST Device, parts described hereabove and also those of Title No.23, 24, 25 and 26 are used.

## "UT-A" DEVICE (1)

## "UT-A" DEVICE (1)

## "UT-A"装置(1)

28

Amt.  
Req.

## Ref. Parts

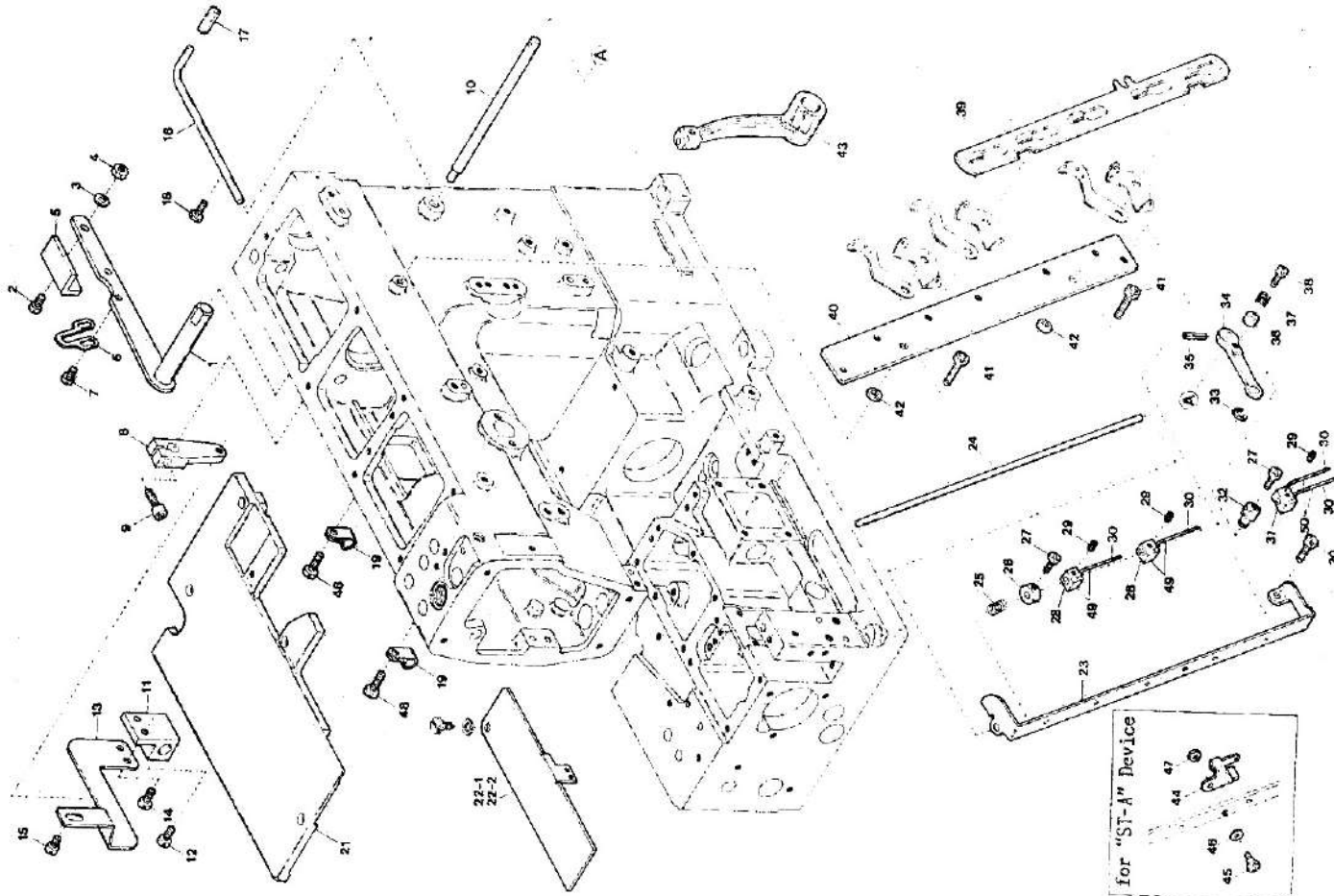
| No. | No.     | Description                                   | 品名                   |
|-----|---------|-----------------------------------------------|----------------------|
| 23  | 3100529 | Thread Pull-off Eyelet                        | 糸緩メ糸道                |
| 24  | 0067101 | Thread Pull-off Bar                           | 糸緩メ棒                 |
| 25  | 0063076 | Swing-proof Spring                            | 糸緩メ棒防振バネ             |
| 26  | 0094433 | Thread Pull-off Bar Adjusting Collar          | 糸緩メ棒調節カラー            |
| 27  | 001208  | Screw (9/64-40 X 5)                           | 止ネジ                  |
| 28  | 0094380 | Thread Pull-off Block (See the table)         | 糸緩メブロック (下表参照)       |
| 29  | 001459  | Screw (9/64-40 X 3) (See the table)           | 止ネジ (下表参照)           |
| 30  | 0094381 | Thread Pull-off Hook (See the table)          | 糸緩メフック (下表参照)        |
| 31  | 0067116 | Thread Pull-off Block (Large) (See the table) | 糸緩メブロック (大) (下表参照)   |
| 32  | 0094396 | Thread Pull-off Bar Holder                    | 糸緩メ棒連結片              |
| 33  | 0033024 | Retaining Ring                                | ストップリング              |
| 34  | 0063515 | Thread Pull-off Lever                         | 糸緩メレバー               |
| 35  | 000690  | Dowel Pin                                     | 止メピン                 |
| 36  | 0094390 | Tension Release Adjusting Eccentric           | 糸緩メ板調節コロ             |
| 37  | 0095334 | Swing-proof Spring                            | 糸緩メ板防振バネ             |
| 38  | 001170  | Screw (9/64-40 X 12)                          | 止ネジ                  |
| 39  | 3100528 | Tension Disc Separator                        | 糸緩メ板                 |
| 40  | 3100527 | Tension Post Support                          | 糸緩メ子台                |
| 41  | 110014  | Screw (M4-0.7 X 18)                           | 止ネジ                  |
| 42  | 000505  | Spacer                                        | スペーサ                 |
| 43  | 3201026 | Looper Holder                                 | ルーパー台                |
| 44  | 3100711 | Top Cover Thread Eyelet                       | 飾り糸道                 |
| 45  | 006035  | Screw (9/64-40 X 7)                           | 止ネジ                  |
| 46  | 000644  | Spring Washer                                 | スプリングワッシャ            |
| 47  | 000322  | Nut                                           | ナット                  |
| 48  | 110013  | Screw (M4-0.7 X 8)                            | 止ネジ                  |
| 49  | 3101275 | Thread Pull-off Hook, C. Set (See the table)  | 糸緩メフック (C. 組) (下表参照) |
| 50  | 3101276 | Thread Pull-off Hook, C. Set (See the table)  | 糸緩メフック (C. 組) (下表参照) |

※ Ref.No.1 to 22 .....See the preceding page.

| Parts No.                 | 0094380     | 001459      | 0094381     | 0067116    | 3101275     | 3104276    |
|---------------------------|-------------|-------------|-------------|------------|-------------|------------|
| 2 Needle without Spreader | 2 個<br>pcs. | 3 個<br>pcs. | 4 個<br>pcs. | 1 個<br>pc. | 2 個<br>pcs. | 1 個<br>pc. |
| 3 Needle without Spreader | 3           | 4           | 5           | 1          | 3           | 1          |
| 2 Needle with Spreader    | 2           | 4           | 6           | 2          | 2           | 2          |
| 3 Needle with Spreader    | 3           | 5           | 7           | 2          | 3           | 2          |

(注) ここに記載されている部品は"UT-A/ST-A"装置にも使用します。

Remarks: Parts described here shall be used also for "UT-A/ST-A" Device.



## "UT-A" DEVICE (2)

Ref. Parts

| No. | No.     | Description                     | 品名         | Req. |
|-----|---------|---------------------------------|------------|------|
| 1   | 1091002 | Trimming Cylinder, Complete Set | 糸切りシリンダ(組) | 1    |
| 2   | 0010340 | Trimming Cylinder               | 糸切りシリンダ    | 1    |
| 3   | 0010357 | Elbow Connector                 | エルボ継手      | 1    |
| 4   | 0010143 | Silencer                        | サイレンサ      | 1    |
| 5   | 000389  | Spacer                          | スペーサ       | 1    |
| 6   | 0014120 | Anti-shock Rubber               | 緩衝ゴム       | 1    |
| 7   | 0033104 | Collar                          | カラー        | 1    |
| 8   | 005550  | Screw (11/64-40X13.5)           | 止ネジ        | 1    |
| 9   | 0096355 | Cylinder Bracket                | シリンダブラケット  | 1    |
| 10  | 005650  | Screw (M5-0.8X14)               | 止ネジ        | 3    |

|    |         |                           |         |   |
|----|---------|---------------------------|---------|---|
| 11 | 0095335 | Trimming Cylinder Support | シリンダ取付台 | 1 |
| 12 | 120013  | Screw (M6-1X15)           | 止ネジ     | 1 |
| 13 | 0063610 | Switch, Complete Set      | スイッチ(組) | 3 |
| 14 | 0063607 | Switch Support            | スイッチ取付板 | 1 |
| 15 | 004353  | Screw (9/64-40X7)         | 止ネジ     | 1 |
| 16 | 0063606 | Switch                    | スイッチ    | 3 |
| 17 | 0063609 | Switch Cover              | スイッチカバー | 1 |
| 18 | 009984  | Screw (M2.3-0.4X10)       | 止ネジ     | 1 |
| 19 | 0063608 | Switch Guide              | スイッチガイド | 2 |
| 20 | 001227  | Screw (1/8-44X3.8)        | 止ネジ     | 1 |

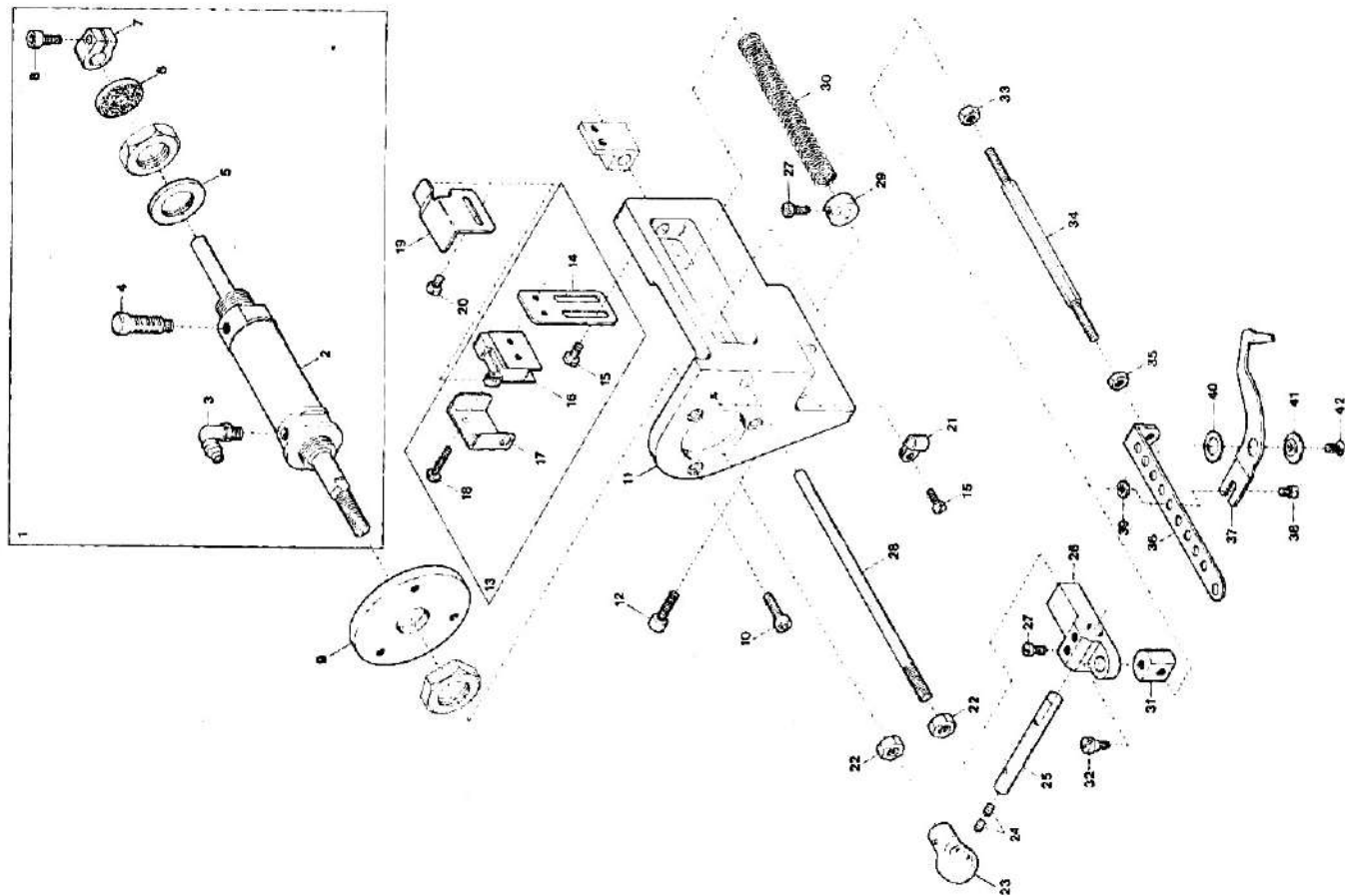
|    |         |                              |             |   |
|----|---------|------------------------------|-------------|---|
| 21 | 0035133 | Cord Clamp (5N-φ8.4)         | コードクランプ     | 1 |
| 22 | 000145  | Nut                          | ナット         | 2 |
| 23 | 0095388 | Plunger Connecting Rod       | プランジャロッド    | 1 |
| 24 | 001457  | Packing Screw (11/64-40X3.3) | 詰ネジ         | 2 |
| 25 | 0095389 | Plunger Connecting Rod Pin   | プランジャロッドピン  | 1 |
| 26 | 0095390 | Plunger                      | プランジャ       | 1 |
| 27 | 009508  | Screw (11/64-40X7.5)         | 止ネジ         | 1 |
| 28 | 0095337 | Cylinder Return Shaft        | シリンダ戻シヤフト   | 3 |
| 29 | 0093491 | Collar                       | シリンダ戻シヤネカラー | 1 |
| 30 | 0095336 | Cylinder Return Spring       | シリンダ戻シヤバネ   | 1 |

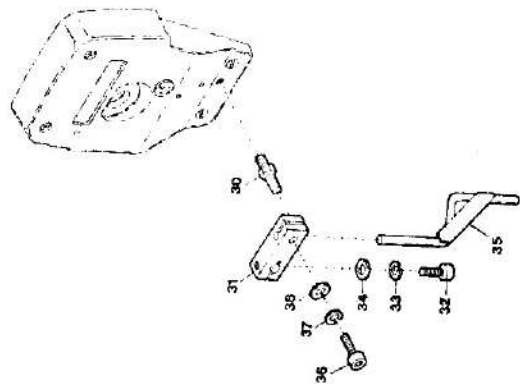
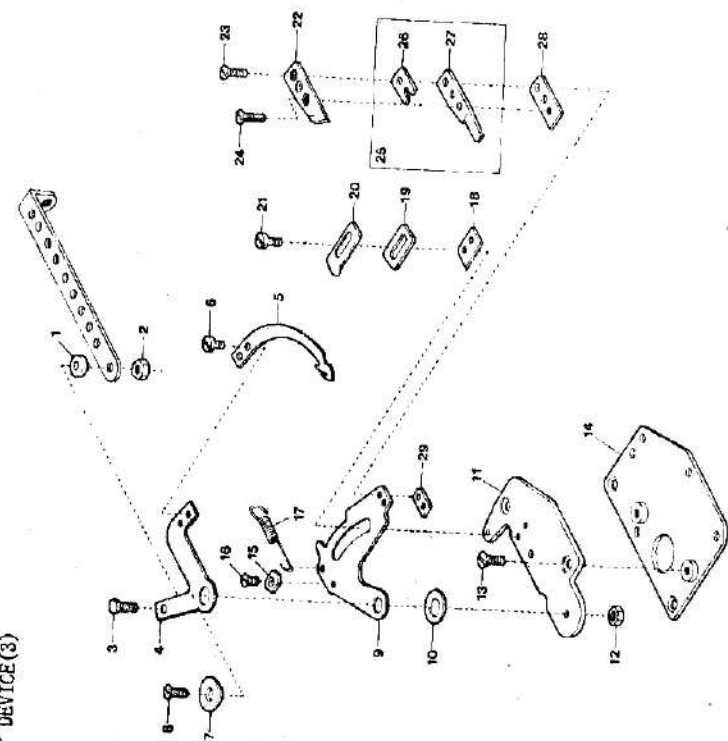
|    |         |                                 |           |   |
|----|---------|---------------------------------|-----------|---|
| 31 | 0095391 | Trimming Connector              | 連結棒継手     | 1 |
| 32 | 006058  | Screw (7/32-32X6)               | 止ネジ       | 1 |
| 33 | 000355  | Nut (Left-handed Screw)         | ナット(左ネジ)  | 1 |
| 34 | 0094355 | Trimming Connecting Rod (Right) | 糸切り連結棒(右) | 1 |
| 35 | 000355  | Nut                             | ナット       | 1 |
| 36 | 0094357 | Trimming Connecting Rod (Left)  | 糸切り連結棒(左) | 1 |
| 37 | 3201024 | Looper Thread Take-up           | ルーパー糸繰り   | 1 |
| 38 | 009621  | Screw (11/64-40X4.7)            | 止ネジ       | 1 |
| 39 | 000340  | Nut                             | ナット       | 1 |
| 40 | 0095357 | Space Ring                      | スペースリング   | 1 |

|    |         |                      |        |   |
|----|---------|----------------------|--------|---|
| 41 | 0095340 | Trimming Holder Ring | メス台リング | 1 |
| 42 | 005343  | Screw (11/64-40X6.2) | 止ネジ    | 1 |

(注) ここに記載されている部品は"UT-A/ST-A"装置にも使用します。

Remarks: Parts described here shall be used also for "UT-A/ST-A" Device.





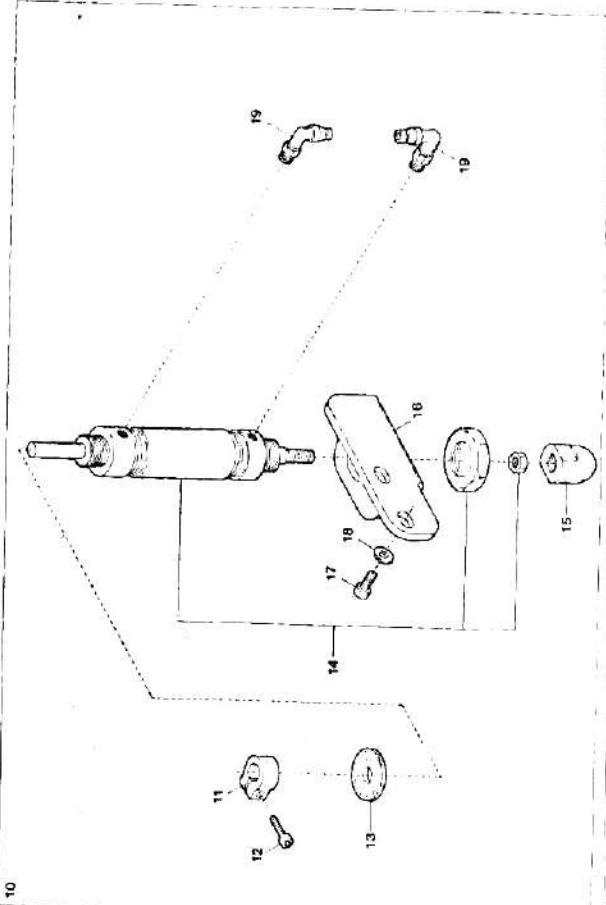
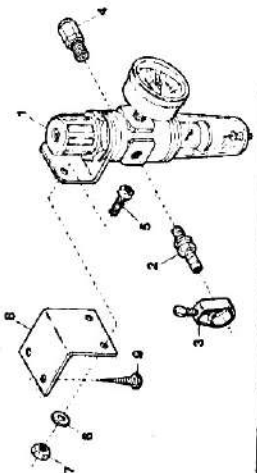
| Ref. No. | Parts No. | Description                      | 品名            | Req. |
|----------|-----------|----------------------------------|---------------|------|
| 1        | 0094358   | Lower Knife Carrier Connector    | 下メス台継手        | 1    |
| 2        | 000338    | Nut                              | ナット           | 1    |
| 3        | 005526    | Screw (5/32-40 X 9.3)            | 止ネジ           | 1    |
| 4        | 0095342   | Lower Knife Carrier              | 下メス台          | 1    |
| 5        | 0095399   | Lower Knife                      | 下メス           | 1    |
| 6        | 005044    | Screw (1/8-44 X 2.4)             | 止ネジ           | 2    |
| 7        | 0095340   | Trimming Holder Ring             | メス台リング        | 1    |
| 8        | 005345    | Screw (11/64-40 X 8.3)           | 止ネジ           | 1    |
| 9        | 0095341   | Upper Knife Carrier              | 上メス台          | 1    |
| 10       | 0095343   | Space Ring                       | スペーススリング      | 1    |
| 11       | 3201023   | Trimming Device Base             | UT装置取付板       | 1    |
| 12       | 000340    | Nut                              | ナット           | 1    |
| 13       | 130003    | Screw (M4-0.7 X 7.3)             | 止ネジ           | 2    |
| 14       | 3201022   | Bed Top Cover (Right)            | ベッド上カバー (右)   | 1    |
| 15       | 0094410   | Hexagonal Stop Plate             | 下メス台ストップパ     | 1    |
| 16       | 005431    | Screw (1/8-44 X 4.4)             | 止ネジ           | 1    |
| 17       | 0094477   | Lower Knife Carrier Spring       | 下メス台バネ        | 1    |
| 18       | 0094418   | Stop Washer                      | ストップワッシャ      | 1    |
| 19       | 0094403   | Upper Knife Carrier Stop (Small) | 上メス台ストップパ (小) | 1    |
| 20       | 0094406   | Upper Knife Carrier Stop (Large) | 上メス台ストップパ (大) | 1    |
| 21       | 004317    | Screw (1/8-44 X 4.8)             | 止ネジ           | 2    |
| 22       | 0094417   | Upper Knife                      | 上メス           | 1    |
| 23       | 005112    | Screw (3/32-56 X 6)              | 止ネジ           | 1    |
| 24       | 005422    | Screw (3/32-56 X 4)              | 止ネジ           | 2    |
| 25       | 0095362   | Clamp Spring, Complete Set       | 糸挟ミバネ (組)     | 1    |
| 26       | 0094415   | Upper Knife Spacer               | 上メスベ一サ        | 1    |
| 27       | 0095361   | Clamp Spring                     | 糸挟ミバネ         | 1    |
| 28       | 0094413   | Clamp Spring Counter Plate       | 糸挟ミバネ調節片      | 1    |
| 29       | 0094412   | Upper Knife Holder               | 上メス取付片        | 1    |
| 30       | 190009    | Screw (M4-0.7 X 7)               | 止ネジ           | 1    |
| 31       | 0096358   | Air Wiper Bracket                | エアワイバ取付台      | 1    |
| 32       | 009747    | Screw (M4-0.7 X 10)              | 止ネジ           | 1    |
| 33       | 000644    | Spring Washer                    | スプリングワッシャ     | 1    |
| 34       | 000532    | Washer                           | ワッシャ          | 1    |
| 35       | 0096357   | Air Wiper                        | エアワイバ         | 1    |
| 36       | 009744    | Screw (M3-0.5 X 10)              | 止ネジ           | 1    |
| 37       | 000002    | Spring Washer                    | スプリングワッシャ     | 1    |
| 38       | 000014    | Washer                           | ワッシャ          | 1    |

“UT-A” DEVICE(4)

“UT-A” DEVICE(4)

Ref. Parts

| No. | No.     |
|-----|---------|
| 1   | 0010073 |
| 2   | 0010108 |
| 3   | 0033939 |
| 4   | 0010264 |
| 5   | 009973  |
| 6   | 000669  |
| 7   | 000009  |
| 8   | 0013218 |
| 9   | 009937  |
| 10  | 3201035 |



20

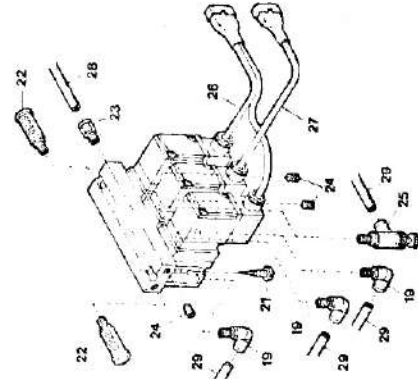
(注) ビニールパイプ御注文の際は品番と長さをお知らせ下さい。

Remarks:As for Vinyl Tube, your order must be accompanied with No. and length.

(注) ここに記載されている部品は“UT-A/ST-A”装置にも使用します。

但し、Ref.No.20の電磁弁(組)は除きます。

Remarks:Parts described hereabove are used for “UT-A/ST-A” Device,  
but Electromagnetic Valve, Complete Set, Ref.No.20 are excluded.



“UT-A”装置(4)

Description

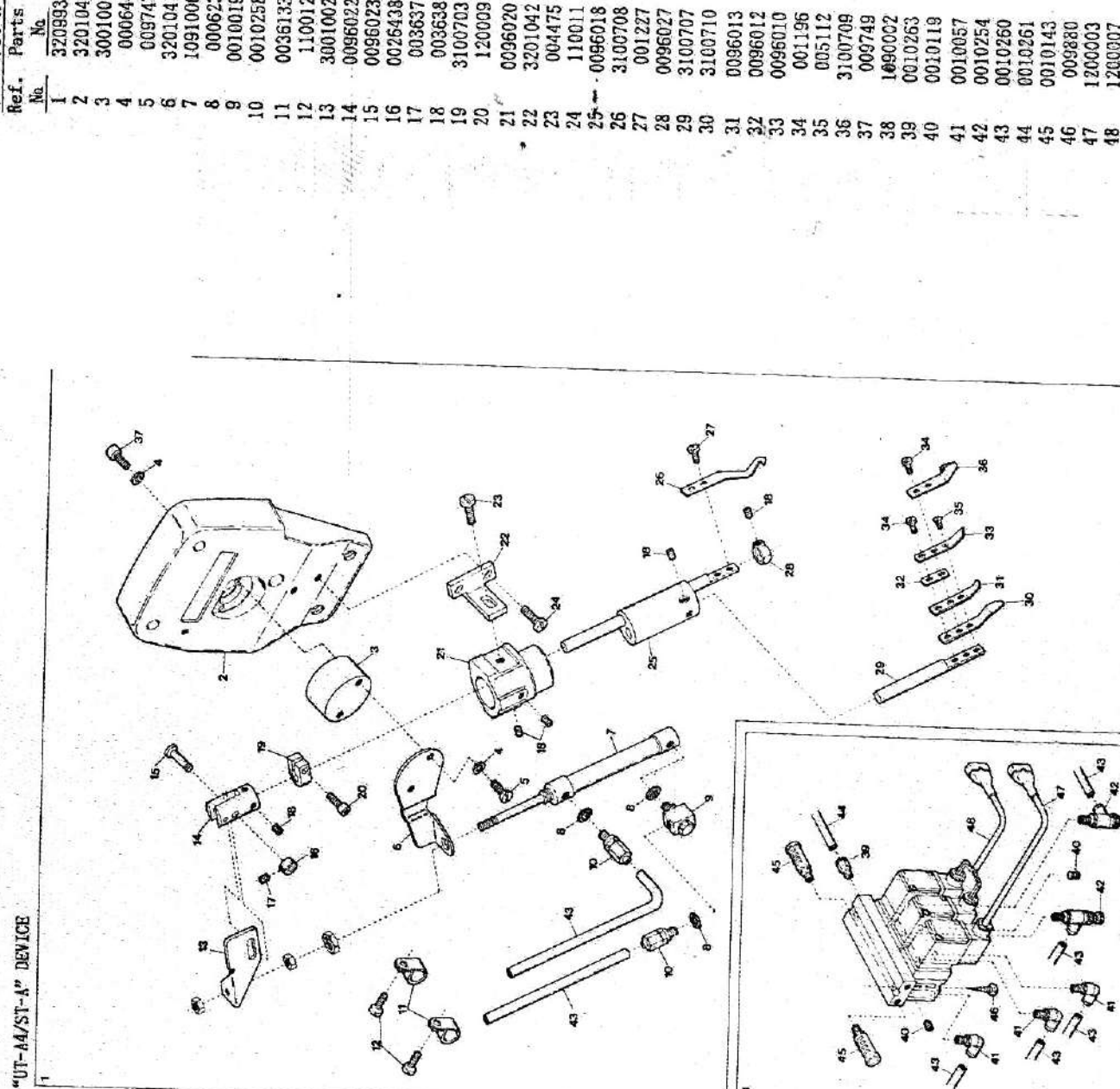
品名

| Description                         | 品名           | Req. |
|-------------------------------------|--------------|------|
| Regulator                           | レギュレータ       | 1    |
| Hose Connector(φ8-1/4)              | ホースユニオン      | 1    |
| Hose Band                           | ホースバンド       | 1    |
| Connector(φ6-1/4)                   | コネクタ         | 1    |
| Screw(M5-0.8×10)                    | 止ネジ          | 2    |
| Washer                              | ワッシャ         | 2    |
| Nut                                 | ナット          | 2    |
| Regulator Support                   | レギュレータ取付板    | 1    |
| Wood Screw(φ3.8×20)                 | 木ネジ          | 2    |
| Presser Foot Lifter Cylinder, C.Set | 押エッジシリンドラ(組) | 1    |

|                                     |              |   |
|-------------------------------------|--------------|---|
| Cylinder Stop Collar                | シリンドラストップカラー | 1 |
| Screw(11/64-40×13.5)                | 止ネジ          | 1 |
| Rubber Cushion                      | 緩衝ゴム         | 1 |
| Presser Foot Lifter Cylinder        | 押エッジシリンドラ    | 1 |
| Cylinder Rod Chip                   | シリンドラロッドチップ  | 1 |
| Cylinder Bracket                    | シリンドラ取付台     | 1 |
| Screw(M6-1×15)                      | 止ネジ          | 2 |
| Washer                              | ワッシャ         | 2 |
| Elbow Connector                     | エルボ継手        | 5 |
| Electromagnetic Valve, C.Set(UT-A2) | 電磁弁(組)       | 1 |

|                     |            |   |
|---------------------|------------|---|
| Wood Screw(φ4.5×40) | 木ネジ        | 2 |
| Silencer            | サイレンサ      | 2 |
| Connector(φ6-PT1/8) | コネクタ       | 1 |
| Seal Plug           | メクラプラグ     | 3 |
| Speed Controller    | スピードコントローラ | 1 |
| Cord(A)             | コード(A)     | 1 |
| Cord(B)             | コード(B)     | 1 |
| Vinyl Tube(6×4mm)   | ビニールパイプ    | 1 |
| Vinyl Tube(4×2.5mm) | ビニールパイプ    | 1 |

Amt.



## Description

## 品名

Trimming Device, Complete Set

Head Cover

Cylinder Bracket Holder

Spring Washer

Screw(M4-0.7X10)

Cylinder Bracket

Air Cylinder

Gasket

Universal Elbow Joint

Joint

Cord Clamp(5N φ8.4)

Screw(M4-0.7X5)

Cylinder Link

Cylinder Connecting Block

Cylinder Lever Pin

Collar

Screw(1/8-44X2.5)

Screw(11/64-40X4)

Movable Trimming Knife Shaft Collar

Screw(M4-0.7X12)

Knife Guide Holder

Knife Guide

Screw(3/16-32X7.9)

Screw(M5-0.8X10)

Movable Trimming Knife Unit

Screw(1/8-44X3.8)

Movable Trimming Knife Shaft

Fixed Trimming Knife Shaft

Thread Clamp Spring(Lower)

Knife Press Adjusting Spring

Fixed Trimming Knife Spacer

Fixed Trimming Knife

Screw(1/8-44X6)

Adjusting Screw(3/32-56X5.5)

Thread Clamp Spring

Screw(M4-0.7X16)

Electromagnetic Valve, Complete Set

Connector(φ6-PT1/8)

Seal Plug

Elbow Connector

Speed Controller

Vinyl Tube(4X2.5mm)

Vinyl Tube(6X4mm)

Silencer

Wood Screw(φ4.5X40)

Cord(C)

Cord(D)

Cord(E)

Cord(F)

Cord(G)

Cord(H)

Cord(I)

Cord(J)

Cord(K)

Cord(L)

Cord(M)

Cord(N)

Cord(O)

Cord(P)

Cord(Q)

Cord(R)

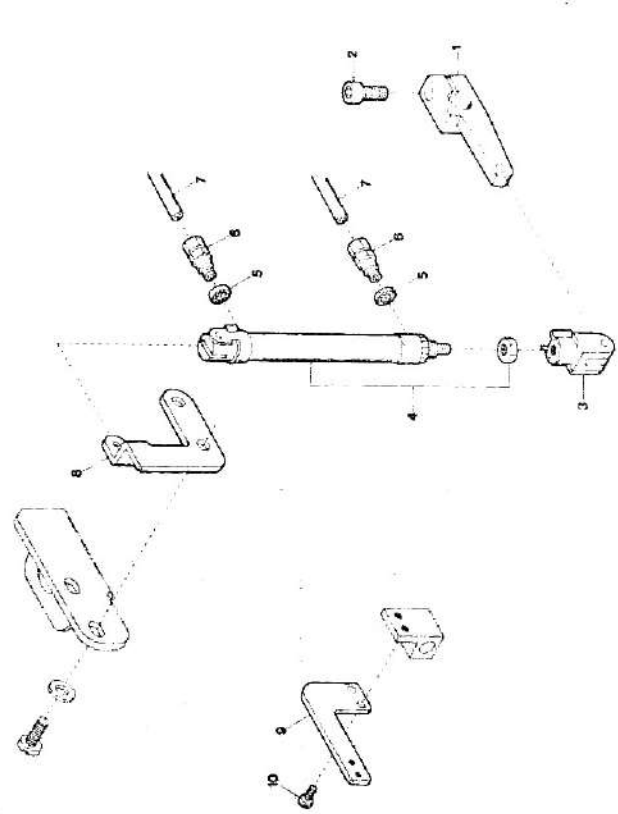
(注) "UT-A4/ST-A"装置にはここに記載されている部品と表題 No.28,29,30,31 の部品も使用します。

Remarks: For "UT-A4/ST-A" Device, parts described hereabove and also those of Title Nos.28,29,30 and 31 are used.

(注) ビニールパイプ御注文の際は品番と長さをお知らせ下さい。

Remarks: As for Vinyl Tube, your order must be accompanied with No. and length.

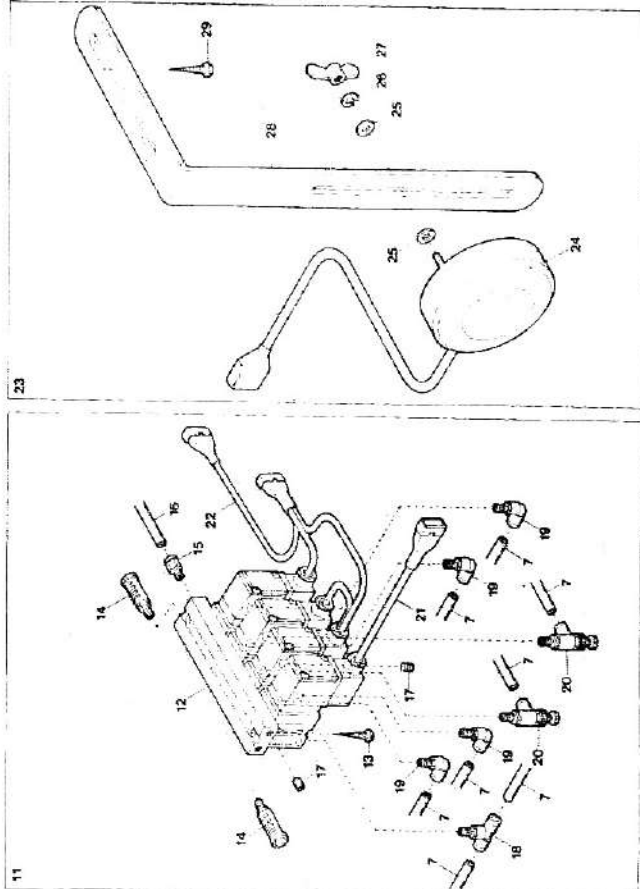
"UT-A4" DEVICE for VF2500-PA



| Ref. Parts |         | Description                      |            | 品名 | Ant. Req. |
|------------|---------|----------------------------------|------------|----|-----------|
| No.        | No.     |                                  |            |    |           |
| 1          | 3201019 | Tension Release Lever            | 糸緩メ腕       | 1  | 1         |
| 2          | 120001  | Screw(M4-0.7X14)                 | 止ネジ        | 1  | 1         |
| 3          | 0010283 | Y-Knuckle                        | Yナックル      | 1  | 1         |
| 4          | 0010242 | Tension Release Cylinder         | 糸緩メシリンダ    | 1  | 1         |
| 5          | 000623  | Gasket                           | パッキン       | 2  | 2         |
| 6          | 0010258 | Joint                            | 継手         | 2  | 2         |
| 7          | 0010260 | Vinyl Tube(4X2.5mm)              | ビニールパイプ    | -  | -         |
| 8          | 3011117 | Tension Release Cylinder Bracket | 糸緩メシリンダ取付板 | 1  | 1         |
| 9          | 3001066 | Switch Guide Support             | スイッチガイド取付板 | 1  | 1         |
| 10         | 004353  | Screw(3/64-40X7)                 | 止ネジ        | 2  | 2         |
| 11         | 1090061 | Electromagnetic Valve, C. Set(2) | 電磁弁(組2)    | 1  | 1         |
| 12         | 1090000 | Electromagnetic Valve, C. Set(1) | 電磁弁(組1)    | 1  | 1         |
| 13         | 009880  | Wood Screw(φ4.5X40)              | 木ネジ        | 2  | 2         |
| 14         | 0010143 | Silencer                         | サイレンサ      | 2  | 2         |
| 15         | 0010263 | Connector(φ6-PT1/8)              | コネクタ       | 1  | 1         |
| 16         | 0010261 | Vinyl Tube(6X4mm)                | ビニールパイプ    | -  | -         |
| 17         | 0010119 | Seal Plug                        | メクラプラグ     | 2  | 2         |
| 18         | 0010056 | T-Connector                      | T継手        | 1  | 1         |
| 19         | 0010057 | Elbow Connector                  | エルボ継手      | 4  | 4         |
| 20         | 0010254 | Speed Controller                 | スピードコントローラ | 2  | 2         |
| 21         | 1200003 | Cord(C)                          | コード(C)     | 1  | 1         |
| 22         | 1200110 | Cord(P)                          | コード(P)     | 1  | 1         |
| 23         | 0010565 | Knee Switch, Complete Set        | 膝スイッチ(組)   | 1  | 1         |
| 24         | 0010564 | Knee Switch                      | 膝スイッチ      | 1  | 1         |
| 25         | 000538  | Washer                           | ワシヤ        | 4  | 4         |
| 26         | 000644  | Spring Washer                    | スプリングワシヤ   | 2  | 2         |
| 27         | 000023  | Wing Nut                         | チョウナット     | 2  | 2         |
| 28         | 0092232 | Knee Switch Holder               | 膝スイッチ取付板   | 1  | 1         |
| 29         | 006910  | Wood Screw(φ6.8X26)              | 木ネジ        | 2  | 2         |

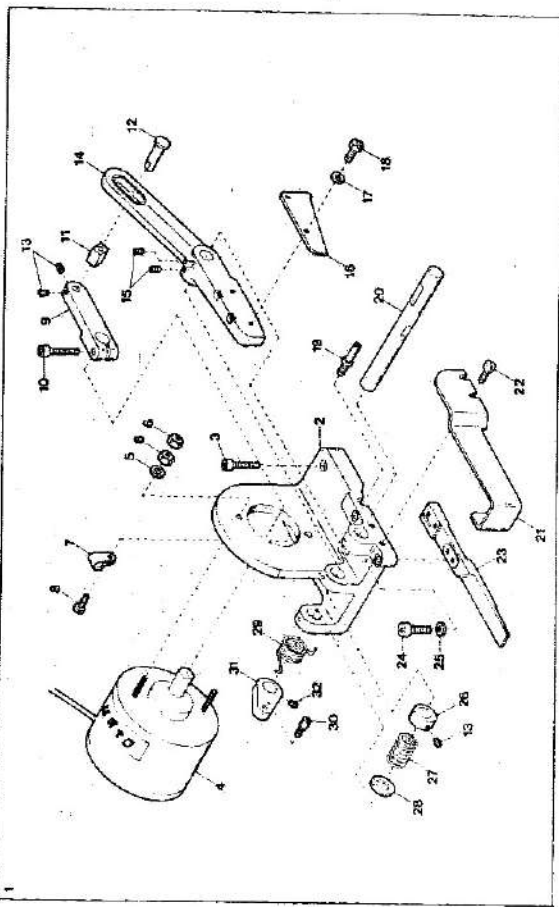
(注) ビニールパイプ御注文の際は品番と長さをお知らせ下さい。

Remarks:As for Vinyl Tube, your order must be accompanied with No. and length.



"EC" DEVICE

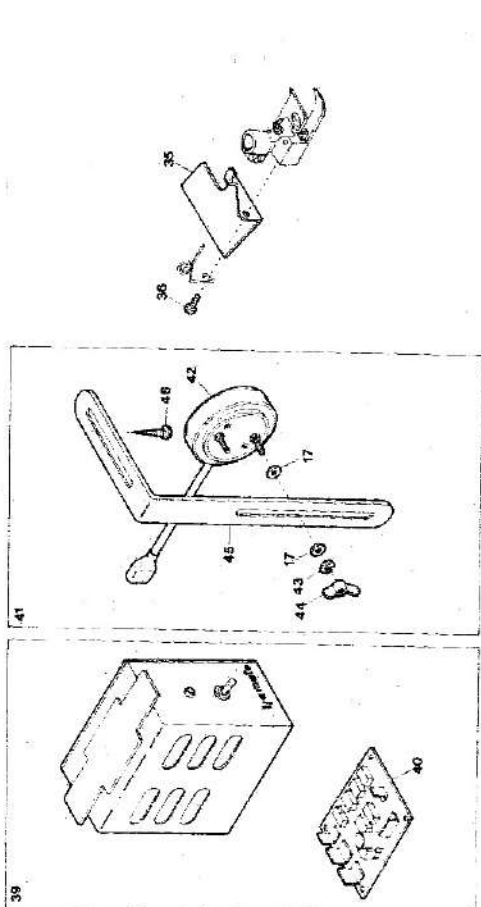
Ref. Parts

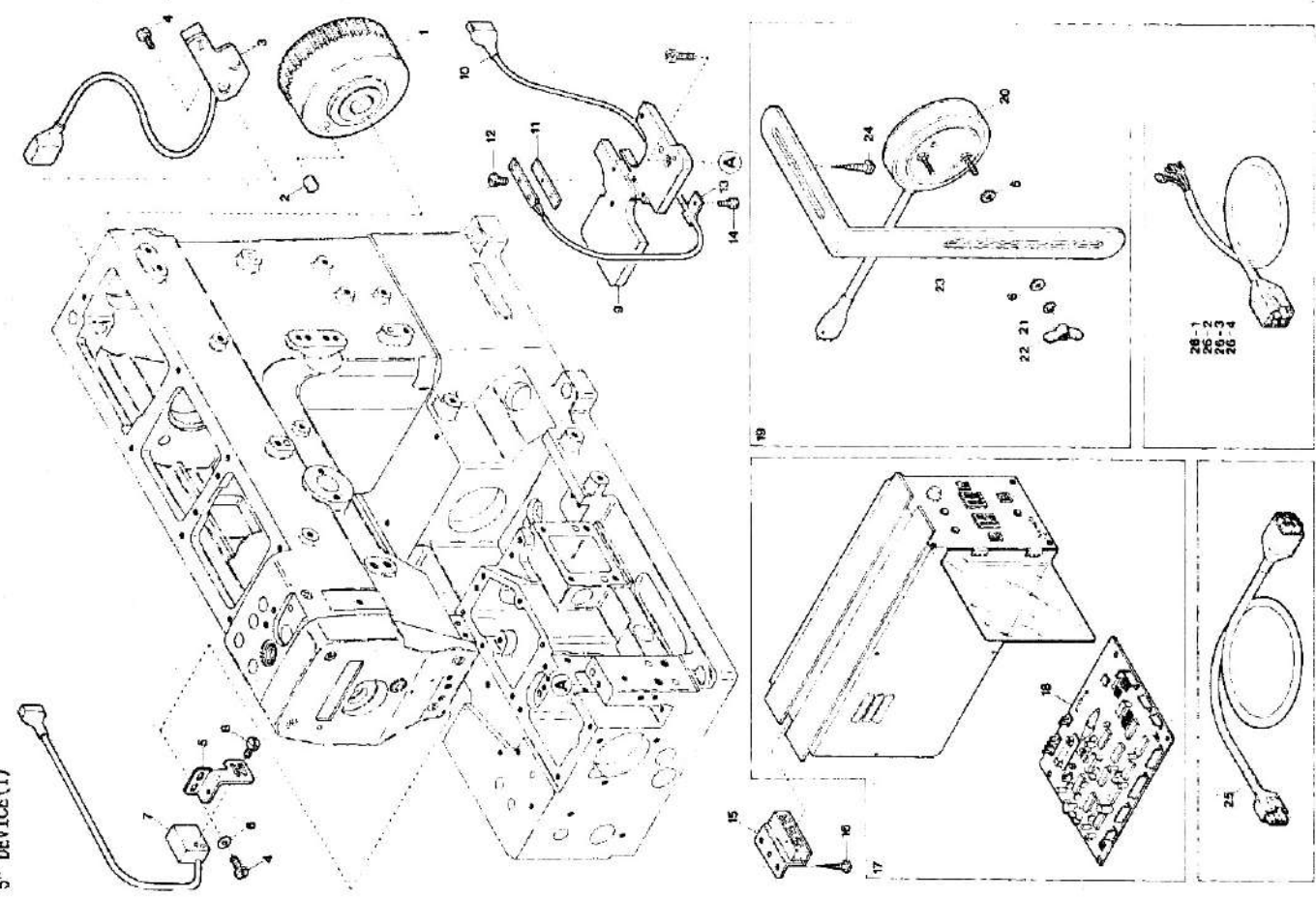


"EC" DEVICE

Ref. Parts

| No. | Description                      | 品名         |
|-----|----------------------------------|------------|
| 1   | Cutting Device, Complete Set     | カッタ装置(組)   |
| 2   | Cutting Device, Basement         | カッタ装置台     |
| 3   | Screw(M6-1X18)                   | 止ネジ        |
| 4   | Solenoid                         | ソレノイド      |
| 5   | Washer                           | ワッシャ       |
| 6   | Nut                              | ナット        |
| 7   | Cord Clamp(3N-φ5.3)              | コードクランプ    |
| 8   | Screw(φ64-40X8)                  | 止ネジ        |
| 9   | Cutting Knife Connecting Lever   | カッタ腕       |
| 10  | Screw(1/4-28X19)                 | 止ネジ        |
| 11  | Sliding Block                    | 角駒         |
| 12  | Sliding Block Pin                | 角駒軸        |
| 13  | Screw(11/64-40X4)                | 止ネジ        |
| 14  | Upper Cutting Knife Holder       | カッタ(上)ホルダ  |
| 15  | Screw(7/32-32X6.3)               | 止ネジ        |
| 16  | Upper Cutting Knife              | カッタ(上)     |
| 17  | Washer                           | ワッシャ       |
| 18  | Screw(11/64-40X10.4)             | 止ネジ        |
| 19  | Adjusting Screw(11/64-40X11.5)   | 調節ネジ       |
| 20  | Upper Cutting Knife Holder Shaft | カッタ(上)ホルダ軸 |
| 21  | Cutting Knife Cover              | カッタカバー     |
| 22  | Screw(11/64-40X8.3)              | 止ネジ        |
| 23  | Lower Cutting Knife              | カッタ(下)     |
| 24  | Screw(11/64-40X13.5)             | 止ネジ        |
| 25  | Washer                           | ワッシャ       |
| 26  | Collar                           | カラー        |
| 27  | Press Spring                     | カッタ(上)押シバネ |
| 28  | Washer                           | ワッシャ       |
| 29  | Return Spring                    | カッタ(上)戻シバネ |
| 30  | Screw(11/64-40X3)                | 止ネジ        |
| 31  | Return Spring latch              | バネ掛け       |
| 32  | Screw(1/4-40X6)                  | 止ネジ        |
| 33  | Stitch Plate Support             | 針板取付板      |
| 34  | Cloth Plate(Large)               | 大カバー       |
| 35  | Fabric Guide                     | テープ案内板     |
| 36  | Screw(1/8-44X5.6)                | 止ネジ        |
| 37  | Control Box Stay                 | 制御ボックスステイ  |
| 38  | Wood Screw(φ5.1X20)              | 木ネジ        |
| 39  | Control Box, Complete Set        | 制御装置(組)    |
| 40  | Control Board                    | 制御基板       |
| 41  | Knee Switch, Complete Set        | 膝スイッチ(組)   |
| 42  | Knee Switch                      | 膝スイッチ      |
| 43  | Spring Washer                    | スプリングワッシャ  |
| 44  | Wing Nut                         | チョウナット     |
| 45  | Knee Switch Holder               | 膝スイッチ取付板   |
| 46  | Wood Screw(φ6.8X26)              | 木ネジ        |





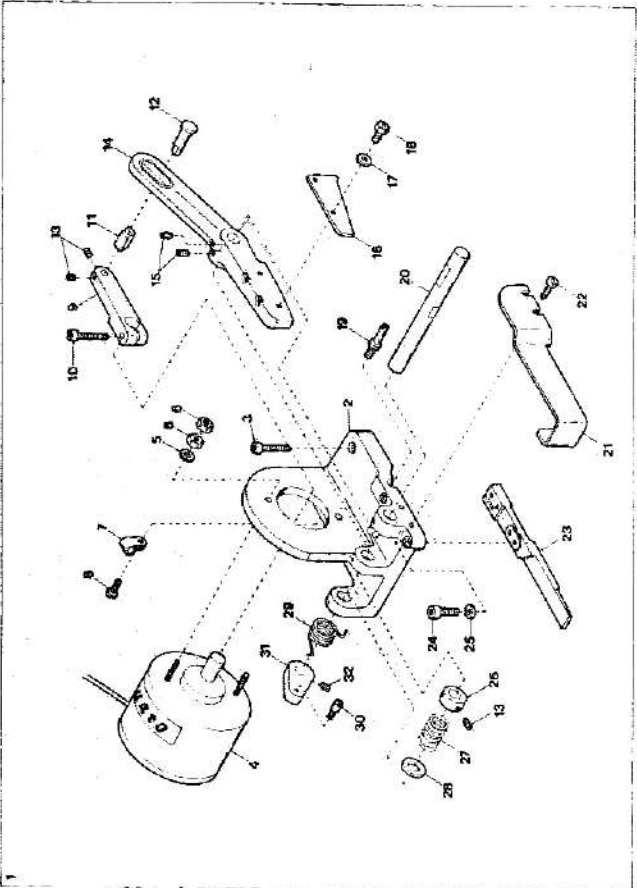
| Ref. No. | Parts No. | Description                  | 品名            | Req. |
|----------|-----------|------------------------------|---------------|------|
| 1        | 3201108   | Handwheel                    | ハンドホイール       | 1    |
| 2        | 0092305   | Magnet                       | マグネット         | 1    |
| 3        | 1200038   | Rotation Detector Unit       | 回転検出ユニット      | 1    |
| 4        | 110013    | Screw (M4-0.7×8)             | 止ネジ           | 4    |
| 5        | 3201103   | Light Emitter Support        | 発光器取付板        | 1    |
| 6        | 000538    | Washer                       | ワッシャー         | 1    |
| 7        | 0011228   | Light Emitter Unit           | 発光器 (組)       | 1    |
| 8        | 004314    | Screw (1/8-44×5.6)           | 止ネジ           | 2    |
| 9        | 3201102   | Stitch Plate Support         | 針板取付板         | 1    |
| 10       | 1200068   | Emission Catcher Unit        | 受光器 (組)       | 1    |
| 11       | 0092335   | Insulating Plate             | 絶縁板           | 1    |
| 12       | 110007    | Screw (M2.5-0.45×6)          | 止ネジ           | 2    |
| 13       | 0024302   | Cord Stay                    | コード支エ         | 1    |
| 14       | 110008    | Screw (M4-0.7×5)             | 止ネジ           | 1    |
| 15       | 0011709   | Control Box Stay             | 制御ボックスステー     | 2    |
| 16       | 006905    | Wood Screw (φ5.1×20)         | 木ネジ           | 4    |
| 17       | 1249020   | Control Box, Complete Set    | 制御装置 (組)      | 1    |
| 18       | 1057029   | Control Board                | 制御基板          | 1    |
| 19       | 0011192   | Knee Switch, Complete Set    | 膝スイッチ (組)     | 1    |
| 20       | 0011189   | Knee Switch                  | 膝スイッチ         | 1    |
| 21       | 000644    | Spring Washer                | スプリングワッシャー    | 2    |
| 22       | 000023    | Wing Nut                     | チョウナット        | 2    |
| 23       | 0092232   | Knee Switch Holder           | 膝スイッチ取付板      | 1    |
| 24       | 006910    | Wood Screw (φ5.8×26)         | 木ネジ           | 1    |
| 25       | 1200040   | Stop Cord                    | ストップコード       | 2    |
| 26-1     | 0011943   | Power Cord (for 100 Voltage) | 電源コード (100V用) | 1    |
| 26-2     | 0011944   | " ( " 200 " )                | " (200 " )    | 1    |
| 26-3     | 0011945   | " ( " 220 " )                | " (220 " )    | 1    |
| 26-4     | 0011946   | " ( " 380 " )                | " (380 " )    | 1    |

"EU5" DEVICE (2)

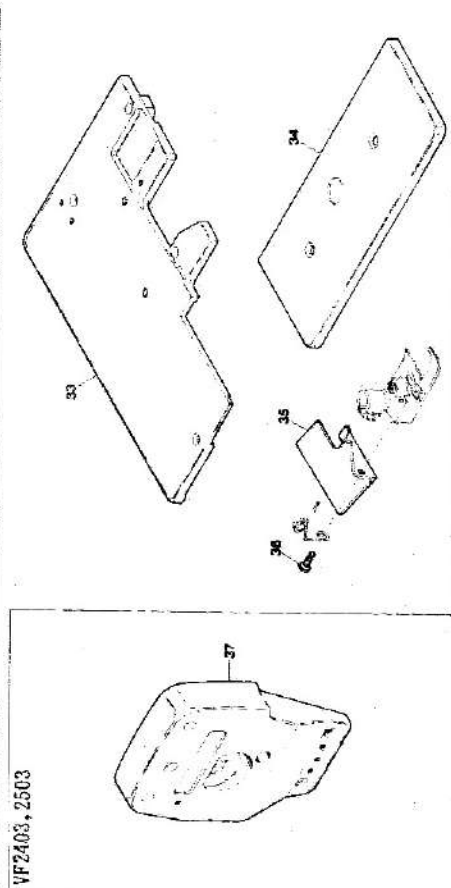
"EU5"装置(2)

| Ref. Parts | No      | Description                      | 品名         | Amt. | Req. |
|------------|---------|----------------------------------|------------|------|------|
| 1          | 3201107 | Cutting Device, Complete Set     | カッタ装置(組)   | 1    | 1    |
| 2          | 3201104 | Cutting Device Baseament         | カッタ装置台     | 1    | 1    |
| 3          | 120011  | Screw(M6-1×18)                   | 止ネジ        | 1    | 2    |
| 4          | 1200069 | Solenoid                         | ソレノイド      | 1    | 1    |
| 5          | 000528  | Washer                           | ワッシャ       | 2    | 2    |
| 6          | 000011  | Nut                              | ナット        | 4    | 4    |
| 7          | 0060248 | Cord Clamp(3W-φ5.3)              | コードクランプ    | 1    | 1    |
| 8          | 001175  | Screw(9/64-40×8)                 | 止ネジ        | 1    | 1    |
| 9          | 0092288 | Cutting Knife Connecting Lever   | カッタ腕       | 1    | 1    |
| 10         | 005115  | Screw(1/4-28×19)                 | 止ネジ        | 1    | 1    |
| 11         | 0092286 | Sliding Block                    | 角駒         | 1    | 1    |
| 12         | 0092287 | Sliding Block Pin                | 角駒軸        | 1    | 1    |
| 13         | 003638  | Screw(11/64-40×4)                | 止ネジ        | 3    | 3    |
| 14         | 3201106 | Upper Cutting Knife Holder       | カッタ(上)ホルダ  | 1    | 1    |
| 15         | 003670  | Screw(7/32-32×6.3)               | 止ネジ        | 2    | 2    |
| 16         | 3201105 | Upper Cutting Knife              | カッタ(上)     | 1    | 1    |
| 17         | 000538  | Washer                           | ワッシャ       | 2    | 2    |
| 18         | 002308  | Screw(11/64-40×10.4)             | 止ネジ        | 2    | 2    |
| 19         | 006245  | Adjusting Screw(11/64-40×11.5)   | 調節ネジ       | 1    | 1    |
| 20         | 0092283 | Upper Cutting Knife Holder Shaft | カッタ(上)ホルダ軸 | 1    | 1    |
| 21         | 0092289 | Cutting Knife Cover              | カッタカバー     | 1    | 1    |
| 22         | 004440  | Screw(11/64-40×8.3)              | 止ネジ        | 2    | 2    |
| 23         | 0092285 | Lower Cutting Knife              | カッタ(下)     | 1    | 1    |
| 24         | 005550  | Screw(11/64-40×13.5)             | 止ネジ        | 2    | 2    |
| 25         | 000530  | Washer                           | ワッシャ       | 2    | 2    |
| 26         | 0092294 | Collar                           | カラー        | 1    | 1    |
| 27         | 0092292 | Press Spring                     | カッタ(上)押しバネ | 1    | 1    |
| 28         | 000498  | Washer                           | ワッシャ       | 1    | 1    |
| 29         | 0092291 | Return Spring                    | カッタ(上)戻しバネ | 1    | 1    |
| 30         | 005512  | Screw(11/64-40×3)                | 止ネジ        | 1    | 1    |
| 31         | 0092293 | Return Spring Latch              | バネ掛け       | 1    | 1    |
| 32         | 003635  | Screw(1/4-40×6)                  | 止ネジ        | 1    | 1    |
| 33         | 3201100 | Cloth Plate(Large)               | 大カバー       | 1    | 1    |
| 34         | 3201101 | Cloth Plate(Small)               | 小カバー       | 1    | 1    |
| 35         | 0092298 | Fabric Guide                     | テープ案内板     | 1    | 1    |
| 36         | 004314  | Screw(1/8-44×5.6)                | 止ネジ        | 1    | 1    |
| 37         | 3101450 | Head Cover                       | ヘッドカバー     | 1    | 1    |
| 38-1       | 0092324 | Stitch Plate(32)                 | 針板         | 1    | 1    |
| 38-2       | 0092325 | " (40)                           | "          | 1    | 1    |
| 38-3       | 0092326 | " (48)                           | "          | 1    | 1    |
| 39-1       | 0092330 | Stitch Plate(56)                 | 針板         | 1    | 1    |
| 39-2       | 0092331 | " (64)                           | "          | 1    | 1    |
| 40-1       | 0092327 | Stitch Plate(32)                 | 針板         | 1    | 1    |
| 40-2       | 0092328 | " (40)                           | "          | 1    | 1    |
| 40-3       | 0092329 | " (48)                           | "          | 1    | 1    |
| 41-1       | 0092332 | Stitch Plate(56)                 | 針板         | 1    | 1    |
| 41-2       | 0092333 | " (64)                           | "          | 1    | 1    |

"EU5" DEVICE (2)



VF2403, 2503

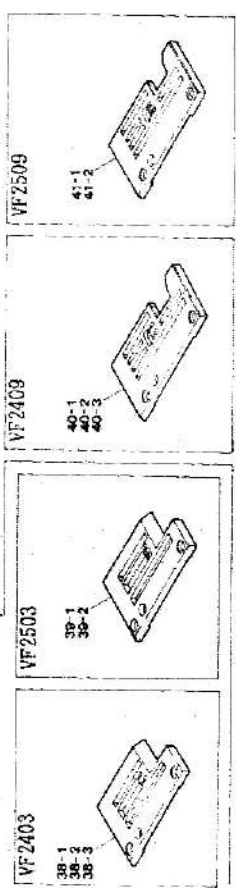


VF2403

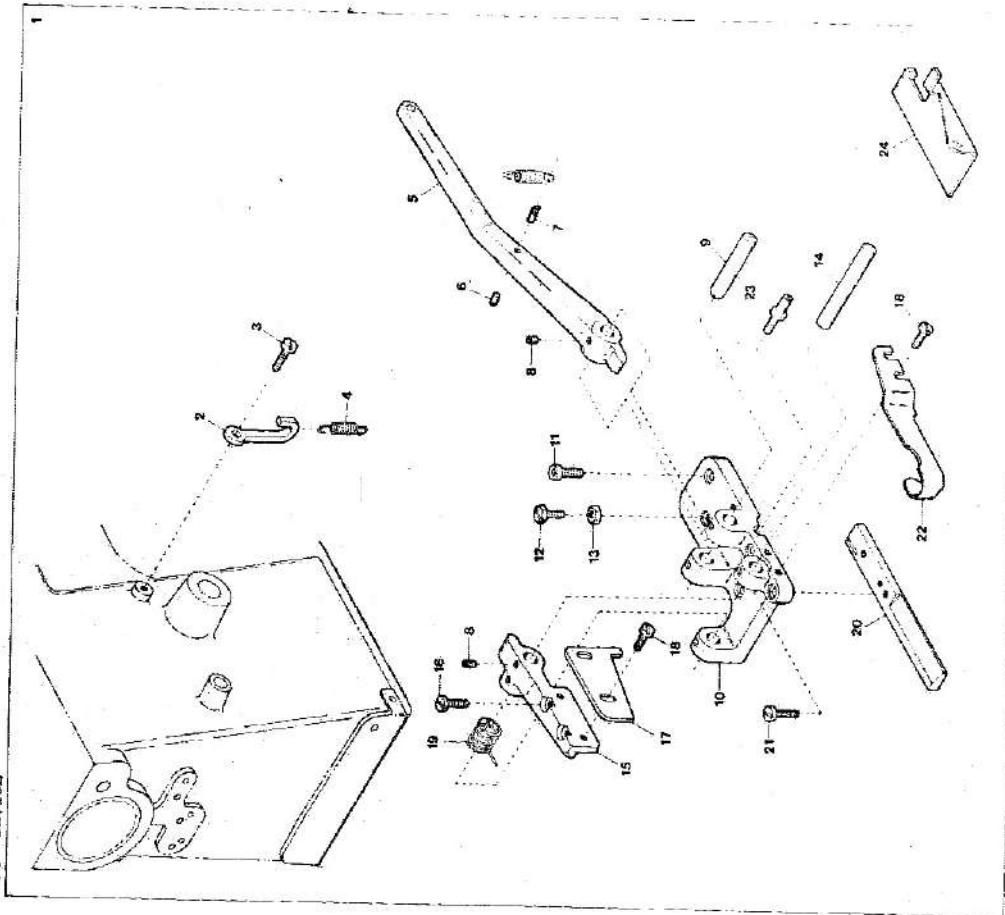
VF2503

VF2409

VF2509



"FC" DEVICE

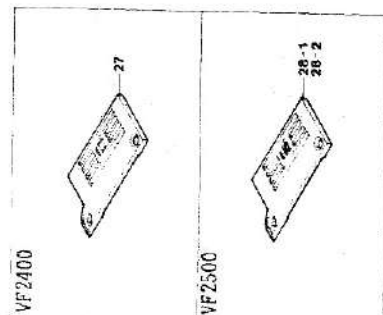
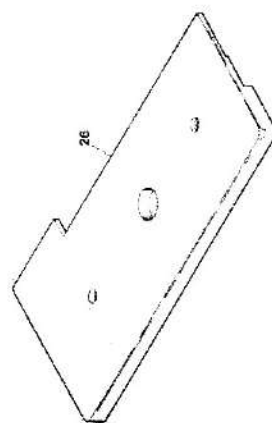
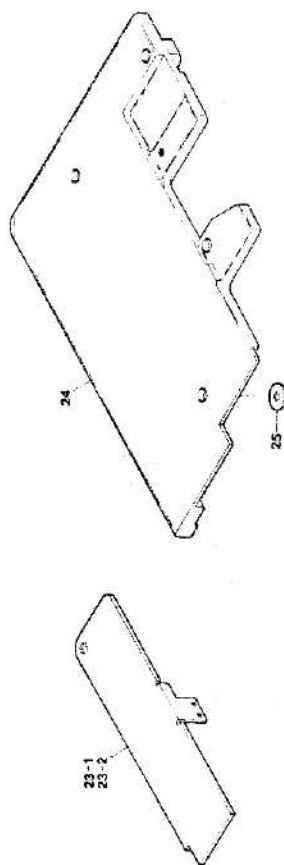
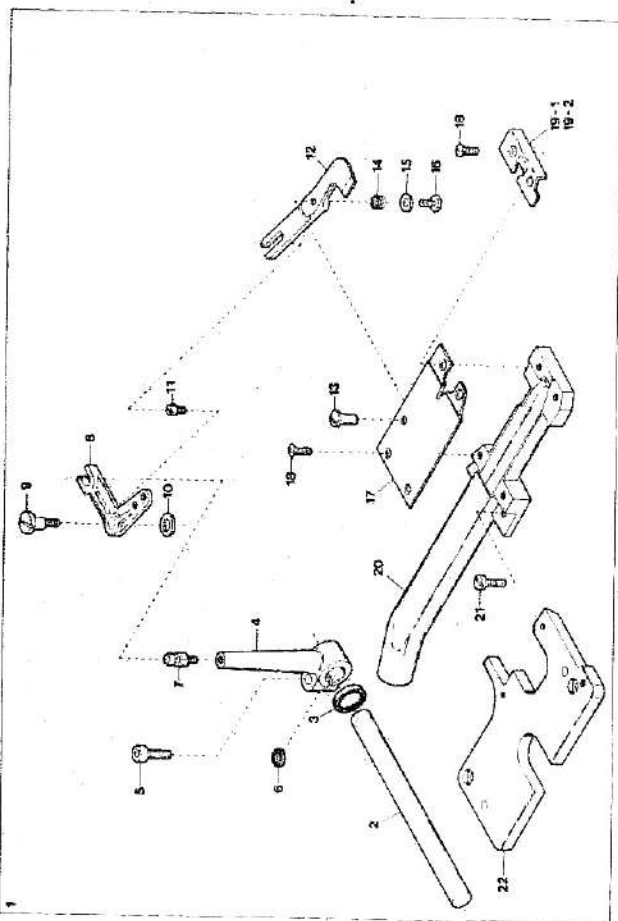


Ref. Parts

| Ref. No. | Parts No. | Description                       | 品名          | Req. |
|----------|-----------|-----------------------------------|-------------|------|
| 1        | 3209920   | "FC" Device, Complete Set         | "FC"装置(組)   | 1    |
| 2        | 0090711   | Cutting Knife Lever Spring Hanger | カッタレババネ掛ケ   | 1    |
| 3        | 110009    | Screw(M4-0.7×8)                   | 止ネジ         | 1    |
| 4        | 0091842   | Cutting Knife Lever Spring        | カッタレババネ     | 1    |
| 5        | 3201114   | Cutting Knife Lever               | カッタレバ       | 1    |
| 6        | 003393    | Screw(5/32-40×3.2)                | 止ネジ         | 1    |
| 7        | 006638    | Screw(5/32-40×9.5)                | 止ネジ         | 1    |
| 8        | 007650    | Screw(11/64-40×5)                 | 止ネジ         | 3    |
| 9        | 0091841   | Cutting Knife Lever Pin           | カッタレバピン     | 1    |
| 10       | 3201112   | Cutting Device Holder             | テープカッタ取付台   | 1    |
| 11       | 120026    | Screw(M5-0.8×18)                  | 止ネジ         | 2    |
| 12       | 002308    | Screw(11/64-40×10.4)              | 止ネジ         | 1    |
| 13       | 000340    | Nut                               | ナット         | 1    |
| 14       | 0091835   | Cutting Knife Holder Pin          | テープカッタ取付台ピン | 1    |
| 15       | 3201113   | Cutting Knife Holder              | テープカッタ取付台   | 1    |
| 16       | 009150    | Screw(11/64-40×11)                | 止ネジ         | 2    |
| 17       | 0091833   | Cutting Knife(Upper)              | テープカッタ(上)   | 1    |
| 18       | 004440    | Screw(11/64-40×8.3)               | 止ネジ         | 4    |
| 19       | 0091838   | Cutting Knife Spring              | テープカッタバネ    | 1    |
| 20       | 0091839   | Cutting Knife(Lower)              | テープカッタ(下)   | 1    |
| 21       | 001156    | Screw(11/64-40×13.3)              | 止ネジ         | 2    |
| 22       | 0091837   | Cutting Knife Cover               | テープカッタカバー   | 1    |
| 23       | 006245    | Adjusting Screw(11/64-40×11.5)    | 調節ネジ        | 1    |
| 24       | 0092298   | Fabric Guide                      | 布案内         | 1    |
| 25       | 3201111   | Cloth Plate(Large)                | 大カバー        | 1    |

"K1" DEVICE

| Ref.   | Parts | No.  | No.    |
|--------|-------|------|--------|
| 320952 | 1     | 1    | 320952 |
| 320114 | 2     | 2    | 320114 |
| 320330 | 3     | 3    | 320330 |
| 320114 | 4     | 4    | 320114 |
| 120000 | 5     | 5    | 120000 |
| 000556 | 6     | 6    | 000556 |
| 320114 | 7     | 7    | 320114 |
| 009546 | 8     | 8    | 009546 |
| 170020 | 9     | 9    | 170020 |
| 300010 | 10    | 10   | 300010 |
| 005574 | 11    | 11   | 005574 |
| 009546 | 12    | 12   | 009546 |
| 009546 | 13    | 13   | 009546 |
| 009546 | 14    | 14   | 009546 |
| 000001 | 15    | 15   | 000001 |
| 005574 | 16    | 16   | 005574 |
| 009546 | 17    | 17   | 009546 |
| 005323 | 18    | 18   | 005323 |
| 009547 | 19-1  | 19-1 | 009547 |
| 009547 | 19-2  | 19-2 | 009547 |
| 009545 | 20    | 20   | 009545 |
| 110000 | 21    | 21   | 110000 |
| 320114 | 22    | 22   | 320114 |
| 320114 | 23-1  | 23-1 | 320114 |
| 320114 | 23-2  | 23-2 | 320114 |
| 320114 | 24    | 24   | 320114 |
| 300000 | 25    | 25   | 300000 |
| 320114 | 26    | 26   | 320114 |
| 009545 | 27    | 27   | 009545 |
| 009545 | 28-1  | 28-1 | 009545 |
| 009545 | 28-2  | 28-2 | 009545 |



| Description                                          | 品名         | Rev |
|------------------------------------------------------|------------|-----|
| "K1" Device, Complete Set                            | "K1"装置(組)  | 1   |
| Feed Bar Driving Shaft                               | 送り軸        | 1   |
| Oil Seal                                             | オイルシール     | 1   |
| Cutting Knife Main Lever                             | メインレバー     | 1   |
| Screw(M6-1X12)                                       | 止ネジ        | 1   |
| Packing Piece                                        | ファイバパッキン   | 1   |
| Ball Stud                                            | 球          | 1   |
| Cutting Knife Driving Link                           | 下刃リンク      | 1   |
| Screw(M4-0.7X8)                                      | 止ネジ        | 1   |
| Washer                                               | ワッシャ       | 1   |
| Screw(3/64-40X3.57)                                  | 止ネジ        | 1   |
| Cutting Knife(Lower)                                 | 下刃         | 1   |
| Cutting Knife Holder Pin                             | 下刃支持ピン     | 1   |
| Cutting Knife(Lower) Spring                          | 下刃バネ       | 1   |
| Washer                                               | ワッシャ       | 1   |
| Screw(3/32-56X4)                                     | 止ネジ        | 1   |
| Cutting Plate                                        | カッティングプレート | 4   |
| Screw(29/256-48X6.5)                                 | 止ネジ        | 1   |
| Chain-off Guide(Small Mouth)                         | 口金(小)      | 1   |
| " (Large Mouth)                                      | " (大)      | 1   |
| Suction Pipe Unit                                    | 吸込管(組)     | 1   |
| Screw(M4-0.7X8)                                      | 止ネジ        | 2   |
| Switch Plate Support                                 | 針板取付板      | 1   |
| Looper Thread Take-up Cover (32,40,48,56) カムカバー (64) | " "        | 1   |
| Cloth Plate(Large)                                   | 大カバー       | 1   |
| Spacer                                               | スペーサ       | 1   |
| Cloth Plate(Small)                                   | 小カバー       | 1   |
| Switch Plate(40)                                     | 針板         | 1   |
| Switch Plate(56)                                     | 針板         | 1   |
| " (64)                                               | " "        | 1   |

"C" DEVICE

Ref. Parts

No.

No.

2109930

2 0033939

3 1094011

4 1097000

5 009960

6 000669

7 000600

8 000009

9 1097001

10 005905

11 0010263

12 1096000

13 0033953

14 0033938

15 005040

16 0033937

17 0033935

18 0033935

19 000334

20 005505

21 0033934

22 0010290

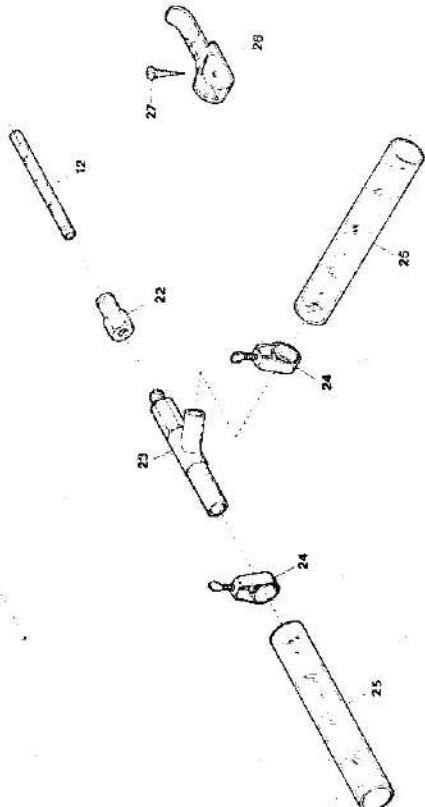
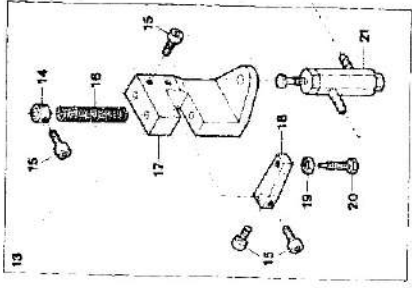
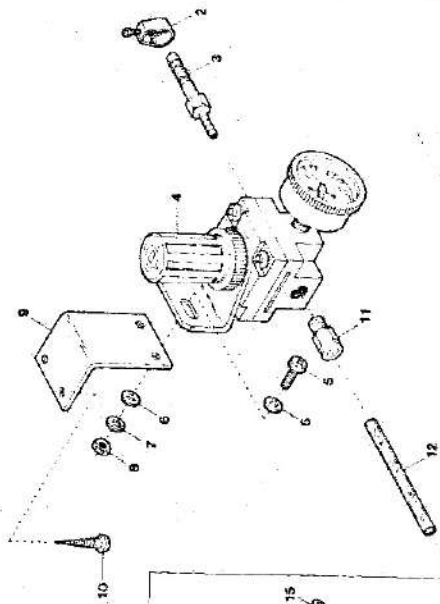
23 0010310

24 0033940

25 1096003

26 0011987

27 009314



"C"装置

品名

組

名

"C"装置(組)

ホースバンド(1/4インチ)

ホースニップル

レギュレータ

止ネジ

ワッシャ

スプリングワッシャ

ナット

レギュレータ取付板

木ネジ

コネクター

ナイロンホース

エアバルブ(組)

エアバルブ補助バネカラー

止ネジ

エアバルブ補助バネ

エアバルブ取付台

エアバルブストップ

ナット

調整ネジ

エアバルブ

継手

ベンチュリ管

ホースバンド(3/8インチ)

ビニールホース

ULクランプ

木ネジ

Description

"C" Device, Complete Set

Hose Band(1/4 inch)

Hose Nipple(PT1/8)

Regulator

Screw(M5-0.8×16)

Washer

Spring Washer

Nut

Regulator Support

Wood Screw(φ5.1×20)

Connector(φ6-PT1/8)

Nylon Hose(4×6×2000mm)

Air Valve, Complete Set

Collar

Screw(11/64-40×8.5)

Return Spring

Air Valve Holder

Air Valve Stop

Nut

Adjusting Screw(11/64-40×16)

Air Valve

Connector(φ6-PT1/8)

Venturi Tube

Hose Band(3/8 inch)

Vinyl Hose(12×18×2000mm)

UL Clamp

Wood Screw(φ3.1×20)

SUPPORTING BOARD (1)

受ケ板(1)

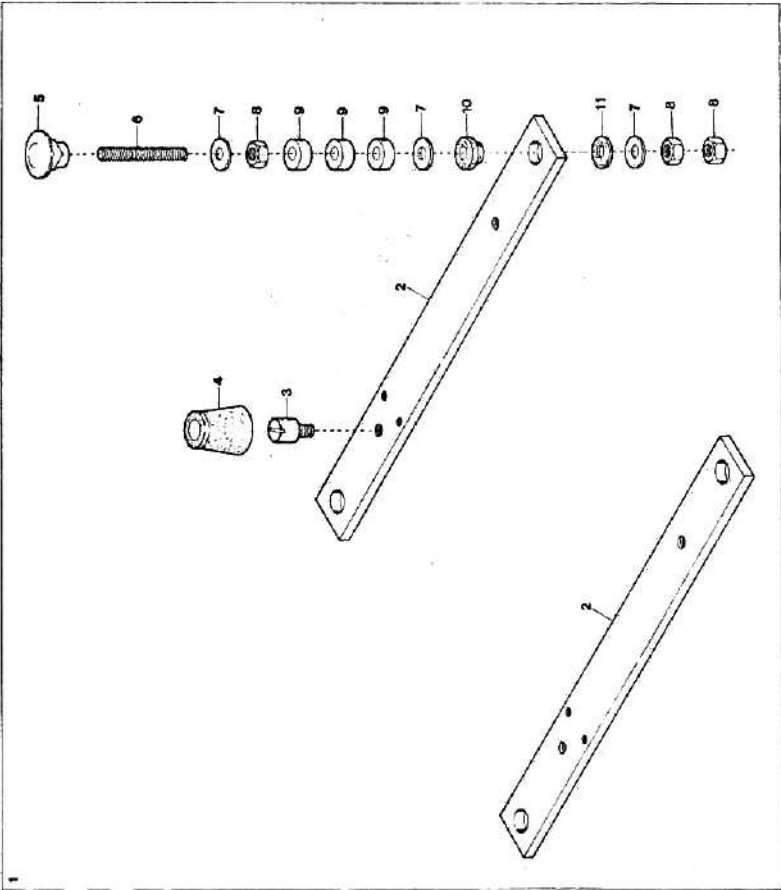
SUPPORTING BOARD

| Ref. Parts | No.     | Description                            |
|------------|---------|----------------------------------------|
| 1          | 3200240 | Supporting Board, C. Set               |
| 2          | 3200241 | Supporting Board                       |
| 3          | 180020  | Setting Screw(M6-1×10)                 |
| 4          | 0093035 | Oil Reservoir Rubber Cushion           |
| 5          | 000070  | Hanging Nut                            |
| 6          | 009861  | Hanging Bolt(M8-1.25×95)               |
| 7          | 000162  | Washer                                 |
| 8          | 000016  | Nut                                    |
| 9          | 300022  | Spacer                                 |
| 10         | 0020064 | Supporting Board Rubber Cushion        |
| 11         | 0063010 | Supporting Board Rubber Cushion(Lower) |

| 品名        | 品名        |
|-----------|-----------|
| 受ケ板(組)    | 受ケ板(組)    |
| 受ケ板       | 受ケ板       |
| 取付ケネジ     | 取付ケネジ     |
| ゴム座       | ゴム座       |
| 吊リナット     | 吊リナット     |
| 吊リボルト     | 吊リボルト     |
| ワッシャー     | ワッシャー     |
| ナット       | ナット       |
| スペーサ      | スペーサ      |
| 受ケ板ゴム座    | 受ケ板ゴム座    |
| 受ケ板ゴム座(下) | 受ケ板ゴム座(下) |

Note : Number of Spacer(300022) to be used.  
(注) スペーサ(300022)の使用個数

| Thickness of Table<br>テーブルの厚さ | Number of Spacer<br>スペーサの個数 |
|-------------------------------|-----------------------------|
| for 40mm                      | 3pcs. X 4 = 12pcs.          |
| " 45 "                        | 2pcs. X 4 = 8pcs.           |
| " 50 "                        | 1pc. X 4 = 4pcs.            |



## SUPPORTING BOARD(2)

## 受ケ板(2)

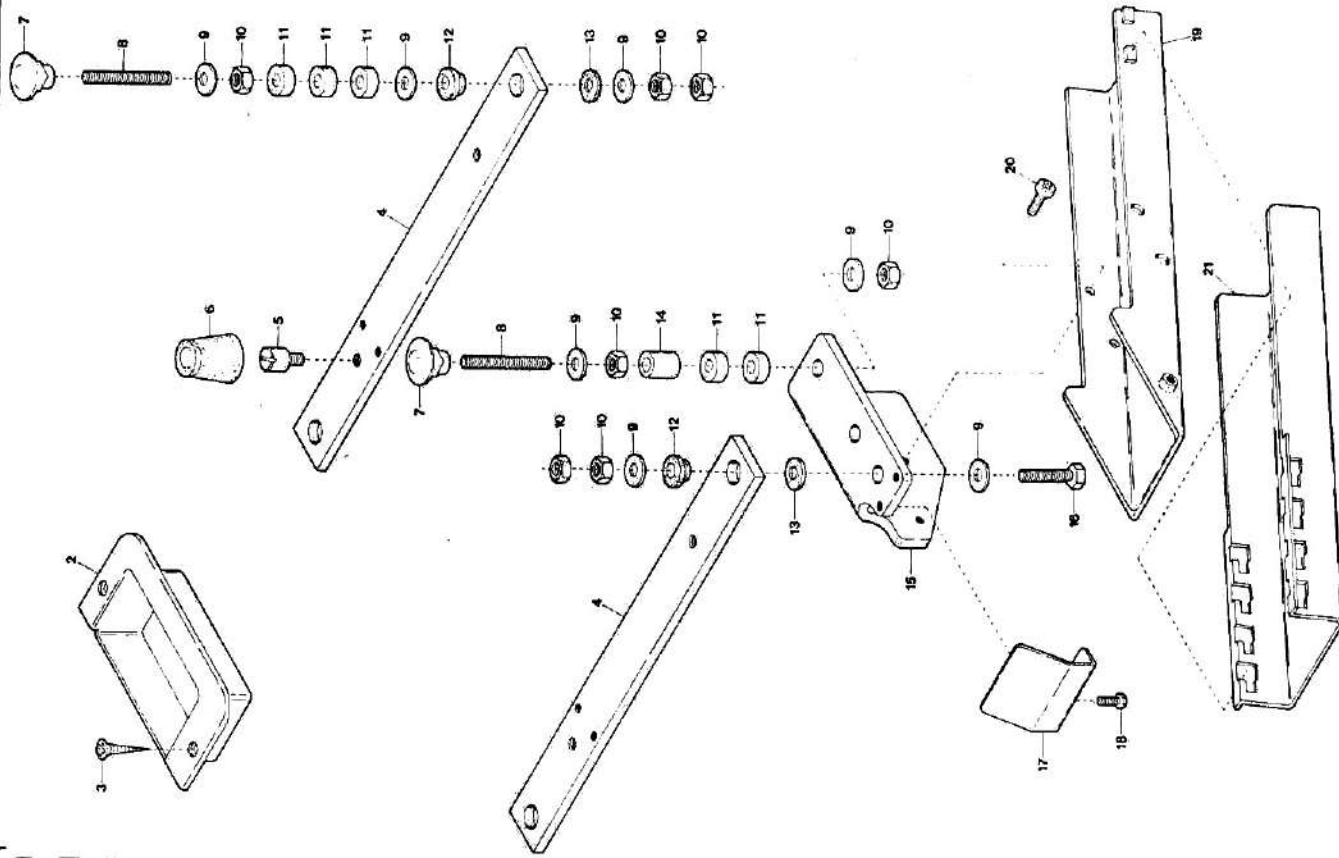
Ref. Parts

| No. | No.     | Description                                      |
|-----|---------|--------------------------------------------------|
| 1   | 3201094 | Supporting Board, C. Set                         |
| 2   | 2100376 | Chip Receiver                                    |
| 3   | 009929  | Wood Screw( $\phi 3.5 \times 24$ )               |
| 4   | 3200241 | Supporting Board                                 |
| 5   | 180020  | Setting Screw(M6-1 $\times$ 10)                  |
| 6   | 0093035 | Oil Reservoir Rubber Cushion                     |
| 7   | 000070  | Hanging Nut                                      |
| 8   | 009861  | Hanging Bolt(M8-1.25 $\times$ 95)                |
| 9   | 000162  | Washer                                           |
| 10  | 000016  | Nut                                              |
| 11  | 300022  | Spacer                                           |
| 12  | 0020064 | Supporting Board Rubber Cushion                  |
| 13  | 0063010 | Supporting Board Rubber Cushion(Lower) 受ケ板ゴム座(下) |
| 14  | 3201096 | Spacer(Long)                                     |
| 15  | 3201095 | Chute(Upper) Support                             |
| 16  | 009870  | Screw(M8-1.25 $\times$ 35)                       |
| 17  | 3201097 | Chip Guide Plate                                 |
| 18  | 009770  | Screw(M4-0.7 $\times$ 8)                         |
| 19  | 2100337 | Chute(Upper)                                     |
| 20  | 009992  | Screw(M4-0.7 $\times$ 10)                        |
| 21  | 2100338 | Chute(Lower)                                     |

| No. | Description                                      | 品名         | Amt. | Req. |
|-----|--------------------------------------------------|------------|------|------|
| 1   | Supporting Board, C. Set                         | 受ケ板(組)     | 1    | 1    |
| 2   | Chip Receiver                                    | 切屑受け       | 1    | 1    |
| 3   | Wood Screw( $\phi 3.5 \times 24$ )               | 木ネジ        | 1    | 2    |
| 4   | Supporting Board                                 | 受ケ板        | 1    | 2    |
| 5   | Setting Screw(M6-1 $\times$ 10)                  | 取付ネジ       | 1    | 4    |
| 6   | Oil Reservoir Rubber Cushion                     | ゴム座        | 1    | 4    |
| 7   | Hanging Nut                                      | 吊りナット      | 1    | 5    |
| 8   | Hanging Bolt(M8-1.25 $\times$ 95)                | 吊りボルト      | 1    | 5    |
| 9   | Washer                                           | ワッシャー      | 1    | 15   |
| 10  | Nut                                              | ナット        | 1    | 15   |
| 11  | Spacer                                           | スペーサ       | 1    | 13   |
| 12  | Supporting Board Rubber Cushion                  | 受ケ板ゴム座     | 1    | 4    |
| 13  | Supporting Board Rubber Cushion(Lower) 受ケ板ゴム座(下) |            | 1    | 4    |
| 14  | Spacer(Long)                                     | スペーサ(長)    | 1    | 2    |
| 15  | Chute(Upper) Support                             | シュート(上)取付板 | 1    | 1    |
| 16  | Screw(M8-1.25 $\times$ 35)                       | 止ネジ        | 1    | 1    |
| 17  | Chip Guide Plate                                 | 切屑案内板      | 1    | 1    |
| 18  | Screw(M4-0.7 $\times$ 8)                         | 止ネジ        | 1    | 2    |
| 19  | Chute(Upper)                                     | シュート(上)    | 1    | 1    |
| 20  | Screw(M4-0.7 $\times$ 10)                        | 止ネジ        | 1    | 2    |
| 21  | Chute(Lower)                                     | シュート(下)    | 1    | 1    |

Note: Number of Spacer(300022) to be used,  
(注) スペーサ(300022)の使用個数

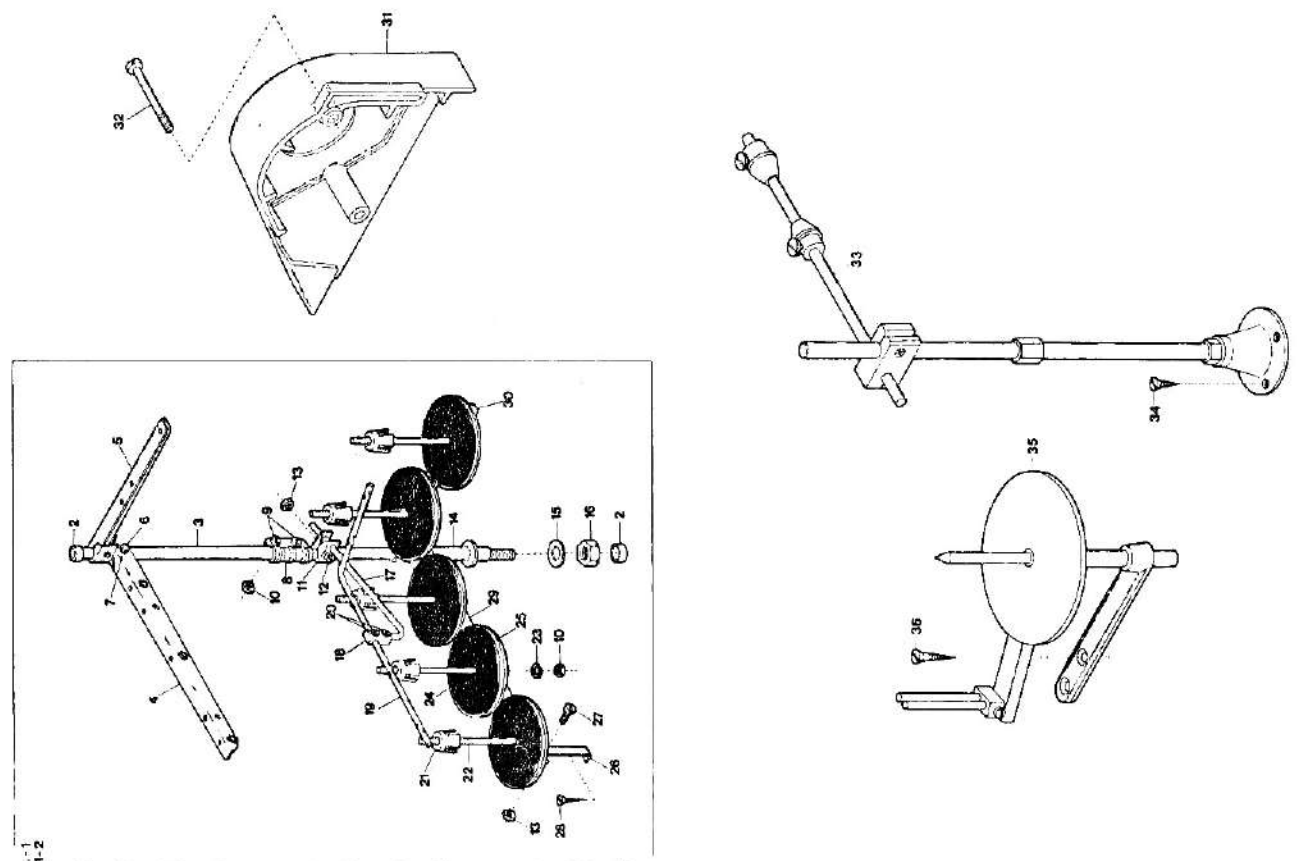
| Thickness of Table<br>テーブルの厚さ | Number of Spacer<br>スペーサの個数 |
|-------------------------------|-----------------------------|
| for 40mm                      | 3pcs. $\times 3 = 9$ pcs.   |
| " 45 "                        | 2pcs. $\times 2 = 4$ pcs.   |
| " 50 "                        | 2pcs. $\times 3 = 6$ pcs.   |
| " 50 "                        | 1pc. $\times 2 = 2$ pcs.    |
| " 50 "                        | 1pc. $\times 3 = 3$ pcs.    |



THREAD STAND & TAPE STAND

糸立台及びテーブスタンド 42

| Ref. Parts | No.     | Description                                | 品名            | Req. |
|------------|---------|--------------------------------------------|---------------|------|
| 1-1        | 0099056 | Thread Stand, Complete Set (5 Spools Type) | 糸立台(組) (5本糸用) | 1    |
| 1-2        | 0099048 | Column Cap                                 | コラムキャップ       | 1    |
| 2          | 0099057 | Column Pipe (Upper)                        | コラムパイプ(上)     | 2    |
| 3          | 0099058 | Thread Hanger (3 Spools Type)              | スレッドハンガ(3本糸用) | 1    |
| 4          | 0099060 | Thread Hanger (2 Spools Type)              | スレッドハンガ(2本糸用) | 1    |
| 5          | 0099059 | Screw                                      | 止ネジ           | 1    |
| 6          | 000147  | Washer                                     | ワッシャ          | 4    |
| 7          | 000148  | Column Pipe Connector                      | コラムパイプ継手      | 4    |
| 8          | 0099061 | Screw                                      | 止ネジ           | 2    |
| 9          | 000149  | Nut                                        | ナット           | 2    |
| 10         | 000150  | Thread Guide Holder                        | 糸案内ホルダ        | 7    |
| 11         | 0099062 | Screw                                      | 止ネジ           | 1    |
| 12         | 000151  | Nut                                        | ナット           | 1    |
| 13         | 000152  | Column Pipe (Lower)                        | コラムパイプ(下)     | 2    |
| 14         | 0099063 | Washer                                     | ワッシャ          | 1    |
| 15         | 000154  | Nut                                        | ナット           | 2    |
| 16         | 000153  | Thread Guide Bar                           | 糸案内支工棒        | 1    |
| 17         | 0099030 | Thread Guide Bar Bracket                   | 支工棒接点         | 1    |
| 18         | 0099031 | Thread Guide                               | 糸案内           | 1    |
| 19         | 0099064 | Screw                                      | 止ネジ           | 1    |
| 20         | 000156  | Spool Cushion                              | スプールクッション     | 2    |
| 21         | 0099065 | Spool Pin                                  | スプール軸         | 5    |
| 22         | 0099066 | Spring Washer                              | スプリングワッシャ     | 5    |
| 23         | 000157  | Spool Mat                                  | スプールマット       | 5    |
| 24         | 0099067 | Spool Seat Disc                            | 受ケ皿           | 5    |
| 25         | 0099068 | Spool Holder Stay                          | スプールホルダ支工     | 5    |
| 26         | 0099069 | Screw                                      | 止ネジ           | 1    |
| 27         | 000158  | Wood Screw                                 | 木ネジ           | 1    |
| 28         | 000159  | Spool Holder (3 Spools Type)               | スプールホルダ(3本糸用) | 1    |
| 29         | 0099070 | Spool Holder (2 Spools Type)               | スプールホルダ(2本糸用) | 1    |
| 30         | 0099071 | Belt Cover                                 | ベルトカバー        | 1    |
| 31         | 0063031 | Screw (M6-1 X 46)                          | 止ネジ           | 1    |
| 32         | 110028  | Elastic Tape Stand (VF2409, 2509)          | ゴムテーブスタンド     | 2    |
| 33         | 0094304 | Wood Screw                                 | 木ネジ           | 1    |
| 34         | ---     | Knitted Tape Stand (VF2403, 2503)          | メリヤステーブスタンド   | 3    |
| 35         | 0099050 | Wood Screw                                 | 木ネジ           | 1    |
| 36         | ---     |                                            |               | 2    |



EXTRA PARTS

VF2400 "L" Type



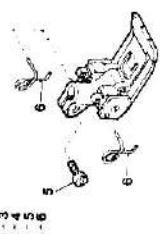
VF2500 "L" Type



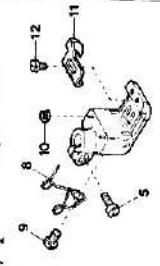
VF2409 "L" Type



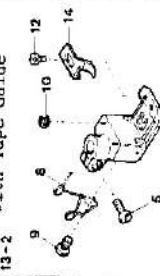
4-1 Hinged Type



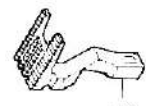
7-1 with Tape Guide



13-1 with Tape Guide



VF2403, 2503



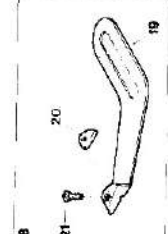
VF2403



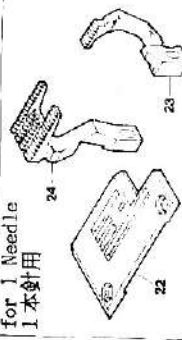
VF2503



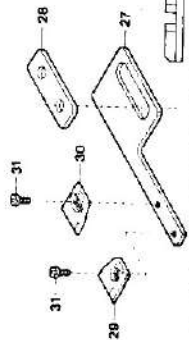
VF2411



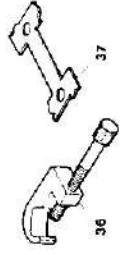
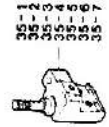
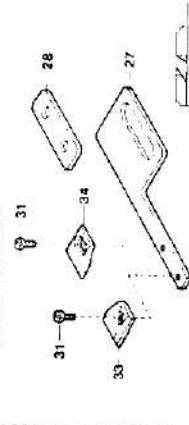
for 1 Needle  
1本針用



26 for Covering Seam



32 for Covering Seam



EXTRA PARTS

Ref. Parts

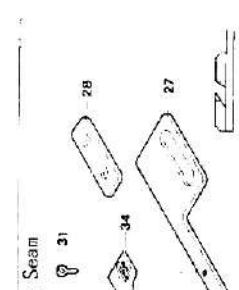
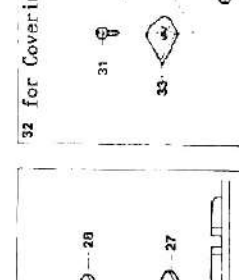
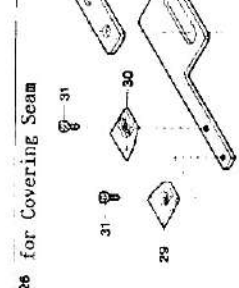
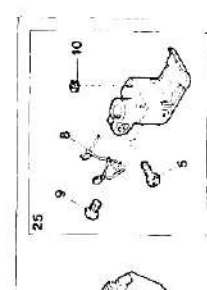
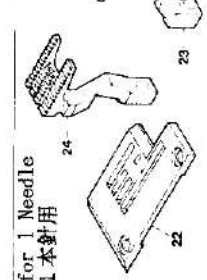
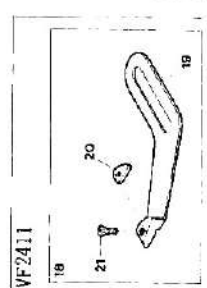
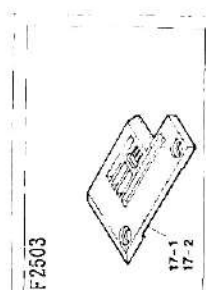
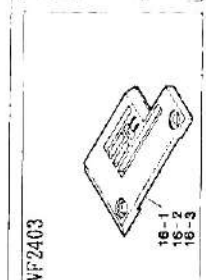
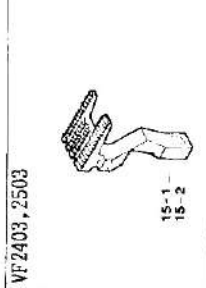
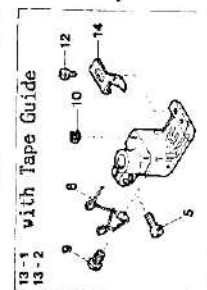
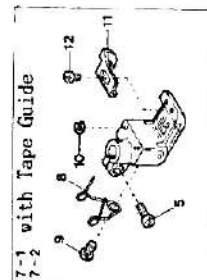
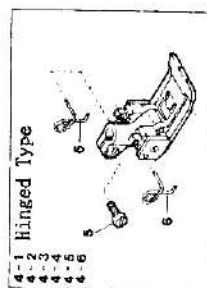
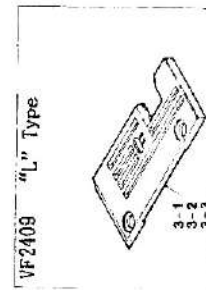
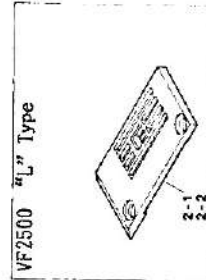
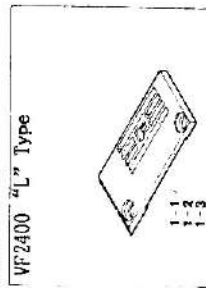
| No.  | Description |
|------|-------------|
| 26   | 3201118     |
| 27   | 3201117     |
| 28   | 3201120     |
| 29   | 3101224     |
| 30   | 3101223     |
| 31   | 110054      |
| 32   | 3201119     |
| 33   | 3101229     |
| 34   | 3101228     |
| 35-1 | 0093351     |
| 35-2 | 0093352     |
| 35-3 | 0093353     |
| 35-4 | 3009101     |
| 35-5 | 0093355     |
| 35-6 | 0093357     |
| 35-7 | 0093358     |
| 36   | 0093690     |
| 37   | 0095220     |

特注部品

| 品名                                                | Req. |
|---------------------------------------------------|------|
| Fabric Guide, C. Set (Covering Seam) 定規(組) (伏縫い用) | 1    |
| Fabric Guide Support                              | 1    |
| Fabric Guide Fixing Plate                         | 1    |
| Fabric Guide (Left)                               | 1    |
| Fabric Guide (Right)                              | 1    |
| Screws (M3-0.5x3.5)                               | 2    |
| Fabric Guide, C. Set (Covering Seam) 定規(組) (ネカシ用) | 1    |
| Fabric Guide (Left)                               | 1    |
| Fabric Guide (Right)                              | 1    |
| Needle Clamp (32) (2 Needle)                      | 1    |
| " (40)                                            | 1    |
| " (48)                                            | 1    |
| " (56)                                            | 1    |
| " (64)                                            | 1    |
| " (56) (3 Needle)                                 | 1    |
| " (64)                                            | 1    |
| Timing Gauge                                      | 1    |
| Looper Timing Gauge                               | 1    |

※ Ref.No.1 to 25 ..... See the preceding page.

## EXTRA PARTS



| <u>EXTRA PARTS</u> |         | <u>特注部品</u>                                       |                    |
|--------------------|---------|---------------------------------------------------|--------------------|
| Ref. Parts         | No.     | Description                                       | Amt. Req.          |
| 1-1                | 0095490 | Stitch Plate(32L)                                 | . . . . . 針板       |
| 1-2                | 0095491 | " (40L)                                           | . . . . . "        |
| 1-3                | 0095492 | " (48L)                                           | . . . . . "        |
| 2-1                | 0095493 | Stitch Plate(56L)                                 | . . . . . 針板       |
| 2-2                | 0095494 | " (64L)                                           | . . . . . "        |
| 3-1                | 0096041 | Stitch Plate(32L)                                 | . . . . . 針板       |
| 3-2                | 0096042 | " (40L)                                           | . . . . . "        |
| 3-3                | 0096043 | " (48L)                                           | . . . . . "        |
| 4-1                | 0063318 | Presser Foot, C. Set(32) (2 Needle) 押工(組) (2本針用)  | . . . . .          |
| 4-2                | 0063319 | " " (40)                                          | . . . . . "        |
| 4-3                | 0053320 | " " (48)                                          | . . . . . "        |
| 4-4                | 0063322 | " " (64)                                          | . . . . . "        |
| 4-5                | 0054041 | " " (56) (3 Needle) " " (3本針用)                    | . . . . .          |
| 4-6                | 0064042 | " " (64)                                          | . . . . . "        |
| 5                  | 001186  | Screw(9/64-40×7.8)                                | . . . . . 止ネジ      |
| 6                  | 0053289 | Presser Foot Spring                               | . . . . . 小押工パネ    |
| 7-1                | 3007029 | Presser Foot, C. Set(40) (2 Needle) 押工(組) (ガイド付き) | . . . . .          |
| 7-2                | 3007030 | " " (56) (3 Needle) " " "                         | . . . . .          |
| 8                  | 0095641 | Presser Foot Spring                               | . . . . . 押工パネ     |
| 9                  | 005133  | Screw(1/8-44×4.5)                                 | . . . . . 止ネジ      |
| 10                 | 0095642 | Retaining Ring                                    | . . . . . ストップリング  |
| 11                 | 3000003 | Tape Guide                                        | . . . . . テープガイド   |
| 12                 | 001228  | Screw(3/32-56×3.2)                                | . . . . . 止ネジ      |
| 13-1               | 0095730 | Presser Foot, C. Set(40) (2 Needle) 押工(組) (ガイド付き) | . . . . .          |
| 13-2               | 0095731 | " " (56) (3 Needle) " " "                         | . . . . .          |
| 14                 | 0095728 | Tape Guide                                        | . . . . . テープガイド   |
| 15-1               | 3209014 | Main Feed Dog (32,40,48,56)                       | . . . . . 後送り      |
| 15-2               | 3209016 | " (64)                                            | . . . . . "        |
| 16-1               | 0094210 | Stitch Plate(32)                                  | . . . . . 針板       |
| 16-2               | 0094211 | " (40)                                            | . . . . . "        |
| 16-3               | 0094212 | " (48)                                            | . . . . . "        |
| 17-1               | 0094901 | Stitch Plate(56)                                  | . . . . . 針板       |
| 17-2               | 0094902 | " (64)                                            | . . . . . "        |
| 18                 | 0095365 | Folder(Left), C. Set                              | . . . . . 定規(左)(組) |
| 19                 | 0095366 | Folder(Left)                                      | . . . . . 定規(左)    |
| 20                 | 0095367 | Folder Chip                                       | . . . . . 定規チップ    |
| 21                 | 004182  | Screw(3/32-56×2.5)                                | . . . . . 止ネジ      |
| 22                 | 0093981 | Stitch Plate(Single Needle)                       | . . . . . 針板(1本針用) |
| 23                 | 3209007 | Differential Feed Dog                             | . . . . . 前送り      |
| 24                 | 3209016 | Main Feed Dog                                     | . . . . . 後送り      |
| 25                 | 0093982 | Presser Foot, C. Set                              | . . . . . 押工(組)    |

※ Ref.No.26 to 37 ..... See the following page.

[illegible]

## VF2400 CLASS LIST of MAIN SPARE PARTS(主要部品リスト)(4)

| Main Parts<br>Models | Needle  | Presser<br>Foot,<br>C. Set | Stitch<br>Plate | Differential<br>Feed Dog | Main<br>Feed Dog | Front<br>Cover | Cloth<br>Plate<br>(Large) | Cloth<br>Plate<br>(Small) | Thread<br>Take-up<br>Cover | Stitch<br>Plate<br>Support | Looper  |
|----------------------|---------|----------------------------|-----------------|--------------------------|------------------|----------------|---------------------------|---------------------------|----------------------------|----------------------------|---------|
|                      | Clamp   |                            |                 |                          |                  |                |                           |                           |                            |                            |         |
|                      | 針止メ     | 押エ(組)                      | 針板              | 前送り                      | 後送り              | 前開キ<br>カバー     | 大カバー                      | 小カバー                      | カムカバー                      | 針板<br>取付板                  | ルーパ     |
| VF2500-148M          | 3209106 | 0095586                    | 0094800         | 3209001                  | 9209000          | 3200015        | 3200017                   | 3200014                   | 3200018                    | 3200032                    | 0095174 |
| 156M                 | 3209107 | 0095587                    | 0094801         | "                        | "                | "              | "                         | "                         | "                          | "                          | "       |
| /UT-A/ST-A           | "       | "                          | "               | "                        | "                | "              | 3201021                   | "                         | 3201025                    | "                          | "       |
| /K1                  | "       | "                          | 0095456         | "                        | "                | "              | 3201147                   | 3201146                   | 3201144                    | 3201143                    | "       |
| 、156S-PA/UT-A/ST-A   | "       | "                          | 3208000         | "                        | "                | 3201013        | 3201011                   | 3201012                   | 3201025                    | 3201014                    | "       |
| 164M                 | 3209108 | 0095588                    | 0094802         | 3209003                  | 3209002          | 3200034        | 3200017                   | 3200014                   | 3200035                    | 3200032                    | "       |
| /UT-A/ST-A           | "       | "                          | "               | "                        | "                | "              | 3201021                   | "                         | 3201034                    | "                          | "       |
| /UT                  | "       | "                          | "               | "                        | "                | "              | "                         | "                         | "                          | "                          | "       |
| /K1                  | "       | "                          | 0095457         | "                        | "                | "              | 3201147                   | 3201146                   | 3201145                    | 3201143                    | "       |
| 164S-PA/UT-A/ST-A    | "       | "                          | 3208001         | "                        | "                | 3201018        | 3201017                   | 3201012                   | 3201034                    | 3201014                    | "       |
| VF2503-156M          | 3209107 | 0094908                    | 0094921         | 3209005                  | 3209004          | 3201000        | 3200017                   | 3200014                   | 3201001                    | 3200032                    | "       |
| /EU5                 | "       | "                          | 0092330         | "                        | "                | "              | 3201100                   | 3201101                   | "                          | 3201102                    | "       |
| /EC                  | "       | "                          | 0094921         | "                        | "                | "              | "                         | 3200014                   | "                          | 3201121                    | "       |
| /FC                  | "       | "                          | "               | "                        | "                | "              | 3201111                   | "                         | "                          | 3200032                    | "       |
| 156M-11              | "       | 0095089                    | 0095085         | 3209009                  | 3209008          | "              | 3200017                   | "                         | "                          | "                          | "       |
| 164M                 | 3209108 | 0094909                    | 0094922         | 3209007                  | 3209006          | "              | "                         | "                         | "                          | "                          | "       |
| /EU5                 | "       | "                          | 0092331         | "                        | "                | "              | 3201100                   | 3201101                   | "                          | 3201102                    | "       |
| /EC                  | "       | "                          | 0094922         | "                        | "                | "              | "                         | 3200014                   | "                          | 3201121                    | "       |
| /FC                  | "       | "                          | "               | "                        | "                | "              | 3201111                   | "                         | "                          | 3200032                    | "       |
| 164M-11              | "       | 3007018                    | 3008025         | 3209009                  | 3209008          | "              | 3200017                   | "                         | "                          | "                          | "       |

## VF2400 CLASS LIST of MAIN SPARE PARTS(主要部品リスト)(4)

[illegible]

INDEX

| Model Plate      | Parts No. | Model Plate        | Parts No. |
|------------------|-----------|--------------------|-----------|
| VF2400-132M      | 3209400   | VF2500-148M        | 3209404   |
| 140M             | 3209401   | 156M               | 3209405   |
| /K1              | 3209447   | /K1                | 3209448   |
| 148M             | 3209402   | /UT-A4/ST-A        | 3209441   |
| 164M             | 3209403   | 156S-PA/UT-A4/ST-A | 3209444   |
| VF2403-132M      | 3209407   | /UT-A6/ST-A        | 3209445   |
| /EUS             | 3209419   | 164M               | 3209406   |
| /EC              | 3209462   | /K1                | 3209449   |
| /FC              | 3209450   | /UT-6              | 3209440   |
| 140M             | 3209408   | /UT-A4/ST-A        | 3209443   |
| /EUS             | 3209420   | /UT-A6/ST-A        | 3209442   |
| /EC              | 3209463   | 164S-PA/UT-A4/ST-A | 3209461   |
| /FC              | 3209451   | VF2503-156M        | 3209411   |
| 140M-11          | 3209413   | /EUS               | 3209422   |
| 148M             | 3209409   | /EC                | 3209465   |
| /EUS             | 3209421   | /FC                | 3209454   |
| /EC              | 3209464   | 156M-11            | 3209414   |
| /FC              | 3209452   | 164M               | 3209412   |
| 164M             | 3209410   | /EUS               | 3209423   |
| /FC              | 3209453   | /EC                | 3209466   |
| VF2409-124M      | 3209427   | /FC                | 3209455   |
| 132M             | 3209428   | 164M-11            | 3209415   |
| /EUS             | 3209472   | VF2509-156M        | 3209431   |
| /EC              | 3209467   | /EUS               | 3209475   |
| /FC              | 3209456   | /EC                | 3209470   |
| 140M             | 3209429   | /FC                | 3209459   |
| /EUS             | 3209473   | 164M               | 3209432   |
| /EC              | 3209468   | /EUS               | 3209476   |
| /FC              | 3209457   | /EC                | 3209471   |
| 148M             | 3209430   | /FC                | 3209460   |
| /EUS             | 3209474   |                    |           |
| /EC              | 3209459   |                    |           |
| /FC              | 3209458   |                    |           |
| VF2411-032L/UT-2 | 3209424   |                    |           |
| /UT-A2           | 3209416   |                    |           |
| 040L/UT-2        | 3209425   |                    |           |
| /UT-A2           | 3209417   |                    |           |
| 048L/UT-2        | 3209426   |                    |           |
| /UT-A1           | 3209439   |                    |           |
| /UT-A2           | 3209418   |                    |           |
| 032S/UT-2        | 3209478   |                    |           |
| /UT-A2           | 3209479   |                    |           |
| 040S/UT-2        | 3209480   |                    |           |
| 048S/UT-2        | 3209481   |                    |           |
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| /UT-A2           | 3209483   |                    |           |
|                  | 3209484   |                    |           |

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| 000002    | 30   | 37   |            | 000306    | 22   | 15   |            | 000538    | 18   | 12   |            |
| 000009    | 28   | 4    |            | 000306    | 26   | 13   |            | 000538    | 21   | 63   |            |
| 000009    | 31   | 7    |            | 000309    | 7    | 23   |            | 000538    | 33   | 25   |            |
| 000009    | 39   | 8    |            | 000322    | 23   | 47   |            | 000538    | 34   | 17   |            |
| 000010    | 2    | 6    |            | 000322    | 28   | 47   |            | 000538    | 35   | 6    |            |
| 000010    | 4    | 38   |            | 000334    | 4    | 40   |            | 000538    | 36   | 17   |            |
| 000011    | 26   | 10   |            | 000334    | 39   | 19   |            | 000541    | 3    | 27   |            |
| 000011    | 34   | 6    |            | 000335    | 21   | 12   |            | 000541    | 21   | 24   |            |
| 000011    | 36   | 6    |            | 000338    | 25   | 2    |            | 000541    | 25   | 42   |            |
| 000012    | 25   | 35   |            | 000338    | 30   | 2    |            | 000542    | 23   | 3    |            |
| 000014    | 5    | 47   |            | 000340    | 16   | 24   |            | 000547    | 4    | 39   |            |
| 000014    | 30   | 38   |            | 000340    | 24   | 39   |            | 000547    | 16   | 19   |            |
| 000014    | 38   | 15   |            | 000340    | 25   | 12   |            | 000548    | 7    | 3    |            |
| 000015    | 1    | 25   |            | 000340    | 29   | 39   |            | 000554    | 27   | 4    |            |
| 000016    | 26   | 5    |            | 000340    | 30   | 12   |            | 000555    | 6    | 27   |            |
| 000016    | 40   | 8    |            | 000340    | 37   | 13   |            | 000557    | 13   | 32   |            |
| 000016    | 41   | 10   |            | 000346    | 23   | 4    |            | 000557    | 38   | 6    |            |
| 000022    | 27   | 8    |            | 000355    | 22   | 21   |            | 000557    | 26   | 12   |            |
| 000023    | 33   | 27   |            | 000355    | 24   | 32   |            | 000557    | 24   | 5    |            |
| 000023    | 34   | 44   |            | 000355    | 29   | 35   |            | 000558    | 24   | 5    |            |
| 000023    | 35   | 22   |            | 000356    | 22   | 19   |            | 000558    | 24   | 5    |            |
| 000037    | 5    | 4    |            | 000356    | 24   | 30   |            | 000600    | 6    | 31   |            |
| 000070    | 26   | 3    |            | 000356    | 24   | 30   |            | 000600    | 11   | 43   |            |
| 000070    | 40   | 5    |            | 000358    | 29   | 33   |            | 000600    | 13   | 8    |            |
| 000070    | 41   | 7    |            | 000360    | 3    | 51   |            | 000600    | 39   | 7    |            |
| 000143    | 24   | 4    |            | 000360    | 5    | 53   |            | 000613    | 22   | 24   |            |
| 000143    | 24   | 23   |            | 000389    | 29   | 5    |            | 000623    | 32   | 8    |            |
| 000143    | 29   | 22   |            | 000417    | 25   | 38   |            | 000623    | 33   | 5    |            |
| 000147    | 42   | 6    |            | 000418    | 27   | 11   |            | 000636    | 13   | 6    |            |
| 000148    | 42   | 7    |            | 000419    | 13   | 40   |            | 000637    | 10   | 20   |            |
| 000149    | 42   | 9    |            | 000425    | 2    | 24   |            | 000637    | 19   | 21   |            |
| 000150    | 42   | 10   |            | 000425    | 31   | 18   |            | 000644    | 23   | 46   |            |
| 000151    | 42   | 12   |            | 000426    | 2    | 56   |            | 000644    | 27   | 7    |            |
| 000152    | 42   | 13   |            | 000426    | 14   | 21   |            | 000644    | 28   | 46   |            |
| 000153    | 42   | 16   |            | 000426    | 16   | 12   |            | 000644    | 30   | 33   |            |
| 000154    | 42   | 15   |            | 000426    | 28   | 3    |            | 000644    | 32   | 4    |            |
| 000156    | 42   | 20   |            | 000445    | 8    | 3    |            | 000644    | 33   | 26   |            |
| 000157    | 42   | 23   |            | 000463    | 5    | 45   |            | 000644    | 34   | 43   |            |
| 000158    | 42   | 27   |            | 000498    | 34   | 28   |            | 000644    | 35   | 21   |            |
| 000159    | 42   | 28   |            | 000505    | 11   | 38   |            | 000651    | 3    | 28   |            |
| 000162    | 26   | 4    |            | 000505    | 23   | 42   |            | 000552    | 21   | 4    |            |
| 000162    | 40   | 7    |            | 000505    | 28   | 42   |            | 000559    | 10   | 34   |            |
| 000162    | 41   | 9    |            | 000528    | 9    | 10   |            | 000559    | 11   | 42   |            |
| 000171    | 19   | 19   |            | 000528    | 26   | 11   |            | 000559    | 20   | 10   |            |
| 000177    | 3    | 6    |            | 000528    | 34   | 5    |            | 000559    | 31   | 6    |            |
| 000177    | 14   | 12   |            | 000528    | 36   | 5    |            | 000559    | 39   | 6    |            |
| 000177    | 15   | 11   |            | 000530    | 20   | 5    |            | 000576    | 26   | 7    |            |
| 000177    | 17   | 19   |            | 000530    | 21   | 58   |            | 000587    | 19   | 24   |            |
| 000182    | 21   | 51   |            | 000530    | 22   | 39   |            | 000590    | 8    | 20   |            |
| 000206    | 20   | 11   |            | 000530    | 34   | 25   |            | 000590    | 11   | 29   |            |
| 000210    | 11   | 39   |            | 000530    | 36   | 25   |            | 000590    | 23   | 35   |            |
| 000220    | 17   | 5    |            | 000532    | 3    | 23   |            | 000590    | 28   | 35   |            |
| 000220    | 20   | 27   |            | 000532    | 5    | 57   |            | 000726    | 1    | 32   |            |
| 000240    | 13   | 12   |            | 000532    | 30   | 34   |            | 000745    | 2    | 38   |            |
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| 001156    | 37       | 21       |            | 005115    | 36       | 10       |            |
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| 001174    | 6        | 21       |            | 005133    | 15       | 6        |            |
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| 001186    | 14       | 4        |            | 005328    | 38       | 18       |            |
| 001186    | 15       | 4        |            | 005343    | 24       | 37       |            |
| 001186    | 17       | 2        |            | 005343    | 29       | 42       |            |
| 001186    | 20       | 18       |            | 005345    | 25       | 8        |            |
| 001186    | 43       | 5        |            | 005345    | 30       | 8        |            |
| 001196    | 21       | 61       |            | 005422    | 25       | 24       |            |
| 001196    | 27       | 33       |            | 005422    | 30       | 24       |            |
| 001196    | 32       | 34       |            | 005431    | 3        | 35       |            |
| 001208    | 23       | 27       |            | 005431    | 25       | 16       |            |
| 001208    | 28       | 27       |            | 005505    | 30       | 16       |            |
| 001227    | 5        | 48       |            | 005511    | 11       | 40       |            |
| 001227    | 24       | 18       |            | 005512    | 34       | 30       |            |
| 001227    | 25       | 18       |            | 005512    | 36       | 30       |            |
| 001227    | 29       | 20       |            | 005526    | 25       | 3        |            |
| 001227    | 32       | 27       |            | 005526    | 30       | 3        |            |
| 001228    | 14       | 27       |            | 005542    | 8        | 37       |            |
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| 001228    | 20       | 24       |            | 005550    | 31       | 12       |            |
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| 001230    | 4        | 35       |            | 005550    | 36       | 24       |            |
| 001230    | 7        | 12       |            | 005554    | 16       | 4        |            |
| 001230    | 20       | 26       |            | 005571    | 38       | 16       |            |
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| 001457    | 10       | 27       |            | 005572    | 38       | 11       |            |
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| 001818    | 5        | 50       |            | 006004    | 2        | 5        |            |
| 001892    | 5        | 35       |            | 006004    | 4        | 37       |            |
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| 001892    | 17       | 15       |            | 006038    | 8        | 41       |            |
| 001892    | 19       | 50       |            | 006058    | 24       | 29       |            |
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| 009835    | 26       | 19       |            | 0010264   | 31       | 4        |            |
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| 0026418 | 5   | 22  |           |     |     | 0037659  | 13  | 30  |       |     | 0063610 | 24        | 11  |     |        |     |  |
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| 0031831 | 13  | 23  |           |     |     | 0060248  | 34  | 7   |       |     | 0065275 | 2         | 26  |     |        |     |  |
|         |     |     |           |     |     | 0060248  | 36  | 7   |       |     | 0065275 | 4         | 28  |     |        |     |  |
| 0032425 | 3   | 43  |           |     |     |          |     |     |       |     | 0065315 | 2         | 54  |     |        |     |  |
| 0032426 | 3   | 44  |           |     |     |          |     |     |       |     | 0065395 | 22        | 11  |     |        |     |  |
| 0032604 | 1   | 18  |           |     |     | 0063010  | 40  | 11  |       |     | 0065398 | 22        | 6   |     |        |     |  |
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| 120027    | 19       | 10       | 170020     | 2         | 44       | 350001   | 1          |
|           |          |          | 170021     | 10        | 14       | 350002   | 1          |
|           |          |          | 170026     | 21        | 8        | 1057029  | 35         |
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| 150001    | 11       | 28       | 190034     | 21        | 40       | 2100248  | 11         |
| 150001    | 18       | 8        | 250000     | 6         | 18       | 2100252  | 11         |
| 150001    | 19       | 28       | 250000     | 6         | 18       | 2100253  | 11         |
| 150001    | 21       | 15       | 290015     | 22        | 20       | 2100267  | 10         |
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| 3201093      | 21          | 25          | 3209011       | 14           | 29          |             |               |
| 3201094      | 41          | 1           | 3209012       | 20           | 31          |             |               |
| 3201095      | 41          | 15          | 3209013       | 20           | 32          |             |               |
| 3201096      | 41          | 14          | 3209014       | 43           | 15-1        |             |               |
| 3201097      | 41          | 17          | 3209016       | 43           | 15-2        |             |               |
| 3201100      | 34          | 34          | 3209016       | 43           | 24          |             |               |
| 3201101      | 36          | 34          | 3209018       | 15           | 28-1        |             |               |
| 3201102      | 35          | 9           | 3209020       | 15           | 28-2        |             |               |
| 3201103      | 35          | 5           | 3209100       | 7            | 7-1         |             |               |
| 3201104      | 34          | 2           | 3209101       | 7            | 7-2         |             |               |
| 3201105      | 36          | 2           | 3209101       | 20           | 29-1        |             |               |
| 3201105      | 36          | 16          | 3209102       | 20           | 29-2        |             |               |
| 3201106      | 34          | 14          | 3209102       | 7            | 7-3         |             |               |
| 3201107      | 36          | 1           | 3209103       | 7            | 7-4         |             |               |
| 3201108      | 35          | 1           | 3209105       | 20           | 29-4        |             |               |
| 3201111      | 37          | 25          | 3209105       | 14           | 1-1         |             |               |
| 3201112      | 37          | 10          | 3209107       | 15           | 1-1         |             |               |
| 3201113      | 37          | 15          | 3209107       | 17           | 14-1        |             |               |
| 3201114      | 37          | 5           | 3209107       | 20           | 34-1        |             |               |
| 3201117      | 43          | 27          | 3209108       | 14           | 1-3         |             |               |
| 3201118      | 43          | 26          | 3209108       | 15           | 1-2         |             |               |
| 3201119      | 43          | 32          | 3209108       | 17           | 14-2        |             |               |
| 3201120      | 43          | 28          | 3209108       | 20           | 34-2        |             |               |
| 3201121      | 34          | 33          | 3209200       | 9            | 25          |             |               |
| 3201122      | 34          | 1           | 3209920       | 37           | 1           |             |               |
| 3201140      | 38          | 4           | 3209923       | 38           | 1           |             |               |
| 3201141      | 38          | 2           | 3209930       | 27           | 1           |             |               |
| 3201142      | 38          | 7           | 3209931       | 32           | 1           |             |               |