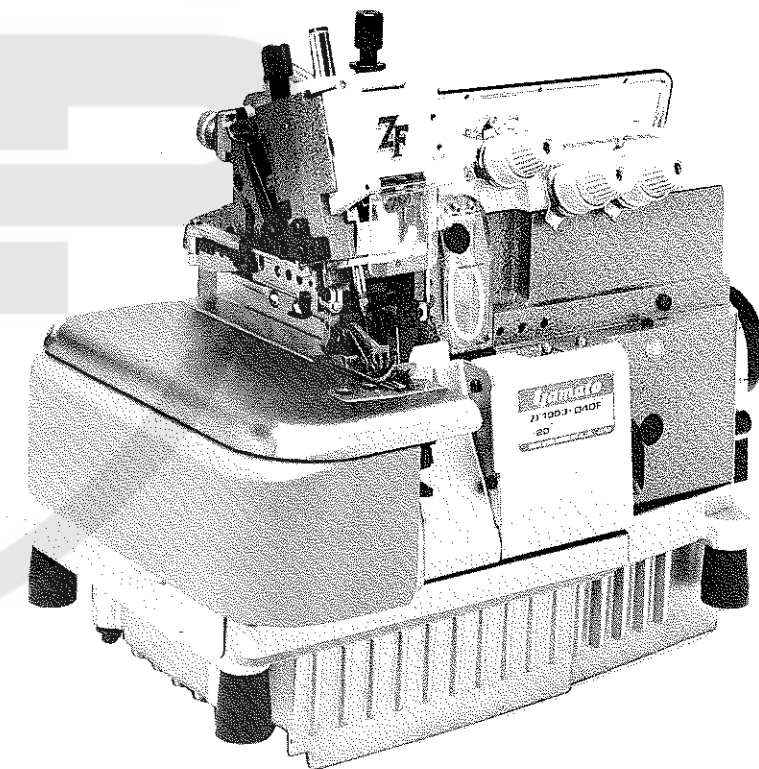


# ***Jamato***<sup>®</sup>

INDUSTRIAL SEWING MACHINE

ILLUSTRATED SPARE PARTS LIST  
FOR  
HIGH SPEED  
TOP FEEDING OVERLOCK MACHINE



## MODELS & DEVICES

ZF1020    ZF1003    ZF1025

ZF1026    ZR1020

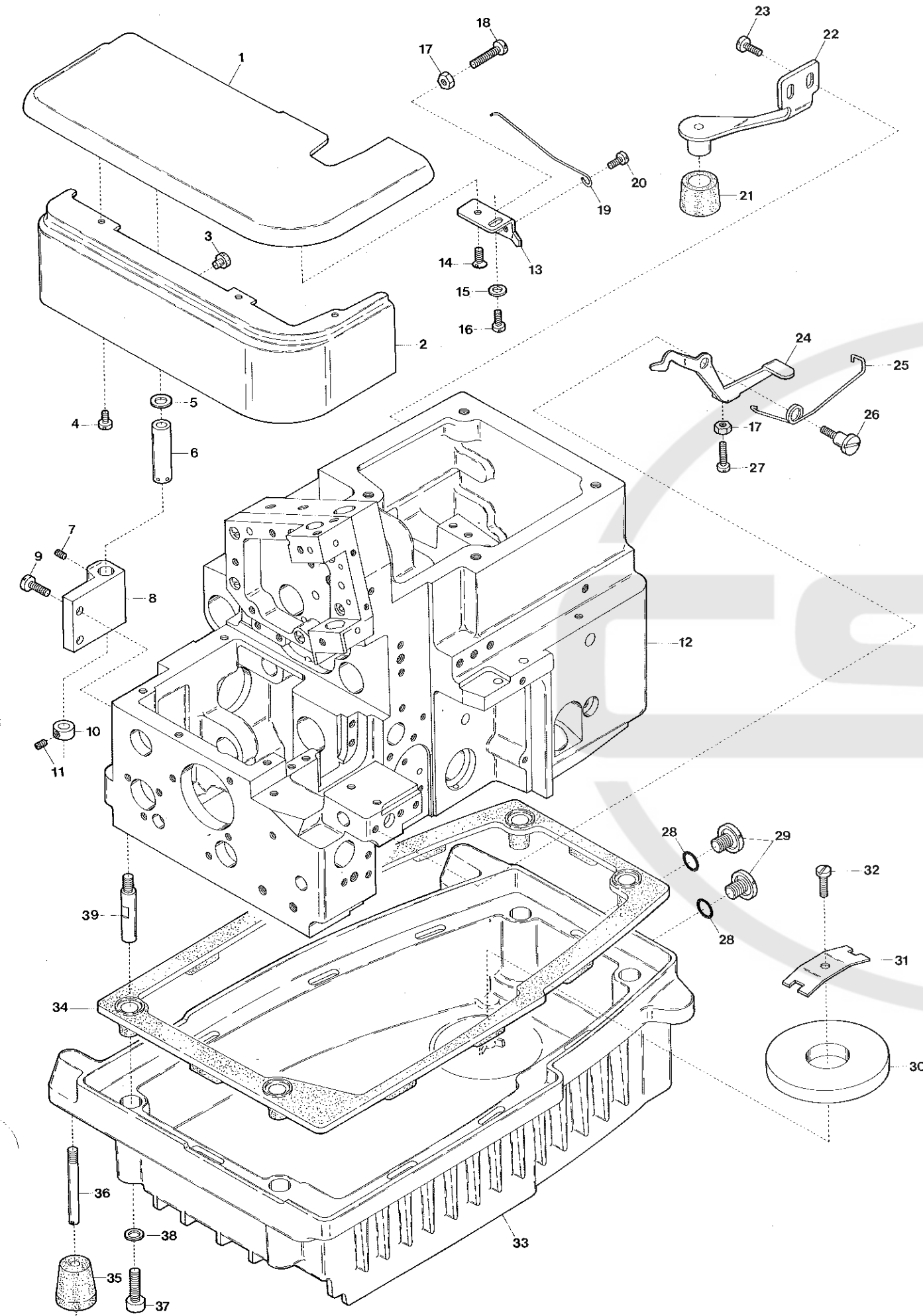
— C — K — TG — SG — SG-M — SG-A —  
— MT36 — MU35 — MU36 — BT13 — SP — HR —

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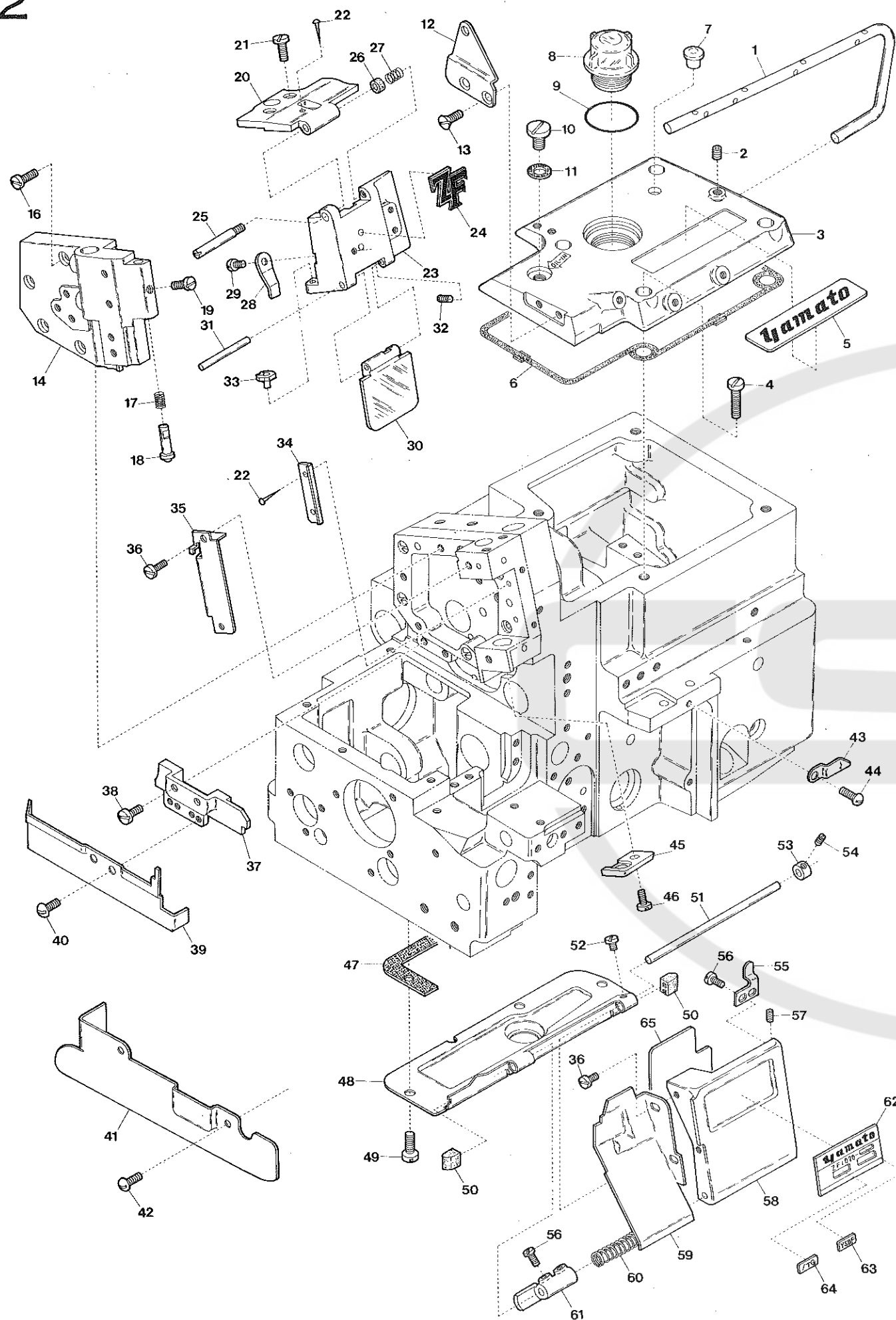
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Illustration of this Parts Book is based on the Model ZF 1020-Y with Flat Knife.  
このパーツブックはZF1020-Y(平メス装備)を基本モデルにしてイラストを作成しております。



| Ref.<br>No. | Parts<br>No. | Description                       | 品 品             | Amt.<br>Req. |
|-------------|--------------|-----------------------------------|-----------------|--------------|
| 1           | 24036        | Cloth Plate                       | クロスプレート         | 1            |
| 2           | 24038        | Cloth Plate (Lower)               | クロスプレート(下)      | 1            |
| 3           | 24187        | Rubber Cushion for 24038          | クロスプレート(下)埋メ座   | 1            |
| 4           | 4353         | Screw for 24038                   | クロスプレート(下)止ネジ   | 3            |
| 5           | 528          | Washer for 24036                  | ワッシャ            | 1            |
| 6           | 34637        | Cloth Plate Eccentric Bushing     | クロスプレートエキセンブッシュ | 1            |
| 7           | 7650         | Screw for 34637                   | エキセンブッシュ止ネジ     | 2            |
| 8           | 24039        | Cloth Plate Hinge                 | クロスプレートヒンジ      | 1            |
| 9           | 5089         | Screw for 24039                   | クロスプレートヒンジ止ネジ   | 2            |
| 10          | 34505        | Cloth Plate Hinge Pin Collar      | クロスプレートヒンジピンカラー | 1            |
| 11          | 1459         | Screw for 34505                   | ヒンジピンカラー止ネジ     | 1            |
| 12          | 26002        | Machine Frame                     | フレーム            | 1            |
| 13          | 20035        | Cloth Plate Latch Bracket         | クロスプレートラッチ      | 1            |
| 14          | 9143         | Screw for 20035                   | クロスプレートラッチ止ネジ   | 1            |
| 15          | 532          | Washer for 20035                  | ワッシャ            | 1            |
| 16          | 4358         | Screw for 20035                   | クロスプレートラッチ止ネジ   | 1            |
| 17          | 335          | Stopper Nut for 24036, 20036      | ナット             | 2            |
| 18          | 1170         | Stopper Screw for 24036           | クロスプレートストップバネ   | 1            |
| 19          | 34510        | Cloth Plate Spring                | クロスプレート戻シバネ     | 1            |
| 20          | 7006         | Screw for 34510                   | クロスプレート戻シバネ止ネジ  | 1            |
| 21          | 32976        | Machine Frame Stay Rubber Cushion | フレーム支エゴム座       | 1            |
| 22          | 24197        | Machine Frame Stay                | フレーム支エ          | 1            |
| 23          | 4440         | Screw for 24197                   | フレーム支エ止ネジ       | 2            |
| 24          | 20036        | Cloth Plate Latch                 | クロスプレートフック      | 1            |
| 25          | 20038        | Cloth Plate Latch Spring          | クロスプレートストップバネ   | 1            |
| 26          | 4213         | Screw for 20036                   | クロスプレートフック止ネジ   | 1            |
| 27          | 1132         | Adjusting Screw for 20036         | クロスプレートフック調節ネジ  | 1            |
| 28          | 32421        | Drain Hole Seal                   | Oリング            | 2            |
| 29          | 5076         | Drain Hole Screw                  | 油抜キネジ           | 2            |
| 30          | 35149        | Oil Reservoir Magnet              | 油受ケマグネット        | 1            |
| 31          | 35150        | Oil Reservoir Magnet Holder       | 油受ケマグネット押工      | 1            |
| 32          | 9150         | Screw for 35150                   | 油受ケマグネット押工止ネジ   | 1            |
| 33          | 20048        | Oil Reservoir                     | 油受ケ             | 1            |
| 34          | 20049        | Oil Reservoir Gasket              | 油受ケパッキン         | 1            |
| 35          | 20053        | Oil Reservoir Rubber Cushion      | 防振ゴム            | 4            |
| 36          | 6816         | Screw for 20053                   | 防振ゴム止ネジ         | 4            |
| 37          | 5108         | Screw for 20048                   | 油受ケ止ネジ          | 4            |
| 38          | 184          | Washer for 20048                  | ワッシャ            | 4            |
| 39          | 20080        | Oil Reservoir Positioning Bar     | 油受ケ固定棒          | 4            |

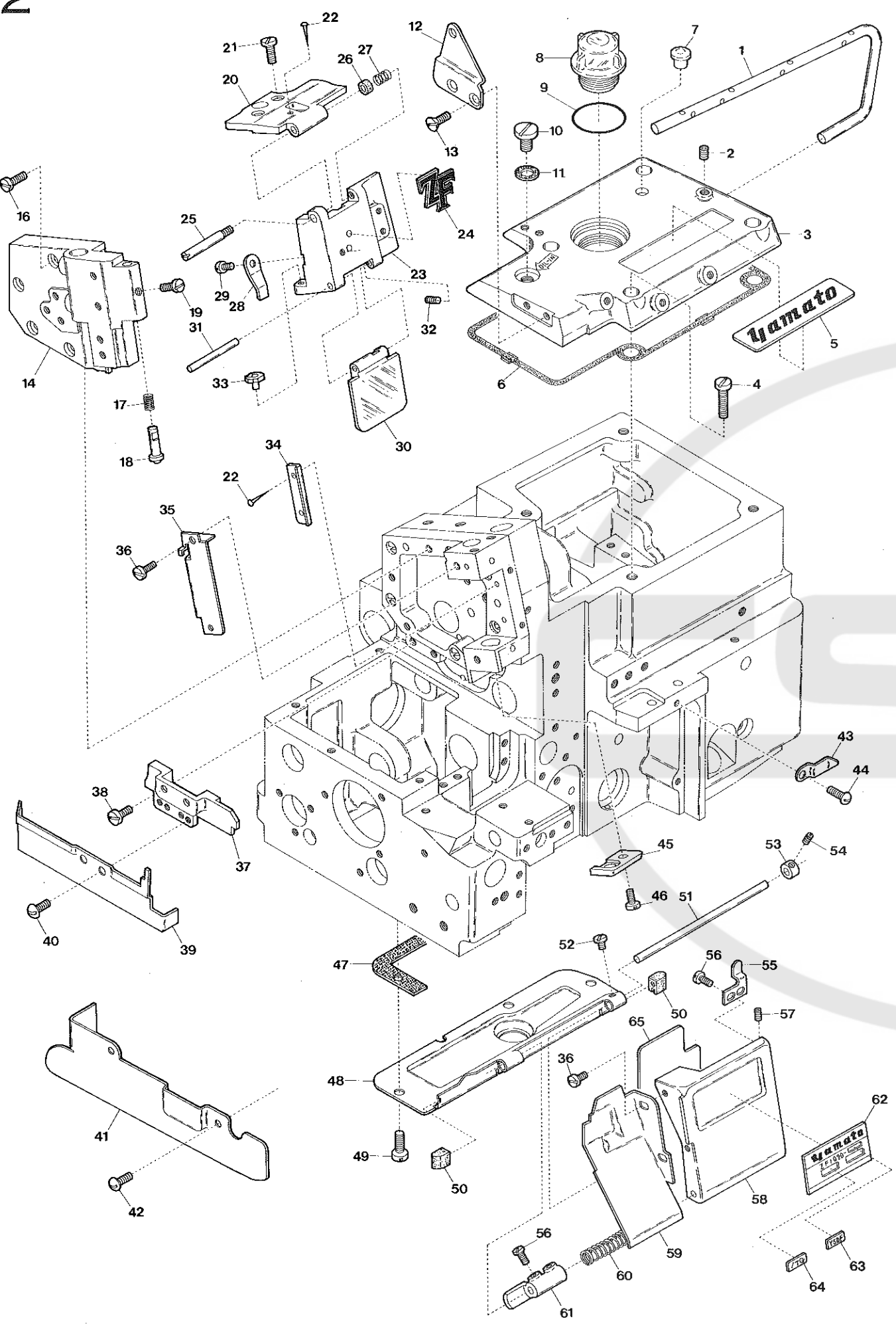


## MISCELLANEOUS COVERS(2)-1

## カバー関係(2)-1

| Ref.<br>No. | Parts<br>No. | Description                              | 品名            | Amt.<br>Req. |
|-------------|--------------|------------------------------------------|---------------|--------------|
| 1           | 26022        | Thread Lead Bar                          | 糸道棒           | 1            |
| 2           | 3635         | Screw for 26022                          | 糸道棒止ネジ        | 1            |
| 3           | 26301        | Top Cover                                | 上カバー          | 1            |
| 4           | 5083         | Screw for 26301                          | 上カバー止ネジ       | 4            |
| 5           | 916          | Brand Name Plate                         | 銘板            | 1            |
| 6           | 26007        | Top Cover Gasket                         | 上カバーパッキン      | 1            |
| 7           | 32612        | Top Cover Packing Piece                  | 上カバー詰栓        | 1            |
| 8           | 20004        | Oil Cap                                  | オイルキャップ       | 1            |
| 9           | 20005        | Oil Cap Seal                             | オイルキャップOリング   | 1            |
| 10          | 5075         | Oil Hole Screw                           | 給油口蓋ネジ        | 1            |
| 11          | 525          | Oil Hole Seal                            | 蓋ネジパッキン       | 1            |
| 12          | 26023        | Thread Lead Bar Holder                   | 糸道棒振止め        | 1            |
| 13          | 5343         | Screw for 26023                          | 糸道棒振止め止ネジ     | 2            |
| 14          | 26004        | Side Cover                               | 側面カバー         | 1            |
| 15          |              |                                          |               |              |
| 16          | 4445         | Screw for 26004                          | 側面カバー止ネジ      | 4            |
| 17          | 22261        | Needle Thread Cover Latch Pin Spring     | 針糸カバーフックピンバネ  | 1            |
| 18          | 22764        | Needle Thread Cover Latch Pin            | 針糸カバーフックピン    | 1            |
| 19          | 1228         | Screw for 22764                          | 針糸カバーフックピン止ネジ | 1            |
| 20          | 26010        | Needle Thread Cover Hinge                | 針糸カバーヒンジ      | 1            |
| 21          | 1223         | Screw for 26010                          | 針糸カバーヒンジ止ネジ   | 2            |
| 22          | 726          | Rivet for 26010, 24188                   | 止メ鉄           | 3            |
| 23          | 24025        | Needle Thread Cover                      | 針糸カバー         | 1            |
| 24          | 1047         | "ZF" Mark                                | ZFマーク         | 1            |
| 25          | 24026        | Needle Thread Cover Hinge Pin            | 針糸カバーヒンジピン    | 1            |
| 26          | 396          | Stop Rubber for 22371                    | ゴム座           | 1            |
| 27          | 22371        | Needle Thread Cover Stop Spring          | 針糸カバー圧着バネ     | 1            |
| 28          | 24159        | Safety Platch Spring                     | アイガードヒンジバネ    | 1            |
| 29          | 7006         | Screw for 24159                          | アイガードヒンジバネ止ネジ | 1            |
| 30          | 24028        | Safety Plate                             | アイガード         | 1            |
| 31          | 24082        | Safety Plate Hinge Pin                   | アイガードヒンジピン    | 1            |
| 32          | 1459         | Screw for 24082                          | アイガードヒンジピン止ネジ | 1            |
| 33          | 22259        | Needle Thread Cover Latch Pin Stopper    | 針糸カバーフックピン受け座 | 1            |
| 34          | 24188        | Needle Bar Connecting Link Cover (Right) | 針棒カバー(右)      | 1            |
| 35          | 24011        | Needle Bar Connecting Link Cover (Rear)  | 針棒カバー(後)      | 1            |
| 36          | 5000         | Screw for 24011, 24043                   | 止ネジ           | 4            |
| 37          | 26015        | Machine Frame Bracket                    | フレームブラケット     | 1            |
| 38          | 9853         | Screw for 26015                          | フレームブラケット止ネジ  | 2            |
| 39          | 26016        | Fabric Guide                             | 布案内           | 1            |
| 40          | 1331         | Screw for 26016                          | 布案内止ネジ        | 2            |

※ Ref. No. 41 to 65.....See the following page.



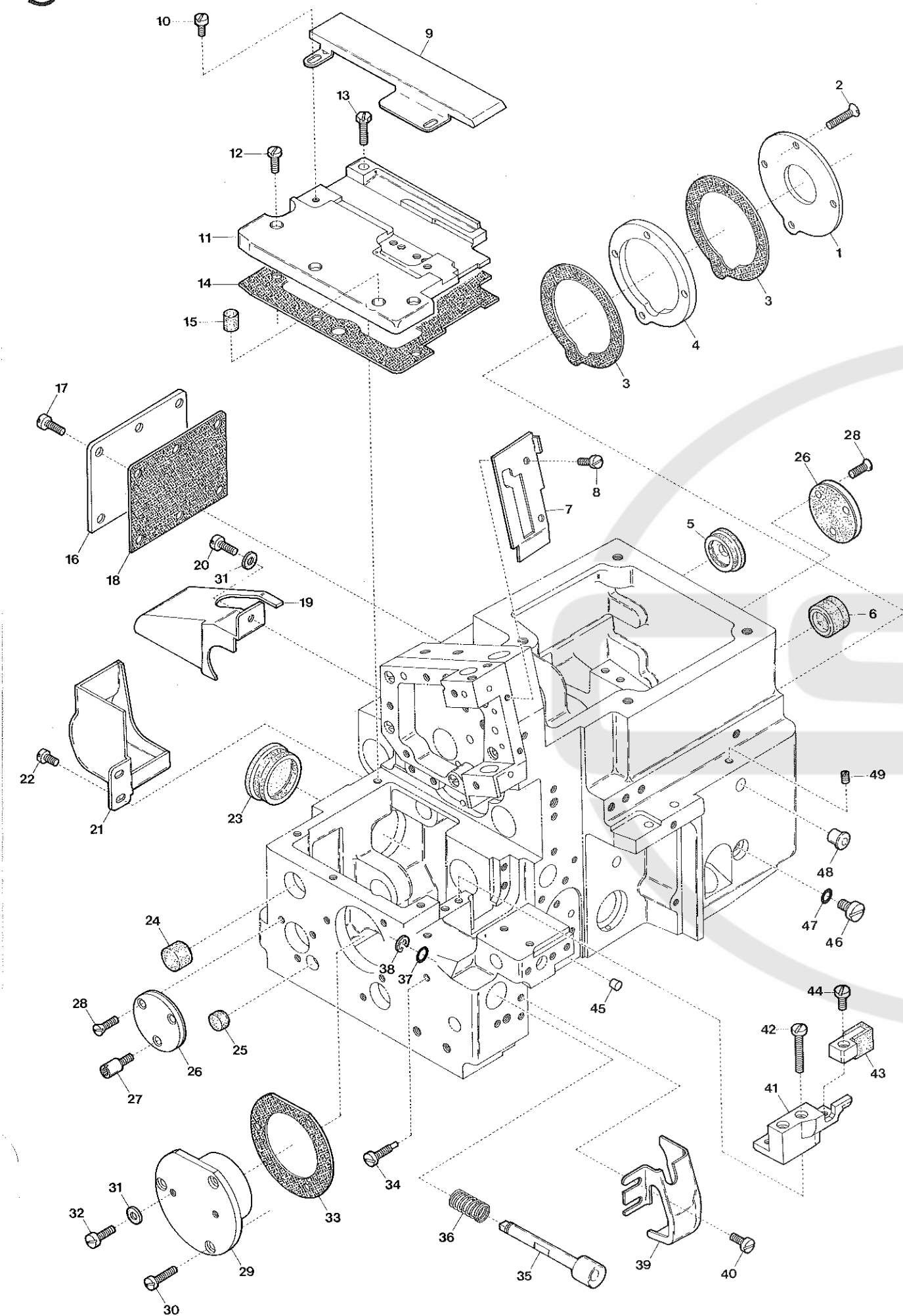
※ Ref. No. 1 to 40..... See the preceding page.

| Ref. No. | Parts No. | Description                           | 品名              | Amt. Req. |
|----------|-----------|---------------------------------------|-----------------|-----------|
| 41       | 21728     | Dust-proof Cover (Left)               | 防塵カバー(左)        | 1         |
| 42       | 1330      | Screw for 21728                       | 防塵カバー(左)止ネジ     | 2         |
| 43       | 24165     | Front Cover Latch Spring              | 前カバーラッチバネ       | 1         |
| 44       | 9121      | Screw for 24165                       | 前カバーラッチバネ止ネジ    | 1         |
| 45       | 26260     | Needle Bar Oil Defender               | 針棒油受け           | 1         |
| 46       | 1202      | Screw for 26260                       | 針棒油受け止ネジ        | 1         |
| 47       | 24134     | Front Cover Hinge Gasket              | 前カバーヒンジパッキン     | 1         |
| 48       | 24041     | Front Cover Hinge                     | 前カバーヒンジ         | 1         |
| 49       | 4440      | Screw for 24041                       | 前カバーヒンジ止ネジ      | 4         |
| 50       | 24072     | Front Cover Hinge Spacer              | 前カバーヒンジスペーサ     | 2         |
| 51       | 24154     | Front Cover Hinge Pin                 | 前カバーヒンジピン       | 1         |
| 52       | 7616      | Screw for 24154                       | 前カバーヒンジピン止ネジ    | 1         |
| 53       | 33081     | Front Cover Hinge Pin Collar          | 前カバーヒンジピンカラー    | 1         |
| 54       | 5310      | Screw for 33081                       | 前カバーヒンジピンカラー止ネジ | 1         |
| 55       | 24085     | Front Cover Hook                      | 前カバーフック         | 1         |
| 56       | 9730      | Screw for 24085, 24164                | 止ネジ             | 4         |
| 57       | 3637      | Screw for 24154                       | 前カバー止ネジ         | 2         |
| 58       | 24042     | Front Cover                           | 前カバー            | 1         |
| 59       | 24043     | Chip Guard (Openable)                 | 切屑落し板           | 1         |
| 60       | 24095     | Front Cover Hinge Spring              | 前カバーヒンジバネ       | 1         |
| 61       | 24164     | Front Cover Hook                      | 前カバーフック         | 1         |
| 62       | —         | Model Plate (See the Table)           | 型式板(下表参照)       | 1         |
| 63       | —         | Gauge Indicate Plate (See the Table)  | ゲージ記号板(下表参照)    | 1         |
| 64       | —         | Device Indicate Plate (See the Table) | デバイス記号板(下表参照)   | 1         |
| 65       | —         | Threading Chart (See the Table)       | 糸通図(下表参照)       | 1         |

| Models    | Parts No.<br>(Model Plate) | Parts No.<br>(Threading Chart) |
|-----------|----------------------------|--------------------------------|
| ZF1003    | 18619                      | 2593                           |
| ZF1020    | 18620                      | 2590                           |
| ZF1025    | 18622                      | 〃                              |
| ZF1026    | 18621                      | 〃                              |
| ZF1020    | 18635                      | 〃                              |
| ZF1003/MU | —                          | 2594                           |
| ZF1020/MU | —                          | 2592                           |
| ZF1020/BT | —                          | 〃                              |

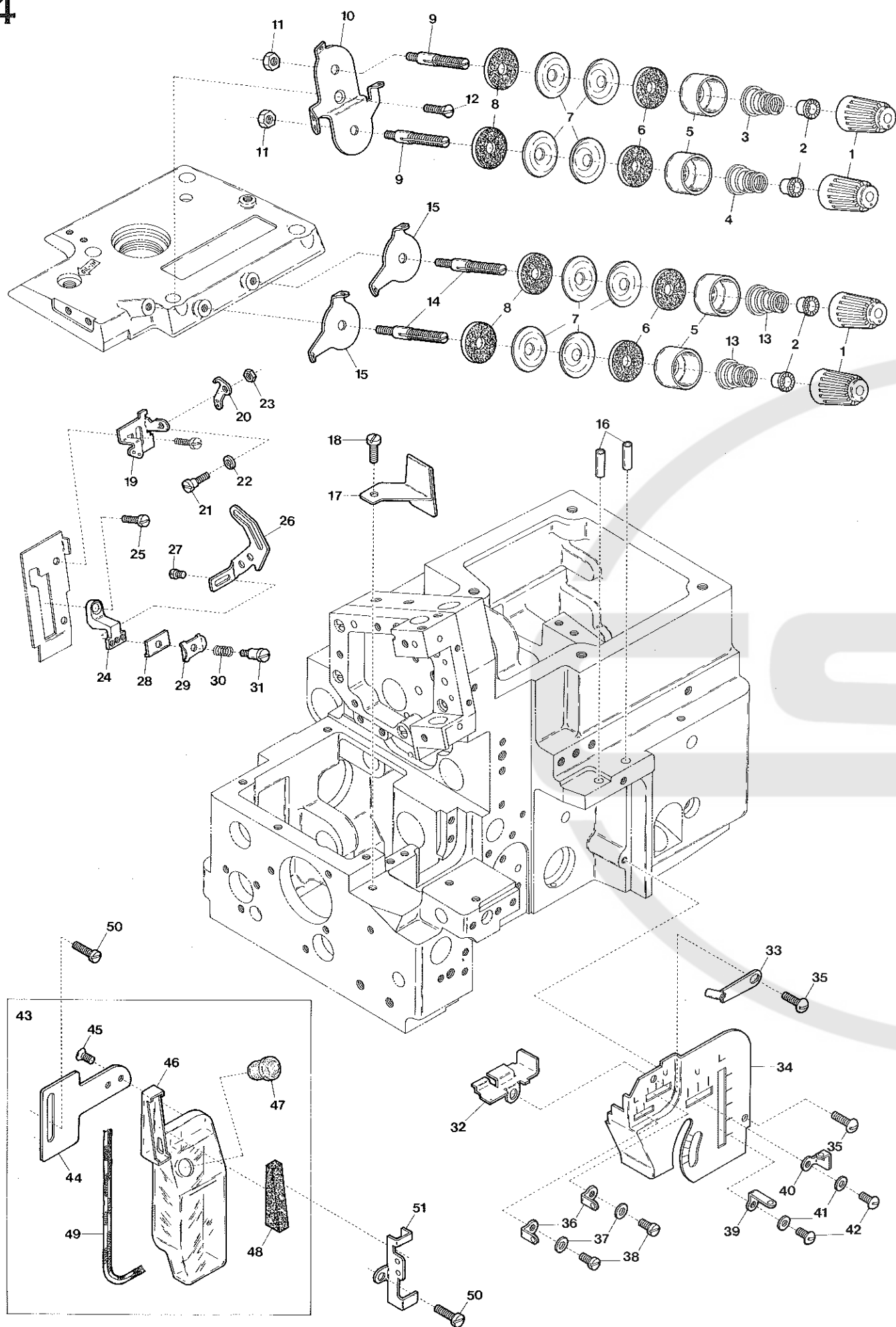
| Gauge Indicate Plate<br>and Parts No. |       |
|---------------------------------------|-------|
| O3DF                                  | 20850 |
| O3DA                                  | 20851 |
| O4DF                                  | 20852 |
| O4DA                                  | 20853 |
| O5DF                                  | 20854 |
| O5DA                                  | 20855 |
| O6DF                                  | 20856 |
| O6DA                                  | 20857 |
| X4DF                                  | 20791 |
| X4DA                                  | 20792 |
| X5DF                                  | 20798 |
| X5DA                                  | 20799 |
| Y5DF                                  | 20817 |
| Y5DA                                  | 20818 |
| Y6DF                                  | 20814 |
| Y6DA                                  | 20815 |

| Device Indicate Plate<br>and Parts No. |       |
|----------------------------------------|-------|
| -20                                    | 18728 |
| /TG                                    | 18812 |
| /SG                                    | 18813 |
| /TG/SG                                 | 18822 |
| /K                                     | 18700 |
| /MT36                                  | 11546 |
| /MU35                                  | 11547 |
| /MU36                                  | 11548 |



## MISCELLANEOUS COVER(3)

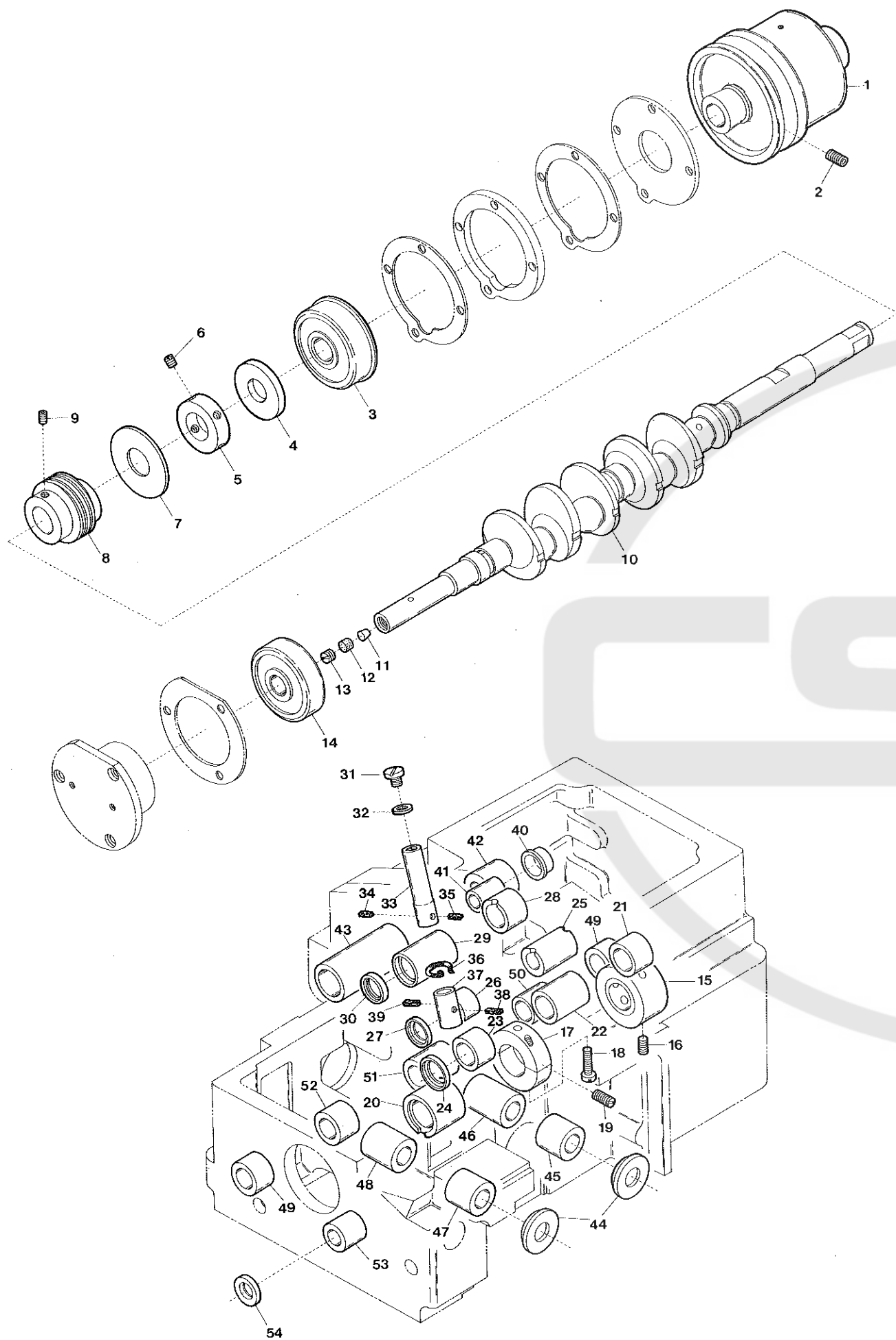
| Ref. No. | Parts No. | Description                              | 品名               | Amt. Req. |
|----------|-----------|------------------------------------------|------------------|-----------|
| 1        | 24093     | Ball Bearing Holder                      | ベアリング押工          | 1         |
| 2        | 5043      | Screw for 24093                          | ベアリング押工止ネジ       | 4         |
| 3        | 24092     | Ball Bearing Spacer Gasket               | ベアリングスペーサパッキン    | 2         |
| 4        | 24091     | Ball Bearing Spacer                      | ベアリングスペーサ        | 1         |
| 5        | 26092     | Top Feed Dog Bar Shaft Oil Shield        | 上送り軸詰栓           | 1         |
| 6        | 36518     | Upper Knife Driving Shaft Oil Shield     | 上メス軸詰栓           | 1         |
| 7        | 24010     | Needle Bar Connecting Link Cover (Front) | 針棒カバー(前)         | 1         |
| 8        | 1223      | Screw for 24010                          | 針棒カバー(前)止ネジ      | 2         |
| 9        | 26014     | Cloth Plate Cover                        | クロスプレートカバー       | 1         |
| 10       | 1203      | Screw for 26014                          | クロスプレートカバー止ネジ    | 2         |
| 11       | 26013     | Feed Mechanism Cover                     | 送り合カバー           | 1         |
| 12       | 4437      | Screw for 26013                          | 送り合カバー止ネジ        | 3         |
| 13       | 5542      | Screw for 26013                          | 送り合カバー止ネジ        | 1         |
| 14       | 24162     | Feed Mechanism Cover Gasket              | 送り合カバーパッキン       | 1         |
| 15       | 20072     | Rubber Cushion                           | 埋メ座(中)           | 1         |
| 16       | 26008     | Tail Cover                               | 後蓋               | 1         |
| 17       | 4406      | Screw for 26008                          | 後蓋止ネジ            | 6         |
| 18       | 26009     | Tail Cover Gasket                        | 後蓋パッキン           | 1         |
| 19       | 26011     | Rear Cover (Upper)                       | 後カバー(上)          | 1         |
| 20       | 4440      | Screw for 26011                          | 後カバー(上)止ネジ       | 1         |
| 21       | 26012     | Rear Cover (Lower)                       | 後カバー(下)          | 1         |
| 22       | 1202      | Screw for 26012                          | 後カバー(下)止ネジ       | 2         |
| 23       | 20047     | Feed Adjusting Window Cap                | 送り調節窓蓋           | 1         |
| 24       | 20052     | Eccentric Pin Oil Shield                 | エキセンピン詰栓         | 1         |
| 25       | 20051     | Feed Driving Connecting Rod Oil Shield   | 送りロッドピン詰栓        | 1         |
| 26       | 33013     | Feed Driving Shaft End Cap               | 送り軸蓋             | 2         |
| 27       | 4145      | Screw for 33013                          | 送り軸蓋止ネジ          | 1         |
| 28       | 5345      | Screw for 33013                          | 送り軸蓋止ネジ          | 5         |
| 29       | 21021     | Ball Bearing Housing                     | ボールベアリングハウジング    | 1         |
| 30       | 4406      | Screw for 21021                          | ボールベアリングハウジング止ネジ | 3         |
| 31       | 550       | Seal for 21021, 26011                    | パッキン             | 3         |
| 32       | 9944      | Screw for 21021                          | ネジ蓋              | 2         |
| 33       | 20161     | Ball Bearing Housing Gasket              | ハウジングパッキン        | 1         |
| 34       | 5094      | Screw for 20470                          | プッシュボタンガイドネジ     | 1         |
| 35       | 20470     | Feed Regulating Pushbutton               | プッシュボタン          | 1         |
| 36       | 33131     | Feed Regulating Pushbutton Spring        | プッシュボタンバネ        | 1         |
| 37       | 20472     | Seal for 20470                           | オリング             | 1         |
| 38       | 33024     | Retaining Ring for 20472                 | ストップリング          | 1         |
| 39       | 22835     | Front Cover (Left)                       | 前カバー(左)          | 1         |
| 40       | 9853      | Screw for 22835                          | 前カバー(左)止ネジ       | 2         |
| 41       | 24046     | Stitch Plate Stay                        | 針板支工             | 1         |
| 42       | 9931      | Screw for 24046                          | 針板支工止ネジ          | 2         |
| 43       | 24048     | Feed Mechanism Front Shield (Upper) Unit | 送り前カバー(上)(組)     | 1         |
| 44       | 4351      | Screw for 24048                          | 送り前カバー(上)止ネジ     | 1         |
| 45       | 760       | Seal Plug for Machine Frame              | 詰栓               | 1         |
| 46       | 5078      | Screw for Machine Frame                  | フレームネジ蓋          | 1         |
| 47       | 20538     | Seal for 5078                            | オリング             | 1         |
| 48       | 32612     | Packing Piece                            | 詰栓               | 1         |
| 49       | 4435      | Screw for 32612                          | 詰栓止ネジ            | 1         |



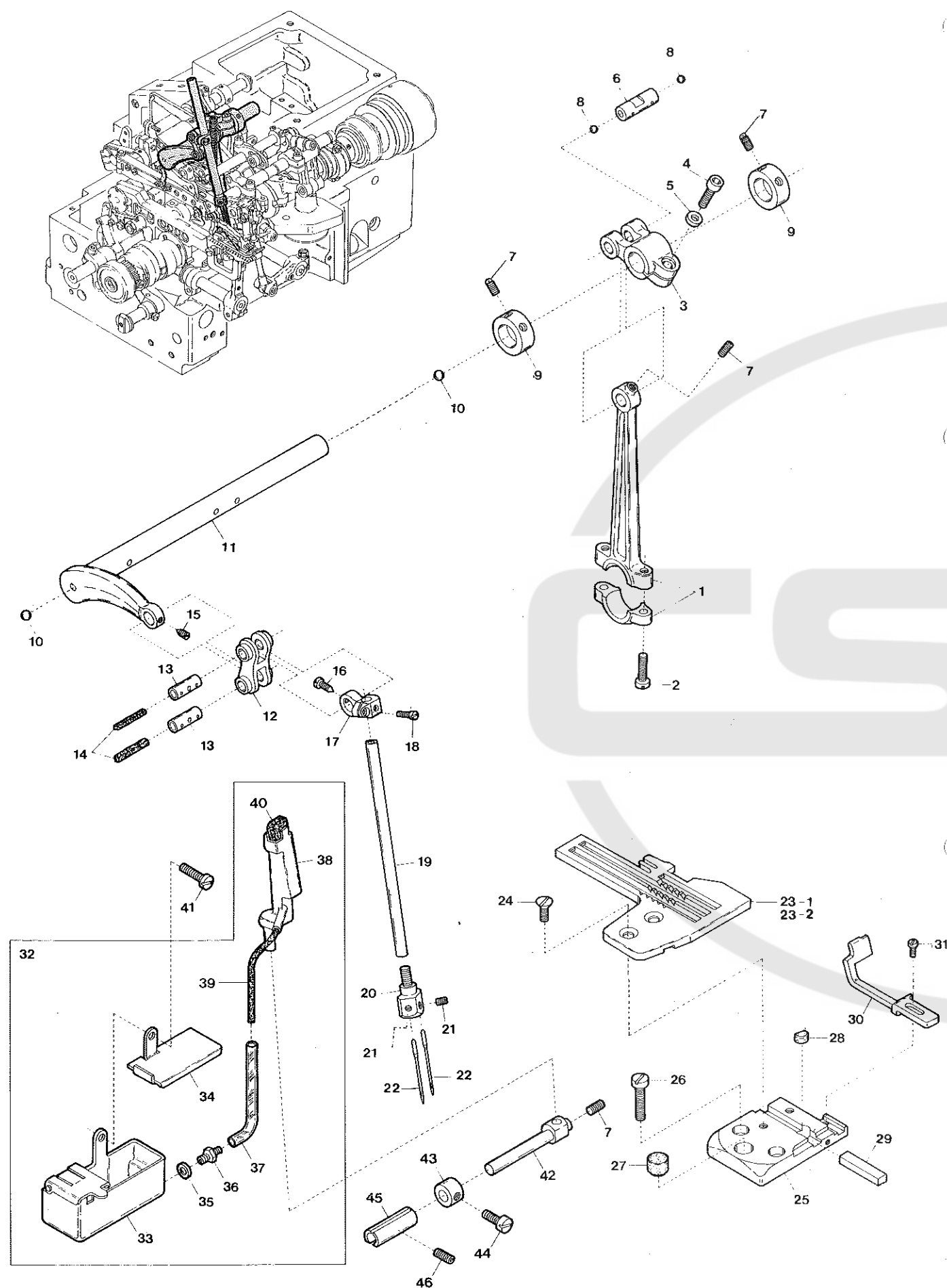
## MISCELLANEOUS THREAD EYELETS

## 糸道関係

| Ref. No. | Parts No. | Description                                | 品名           | Amt. Req. |
|----------|-----------|--------------------------------------------|--------------|-----------|
| 1        | 24084     | Thread Tension Spring Cap                  | 糸調子バネキャップ(上) | 4         |
| 2        | 24083     | Tension Spring Bushing                     | 糸調子ナット回り止メ   | 4         |
| 3        | 24156     | Needle Thread Tension Spring               | 針糸調子バネ       | 1         |
| 4        | 32971     | Needle Thread Tension Spring               | 針糸調子バネ       | 1         |
| 5        | 20118     | Thread Tension Spring Retainer             | 糸調子バネキャップ(下) | 4         |
| 6        | 178       | Felt for 31111                             | フェルト         | 4         |
| 7        | 31111     | Tension Disc                               | 糸調子皿         | 8         |
| 8        | 177       | Felt for 31111                             | フェルト         | 4         |
| 9        | 4265      | Tension Post (Short)                       | 糸調子棒(短)      | 2         |
| 10       | 22970     | Tension Disc Eyelet for Needle Thread      | 針糸調子台糸道      | 1         |
| 11       | 340       | Nut for 4265                               | ナット          | 2         |
| 12       | 7128      | Screw for 22970                            | 針糸調子台糸道止ネジ   | 1         |
| 13       | 24157     | Upper & Lower Looper Thread Tension Spring | ルーバ糸調子バネ     | 2         |
| 14       | 7906      | Tension Post (Long)                        | 糸調子棒(長)      | 2         |
| 15       | 20101     | Tension Disc Eyelet for Looper Thread      | ルーバ糸調子台糸道    | 2         |
| 16       | 22215     | Looper Thread Pipe                         | 糸道パイプ        | 2         |
| 17       | 20667     | Lower Looper Cover                         | 下ルーバカバー      | 1         |
| 18       | 9853      | Screw for 20667                            | 下ルーバカバー止ネジ   | 1         |
| 19       | 24131     | Needle Thread Eyelet (Large)               | 針糸道(大)       | 1         |
| 20       | 24321     | Needle Thread Eyelet (Small)               | 針糸道(小)       | 1         |
| 21       | 6035      | Screw for 24321                            | 針糸道(小)止ネジ    | 1         |
| 22       | 644       | Spring Washer for 24321                    | スプリングワッシャー   | 1         |
| 23       | 322       | Nut for 24321                              | ナット          | 1         |
| 24       | 36174     | Needle Bar Thread Retainer Bracket         | 小調子台         | 1         |
| 25       | 5000      | Screw for 36174                            | 小調子台止ネジ      | 1         |
| 26       | 24086     | Needle Thread Pull-off                     | 針糸繰り         | 1         |
| 27       | 1228      | Screw for 24086                            | 針糸繰り止ネジ      | 2         |
| 28       | 36175     | Thread Retainer Plate Support              | 小調子板         | 1         |
| 29       | 32425     | Thread Retainer Plate                      | 小調子皿         | 1         |
| 30       | 20131     | Thread Retainer Spring                     | 小調子皿バネ       | 1         |
| 31       | 1095      | Screw for 20131                            | 小調子皿バネ止ネジ    | 1         |
| 32       | 24050     | Looper Bar Oil Defender                    | ルーバ棒油除ケ      | 1         |
| 33       | 21720     | Upper Looper Thread Pipe                   | 上ルーバ糸道パイプ    | 1         |
| 34       | 21713     | Looper Thread Eyelet Support               | ルーバ糸道取付板     | 1         |
| 35       | 1326      | Screw for 21713                            | ルーバ糸道取付板止ネジ  | 2         |
| 36       | 21714     | Looper Thread Eyelet (Left)                | ルーバ糸道(左)     | 2         |
| 37       | 444       | Washer for 21714                           | ワッシャー        | 2         |
| 38       | 1227      | Screw for 21714                            | ルーバ糸道(左)止ネジ  | 2         |
| 39       | 20110     | Lower Looper Thread Eyelet (Right)         | 下ルーバ糸道(右)    | 1         |
| 40       | 20108     | Upper Looper Thread Eyelet (Right)         | 上ルーバ糸道(右)    | 1         |
| 41       | 532       | Washer for 20110, 20108                    | ワッシャー        | 2         |
| 42       | 1330      | Screw for 20110, 20108                     | ルーバ糸道(右)止ネジ  | 2         |
| 43       | 26024     | SP Unit, Complete Set                      | SP装置(組)      | 1         |
| 44       | 26021     | Oil Container Support                      | SPタンク取付板     | 1         |
| 45       | 7619      | Screw for 21124                            | SPタンク止ネジ     | 2         |
| 46       | 21124     | Oil Container                              | SPタンク        | 1         |
| 47       | 93864     | Oil Container Plug                         | 詰栓           | 1         |
| 48       | 198       | Felt for 21124                             | SPフェルト       | 1         |
| 49       | 240       | Oil Wick for 21124                         | 油芯(毛糸)       | 1         |
| 50       | 4353      | Screw for 26021, 26020                     | 止ネジ          | 2         |
| 51       | 26020     | SP Felt Stay Eyelet                        | フェルト支エ糸道     | 1         |



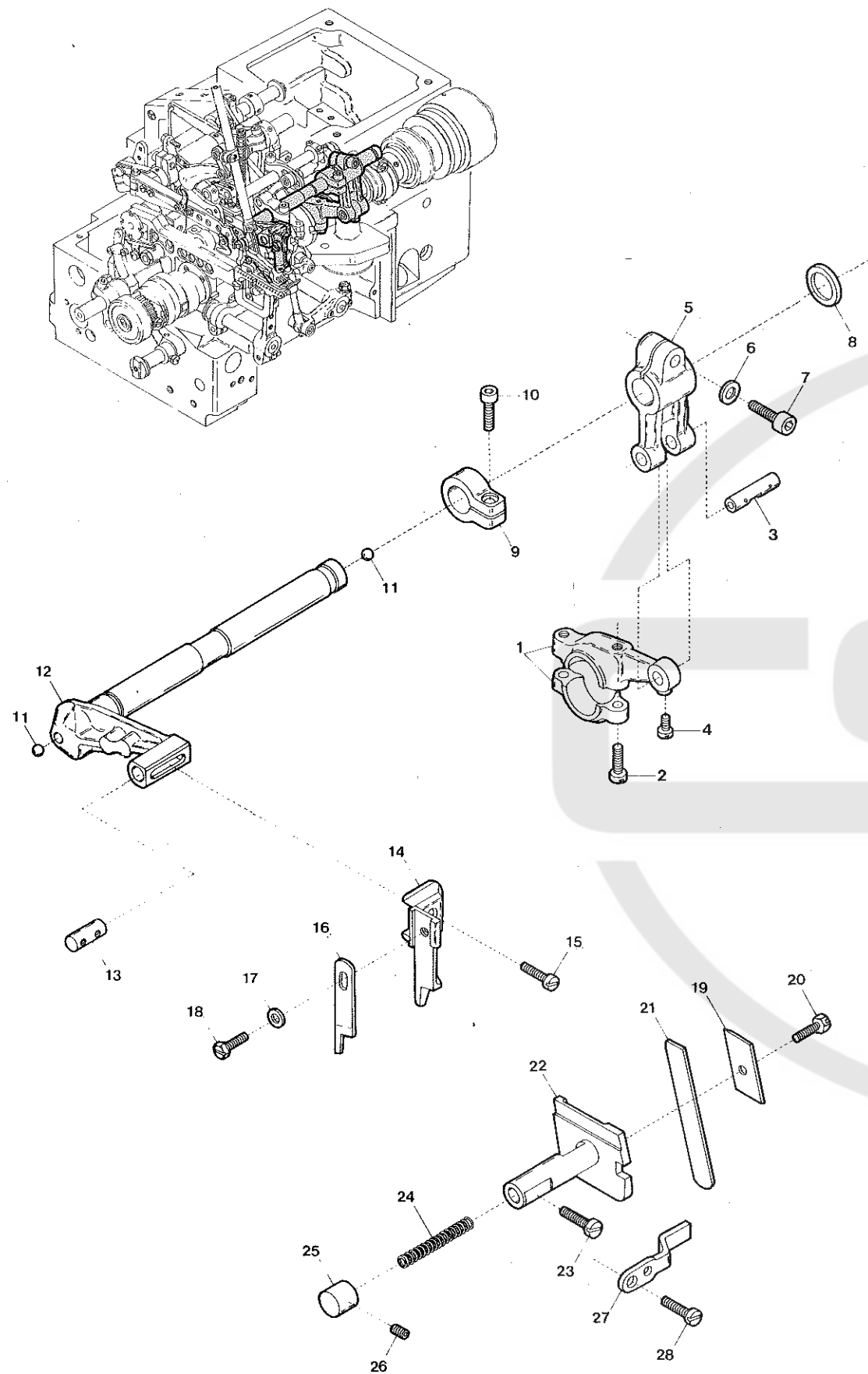
| Ref. No. | Parts No. | Description                                             | 品名                 | Amt. Req. |
|----------|-----------|---------------------------------------------------------|--------------------|-----------|
| 1        | 24051     | Pulley                                                  | プーリ                | 1         |
| 2        | 4123      | Screw for 24051                                         | プーリ止ネジ             | 2         |
| 3        | 20154     | Crankshaft Ball Bearing (Large)                         | ボールベアリング(大)        | 1         |
| 4        | 26420     | Crankshaft Ball Bearing Retaining Washer                | ベアリング位置決めリング       | 1         |
| 5        | 26426     | Top Feed Driving Connecting Rod Spacer Collar           | 上送りロッドスペーサカラー      | 1         |
| 6        | 1459      | Screw for 26426                                         | 上送りロッドスペーサカラー止ネジ   | 4         |
| 7        | 26403     | Top Feed Driving Connecting Rod Spacer                  | 上送りロッドスペーサ         | 1         |
| 8        | 26400     | Oil Pump Driving Worm Eccentric                         | ウォームエキセン           | 1         |
| 9        | 3638      | Screw for 26400                                         | ウォームエキセン止ネジ        | 2         |
| 10       | 26040     | Crankshaft                                              | クランクシャフト           | 1         |
| 11       | 740       | Seal Plug for 26040                                     | 詰栓                 | 1         |
| 12       | 629       | Rubber Seal for 26040                                   | 詰栓(ゴム)             | 1         |
| 13       | 7645      | Screw for 26040                                         | クランクシャフト詰ネジ        | 1         |
| 14       | 20159     | Crankshaft Ball Bearing (Small)                         | ボールベアリング(小)        | 1         |
| 15       | 26419     | Crankshaft Bushing (Right)                              | クランクシャフトブッシュ(右)    | 1         |
| 16       | 3434      | Screw for 26419                                         | クランクシャフトブッシュ(右)止ネジ | 1         |
| 17       | 20157     | Crankshaft Bushing (Center)                             | クランクシャフトブッシュ(中)    | 1         |
| 18       | 1170      | Screw for 20157                                         | クランクシャフトブッシュ(中)止ネジ | 2         |
| 19       | 3654      | Screw for 20157                                         | クランクシャフトブッシュ(中)止ネジ | 1         |
| 20       | 24255     | Crankshaft Bushing (Left)                               | クランクシャフトブッシュ(左)    | 1         |
| 21       | 24053     | Upper Knife Driving Shaft Bushing (Right)               | 上メス軸ブッシュ(右)        | 1         |
| 22       | 26046     | Upper Knife Driving Shaft Bushing (Center)              | 上メス軸ブッシュ(中)        | 1         |
| 23       | 26045     | Upper Knife Driving Shaft Bushing (Left)                | 上メス軸ブッシュ(左)        | 1         |
| 24       | 32684     | Oil Seal for Upper Knife Driving Shaft                  | 上メス軸オイルシール         | 1         |
| 25       | 26070     | Top Feed Vertical Motion Shaft Bushing (Right)          | 上送り上下軸ブッシュ(右)      | 1         |
| 26       | 26069     | Top Feed Vertical Motion Shaft Bushing (Left)           | 上送り上下軸ブッシュ(左)      | 1         |
| 27       | 26071     | Oil Seal for Top Feed Vertical Motion Shaft             | 上送り上下軸オイルシール       | 1         |
| 28       | 24014     | Needle Bar Driving Shaft Bushing (Right)                | 針棒クランク軸ブッシュ(右)     | 1         |
| 29       | 26035     | Needle Bar Driving Shaft Bushing (Left)                 | 針棒クランク軸ブッシュ(左)     | 1         |
| 30       | 26036     | Oil Seal for Needle Bar Driving Shaft                   | 針棒クランク軸オイルシール      | 1         |
| 31       | 3636      | Cap Screw for 24016                                     | 針棒ブッシュ(上)蓋ネジ       | 1         |
| 32       | 526       | Seal for 24016                                          | 針棒ブッシュ(上)蓋ネジパッキン   | 1         |
| 33       | 24016     | Needle Bar Bushing (Upper)                              | 針棒ブッシュ(上)          | 1         |
| 34       | 325       | Oil Wick for 24016                                      | 油芯                 | 1         |
| 35       | 278       | Oil Wick for 24016                                      | 油芯                 | 1         |
| 36       | 224       | Oil Wick for 26043                                      | 油芯                 | 1         |
| 37       | 26043     | Needle Bar Bushing (Lower)                              | 針棒ブッシュ(下)          | 1         |
| 38       | 290       | Oil Wick for 26043                                      | 油芯                 | 1         |
| 39       | 199       | Oil Wick for 26043                                      | 油芯                 | 1         |
| 40       | 26067     | Presser Foot Lifter Lever Shaft Bushing (Right) End Cap | 押工揚げ軸ブッシュ(右)蓋      | 1         |
| 41       | 26055     | Presser Foot Lifter Lever Shaft Bushing (Right)         | 押工揚げ軸ブッシュ(右)       | 1         |
| 42       | 26090     | Top Feed Shaft Bushing (Upper)(Right)                   | 上送り軸ブッシュ(上)(右)     | 1         |
| 43       | 26089     | Top Feed Shaft Bushing (Upper)(Left)                    | 上送り軸ブッシュ(上)(左)     | 1         |
| 44       | 20334     | Looper Driving Shaft Oil Seal                           | ルーバ軸オイルシール         | 2         |
| 45       | 24054     | Upper Looper Driving Shaft Bushing (Front)              | 上ルーバ軸ブッシュ(前)       | 1         |
| 46       | 24055     | Upper Looper Driving Shaft Bushing (Rear)               | 上ルーバ軸ブッシュ(後)       | 1         |
| 47       | 24056     | Lower Looper Driving Shaft Bushing (Front)              | 下ルーバ軸ブッシュ(前)       | 1         |
| 48       | 24057     | Lower Looper Driving Shaft Bushing (Rear)               | 下ルーバ軸ブッシュ(後)       | 1         |
| 49       | 24058     | Feed Bar Driving Shaft Bushing                          | 送り軸ブッシュ            | 2         |
| 50       | 26407     | Top Feed Shaft Bushing (Lower)                          | 上送り軸ブッシュ(下)        | 1         |
| 51       | 24060     | Feed Bar Driving Shaft Bushing (Second from Right)      | 送り軸ブッシュ(右中)        | 1         |
| 52       | 24059     | Feed Bar Driving Shaft Bushing (Second from Left)       | 送り軸ブッシュ(左中)        | 1         |
| 53       | 95134     | Differential Feed Control Lever Shaft Bushing           | 送り調節レバー軸ブッシュ       | 1         |
| 54       | 30291     | Differential Feed Control Lever Shaft Oil Seal          | 送り調節レバー軸オイルシール     | 1         |



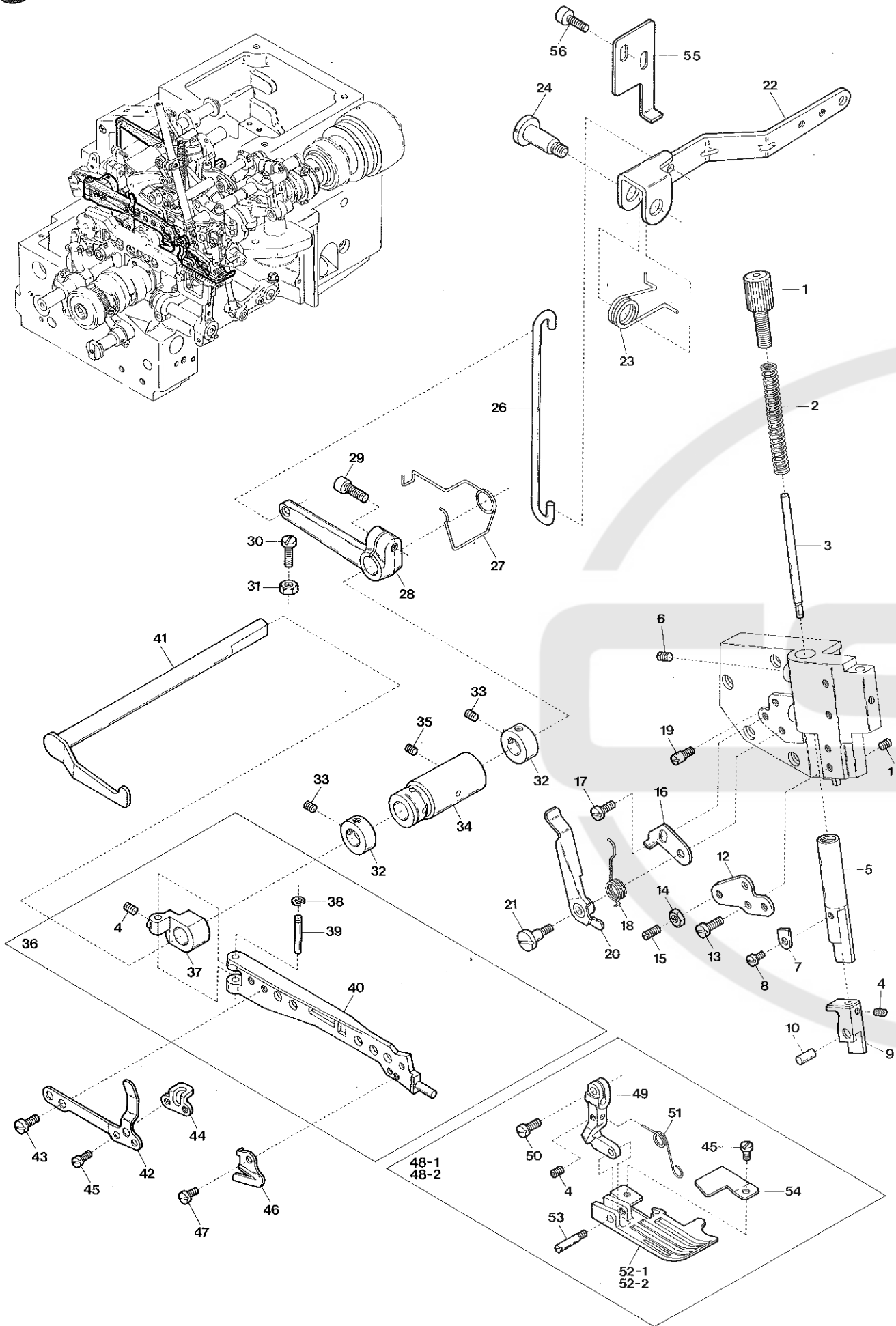
## NEEDLE BAR DRIVING MECHANISM

## 針棒機構

| Ref.<br>No. | Parts<br>No. | Description                           | 品名               | Amt.<br>Req. |
|-------------|--------------|---------------------------------------|------------------|--------------|
| 1           | 24004        | Needle Bar Driving Connecting Rod     | 針棒クランクロッド        | 1            |
| 2           | 5070         | Screw for 24004                       | 針棒クランクロッド止ネジ     | 2            |
| 3           | 24005        | Needle Bar Driving Lever              | 針棒クランク軸腕         | 1            |
| 4           | 5520         | Screw for 24005                       | 針棒クランク軸腕止ネジ      | 1            |
| 5           | 520          | Washer for 24005                      | ワッシャー            | 1            |
| 6           | 24094        | Needle Bar Driving Connecting Rod Pin | 針棒クランクロッドピン      | 1            |
| 7           | 3638         | Screw for 24094, 32646, 24168         | 止ネジ              | 6            |
| 8           | 637          | Seal Plug for 24094                   | 詰栓               | 2            |
| 9           | 32646        | Needle Bar Driving Shaft Collar       | 針棒クランク軸カラー       | 2            |
| 10          | 639          | Seal Plug for 26042                   | 詰栓               | 2            |
| 11          | 26042        | Needle Bar Driving Shaft              | 針棒クランク軸          | 1            |
| 12          | 90321        | Needle Bar Connecting Link            | 針棒リンク            | 1            |
| 13          | 90320        | Needle Bar Connecting Link Pin        | 針棒リンクピン          | 2            |
| 14          | 278          | Oil Wick for 90320                    | 油芯               | 2            |
| 15          | 3313         | Screw for 90320                       | 針棒リンクピン止ネジ       | 1            |
| 16          | 4313         | Screw for 90320                       | 針棒リンクピン止ネジ       | 1            |
| 17          | 24008        | Needle Bar Connecting Bracket         | 針棒抱キ             | 1            |
| 18          | 1186         | Screw for 24008                       | 針棒抱キ止ネジ          | 1            |
| 19          | 37372        | Needle Bar                            | 針棒               | 1            |
| 20          | 24132        | Needle Clamp                          | 針止メ              | 1            |
| 21          | 3637         | Screw for Needle                      | 針止ネジ             | 2            |
| 22          |              | Needle (System:DCX1)                  | 針                | 1            |
| 23-1        | 24235        | Stitch Plate (Y5)                     | 針板(Y5)           | 1            |
| 23-2        | 24236        | " (Y6)                                | " (Y6)           | 1            |
| 24          | 5345         | Screw for Stitch Plate                | 針板止ネジ            | 2            |
| 25          | 20220        | Stitch Plate Support                  | 針板受ケ             | 1            |
| 26          | 1156         | Screw for 20220                       | 針板受ケ止ネジ          | 2            |
| 27          | 32604        | Rubber Cushion (Large)                | 埋メ座(大)           | 1            |
| 28          | 20072        | Rubber Cushion (Small)                | 埋メ座(小)           | 1            |
| 29          | 20238        | Stitch Plate Positioner               | 針板位置決メ片          | 1            |
| 30          | 21105        | Needle Guard (Front)                  | 針受ケ(前)           | 1            |
| 31          | 4404         | Screw for 21105                       | 針受ケ(前)止ネジ        | 1            |
| 32          | 24155        | HR Unit, Complete Set                 | HR装置(組)          | 1            |
| 33          | 22771        | HR Cup, Complete Set                  | HRカップ(組)         | 1            |
| 34          | 20651        | Lid (Right) for HR Cup                | HRカップ蓋           | 1            |
| 35          | 567          | Seal for 9909                         | パッキン             | 1            |
| 36          | 9909         | Tube Joint                            | パイプ継手            | 1            |
| 37          | 22777        | Oil Tube (82mm)                       | 給油パイプ            | 1            |
| 38          | 24168        | HR Felt Stay                          | HRフェルト支エ         | 1            |
| 39          | 170          | HR Felt                               | HRフェルト           | 1            |
| 40          | 377          | HR Felt                               | HRフェルト           | 1            |
| 41          | 4440         | Screw for 22771                       | HRカップ(組)止ネジ      | 1            |
| 42          | 20230        | Felt Stay Support                     | フェルト支エ取付台        | 1            |
| 43          | 20376        | Felt Stay Support Collar              | フェルト支エ取付台カラー     | 1            |
| 44          | 1208         | Screw for 20376                       | フェルト支エ取付台カラー止ネジ  | 1            |
| 45          | 20225        | Bushing for 20230                     | フェルト支エ取付台ブッシュ    | 1            |
| 46          | 3632         | Screw for 20225                       | フェルト支エ取付台ブッシュ止ネジ | 1            |



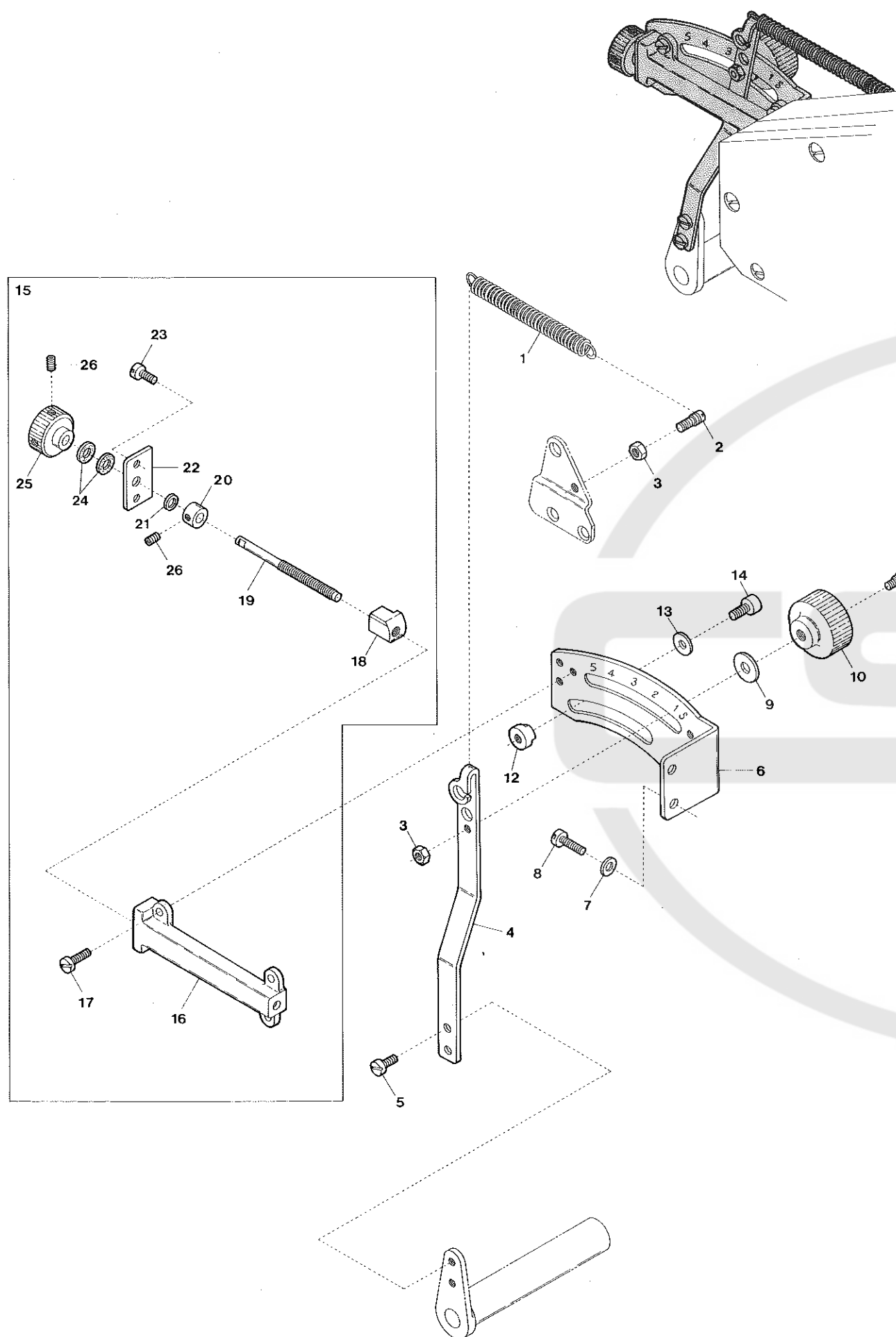
| Def. No. | Parts No. | Description                             | 品名            | Amt. Req. |
|----------|-----------|-----------------------------------------|---------------|-----------|
| 1        | 26044     | Upper Knife Driving Connecting Rod      | 上メスロッド        | 1         |
| 2        | 5070      | Screw for 26044                         | 上メスロッド止ネジ     | 2         |
| 3        | 32921     | Connecting Rod Pin                      | 上メスロッドピン      | 1         |
| 4        | 9508      | Screw for 32921                         | 上メスロッドピン止ネジ   | 1         |
| 5        | 26263     | Upper Knife Driving Lever               | 上メス軸腕         | 1         |
| 6        | 520       | Washer for 26263                        | ワッシャー         | 1         |
| 7        | 5520      | Screw for 26263                         | 上メス軸腕止ネジ      | 1         |
| 8        | 20487     | Thrust Washer                           | 上メス軸スラストリング   | 1         |
| 9        | 32920     | Upper Knife Driving Shaft Collar (Left) | 上メス軸カラー(左)    | 1         |
| 10       | 5550      | Screw for 32920                         | 上メス軸カラー(左)止ネジ | 1         |
| 11       | 639       | Seal Plug for 26066                     | 詰栓            | 2         |
| 12       | 26066     | Upper Knife Driving Shaft               | 上メス軸          | 1         |
| 13       | 20490     | Upper Knife Holder Positioner           | 上メスホルダ止メ      | 1         |
| 14       | 24081     | Upper Knife Holder (Flat Type)          | 上メスホルダ(平)     | 1         |
| 15       | 7405      | Screw for 24081                         | 上メスホルダ(平)止ネジ  | 1         |
| 16       | 20496     | Upper Knife (Flat Type)                 | 上メス(平)        | 1         |
| 17       | 532       | Washer for 20496                        | ワッシャー         | 1         |
| 18       | 4106      | Screw for 20496                         | 上メス(平)止ネジ     | 1         |
| 19       | 24030     | Lower Knife Clamp                       | 下メス押エ         | 1         |
| 20       | 4106      | Screw for 24030                         | 下メス押エ止ネジ      | 1         |
| 21       | 22195     | Lower Knife                             | 下メス           | 1         |
| 22       | 24031     | Lower Knife Holder                      | 下メス台          | 1         |
| 23       | 4591      | Screw for 24031                         | 下メス台止ネジ       | 1         |
| 24       | 32919     | Lower Knife Holder Spring               | 下メスバネ         | 1         |
| 25       | 24029     | Lower Knife Holder Spring Stopper       | 下メスバネ受け       | 1         |
| 26       | 3638      | Screw for 24029                         | 下メスバネ受け止ネジ    | 1         |
| 27       | 21117     | Lower Knife Holder Locking Plate        | 下メス台回り止メ      | 1         |
| 28       | 4440      | Screw for 21117                         | 下メス台回り止メ止ネジ   | 2         |



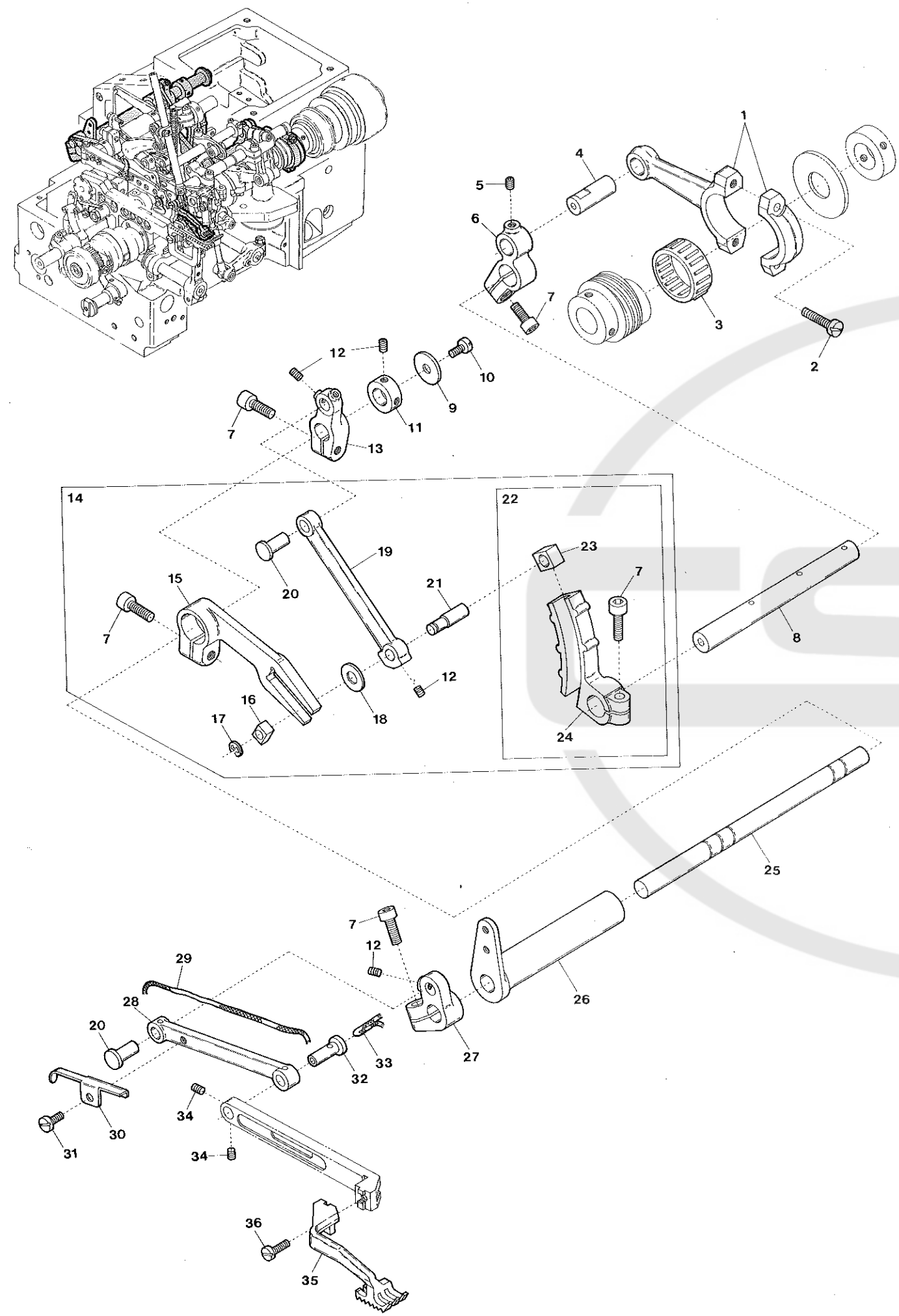
## PRESSER FOOT MECHANISM

## 押工機構

| Ref. No. | Parts No. | Description                             | 品名             | Am't. Req. |
|----------|-----------|-----------------------------------------|----------------|------------|
| 1        | 4209      | Adjusting Screw for 24138               | 押エバネ調節ネジ       | 1          |
| 2        | 24138     | Presser Spring                          | 押エバネ           | 1          |
| 3        | 24139     | Presser Arm Positioning Guide Pin       | 押工腕案内ピン        | 1          |
| 4        | 3637      | Screw for 24139, 24141, 26141           | 止ネジ            | 3          |
| 5        | 24023     | Presser Spring Adjusting Bar            | 押エバネ調節棒        | 1          |
| 6        | 9503      | Screw for 24023                         | 押エバネ調節棒止ネジ     | 2          |
| 7        | 24024     | Presser Spring Adjusting Bar Stopper    | 押エバネ調節棒ストッパ    | 1          |
| 8        | 1228      | Screw for 24024                         | 押エバネ調節棒ストッパ止ネジ | 1          |
| 9        | 26064     | Presser Arm Positioning Guide           | 押工腕案内          | 1          |
| 10       | 24021     | Presser Foot Pin                        | 押エピン           | 1          |
| 11       | 3436      | Stopper Screw for 24023                 | 押エバネ調節棒ストッパネジ  | 1          |
| 12       | 26060     | Presser Spring Adjusting Bar Support    | 押エバネ調節棒サポート    | 1          |
| 13       | 1223      | Screw for 26060                         | 押エバネ調節棒サポート止ネジ | 2          |
| 14       | 322       | Lock Nut for 9533                       | ロックナット         | 1          |
| 15       | 9533      | Stopper Screw for 24023                 | 押エバネ調節棒ストッパネジ  | 1          |
| 16       | 22257     | Presser Arm Stopper                     | 押工腕ストッパ        | 1          |
| 17       | 1202      | Screw for 22257                         | 押工腕ストッパ止ネジ     | 1          |
| 18       | 20293     | Presser Foot Release Lever Spring       | 手揚げバネ          | 1          |
| 19       | 6094      | Screw for 20293                         | 手揚げバネ掛ネジ       | 1          |
| 20       | 24080     | Presser Foot Release Lever              | 手揚げ            | 1          |
| 21       | 4107      | Screw for 24080                         | 手揚げ止ネジ         | 1          |
| 22       | 26058     | Presser Foot Lifter Lever               | 押工揚げレバー        | 1          |
| 23       | 26065     | Presser Foot Lifter Lever Spring        | 押工揚げレバーバネ      | 1          |
| 24       | 4103      | Screw for 26058                         | 押工揚げレバー止ネジ     | 1          |
| 25       |           |                                         |                |            |
| 26       | 26059     | Presser Foot Lifter Lever Link          | 押工揚げレバーリンク     | 1          |
| 27       | 26057     | Intermediate Lever Spring               | 押工揚げ軸バネ        | 1          |
| 28       | 26056     | Intermediate Lever                      | 押工揚げ軸レバー       | 1          |
| 29       | 5550      | Screw for 26056                         | 押工揚げ軸レバー止ネジ    | 1          |
| 30       | 4352      | Stopper Screw for 26056                 | 押工揚げ軸レバーストッパネジ | 1          |
| 31       | 335       | Lock Nut for 4352                       | ロックナット         | 1          |
| 32       | 30228     | Presser Foot Lifter Lever Shaft Collar  | 押工揚げ軸カラー       | 2          |
| 33       | 3638      | Screw for 30228                         | 押工揚げ軸カラー止ネジ    | 4          |
| 34       | 26054     | Presser Foot Lifter Lever Shaft Bushing | 押工揚げ軸ブッシュ      | 1          |
| 35       | 3635      | Screw for 26054                         | 押工揚げ軸ブッシュ止ネジ   | 1          |
| 36       | 26062     | Presser Arm, Complete Set               | 押工腕(組)         | 1          |
| 37       | 26050     | Presser Arm Hinge                       | 押工腕ヒンジ         | 1          |
| 38       | 34293     | Retaining Ring                          | ストップリング        | 1          |
| 39       | 24141     | Presser Arm Hinge Pin                   | 押工腕ヒンジピン       | 1          |
| 40       | 26049     | Presser Arm                             | 押工腕            | 1          |
| 41       | 26053     | Presser Foot Lifter Lever Shaft         | 押工揚げ軸          | 1          |
| 42       | 26432     | Spacer Holding Spring                   | スペーサ保持バネ       | 1          |
| 43       | 5044      | Screw for 26432                         | スペーサ保持バネ止ネジ    | 2          |
| 44       | 26051     | Presser Foot Lifter Spacer              | 押工揚げスペーサ       | 1          |
| 45       | 4141      | Screw for 26051, 26142                  | 止ネジ            | 3          |
| 46       | 20271     | Thread Chain Cutting Knife              | チェーンカッター       | 1          |
| 47       | 4097      | Screw for 20271                         | チェーンカッター止ネジ    | 1          |
| 48-1     | 26135     | Presser Foot, Complete Set (Y5)         | 押工(組) (Y5)     | 1          |
| 48-2     | 26136     | " " (Y6)                                | " (Y6)         | 1          |
| 49       | 26139     | Presser Foot Hinge                      | 押工ヒンジ          | 1          |
| 50       | 4351      | Screw for 26139                         | 押工ヒンジ止ネジ       | 1          |
| 51       | 26141     | Presser Foot Spring                     | 押エバネ           | 1          |
| 52-1     | 26137     | Presser Foot (Y5)                       | 押工 (Y5)        | 1          |
| 52-2     | 26138     | " (Y6)                                  | " (Y6)         | 1          |
| 53       | 26140     | Presser Foot Hinge Pin                  | 押工ヒンジピン        | 1          |
| 54       | 26142     | Presser Foot Chain Shield               | 空糸押工           | 1          |
| 55       | 26039     | Presser Foot Lifter Lever Stopper       | 押工揚げレバーストッパ    | 1          |
| 56       | 5118      | Screw for 26039                         | 押工揚げレバーストッパ止ネジ | 2          |



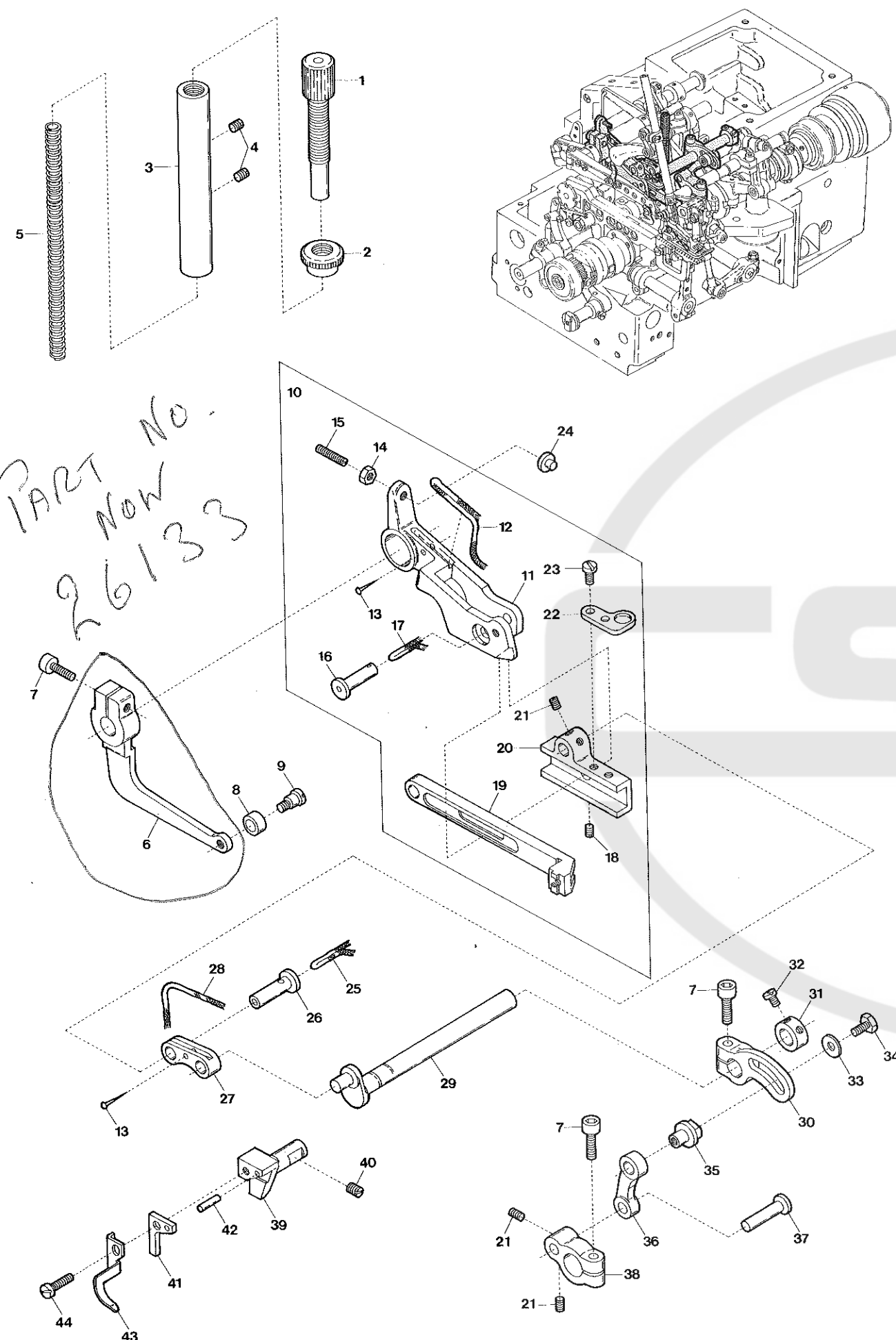
| Ref.<br>No. | Parts<br>No. | Description                                             | 品名              | Amt.<br>Req. |
|-------------|--------------|---------------------------------------------------------|-----------------|--------------|
| 1           | 26123        | Top Feed Differential Lever Spring                      | 差動レバーバネ         | 1            |
| 2           | 4446         | Screw for 26123                                         | バネ掛けネジ          | 1            |
| 3           | 334          | Lock Nut for 4446, 4094                                 | ロックナット          | 2            |
| 4           | 26112        | Top Feed Differential Lever                             | 上送り差動レバー        | 1            |
| 5           | 1202         | Screw for 26112                                         | 上送り差動レバー止ネジ     | 2            |
| 6           | 26425        | Top Feed Differential Feeding Graduations               | 上送り目盛板          | 1            |
| 7           | 538          | Washer for 26425                                        | ワッシャー           | 2            |
| 8           | 9150         | Screw for 26425                                         | 上送り目盛板止ネジ       | 2            |
| 9           | 613          | Washer for 26112                                        | ワッシャー           | 1            |
| 10          | 242          | Adjusting Nut for 26112                                 | 調節ナット           | 1            |
| 11          | 4094         | Adjusting Screw for 26112                               | 調節ネジ            | 1            |
| 12          | 20420        | Top Feed Differential Lever Stopper                     | 上送り差動レバーストッパー   | 1            |
| 13          | 186          | Washer for 20420                                        | ワッシャー           | 1            |
| 14          | 5038         | Screw for 20420                                         | 差動レバーストッパー止ネジ   | 1            |
| 15          | 26434        | Top Feed Differential Lever Adjusting Box, Complete Set | 差動レバー調節台(組)     | 1            |
| 16          | 26427        | Top Feed Differential Lever Adjusting Box               | 差動レバー調節台        | 1            |
| 17          | 4440         | Screw for 26427                                         | 差動レバー調節台止ネジ     | 3            |
| 18          | 26430        | Top Feed Differential Lever Stopper                     | 差動レバーストッパー      | 1            |
| 19          | 26428        | Top Feed Differential Lever Adjusting Screw             | 差動レバー調節ネジ       | 1            |
| 20          | 26438        | Collar for 26428                                        | 差動レバー調節ネジカラー    | 1            |
| 21          | 396          | Rubber Cushion for 26438                                | ラバークッション        | 1            |
| 22          | 26429        | Supporting Plate for 26428                              | 差動レバー調節ネジ支工板    | 1            |
| 23          | 4351         | Screw for 26429                                         | 差動レバー調節ネジ支工板止ネジ | 2            |
| 24          | 280          | Rubber Cushion for 26431                                | ラバークッション        | 2            |
| 25          | 26431        | Adjusting Knob                                          | ストッパー調節ツマミ      | 1            |
| 26          | 3637         | Screw for 26431, 26438                                  | 止ネジ             | 3            |



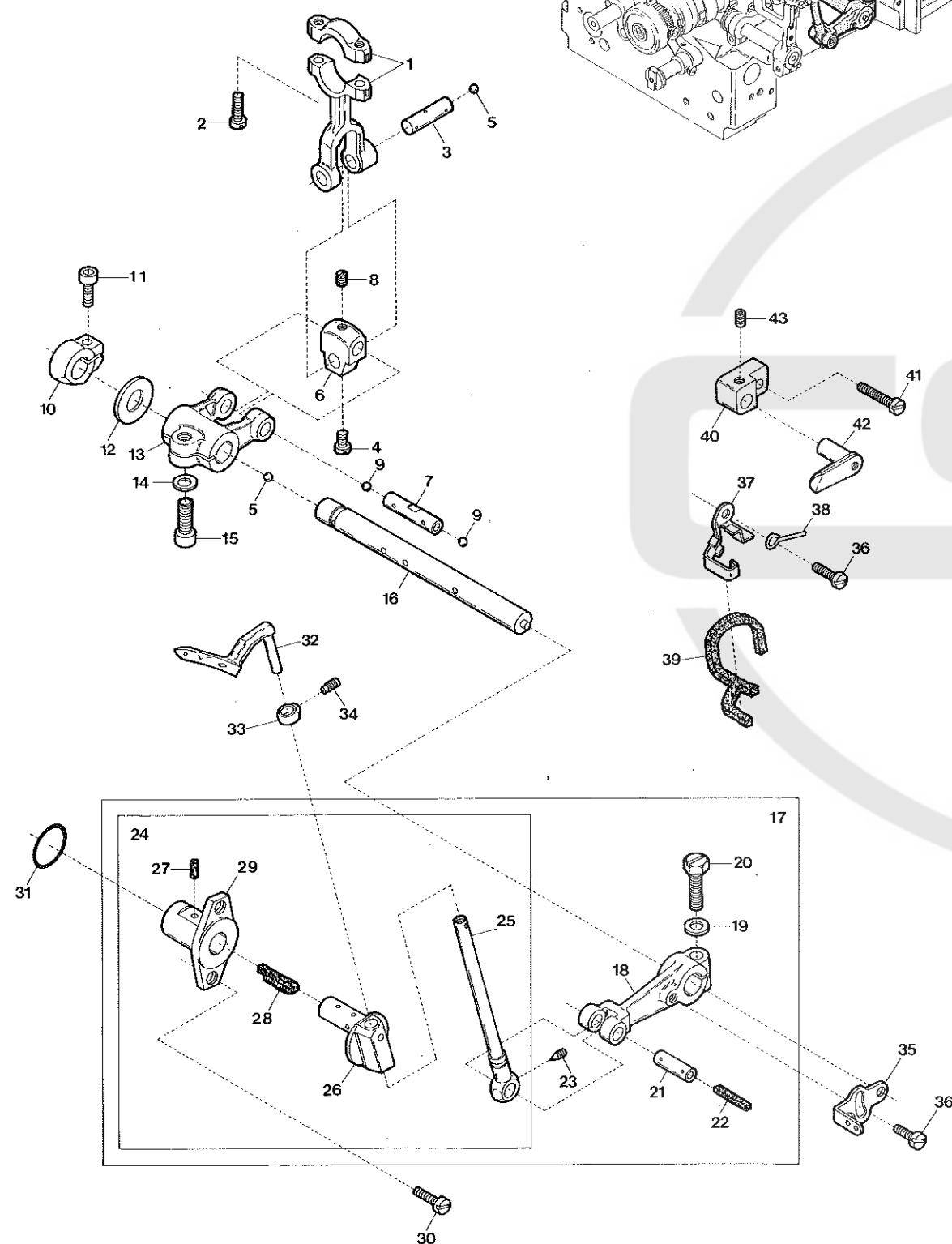
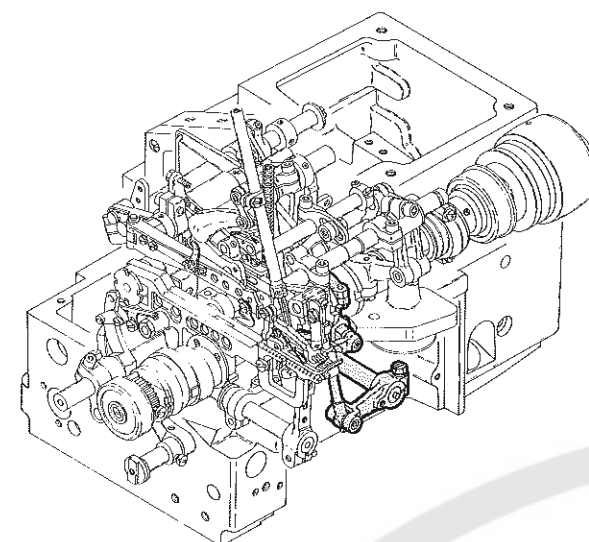
TOP FEED MECHANISM(2)

上送り機構(2)

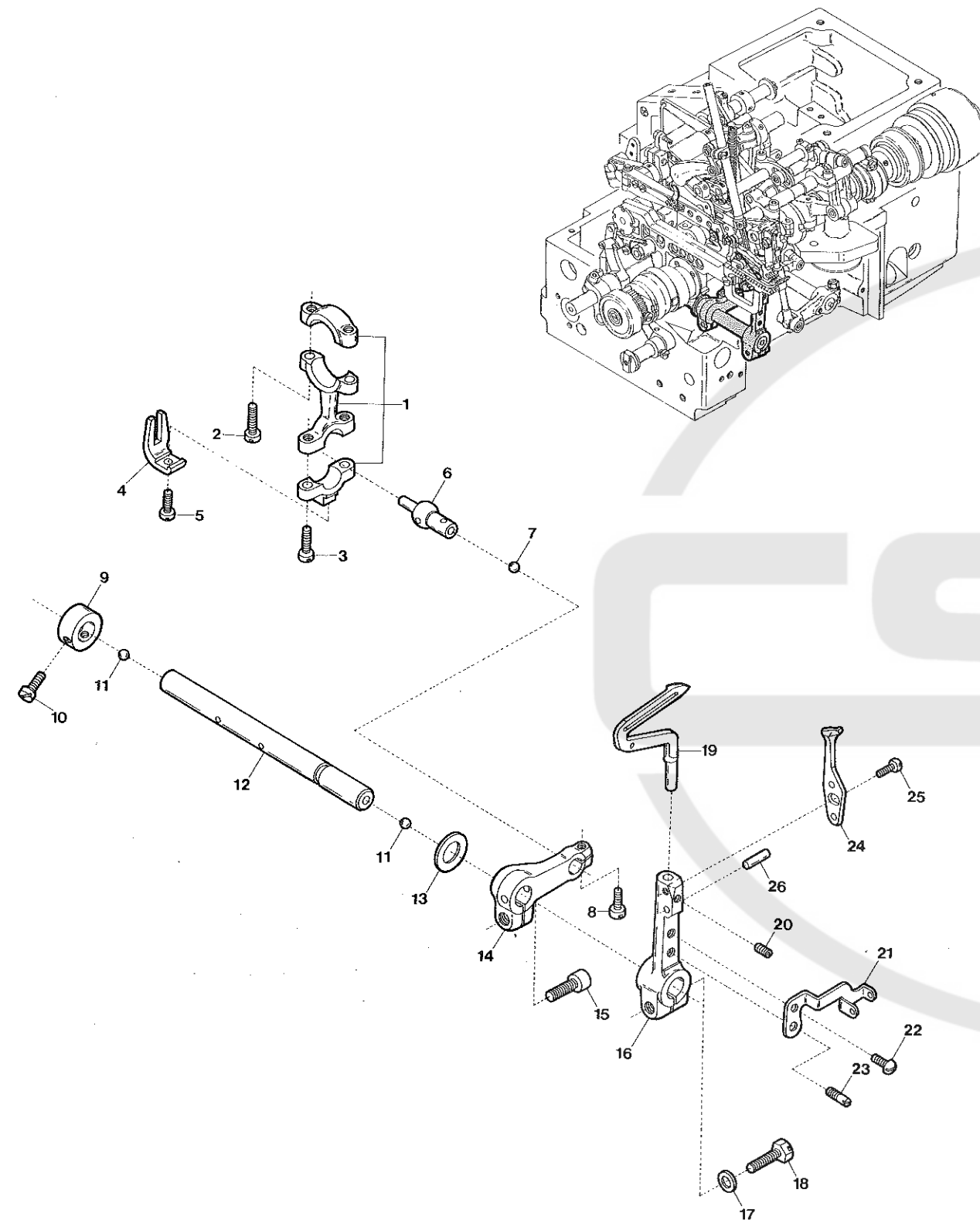
| Ref. No. | Parts No. | Description                                 | 品名          | Amt. Req. |
|----------|-----------|---------------------------------------------|-------------|-----------|
| 1        | 26401     | Top Feed Dog Driving Connecting Rod         | 上送りロッド      | 1         |
| 2        | 5071      | Screw for 26401                             | 上送りロッド止ネジ   | 2         |
| 3        | 94564     | Roller Bearing for 26401                    | ニードルベアリング   | 1         |
| 4        | 26402     | Top Feed Dog Driving Connecting Rod Pin     | 上送りロッドピン    | 1         |
| 5        | 3635      | Screw for 26402                             | 上送りロッドピン止ネジ | 1         |
| 6        | 24104     | Top Feed Shaft Lever                        | 上送り軸腕       | 1         |
| 7        | 5520      | Screw for 24104, 26414, 26415, 26408, 26416 | 止ネジ         | 5         |
| 8        | 26406     | Top Feed Shaft (Left)                       | 上送り軸(左)     | 1         |
| 9        | 26091     | Top Feed Shaft Thrust Washer                | スラストプレート    | 1         |
| 10       | 4406      | Screw for 26091                             | スラストプレート止ネジ | 1         |
| 11       | 30228     | Top Feed Shaft (Upper) Collar               | 上送り軸(上)カラー  | 1         |
| 12       | 3638      | Screw for 30228, 26104, 26412               | 止ネジ         | 7         |
| 13       | 26414     | Top Feed Shaft Lever (Right)                | 上送り軸腕(右)    | 1         |
| 14       | 26433     | Top Feed Rocker, Complete Set (2)           | 上送り腕(組2)    | 1         |
| 15       | 26415     | Slide Pin Adjusting Lever                   | スライダ調節レバー   | 1         |
| 16       | 26099     | Top Feed Guide Block                        | 上送り前後駒      | 1         |
| 17       | 33024     | Retaining Ring                              | ストップリング     | 1         |
| 18       | 26413     | Spacer                                      | スペーサ        | 1         |
| 19       | 26412     | Top Feed Shaft Lever Link (Right)           | 上送り軸腕リンク(右) | 1         |
| 20       | 26104     | Pin for 26412, 26101                        | 上送り軸腕リンクピン  | 2         |
| 21       | 26411     | Top Feed Retaining Slider Pin               | スライダピン      | 1         |
| 22       | 26410     | Top Feed Rocker, Complete Set (1)           | 上送り腕(組1)    | 1         |
| 23       | 26409     | Top Feed Regulating Slider                  | スライダ        | 1         |
| 24       | 26408     | Top Feed Rocker                             | 上送り腕        | 1         |
| 25       | 26088     | Top Feed Shaft (Upper)                      | 上送り軸(上)     | 1         |
| 26       | 26098     | Slider Pin Adjusting Lever Shaft            | スライダ調節レバー軸  | 1         |
| 27       | 26416     | Top Feed Shaft Lever (Left)                 | 上送り軸腕(左)    | 1         |
| 28       | 26101     | Top Feed Shaft Lever Link (Left)            | 上送り軸腕リンク(左) | 1         |
| 29       | 1113      | Oil Wick for 26101                          | 油芯          | 1         |
| 30       | 26029     | Oil Wick Stay                               | 油芯支エ        | 1         |
| 31       | 1230      | Screw for 26029                             | 油芯支エ止ネジ     | 1         |
| 32       | 26418     | Top Feed Dog Bar Connecting Pin             | 上送り台ピン      | 1         |
| 33       | 1117      | Oil Wick for 26418                          | 油芯(毛糸)      | 1         |
| 34       | 3637      | Screw for 26418                             | 上送り台ピン止ネジ   | 2         |
| 35       | 26510     | Top Feed Dog                                | 上送り         | 1         |
| 36       | 7609      | Screw for 26510                             | 上送り止ネジ      | 1         |



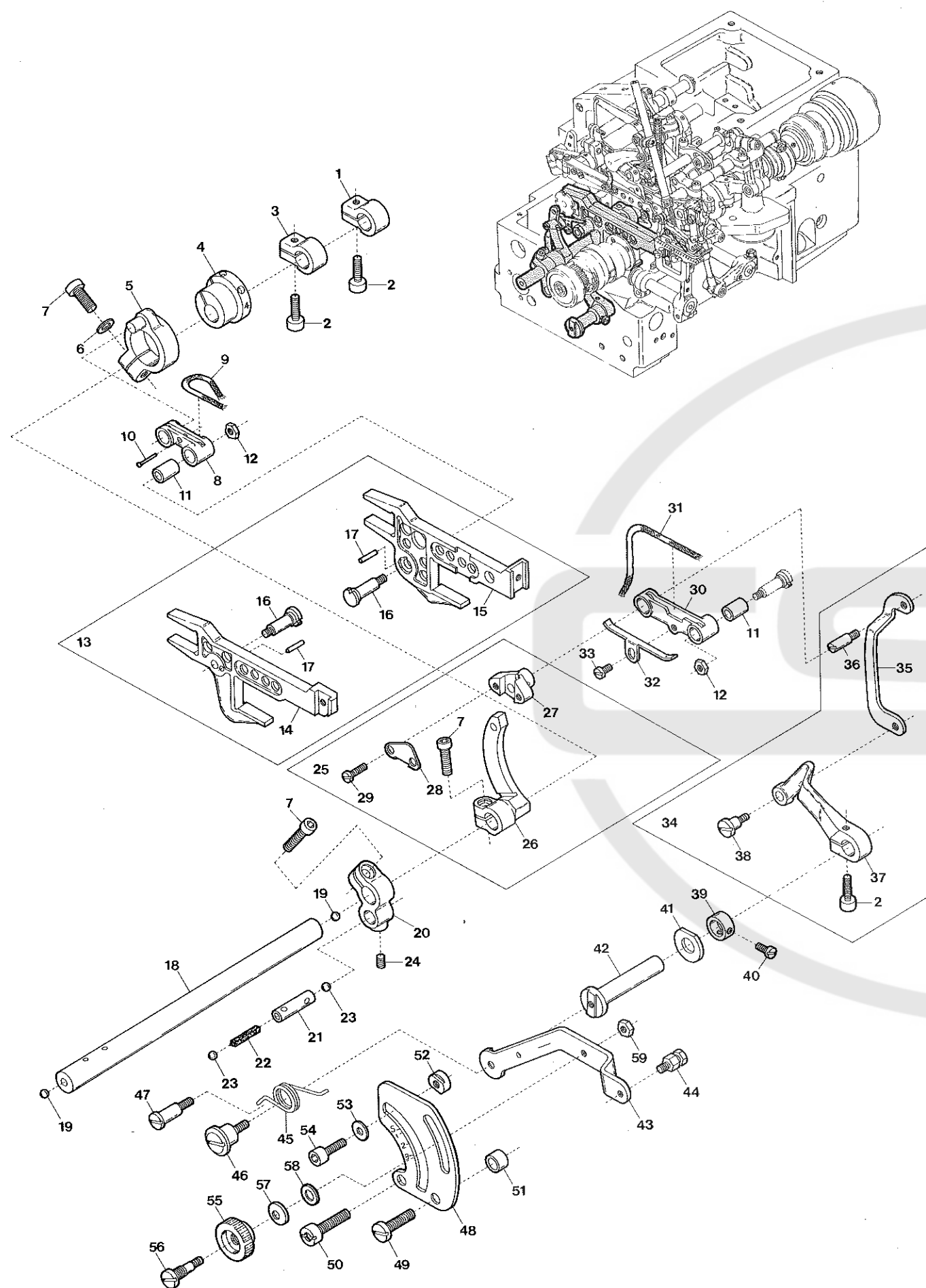
| Ref. No. | Parts No.              | Description                              | 品名              | Amt. Req. |
|----------|------------------------|------------------------------------------|-----------------|-----------|
| 1        | 4272                   | Adjusting Screw for 26118                | 調節ネジ            | 1         |
| 2        | 449                    | Lock Nut for 4272                        | ロックナット          | 1         |
| 3        | 26117                  | Top Feed Dog Press Spring Adjusting Bar  | 調節棒             | 1         |
| 4        | 9503                   | Screw for 26117                          | 調節棒止ネジ          | 2         |
| 5        | 26118                  | Top Feed Dog Press Spring                | 上送り押エバネ         | 1         |
| 6        | <del>26119</del> 26133 | Top Feed Dog Lifting Lever               | リフトレバー          | 1         |
| 7        | 5550                   | Screw for 26119, 26074, 26077            | 止ネジ             | 3         |
| 8        | 26120                  | Lifting Lever Roller                     | リフトレバーコロ        | 1         |
| 9        | 4270                   | Screw for 26120                          | リフトレバーコロ止ネジ     | 1         |
| 10       | 26424                  | Top Feed Dog Bar, Complete Set           | 上送り台(組)         | 1         |
| 11       | 26107                  | Top Feed Dog Press Arm                   | 上送り押工腕          | 1         |
| 12       | 1112                   | Oil Wick for 26107                       | 油芯              | 1         |
| 13       | 755                    | Pin for 1112, 1110                       | 油芯止メピン          | 2         |
| 14       | 334                    | Lock Nut for 1435                        | ロックナット          | 1         |
| 15       | 1435                   | Adjusting Screw for 26107                | 上送り押工腕調節ネジ      | 1         |
| 16       | 26109                  | Pin for 26107                            | 上送り押工腕ピン        | 1         |
| 17       | 1116                   | Oil Wick for 26109                       | 油芯(毛糸)          | 1         |
| 18       | 9526                   | Screw for 26109                          | 上送り押工腕ピン止ネジ     | 1         |
| 19       | 26417                  | Top Feed Dog Bar                         | 上送り台            | 1         |
| 20       | 26126                  | Top Feed Dog Bar Guide                   | 上送り台ガイド         | 1         |
| 21       | 3637                   | Screw for 26073, 26078                   | 止ネジ             | 4         |
| 22       | 26125                  | Press Spring Holder                      | バネ受ケ            | 1         |
| 23       | 5065                   | Screw for 26125                          | バネ受ケ止ネジ         | 2         |
| 24       | 23234                  | Positioning Pin for 26107                | 上送り押工腕位置決メピン    | 1         |
| 25       | 1115                   | Oil Wick for 26073                       | 油芯(毛糸)          | 1         |
| 26       | 26073                  | Pin for 26072                            | 上送り上下軸リンクピン     | 1         |
| 27       | 26072                  | Top Feed Vertical Motion Shaft Link      | 上送り上下軸リンク       | 1         |
| 28       | 1110                   | Oil Wick for 26072                       | 油芯              | 1         |
| 29       | 26068                  | Top Feed Vertical Motion Shaft           | 上送り上下軸          | 1         |
| 30       | 26074                  | Top Feed Vertical Motion Adjusting Lever | 上送り上下調節レバー      | 1         |
| 31       | 30228                  | Top Feed Vertical Motion Shaft Collar    | 上送り上下軸カラー       | 1         |
| 32       | 9604                   | Screw for 30228                          | 上送り上下軸カラー止ネジ    | 2         |
| 33       | 533                    | Washer for 26075                         | ワッシャー           | 1         |
| 34       | 4106                   | Screw for 26075                          | 上送り上下調節レバーピン止ネジ | 1         |
| 35       | 26075                  | Pin for 26074                            | 上送り上下調節レバーピン    | 1         |
| 36       | 26076                  | Top Feed Vertical Motion Lever Link      | 上送り上下レバーリンク     | 1         |
| 37       | 26078                  | Pin for 26077                            | 上送り上下レバーピン      | 1         |
| 38       | 26077                  | Top Feed Vertical Motion Lever           | 上送り上下レバー        | 1         |
| 39       | 26122                  | Top Feed Dog Bar Support (Right)         | 上送り台サポート(右)     | 1         |
| 40       | 2022                   | Screw for 26122                          | 上送り台サポート(右)止ネジ  | 1         |
| 41       | 26421                  | Top Feed Dog Bar Support (Left)          | 上送り台サポート(左)     | 1         |
| 42       | 687                    | Pin for 26421                            | 位置決メピン          | 1         |
| 43       | 26422                  | Presser Foot Adjusting Plate             | 押工前上り板          | 1         |
| 44       | 4353                   | Screw for 26421                          | 上送り台サポート(左)止ネジ  | 1         |



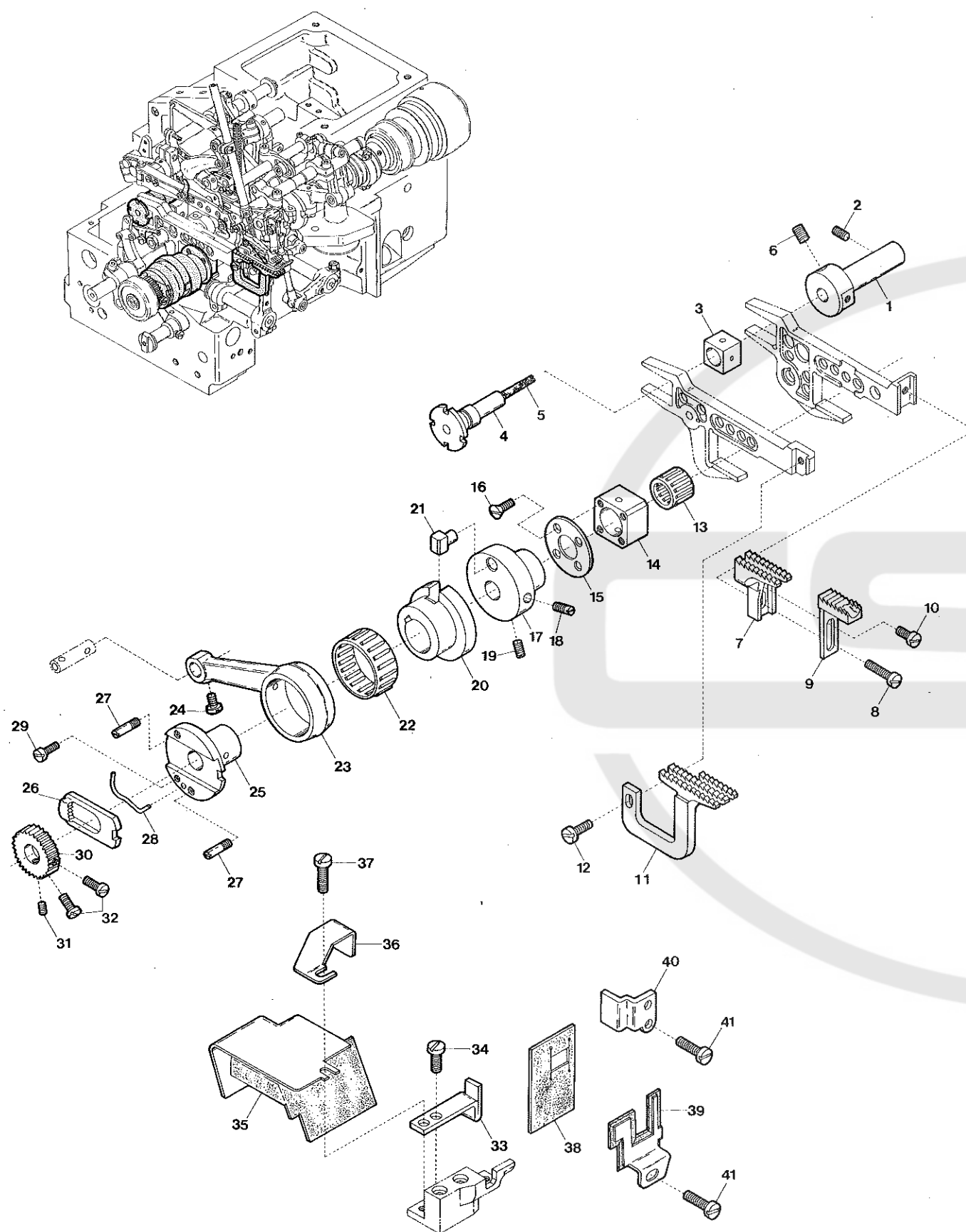
| Ref.<br>No. | Parts<br>No. | Description                                | 品 名          | Amt.<br>Req. |
|-------------|--------------|--------------------------------------------|--------------|--------------|
| 1           | 24191        | Upper Looper Driving Lever Connecting Rod  | 上ルーパロッド      | 1            |
| 2           | 5070         | Screw for 24191                            | 上ルーパロッド止ネジ   | 2            |
| 3           | 24194        | Looper Driving Lever Connecting Rod Pin    | 上ルーパロッドピン    | 1            |
| 4           | 4410         | Screw for 24194                            | 上ルーパロッドピン止ネジ | 1            |
| 5           | 638          | Seal Plug for 24194, 24063                 | 詰栓           | 2            |
| 6           | 24193        | Looper Driving Lever Link                  | ルーパリンク       | 1            |
| 7           | 24195        | Looper Driving Lever Link Pin              | ルーパリンクピン     | 1            |
| 8           | 1457         | Screw for 24195                            | ルーパリンクピン止ネジ  | 1            |
| 9           | 637          | Seal Plug for 24195                        | 詰栓           | 2            |
| 10          | 26038        | Upper Looper Driving Shaft Collar          | 上ルーパ軸カラー     | 1            |
| 11          | 5550         | Screw for 26038                            | 上ルーパ軸カラー止ネジ  | 1            |
| 12          | 26037        | Driving Shaft Thrust Washer                | スラストプレート     | 1            |
| 13          | 24192        | Upper Looper Driving Lever                 | 上ルーパ軸腕       | 1            |
| 14          | 507          | Washer for 24192                           | ワッシャ         | 1            |
| 15          | 5108         | Screw for 24192                            | 上ルーパ軸腕止ネジ    | 1            |
| 16          | 24063        | Upper Looper Driving Shaft                 | 上ルーパ軸        | 1            |
| 17          | 26265        | Upper Looper Bar Driving Arm, Complete Set | 上ルーパ腕(組)     | 1            |
| 18          | 22554        | Upper Looper Bar Driving Arm               | 上ルーパ腕        | 1            |
| 19          | 520          | Washer for 22554                           | ワッシャ         | 1            |
| 20          | 5522         | Screw for 22554                            | 上ルーパ腕止ネジ     | 1            |
| 21          | 20331        | Upper Looper Bar Driving Arm Pin           | 上ルーパ腕ピン      | 1            |
| 22          | 278          | Oil Wick for 20331                         | 油芯           | 1            |
| 23          | 3313         | Screw for 20331                            | 上ルーパ腕ピン止ネジ   | 1            |
| 24          | 26264        | Upper Looper Bar, Complete Set             | ルーパ棒(組)      | 1            |
| 25          | 24481        | Upper Looper Bar                           | ルーパ棒         | 1            |
| 26          | 20320        | Upper Looper Bar Guide                     | ルーパ案内        | 1            |
| 27          | 171          | Oil Wick for 20320, 22854                  | 油芯           | 1            |
| 28          | 265          | Oil Wick for 20320                         | 油芯           | 1            |
| 29          | 22854        | Upper Looper Bar Guide Bushing             | ルーパ案内ブッシュ    | 1            |
| 30          | 9508         | Screw for 22854                            | ルーパ案内ブッシュ止ネジ | 2            |
| 31          | 77432        | Seal for 22854                             | Oリング         | 1            |
| 32          | 21700        | Upper Looper                               | 上ルーパ         | 1            |
| 33          | 21705        | Upper Looper Holder Collar                 | 上ルーパ止メカラー    | 1            |
| 34          | 4144         | Screw for 21705                            | 上ルーパ止メカラー止ネジ | 1            |
| 35          | 20112        | Looper Thread Pull-off                     | ルーパ糸繰り       | 1            |
| 36          | 4358         | Screw for 20112, 20330                     | 止ネジ          | 2            |
| 37          | 20330        | Looper Bar Oil Wick Holder Plate           | ルーパ棒油芯止メ板    | 1            |
| 38          | 32812        | Oiling Felt Retainer                       | フェルト押エ       | 1            |
| 39          | 23468        | Oil Wick for 24481                         | 油芯           | 1            |
| 40          | 20322        | Looper Bar Guide Holder Bracket            | ルーパ案内押エ台     | 1            |
| 41          | 7311         | Screw for 20322                            | ルーパ案内押エ台止ネジ  | 1            |
| 42          | 20323        | Looper Bar Guide Holder                    | ルーパ案内押エ      | 1            |
| 43          | 3638         | Screw for 20323                            | ルーパ案内押エ止ネジ   | 1            |



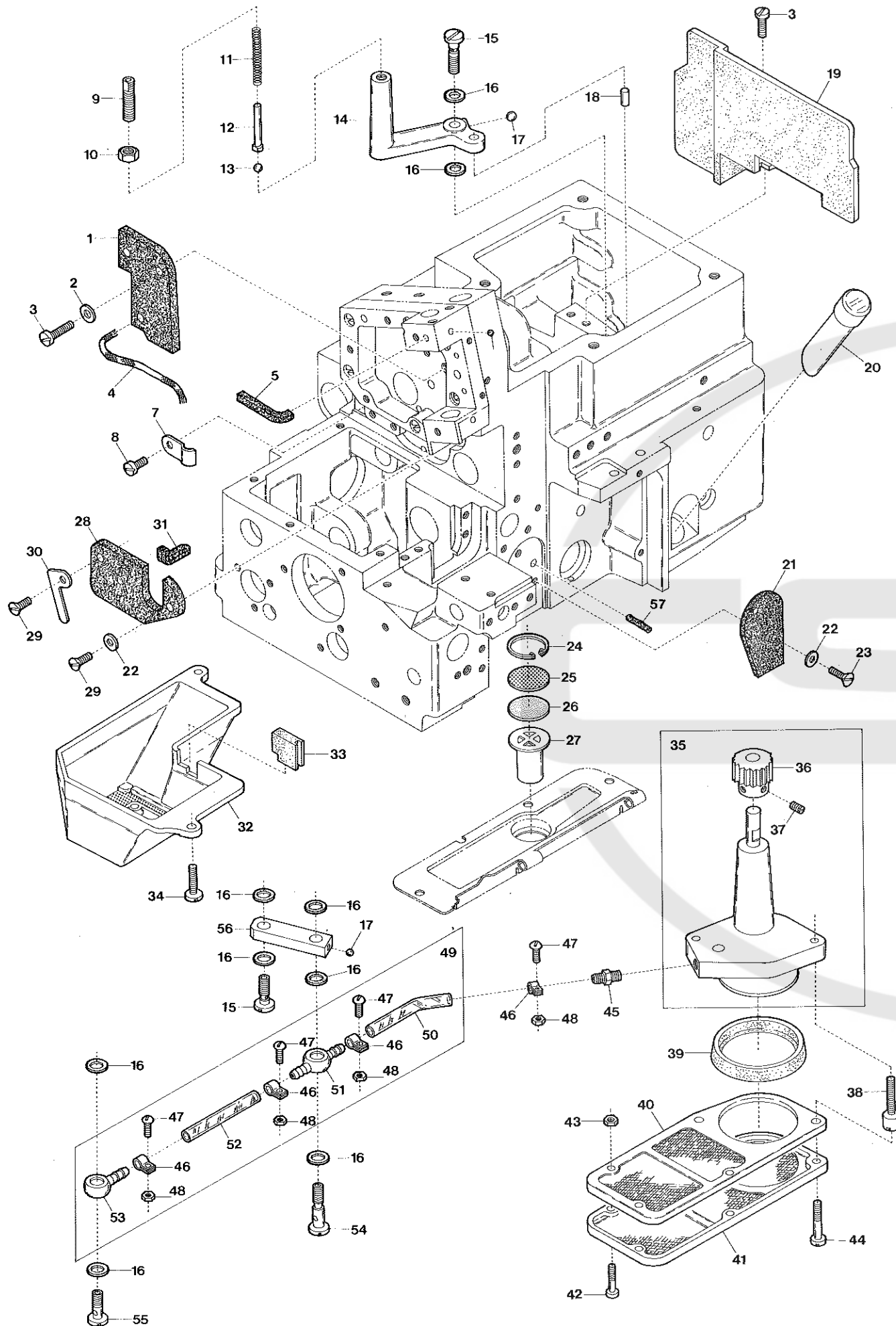
| Ref.<br>No. | Parts<br>No. | Description                               | 品 名          | Amt.<br>Req. |
|-------------|--------------|-------------------------------------------|--------------|--------------|
| 1           | 24064        | Lower Looper Driving Lever Connecting Rod | 下ルーパロッド      | 1            |
| 2           | 5070         | Screw for 24064                           | 下ルーパロッド止ネジ   | 2            |
| 3           | 8101         | Screw for 24064                           | 下ルーパロッド止ネジ   | 2            |
| 4           | 33057        | Ball Joint Guide Fork                     | 振止メ          | 1            |
| 5           | 9853         | Screw for 33057                           | 振止メ止ネジ       | 1            |
| 6           | 24065        | Ball Stud                                 | 下ルーパロッド球     | 1            |
| 7           | 636          | Seal Plug for 24065                       | 詰栓           | 1            |
| 8           | 4437         | Screw for 24065                           | 下ルーパロッド球止ネジ  | 1            |
| 9           | 30228        | Lower Looper Driving Shaft Collar         | 下ルーパ軸カラー     | 1            |
| 10          | 9604         | Screw for 30228                           | 下ルーパ軸カラー止ネジ  | 2            |
| 11          | 638          | Seal Plug for 24077                       | 詰栓           | 2            |
| 12          | 24077        | Lower Looper Driving Shaft                | 下ルーパ軸        | 1            |
| 13          | 24069        | Driving Shaft Thrust Washer               | スラストプレート     | 1            |
| 14          | 24068        | Lower Looper Driving Lever                | 下ルーパ軸腕       | 1            |
| 15          | 5108         | Screw for 24068                           | 下ルーパ軸腕止ネジ    | 1            |
| 16          | 21703        | Lower Looper Holder Arm                   | 下ルーパ台        | 1            |
| 17          | 520          | Washer for 21703                          | ワッシャ         | 1            |
| 18          | 5500         | Screw for 21703                           | 下ルーパ台止ネジ     | 1            |
| 19          | 21701        | Lower Looper                              | 下ルーパ         | 1            |
| 20          | 3638         | Screw for 21701                           | 下ルーパ止ネジ      | 1            |
| 21          | 21717        | Looper Thread Pull-off                    | 下ルーパ糸繰り      | 1            |
| 22          | 9121         | Screw for 21717                           | 下ルーパ糸繰り止ネジ   | 1            |
| 23          | 4130         | Guide Screw for 21717                     | 下ルーパ糸繰りガイドネジ | 1            |
| 24          | 24169        | Needle Guard (Rear)                       | 針受ケ(後)       | 1            |
| 25          | 5036         | Screw for 24169                           | 針受ケ(後)止ネジ    | 1            |
| 26          | 688          | Positioning Pin for 24169                 | 位置決メピン       | 1            |



| Ref. No. | Parts No. | Description                                  | 品名              | Amt. Req. |
|----------|-----------|----------------------------------------------|-----------------|-----------|
| 1        | 20445     | Feed Bar Driving Shaft Collar (Right)        | 送り軸カラー(右)       | 1         |
| 2        | 5550      | Screw for 20445, 32920, 22841                | 止ネジ             | 3         |
| 3        | 32920     | Feed Bar Driving Shaft Collar (Left)         | 送り軸カラー(左)       | 1         |
| 4        | 22588     | Main Feed Bar Driving Lever Eccentric        | 後送り腕エキセン        | 1         |
| 5        | 22587     | Main Feed Bar Driving Lever                  | 後送り腕            | 1         |
| 6        | 520       | Washer for 22587                             | ワッシャ            | 1         |
| 7        | 5520      | Screw for 22587, 24104, 24106                | 止ネジ             | 3         |
| 8        | 20425     | Main Feed Bar Driving Connection             | 後送りリンク          | 1         |
| 9        | 193       | Oil Wick for 20425                           | 油芯              | 1         |
| 10       | 755       | Pin for 193                                  | 油芯止メピン          | 1         |
| 11       | 33098     | Feed Bar Driving Connection Bushing          | 送りリンクブッシュ       | 2         |
| 12       | 451       | Nut for 33098                                | ナット             | 2         |
| 13       | 24173     | Feed Bar, Complete Set                       | 送り台(組)          | 1         |
| 14       | 24170     | Differential Feed Bar                        | 前送り台            | 1         |
| 15       | 24171     | Main Feed Bar                                | 後送り台            | 1         |
| 16       | 33099     | Feed Bar Driving Stud                        | 送りリンクピン         | 2         |
| 17       | 687       | Pin for 33099                                | ピン              | 2         |
| 18       | 22581     | Feed Bar Driving Shaft                       | 送り軸             | 1         |
| 19       | 639       | Seal Plug for 22581                          | 詰栓              | 2         |
| 20       | 24104     | Feed Bar Driving Shaft Lever                 | 送り軸腕            | 1         |
| 21       | 24105     | Feed Bar Driving Connecting Rod Pin          | 送りロッドピン         | 1         |
| 22       | 388       | Oil Wick for 24105                           | 油芯              | 1         |
| 23       | 637       | Seal Plug for 24105                          | 詰栓              | 2         |
| 24       | 3635      | Screw for 24105                              | 送りロッドピン止ネジ      | 1         |
| 25       | 24107     | Differential Feed Rocker, Complete Set       | 前送り腕(組)         | 1         |
| 26       | 24106     | Differential Feed Rocker                     | 前送り腕            | 1         |
| 27       | 20413     | Differential Feed Regulating Slide Pin       | スライダ            | 1         |
| 28       | 20414     | Differential Feed Regulating Slide Pin Cap   | スライダキャップ        | 1         |
| 29       | 9624      | Screw for 20414                              | スライダキャップ止ネジ     | 2         |
| 30       | 24183     | Differential Feed Bar Driving Connection     | 前送りリンク          | 1         |
| 31       | 192       | Oil Wick for 24183                           | 油芯              | 1         |
| 32       | 24184     | Oil Wick Holder                              | 油芯押エ            | 1         |
| 33       | 7616      | Screw for 24184                              | 油芯押エ止ネジ         | 1         |
| 34       | 22842     | Differential Feed Control Link, Complete Set | 前送り調節リンク(組)     | 1         |
| 35       | 22840     | Differential Feed Control Link               | 前送り調節リンク        | 1         |
| 36       | 5512      | Screw for 22840                              | 前送り調節リンク止ネジ     | 1         |
| 37       | 22841     | Differential Feed Control Lever (Inner)      | 前送り調節中レバー       | 1         |
| 38       | 4100      | Screw for 22841                              | 前送り調節中レバー止ネジ    | 1         |
| 39       | 30228     | Differential Feed Control Lever Shaft Collar | 前送り調節レバー軸カラー    | 1         |
| 40       | 9604      | Screw for 30228                              | 前送り調節レバー軸カラー止ネジ | 2         |
| 41       | 20436     | Thrust Washer                                | スラストワッシャ        | 1         |
| 42       | 33118     | Differential Feed Control Lever Shaft        | 前送り調節レバー軸       | 1         |
| 43       | 20418     | Differential Feed Control Lever (Outer)      | 前送り調節外レバー       | 1         |
| 44       | 4143      | Screw for Hanging Chain                      | 鎖掛ケネジ           | 1         |
| 45       | 20421     | Differential Feed Control Lever Spring       | 調節外レバーバネ        | 1         |
| 46       | 4118      | Screw for 20421                              | 調節外レバーバネ止ネジ     | 1         |
| 47       | 4110      | Screw for 20421                              | 調節外レバーバネ掛ケネジ    | 1         |
| 48       | 20419     | Differential Feed Graduations                | 送り目盛板           | 1         |
| 49       | 9930      | Screw for 20419                              | 送り目盛板止ネジ        | 1         |
| 50       | 4146      | Screw for 20419                              | 送り目盛板止ネジ        | 1         |
| 51       | 185       | Washer for 20419                             | ワッシャ            | 2         |
| 52       | 20420     | Differential Feed Control Lever Stopper      | 調節外レバーストップ      | 2         |
| 53       | 186       | Washer for 20420                             | ワッシャ            | 1         |
| 54       | 5038      | Screw for 20420                              | 調節外レバーストップ止ネジ   | 1         |
| 55       | 181       | Adjusting Nut for 20418                      | 調節ナット           | 1         |
| 56       | 4111      | Adjusting Screw for 20418                    | 調節ネジ            | 1         |
| 57       | 561       | Spring Washer for 20418                      | スプリングワッシャ       | 1         |
| 58       | 520       | Washer for 20418                             | ワッシャ            | 1         |
| 59       | 340       | Nut for 4111                                 | ナット             | 1         |

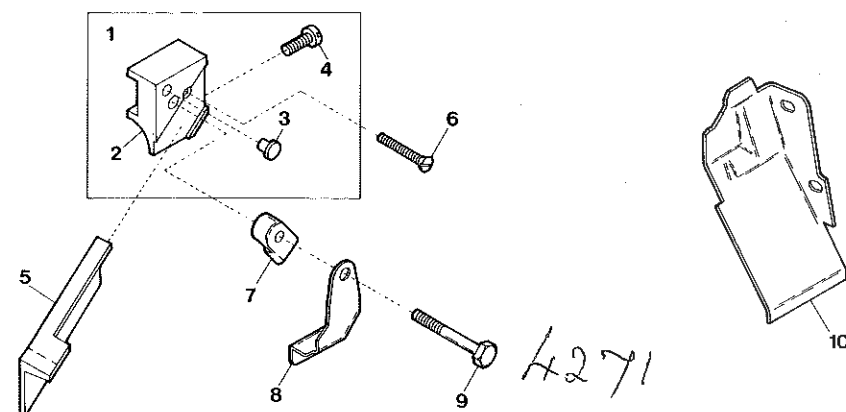


| Ref.<br>No. | Parts<br>No. | Description                              | 品名              | Amt.<br>Req. |
|-------------|--------------|------------------------------------------|-----------------|--------------|
| 1           | 32865        | Feed Bar Guide (Rear)                    | 送り台ガイド(後)       | 1            |
| 2           | 3632         | Screw for 32865                          | 送り台ガイド(後)止ネジ    | 1            |
| 3           | 32867        | Feed Bar Guide Block                     | 角駒(小)           | 1            |
| 4           | 33141        | Feed Adjusting Eccentric Pin             | エキセンピン          | 1            |
| 5           | 223          | Oil Wick for 33141                       | 油芯              | 1            |
| 6           | 3635         | Screw for 33141                          | エキセンピン止ネジ       | 1            |
| 7           | 21842        | Main Feed Dog                            | 後送り             | 1            |
| 8           | 7609         | Screw for 21842                          | 後送り止ネジ          | 1            |
| 9           | 21009        | Auxiliary Feed Dog                       | 小送り             | 1            |
| 10          | 9730         | Screw for 21009                          | 小送り止ネジ          | 1            |
| 11          | 24182        | Differential Feed Dog (Y5, Y6)           | 前送り(Y5、Y6)      | 1            |
| 12          | 4353         | Screw for Differential Feed Dog          | 前送り止ネジ          | 1            |
| 13          | 63153        | Roller Bearing for 24070                 | ニードルベアリング       | 1            |
| 14          | 24070        | Feed Lift Block                          | 角駒              | 1            |
| 15          | 24176        | Roller Bearing Retainer                  | ニードルベアリング押工     | 1            |
| 16          | 4139         | Screw for 24176                          | ニードルベアリング押工止ネジ  | 4            |
| 17          | 24067        | Feed Dog Regulating Eccentric Pin Holder | 送りエキセンピン取付台     | 1            |
| 18          | 3405         | Screw for 24067                          | 送りエキセンピン取付台止ネジ  | 1            |
| 19          | 3436         | Screw for 24067                          | 送りエキセンピン取付台止ネジ  | 1            |
| 20          | 20400        | Feed Dog Regulating Eccentric            | 送りエキセン          | 1            |
| 21          | 20401        | Feed Dog Regulating Eccentric Pin        | 送りエキセンピン        | 1            |
| 22          | 77322        | Roller Bearing for 24102                 | ニードルベアリング       | 1            |
| 23          | 24102        | Feed Dog Driving Connecting Rod          | 送りロッド           | 1            |
| 24          | 4410         | Screw for Connecting Rod Pin             | 送りロッドピン止ネジ      | 1            |
| 25          | 20452        | Feed Dog Regulating Control Eccentric    | 送り調節エキセン        | 1            |
| 26          | 23473        | Feed Dog Regulating Plate                | 送り調節プレート        | 1            |
| 27          | 4109         | Stopper Screw for 20452                  | 送り調節エキセンストップバネジ | 2            |
| 28          | 20454        | Feed Dog Regulating Plate Spring         | 送り調節プレートバネ      | 1            |
| 29          | 4099         | Main Screw for 20454                     | 送り調節プレートバネ決メネジ  | 1            |
| 30          | 24158        | Feed Dog Regulating Gear                 | 送り調節ギア          | 1            |
| 31          | 3638         | Screw for 24158                          | 送り調節ギア止ネジ       | 1            |
| 32          | 7601         | Screw for 24158                          | 送り調節ギア止ネジ       | 2            |
| 33          | 20428        | Feed Bar Guide (Left)                    | 送り台ガイド(左)       | 1            |
| 34          | 9853         | Screw for 20428                          | 送り台ガイド(左)止ネジ    | 1            |
| 35          | 20450        | Feed Dog Driving Connecting Rod Cover    | 送りロッドカバー        | 1            |
| 36          | 21191        | Feed Lift Block Guide                    | 角駒ガイド           | 1            |
| 37          | 5055         | Screw for 21191                          | 角駒ガイド止ネジ        | 1            |
| 38          | 24177        | Feed Bar Shield                          | 送り台シール          | 1            |
| 39          | 24179        | Feed Mechanism Front Shield              | 送り前カバー          | 1            |
| 40          | 20429        | Feed Bar Guide (Right)                   | 送り台ガイド(右)       | 1            |
| 41          | 4440         | Screw for 24179, 20429                   | 止ネジ             | 3            |

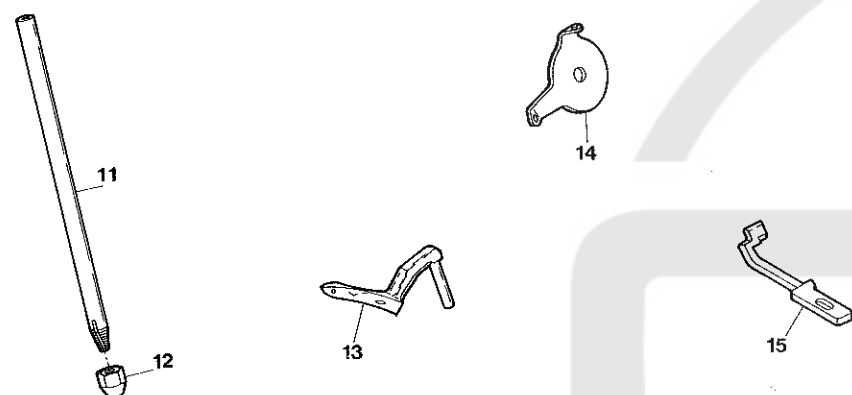


| Ref.<br>No. | Parts<br>No. | Description                                | 品名          | Amt.<br>Req. |
|-------------|--------------|--------------------------------------------|-------------|--------------|
| 1           | 26030        | Needle Bar Oiling Felt (Right)             | 針棒フェルト(右)   | 1            |
| 2           | 542          | Washer for 26030                           | ワッシャ        | 2            |
| 3           | 4440         | Screw for 26030, 26025                     | 止ネジ         | 4            |
| 4           | 235          | Oil Wick for 26030                         | 油芯          | 1            |
| 5           | 241          | Oil Wick for Needle Bar Bushing (Upper)    | 油芯          | 1            |
| 6           | 637          | Oil Seal Plug                              | 詰栓          | 1            |
| 7           | 26028        | Oil Wick Holder                            | 油芯支エ        | 1            |
| 8           | 1202         | Screw for 26028                            | 油芯支エ止ネジ     | 1            |
| 9           | 20534        | Oil Sight Nozzle                           | ノズル         | 1            |
| 10          | 419          | Nut for 20534                              | ナット         | 1            |
| 11          | 30745        | Oil Pressure Regulating Valve Spring       | 調圧弁バネ       | 1            |
| 12          | 30748        | Oil Pressure Regulating Valve Spring Guide | 調圧弁バネ案内ピン   | 1            |
| 13          | 80503        | Oil Pressure Regulating Ball               | 調圧ボール弁      | 1            |
| 14          | 20535        | Oil Pressure Regulating Valve              | 調圧弁座        | 1            |
| 15          | 4124         | Oil Tube Fitting Stud (Short)              | 管継手ボルト(短)   | 2            |
| 16          | 567          | Seal for 20535, 37668, 33980, 20539        | パッキン        | 9            |
| 17          | 638          | Seal Plug for 20535, 20539                 | 詰栓          | 2            |
| 18          | 651          | Pin for 20535                              | ピン          | 1            |
| 19          | 26025        | Oil Defender                               | 油除ケ         | 1            |
| 20          | 20533        | Oil Sight Gauge                            | オイルゲージ      | 1            |
| 21          | 20325        | Upper Looper Bar Oiling Felt               | ルーバフェルト     | 1            |
| 22          | 538          | Washer for 20325, 26031                    | ワッシャ        | 3            |
| 23          | 7619         | Screw for 20325                            | ルーバフェルト止ネジ  | 2            |
| 24          | 20020        | Filter Screen Clamp                        | 前カバー濾過網押エ   | 1            |
| 25          | 20019        | Front Cover Filter Screen (Coarse Mesh)    | 前カバー濾過網(荒目) | 1            |
| 26          | 24166        | Front Cover Filter Screen                  | 前カバー濾過網     | 1            |
| 27          | 24167        | Front Cover Filter Screen Holder           | 前カバー濾過網受け   | 1            |
| 28          | 26031        | Top Feed Dog Bar Oiling Felt               | 上送り台フェルト    | 1            |
| 29          | 7621         | Screw for 26031, 26027                     | 止ネジ         | 2            |
| 30          | 26027        | Top Feed Dog Bar Oiling Felt Holder        | 上送り台フェルト押エ  | 1            |
| 31          | 321          | Oil Wick for Top Feed Dog Bar              | 油芯          | 1            |
| 32          | 20546        | Feed Mechanism Filter Screen               | 送り濾過網       | 1            |
| 33          | 24109        | Feed Mechanism Filter Screen Side Cover    | 送り濾過網横蓋     | 1            |
| 34          | 9150         | Screw for 20546                            | 送り濾過網止ネジ    | 2            |
| 35          | 20526        | Oil Pump, Complete Set                     | ポンプ(組)      | 1            |
| 36          | 20520        | Worm Wheel                                 | ウォームホイール    | 1            |
| 37          | 4108         | Screw for 20520                            | ウォームホイール止ネジ | 2            |
| 38          | 4115         | Screw for 20526                            | ポンプ(組)止ネジ   | 2            |
| 39          | 20530        | Pump Filter Screen Sleeve                  | ポンプ濾過網スリーブ  | 1            |
| 40          | 20531        | Pump Filter Screen (Upper)                 | ポンプ濾過網(上)   | 1            |
| 41          | 20532        | Pump Filter Screen (Lower)                 | ポンプ濾過網(下)   | 1            |
| 42          | 4116         | Screw for 20531, 20532                     | ポンプ濾過網止ネジ   | 3            |
| 43          | 180          | Nut for 20531, 20532                       | ナット         | 3            |
| 44          | 5004         | Screw for 20531, 20532                     | ポンプ濾過網止ネジ   | 2            |
| 45          | 9909         | Oil Tube Fitting Nut                       | パイプ継手       | 1            |
| 46          | 32944        | Oil Tube Clamp                             | 緊束環         | 4            |
| 47          | 9989         | Screw for 32944                            | 緊束環止ネジ      | 4            |
| 48          | 15           | Nut for 32944                              | ナット         | 4            |
| 49          | 20554        | Oil Lubricating Tube, Complete Set         | 給油パイプ(組)    | 1            |
| 50          | 33668        | Oil Tube (4×6×50mm)                        | 給油パイプ       | 1            |
| 51          | 37668        | Oil Tube Fitting Two Way                   | 両口管継手       | 1            |
| 52          | 32949        | Oil Tube (4×6×58mm)                        | 給油パイプ       | 1            |
| 53          | 33980        | Oil Tube Fitting One Way End               | 片口管継手       | 1            |
| 54          | 4126         | Oil Tube Fitting Stud (Long)               | 管継手ボルト(長)   | 1            |
| 55          | 7668         | Oil Tube Fitting Stud (Short)              | 管継手ボルト(短)   | 1            |
| 56          | 20539        | Lubricant Guiding Block                    | 給油ブロック      | 1            |
| 57          | 376          | Oil Wick for Machine Frame                 | 油芯          | 1            |

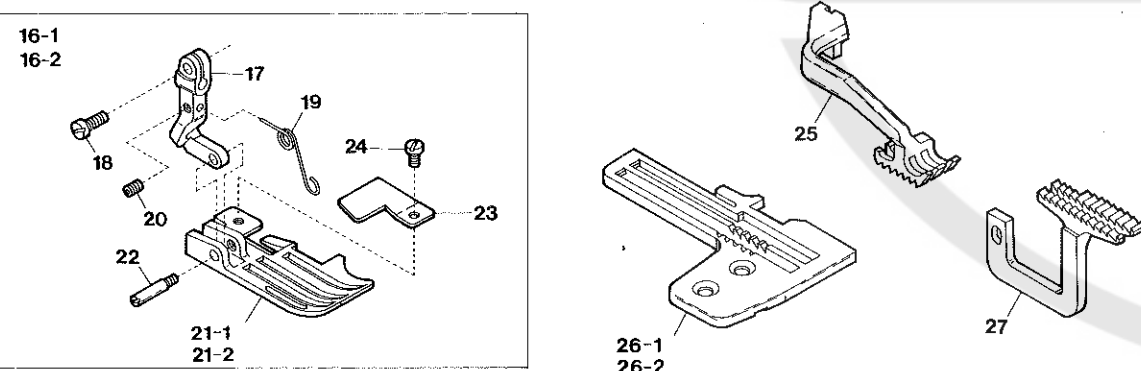
## UPPER KNIFE(Angled type)



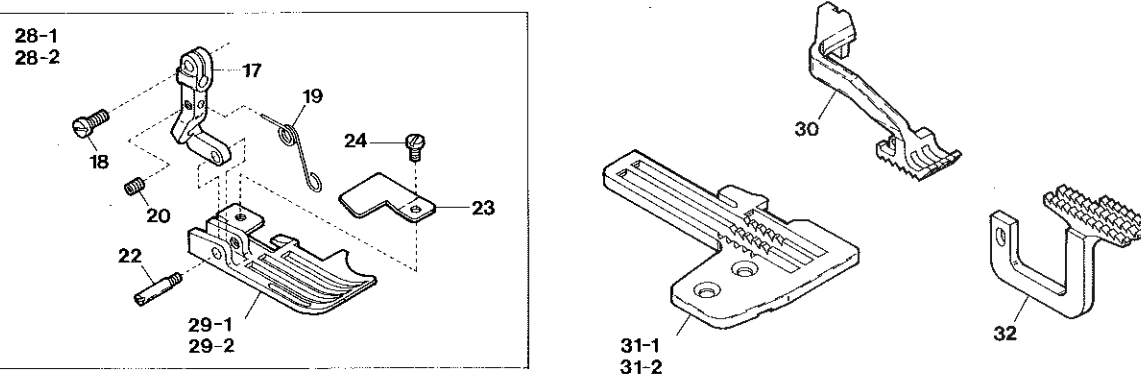
## ZF1003



## ZF1003-03,04

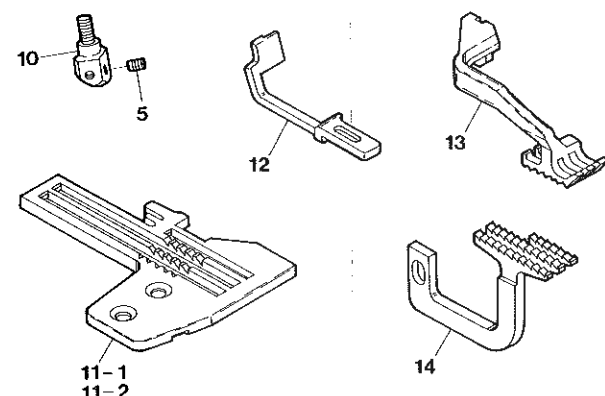
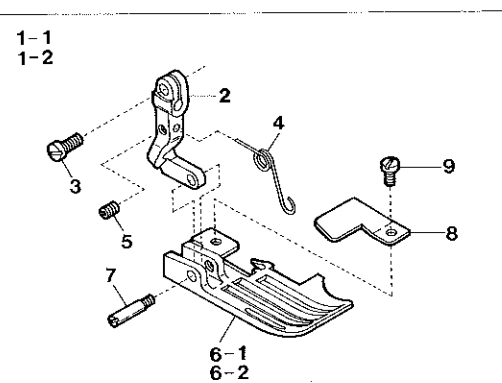


## ZF1003 05, 06

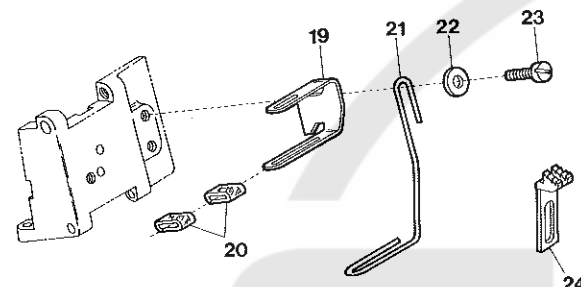
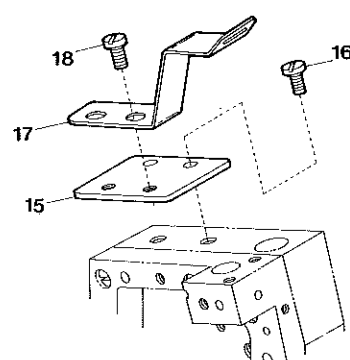
EXCLUSIVE PARTS for UPPER KNIFE(Angled Type) 角メス及びサブモデル  
and ZF 1003 専用部品

| Ref. No. | Parts No. | Description                           | 品名           | Amt Req. |
|----------|-----------|---------------------------------------|--------------|----------|
| 1        | 22198     | Upper Knife Holder, Complete Set      | 上メスホルダ(角)(組) | 1        |
| 2        | 22778     | Upper Knife Holder                    | 上メスホルダ       | 1        |
| 3        | 20489     | Upper Knife Holder Packing            | 上メスホルダ埋メ座    | 1        |
| 4        | 4404      | Stopper Screw for 20491               | 上メスストップバネジ   | 1        |
| 5        | 20491     | Upper Knife                           | 上メス          | 1        |
| 6        | 4105      | Screw for 22778                       | 上メスホルダ止ネジ    | 1        |
| 7        | 20492     | Upper Knife Clamp                     | 上メス押エ        | 1        |
| 8        | 22759     | Upper Knife Chip Guard                | 切屑押シ         | 1        |
| 9        | 4104/4271 | Screw for 22759                       | 切屑押シ止ネジ      | 1        |
| 10       | 24153     | Chip Guard                            | 切屑落シ板        | 1        |
| 11       | 37122     | Needle Bar                            | 針棒           | 1        |
| 12       | 62        | Needle Clamping Nut                   | 針止メナット       | 1        |
| 13       | 27012     | Upper Looper                          | 上ルーパ         | 1        |
| 14       | 21001     | Tension Disc Eyelet for Needle Thread | 針糸調子台糸道      | 1        |
| 15       | 24061     | Needle Guard (Front)                  | 針受ケ(前)       | 1        |
| 16-1     | 26296     | Presser Foot, Complete Set (03)       | 押エ(組)(O3)    | 1        |
| 16-2     | 26297     | " " (04)                              | " (O4)       | 1        |
| 17       | 26139     | Presser Foot Hinge                    | 押エヒンジ        | 1        |
| 18       | 4351      | Screw for 26139                       | 押エヒンジ止ネジ     | 1        |
| 19       | 26141     | Presser Foot Spring                   | 押エバネ         | 1        |
| 20       | 3637      | Screw for 26141                       | 押エバネ止ネジ      | 1        |
| 21-1     | 26292     | Presser Foot (03)                     | 押エ(O3)       | 1        |
| 21-2     | 26293     | " (04)                                | " (O4)       | 1        |
| 22       | 26140     | Presser Foot Hinge Pin                | 押エヒンジピン      | 1        |
| 23       | 26142     | Presser Foot Chain Shield             | 空糸押エ         | 1        |
| 24       | 4141      | Screw for 26142                       | 空糸押エ止ネジ      | 1        |
| 25       | 26511     | Top Feed Dog                          | 上送り          | 1        |
| 26-1     | 24228     | Stitch Plate (03)                     | 針板(O3)       | 1        |
| 26-2     | 24229     | " (04)                                | " (O4)       | 1        |
| 27       | 24180     | Differential Feed Dog                 | 前送り          | 1        |
| 28-1     | 26298     | Presser Foot, Complete Set (05)       | 押エ(組)(O5)    | 1        |
| 28-2     | 26299     | " " (06)                              | " (O6)       | 1        |
| 29-1     | 26294     | Presser Foot (05)                     | 押エ(O5)       | 1        |
| 29-2     | 26295     | " (06)                                | " (O6)       | 1        |
| 30       | 26510     | Top Feed Dog                          | 上送り          | 1        |
| 31-1     | 24230     | Stitch Plate (05)                     | 針板(O5)       | 1        |
| 31-2     | 24231     | " (06)                                | " (O6)       | 1        |
| 32       | 24182     | Differential Feed Dog                 | 前送り          | 1        |

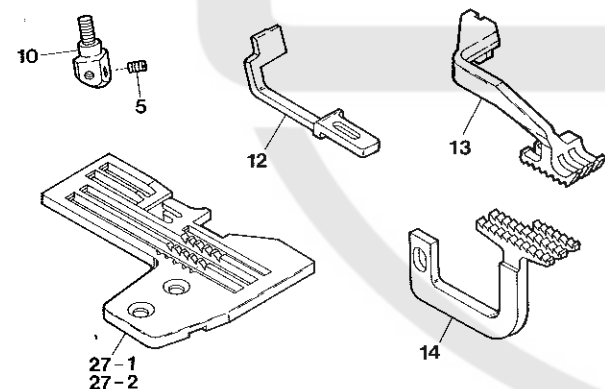
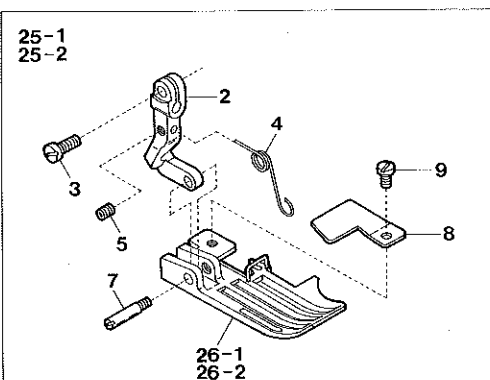
## ZF1020-X



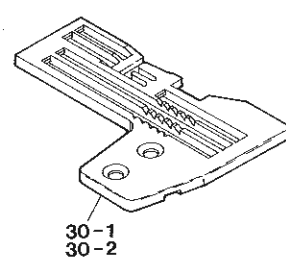
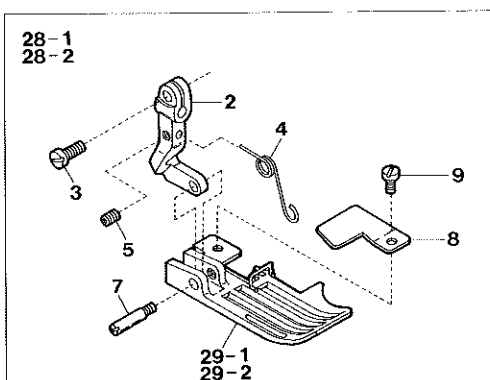
## ZF1025



## ZF1025-X



## ZF1025-Y

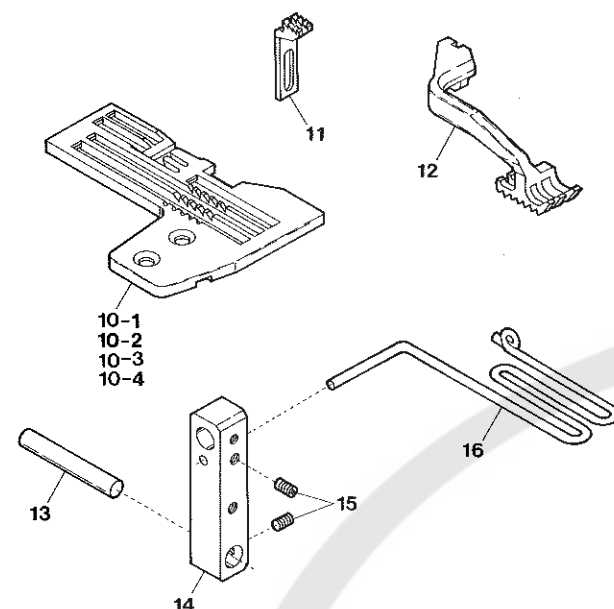
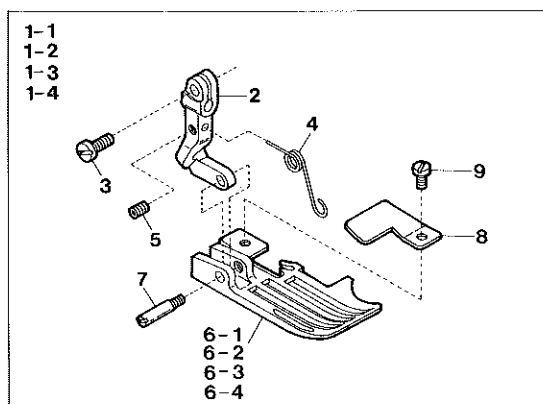


## ZF1020-X, 1025-X, 1025-Y EXCLUSIVE PARTS

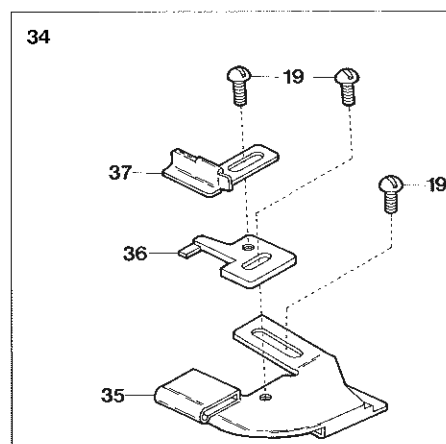
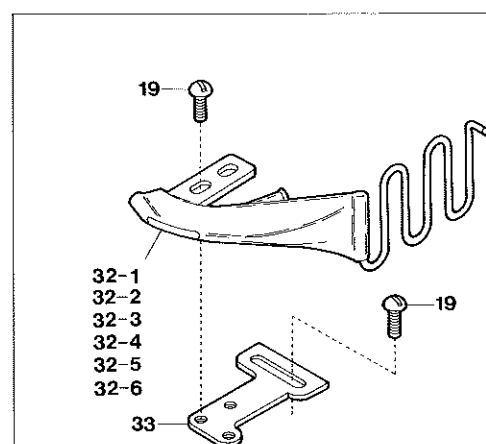
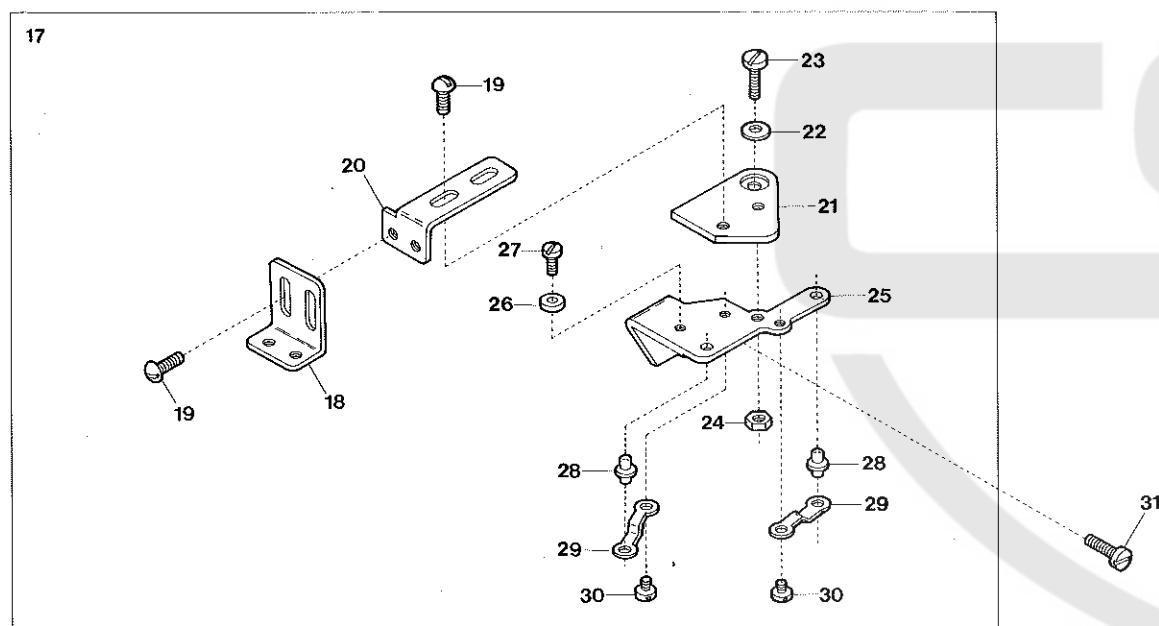
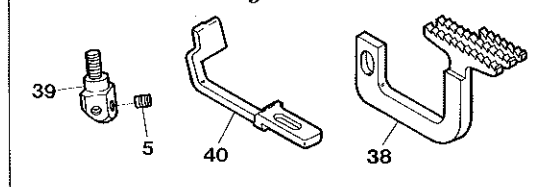
## サブモデル専用部品 18

| Ref. No. | Parts No. | Description                     | 品名              | Amt. Req. |
|----------|-----------|---------------------------------|-----------------|-----------|
| 1-1      | 26150     | Presser Foot, Complete Set (X4) | 押工(組)(X4)       | 1         |
| 1-2      | 26149     | " (X5)                          | " (X5)          | 1         |
| 2        | 26139     | Presser Foot Hinge              | 押工ヒンジ           | 1         |
| 3        | 4351      | Screw for 26139                 | 押工ヒンジ止ネジ        | 1         |
| 4        | 26141     | Presser Foot Spring             | 押工バネ            | 1         |
| 5        | 3637      | Screw for 26141, Needle         | 止ネジ             | 3         |
| 6-1      | 26151     | Presser Foot (X4)               | 押工(X4)          | 1         |
| 6-2      | 26148     | " (X5)                          | " (X5)          | 1         |
| 7        | 26140     | Presser Foot Hinge Pin          | 押工ヒンジピン         | 1         |
| 8        | 26142     | Presser Foot Chain Shield       | 空糸押工            | 1         |
| 9        | 4142      | Screw for 26142                 | 空糸押工止ネジ         | 1         |
| 10       | 36628     | Needle Clamp (X)                | 針止メ(X)          | 1         |
| 11-1     | 24233     | Stitch Plate (X4)               | 針板(X4)          | 1         |
| 11-2     | 24234     | " (X5)                          | " (X5)          | 1         |
| 12       | 21238     | Needle Guard (Front)            | 針受け(前)          | 1         |
| 13       | 26511     | Top Feed Dog                    | 上送り             | 1         |
| 14       | 24199     | Differential Feed Dog           | 前送り             | 1         |
| 15       | 26289     | Tape Guide (Upper) Support      | テープガイド(上)取付板    | 1         |
| 16       | 4440      | Screw for 26289                 | テープガイド(上)取付板止ネジ | 2         |
| 17       | 24130     | Tape Guide (Upper)              | テープガイド(上)       | 1         |
| 18       | 9932      | Screw for 24130                 | テープガイド(上)止ネジ    | 2         |
| 19       | 24129     | Tape Guide (Lower)              | テープガイド(下)       | 1         |
| 20       | 33738     | Tape Guide Tube                 | テープ支エ           | 2         |
| 21       | 26288     | Tape Guide (Lower) (Long)       | テープガイド(下)(長)    | 1         |
| 22       | 553       | Washer for 26288                | ワッシャ            | 2         |
| 23       | 7405      | Screw for 26288                 | テープガイド(下)(長)止ネジ | 2         |
| 24       | 22956     | Auxiliary Feed Dog              | 小送り             | 1         |
| 25-1     | 26284     | Presser Foot, Complete Set (X4) | 押工(組)(X4)       | 1         |
| 25-2     | 26273     | " (X5)                          | " (X5)          | 1         |
| 26-1     | 26285     | Presser Foot (X4)               | 押工(X4)          | 1         |
| 26-2     | 26272     | " (X5)                          | " (X5)          | 1         |
| 27-1     | 24242     | Stitch Plate (X4)               | 針板(X4)          | 1         |
| 27-2     | 24243     | " (X5)                          | " (X5)          | 1         |
| 28-1     | 26280     | Presser Foot, Complete Set (Y5) | 押工(組)(Y5)       | 1         |
| 28-2     | 26275     | " (Y6)                          | " (Y6)          | 1         |
| 29-1     | 26281     | Presser Foot (Y5)               | 押工(Y5)          | 1         |
| 29-2     | 26274     | " (Y6)                          | " (Y6)          | 1         |
| 30-1     | 24237     | Stitch Plate (Y5)               | 針板(Y5)          | 1         |
| 30-2     | 24238     | " (Y6)                          | " (Y6)          | 1         |

## ZF1026-Y, X



## ZF1026-X Only

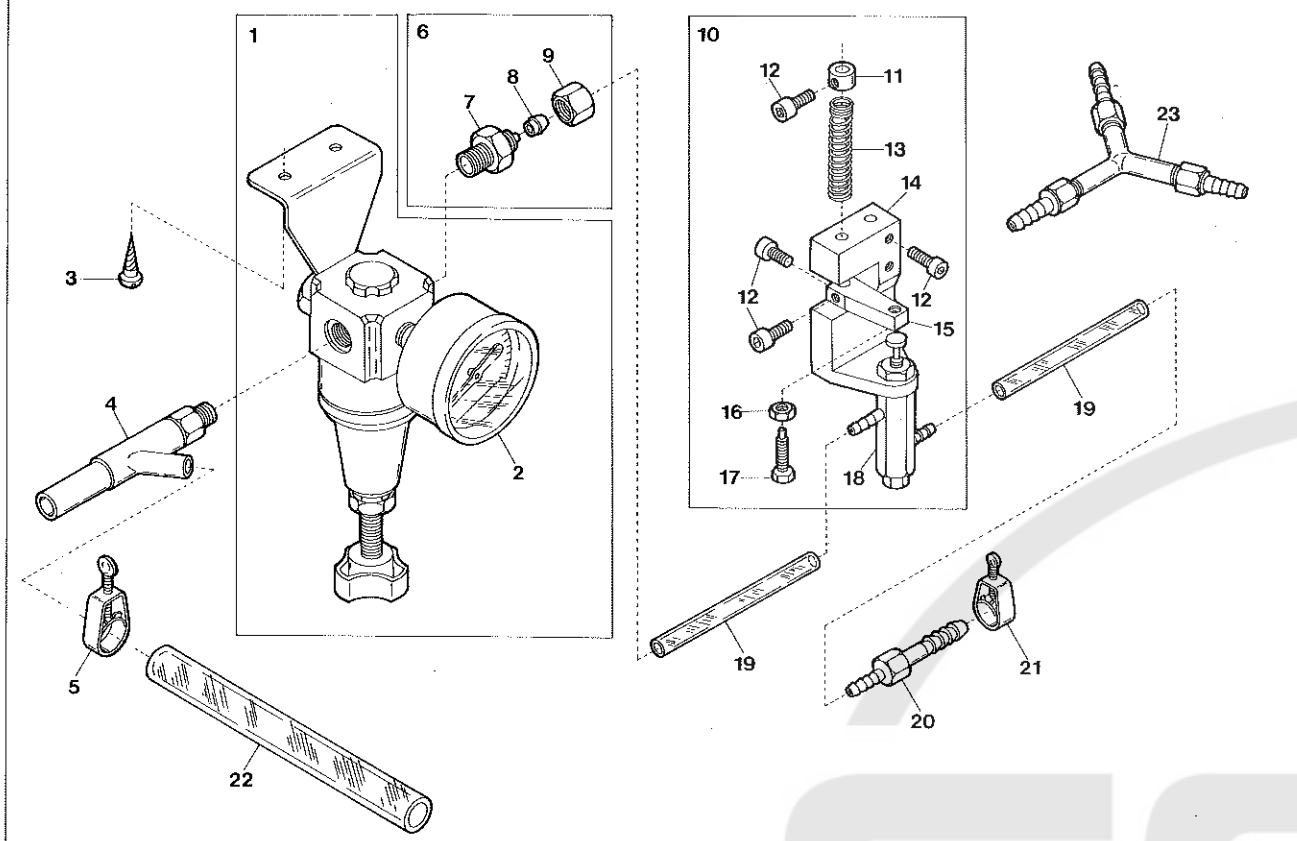


## ZF1026 EXCLUSIVE PARTS

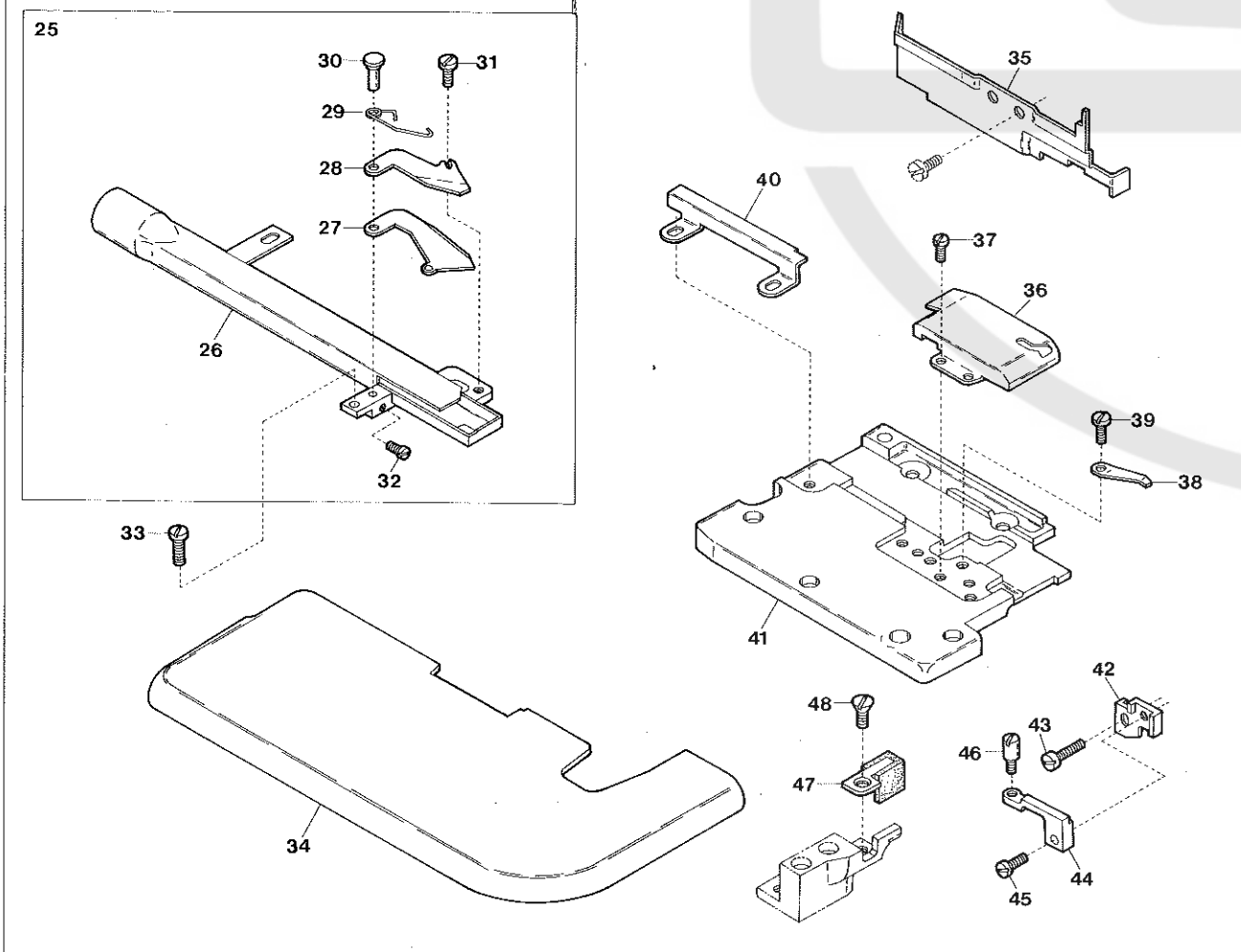
## サブモデル専用部品 19

| Ref. No. | Parts No. | Description                           | 品名                | Amt. Req. |
|----------|-----------|---------------------------------------|-------------------|-----------|
| 1-1      | 26230     | Presser Foot, Complete Set (Y5)       | 押エ(組)(Y5)         | 1         |
| 1-2      | 26231     | " " (Y6)                              | " (Y6)            | 1         |
| 1-3      | 26269     | " " (X4)                              | " (X4)            | 1         |
| 1-4      | 26339     | " " (X5)                              | " (X5)            | 1         |
| 2        | 26139     | Presser Foot Hinge                    | 押エヒンジ             | 1         |
| 3        | 4351      | Screw for 26139                       | 押エヒンジ止ネジ          | 1         |
| 4        | 26141     | Presser Foot Spring                   | 押エバネ              | 1         |
| 5        | 3637      | Screw for 26141, Needle               | 止ネジ               | 3         |
| 6-1      | 26232     | Presser Foot (Y5)                     | 押エ(Y5)            | 1         |
| 6-2      | 26233     | " (Y6)                                | " (Y6)            | 1         |
| 6-3      | 26268     | " (X4)                                | " (X4)            | 1         |
| 6-4      | 26338     | " (X5)                                | " (X5)            | 1         |
| 7        | 26140     | Presser Foot Hinge Pin                | 押エヒンジピン           | 1         |
| 8        | 26142     | Presser Foot Chain Shield             | 空糸押エ              | 1         |
| 9        | 4141      | Screw for 26142                       | 空糸押エ止ネジ           | 1         |
| 10-1     | 24237     | Stitch Plate (Y5)                     | 針板(Y5)            | 1         |
| 10-2     | 24238     | " (Y6)                                | " (Y6)            | 1         |
| 10-3     | 24242     | " (X4)                                | " (X4)            | 1         |
| 10-4     | 24243     | " (X5)                                | " (X5)            | 1         |
| 11       | 22956     | Auxiliary Feed Dog                    | 小送り               | 1         |
| 12       | 26512     | Top Feed Dog                          | 上送り               | 1         |
| 13       | 22981     | Tape Guide Stay Shaft                 | テープガイド支エ取付軸       | 1         |
| 14       | 22963     | Tape Guide Stay                       | テープガイド支エ          | 1         |
| 15       | 3638      | Screw for 22963, 22982                | 止ネジ               | 2         |
| 16       | 22982     | Tape Guide                            | テープガイド            | 1         |
| 17       | 26239     | Folder Support, Complete Set          | 定規取付台(組)          | 1         |
| 18       | 26242     | Vertical Adjusting Plate              | 上下調節板             | 1         |
| 19       | 1331      | Screw for 26242, 26241, 26243, Folder | 止ネジ               | 8         |
| 20       | 26241     | Rateral Adjusting Plate               | 左右調節板             | 1         |
| 21       | 26240     | Swing-out Lever                       | スイングアウトレバー        | 1         |
| 22       | 172       | Spring Washer for 26240               | スプリングワッシャー        | 1         |
| 23       | 4150      | Screw for 26240                       | スイングアウトレバー止ネジ     | 1         |
| 24       | 334       | Nut for 26240                         | ナット               | 1         |
| 25       | 22447     | Swing-out Lever Holder                | スイングアウトレバー取付台     | 1         |
| 26       | 22448     | Swing-out Lever Stopper               | スイングアウトレバーストップ    | 1         |
| 27       | 5036      | Screw for 22448                       | スイングアウトレバーストップ止ネジ | 1         |
| 28       | 22435     | Folder Positioning Pin                | 定規固定ピン            | 2         |
| 29       | 22436     | Folder Positioning Pin Holder Spring  | 定規固定ピン押エバネ        | 2         |
| 30       | 1227      | Screw for 22436                       | 定規固定ピン押エバネ止ネジ     | 2         |
| 31       | 9150      | Screw for 22447                       | スイングアウトレバー取付台止ネジ  | 2         |
| 32-1     | 26226     | Folder (for Heavy Materials) (18mm)   | 定規(厚物用)           | 1         |
| 32-2     | 26236     | " " (20 " )                           | " " (20 " )       | 1         |
| 32-3     | 26228     | " " (22 " )                           | " " (22 " )       | 1         |
| 32-4     | 26225     | " (for Light Materials) (18mm)        | " (薄物用)           | 1         |
| 32-5     | 26237     | " " (20 " )                           | " " (20 " )       | 1         |
| 32-6     | 26227     | " " (22 " )                           | " " (22 " )       | 1         |
| 33       | 26243     | Folder Supporting Plate               | 定規取付板             | 1         |
| 34       | 26238     | Piping Tape Folder, Complete Set      | パイピングテープ定規(組)     | 1         |
| 35       | 26246     | Piping Tape Folder Support            | パイピングテープ取付台       | 1         |
| 36       | 26251     | Piping Tape Guide Plate               | テープガイド板           | 1         |
| 37       | 26250     | Edge Guide (Upper)                    | 当て定規(上)           | 1         |
| 38       | 24199     | Differential Feed Dog (ZF1026-X Only) | 前送り(ZF1026-Xのみ)   | 1         |
| 39       | 36628     | Needle Clamp (X)                      | 針止メ(X)            | 1         |
| 40       | 21238     | Needle Guard (Front)                  | 針受ケ(前)            | 1         |

## "C" DEVICE



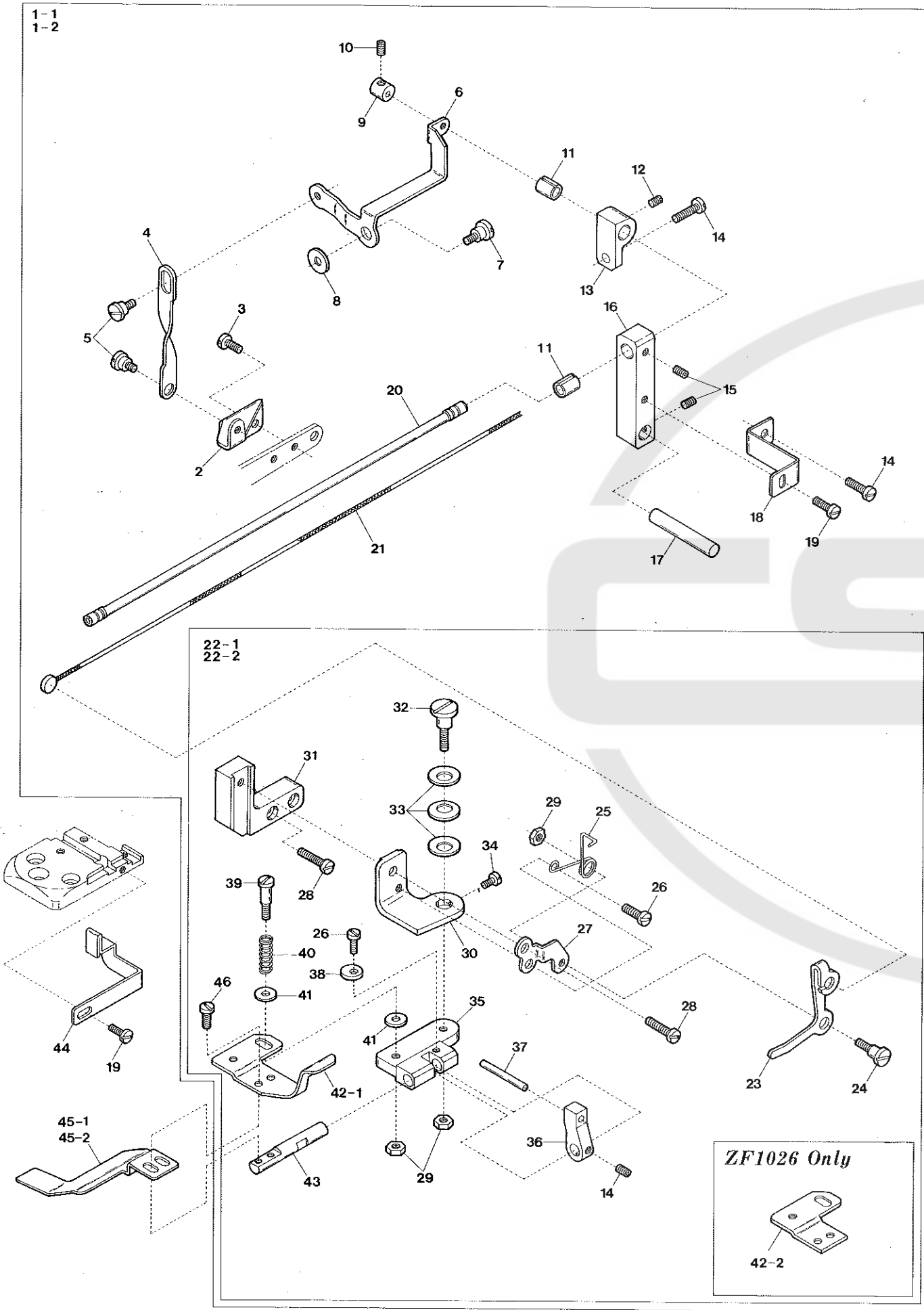
## 24 "K" DEVICE



## "C" &amp; "K" DEVICE

| Ref.<br>No. | Parts<br>No. | Description                              | 品名              | Amt.<br>Req. |
|-------------|--------------|------------------------------------------|-----------------|--------------|
| 1           | 33925        | Regulator, Complete Set                  | レギュレータ(組)       | 1            |
| 2           | 33928        | Pressure Gauge                           | プレッシャゲージ        | 1            |
| 3           | 6905         | Screw for 33925                          | レギュレータ(組)止ネジ    | 2            |
| 4           | 10100        | Venturi Tuve, Complete Set               | ベンチュリ管(組)       | 1            |
| 5           | 33940        | Hose Band (3/8 inch)                     | ホースバンド          | 1            |
| 6           | 33931        | Mouth-Piece, Complete Set (PT 1/8 inch)  | ストレートジョイント(組)   | 1            |
| 7           | 33949        | Mouth-Piece (PT 1/8 inch)                | ストレートジョイント      | 1            |
| 8           | 33951        | Pipe Holder                              | ナイロンホルダ         | 1            |
| 9           | 33950        | Nut for Straight Joint                   | ナット             | 1            |
| 10          | 33953        | Air Valve, Complete Set                  | エアバルブ(組)        | 1            |
| 11          | 33938        | Collar for 33937                         | エアバルブ補助バネカラー    | 1            |
| 12          | 5040         | Screw for 33938, 33936, 33935            | 止ネジ             | 5            |
| 13          | 33937        | Return Spring for 33935                  | エアバルブ補助バネ       | 1            |
| 14          | 33936        | Air Valve Holder                         | エアバルブ取付台        | 1            |
| 15          | 33935        | Air Valve Stopper                        | エアバルブストッパ       | 1            |
| 16          | 334          | Nut for 33935                            | ナット             | 1            |
| 17          | 5505         | Screw for 33935                          | エアバルブストッパ調節ネジ   | 1            |
| 18          | 33934        | Air Valve                                | エアバルブ           | 1            |
| 19          | 33941        | Nylon Hose (3.8×6×2000mm)                | ナイロンホース         | 2            |
| 20          | 33932        | Joint for Single Head                    | ジョイント(ミシン1台の時)  | 1            |
| 21          | 33939        | Hose Band (1/4 inch)                     | ホースバンド          | 3            |
| 22          | 33942        | Nylon Hose (12×18×1000mm)                | ナイロンホース         | 1            |
| 23          | 33933        | Three Pronged Joint, for Plural Heads    | 三又ジョイント(2台以上の時) | 1            |
| 24          | 26165        | "K" Device, Complete Set                 | "K"装置(組)        | 1            |
| 25          | 25157        | Suction Pipe, Complete Set               | 吸込管(組)          | 1            |
| 26          | 25166        | Suction Pipe                             | 吸込管本体           | 1            |
| 27          | 20910        | Lower Trimming Knife                     | 下刃              | 1            |
| 28          | 20895        | Upper Trimming Knife                     | 上刃              | 1            |
| 29          | 33575        | Lower Trimming Knife Spring              | 下刃バネ            | 1            |
| 30          | 33588        | Trimming Knife Holder Pin                | 刃支持ピン           | 1            |
| 31          | 5036         | Screw for 20895                          | 上刃止ネジ           | 1            |
| 32          | 4236         | Screw for 33588                          | 刃支持ピン止ネジ        | 1            |
| 33          | 1202         | Screw for 25156                          | 吸込管本体止ネジ        | 1            |
| 34          | 26162        | Cloth Plate                              | クロスプレート         | 1            |
| 35          | 26161        | Fabric Guide                             | 布案内             | 1            |
| 36          | 26163        | Suction Pipe Cover                       | 吸込管カバー          | 1            |
| 37          | 4358         | Screw for 26163                          | 吸込管カバー止ネジ       | 2            |
| 38          | 33593        | Lower Trimming Knife Pushing Plate       | 下刃圧着バネ          | 1            |
| 39          | 7616         | Screw for 33593                          | 下刃圧着バネ止ネジ       | 1            |
| 40          | 25152        | Supplementary Cloth Plate                | 補助クロスプレート       | 1            |
| 41          | 26160        | Feed Mechanism Cover                     | 送り台カバー          | 1            |
| 42          | 25151        | Guide Holder Connection for 20910        | 下刃ガイド取付台        | 1            |
| 43          | 7609         | Screw for 25151                          | 下刃ガイド取付台止ネジ     | 1            |
| 44          | 20928        | Guide Holder for 20910                   | 下刃ガイドピン取付台      | 1            |
| 45          | 1196         | Screw for 20928                          | 下刃ガイドピン取付台止ネジ   | 1            |
| 46          | 3348         | Guide Pin for 20910                      | 下刃ガイドピンネジ       | 1            |
| 47          | 24324        | Feed Mechanism Front Shield (Upper) Unit | 送り前カバー(上)(組)    | 1            |
| 48          | 9143         | Screw for 24324                          | 送り前カバー(上)(組)止ネジ | 1            |

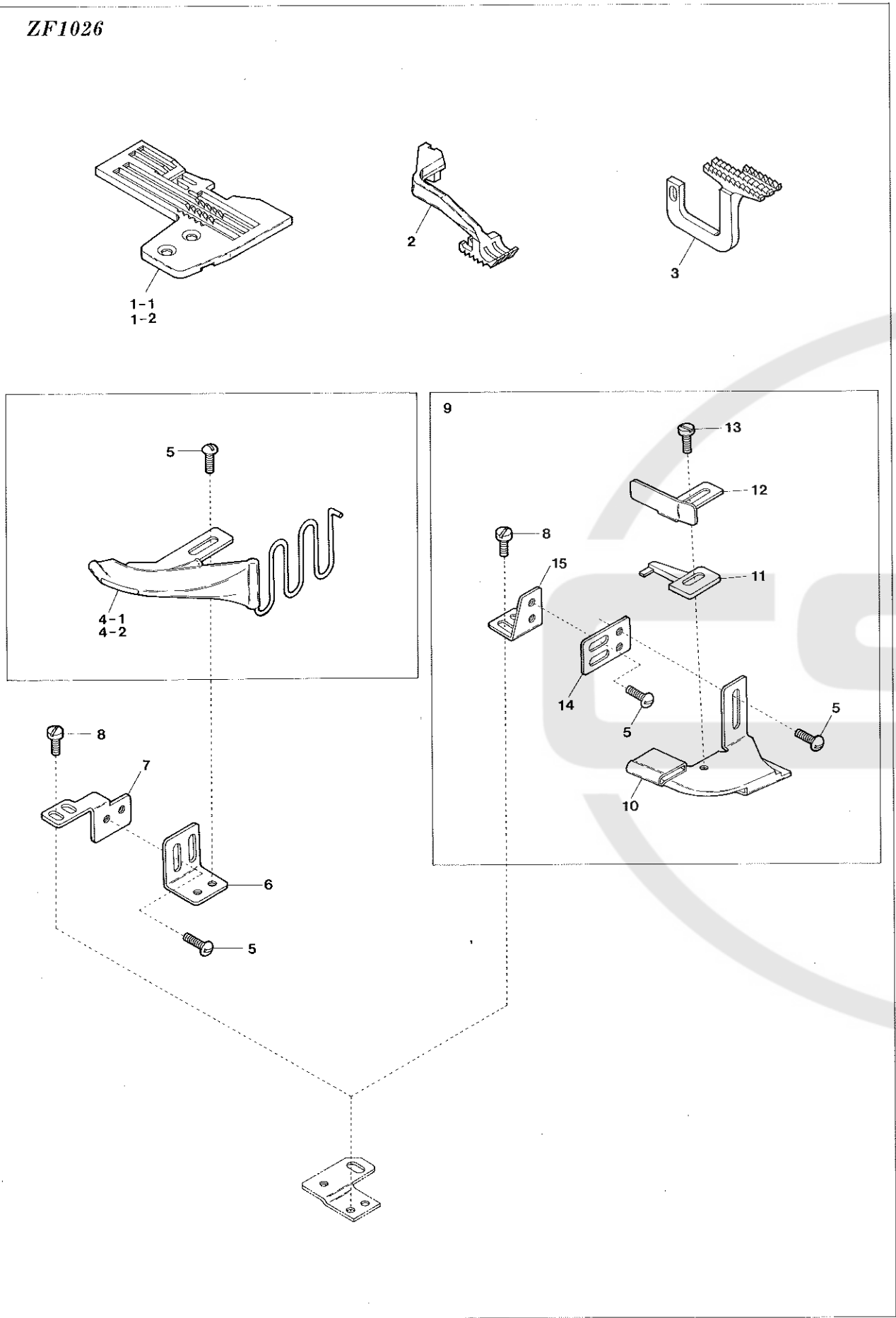
"TG" DEVICE(1)



"TG" DEVICE

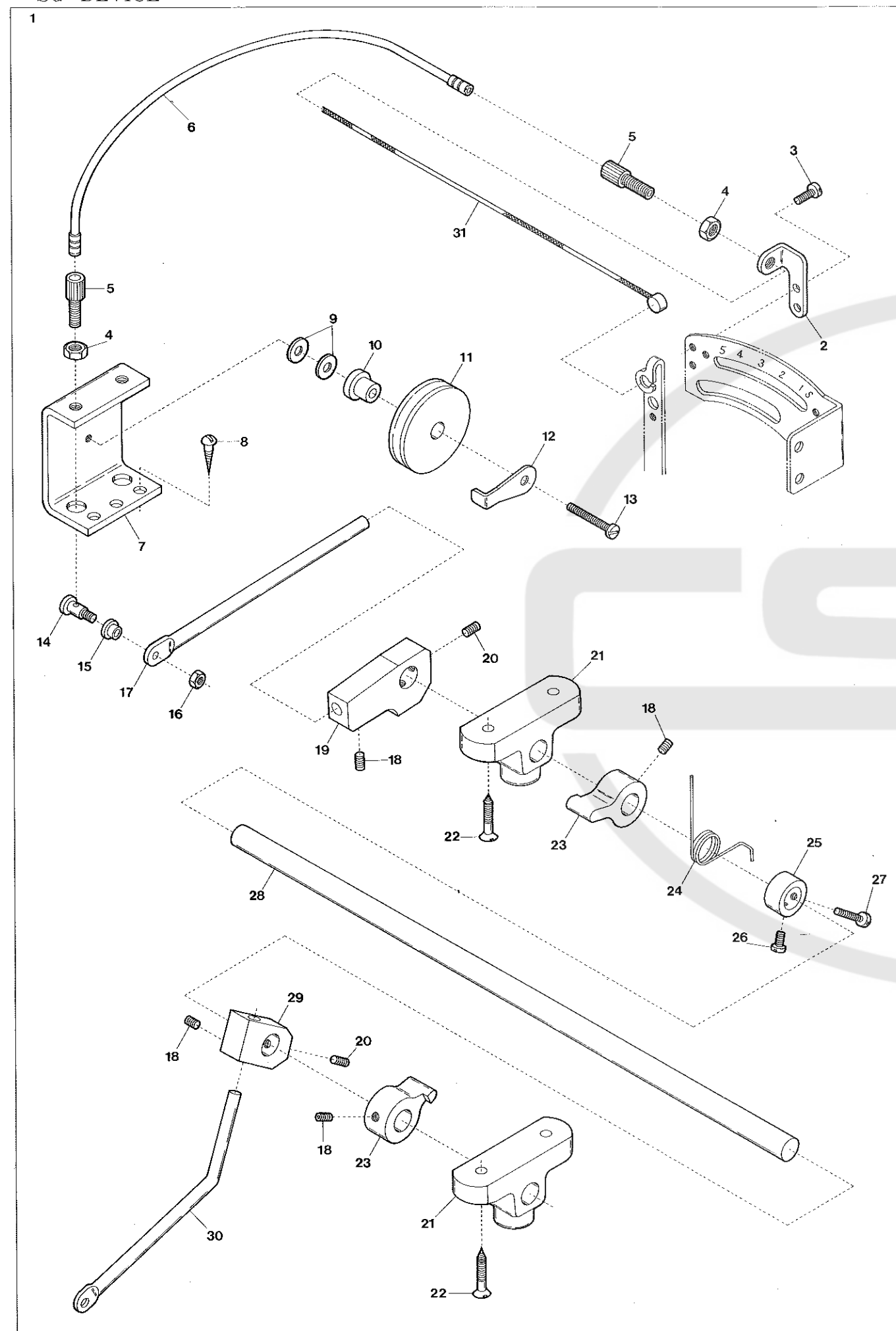
| Ref. No. | Parts No. | Description                        | 品名            | Amt. Req. |
|----------|-----------|------------------------------------|---------------|-----------|
| 1-1      | 27039     | "TG" Device, Complete Set          | "TG"装置(組)     | 1         |
| 1-2      | 27108     | " " (ZF1026 Only)                  | " (ZF1026のみ)  | 1         |
| 2        | 27059     | Connecting Plate Support           | 連結棒取付板        | 1         |
| 3        | 9853      | Screw for 27059                    | 連結棒取付板止ネジ     | 2         |
| 4        | 27058     | Connecting Plate                   | 連結棒           | 1         |
| 5        | 6038      | Screw for 27058                    | 連結棒止ネジ        | 2         |
| 6        | 27057     | Wire Pulling Lever                 | ワイヤ引キレバー      | 1         |
| 7        | 6004      | Screw for 27057                    | ワイヤ引キレバー止ネジ   | 1         |
| 8        | 547       | Washer for 27057                   | ワッシャ          | 1         |
| 9        | 27060     | Wire Stopper Collar                | ワイヤストップカラー    | 1         |
| 10       | 3637      | Screw for 27060                    | ワイヤストップカラー止ネジ | 1         |
| 11       | 22947     | Flexible Wire Clamp Bushing        | ワイヤ止メブッシュ     | 2         |
| 12       | 1459      | Screw for 22947                    | ワイヤ止メブッシュ止ネジ  | 1         |
| 13       | 65379     | Flexible Wire Stay                 | ワイヤ支エ         | 1         |
| 14       | 4440      | Screw for 65379, 27056             | 止ネジ           | 2         |
| 15       | 3638      | Screw for 22947, 22981, 27091      | 止ネジ           | 4         |
| 16       | 22963     | Flexible Wire Stay (Front)         | ワイヤ支エ(前)      | 1         |
| 17       | 22981     | Flexible Wire Stay (Front) Shaft   | ワイヤ支エ(前)取付軸   | 1         |
| 18       | 27056     | Flexible Wire Stay (Front) Support | ワイヤ支エ取付板      | 1         |
| 19       | 4353      | Screw for 27056, 26215             | 止ネジ           | 2         |
| 20       | 27065     | Flexible Wire Pipe                 | ワイヤ保護パイプ      | 1         |
| 21       | 27055     | Flexible Wire                      | ワイヤ           | 1         |
| 22-1     | 27040     | Separator Basement, Complete Set   | セパレータ装置台(組)   | 1         |
| 22-2     | 27107     | " " (ZF1026 Only)                  | " (ZF1026のみ)  | 1         |
| 23       | 27050     | Separator Lifting Lever            | セパレータ揚げ       | 1         |
| 24       | 4542      | Screw for 27050                    | セパレータ揚げ止ネジ    | 1         |
| 25       | 27051     | Separator Lifting Spring           | セパレータ揚げバネ     | 3         |
| 26       | 5000      | Screw for 27051, 27046             | 止ネジ           | 2         |
| 27       | 27049     | Separator Lifting Support          | セパレータ揚げ取付板    | 3         |
| 28       | 9150      | Screw for 27049, 27041             | 止ネジ           | 1         |
| 29       | 355       | Nut for 4542, 4541, 4540           | ナット           | 3         |
| 30       | 27042     | Separator Holder Supporting Plate  | セパレータ台取付板     | 1         |
| 31       | 27041     | Separator Basement                 | セパレータ装置台      | 1         |
| 32       | 4541      | Screw for 27042                    | セパレータ台取付板止ネジ  | 1         |
| 33       | 621       | Spring Washer for 27042            | スプリングワッシャ     | 3         |
| 34       | 4237      | Stopper Screw for 27043            | ストップネジ        | 1         |
| 35       | 27043     | Separator Holder                   | セパレータ台        | 1         |
| 36       | 27091     | Separator Lever                    | セパレータレバー      | 1         |
| 37       | 400       | Separator Lever Pin                | セパレータレバーピン    | 1         |
| 38       | 27046     | Separator Holder Stopper           | セパレータ台ストップ    | 1         |
| 39       | 4540      | Screw for 68244                    | セパレータ押エバネ止ネジ  | 1         |
| 40       | 68244     | Separator Press Spring             | セパレータ押エバネ     | 1         |
| 41       | 562       | Washer for 27092                   | ワッシャ          | 2         |
| 42-1     | 27092     | Separator Presser                  | セパレータ押エ       | 1         |
| 42-2     | 27106     | " " (ZF1026 Only)                  | " (ZF1026のみ)  | 1         |
| 43       | 27045     | Separator Supporting Shaft         | セパレータ取付軸      | 1         |
| 44       | 26215     | Edge Guide (Lower)                 | 当て定規(下)       | 1         |
| 45-1     | 26154     | Separator                          | セパレータ         | 1         |
| 45-2     | 26267     | " (ZF1026 Only)                    | " (ZF1026のみ)  | 1         |
| 46       | 1175      | Screw for 27092                    | セパレータ押エ止ネジ    | 2         |

ZF1026



| Ref. No. | Parts No. | Description                           | 品名             | Amt. Req. |
|----------|-----------|---------------------------------------|----------------|-----------|
| 1-1      | 26222     | Stitch Plate (Y5)                     | 針板 (Y 5)       | 1         |
| 1-2      | 26224     | Stitch Plate (Y6)                     | 針板 (Y 6)       | 1         |
| 2        | 26517     | Top Feed Dog                          | 上送り            | 1         |
| 3        | 26223     | Differential Feed Dog                 | 前送り            | 1         |
| 4-1      | 26258     | Folder (for Heavy Materials) (20mm)   | 定規 (厚物用)       | 1         |
| 4-2      | 26254     | Folder (for Light Materials) (10mm)   | 定規 (薄物用)       | 1         |
| 5        | 1331      | Screw for Folder, 26257, 26217, 26221 | 止ネジ            | 8         |
| 6        | 26257     | Vertical Adjusting Plate              | 上下調節板          | 1         |
| 7        | 26256     | Folder Support                        | 定規取付台          | 1         |
| 8        | 7609      | Screw for 26256, 26220                | 止ネジ            | 4         |
| 9        | 26216     | Piping Tape Folder, Complete Set      | パイピングテープ定規 (組) | 1         |
| 10       | 26217     | Piping Tape Folder Support            | パイピングテープ取付台    | 1         |
| 11       | 26219     | Piping Tape Guide Plate               | テープガイド板        | 1         |
| 12       | 26250     | Edge Guide (Upper)                    | 当て定規 (上)       | 1         |
| 13       | 4358      | Screw for 26250                       | 当て定規 (上) 止ネジ   | 1         |
| 14       | 26221     | Rateral Adjusting Plate               | 左右調節板          | 1         |
| 15       | 26220     | Folder Support                        | 定規取付台          | 1         |

## "SG" DEVICE

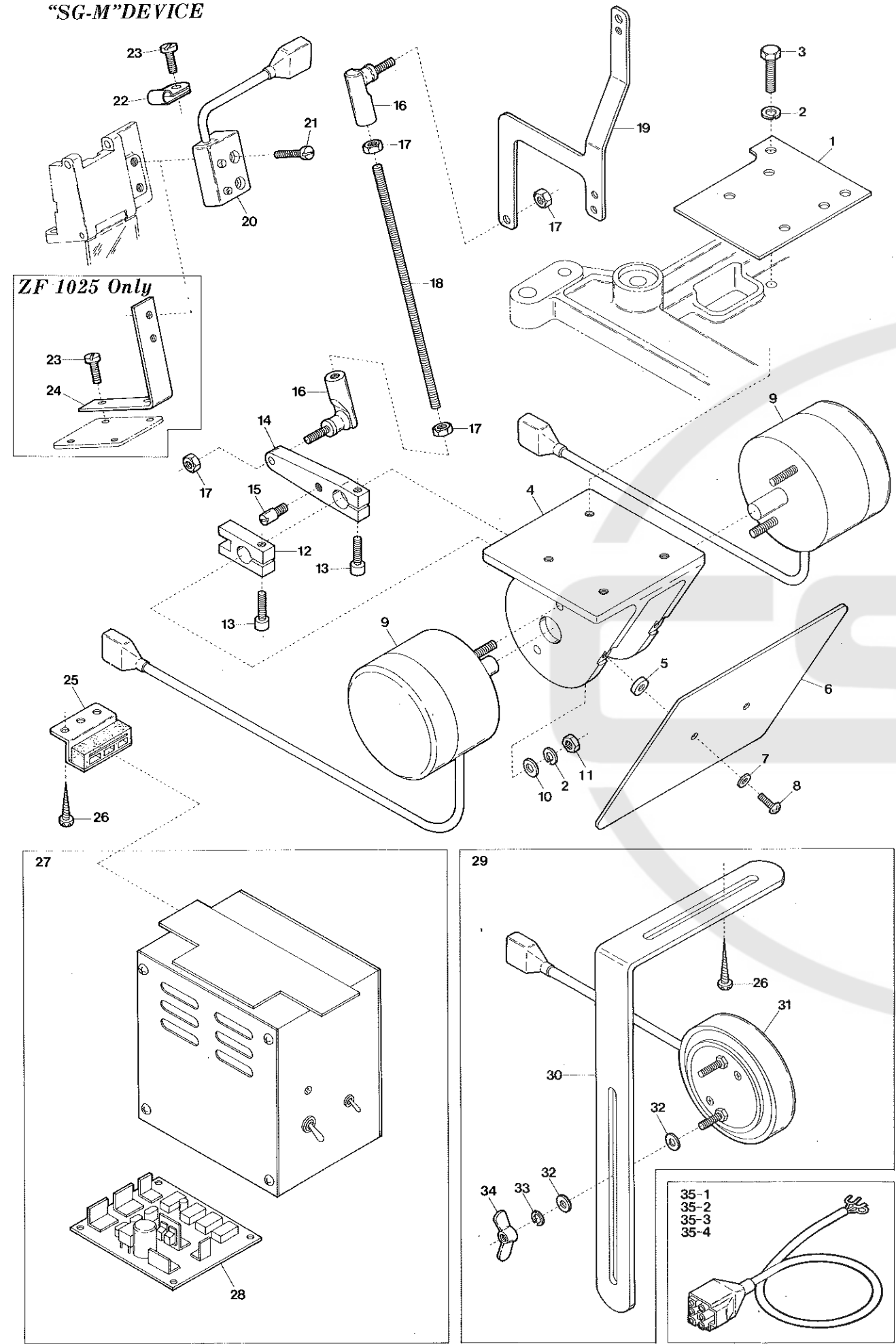


## "SG" DEVICE

| Ref. No. | Parts No. | Description                      | 品名              | Amt. Req. |
|----------|-----------|----------------------------------|-----------------|-----------|
| 1        | 27070     | "SG" Device, Complete Set        | "SG"装置(組)       | 1         |
| 2        | 27072     | Flexible Wire Guide Stay         | ワイヤガイド支エ        | 1         |
| 3        | 4353      | Screw for 27072                  | ワイヤガイド支エ止ネジ     | 2         |
| 4        | 306       | Nut for 27071                    | ナット             | 2         |
| 5        | 27071     | Flexible Wire Guide              | ワイヤガイド          | 2         |
| 6        | 27086     | Flexible Wire Pipe               | ワイヤ保護タイプ        | 1         |
| 7        | 27088     | Idler Holder                     | ローラ取付台          | 1         |
| 8        | 6910      | Screw for 27088                  | ローラ取付台止ネジ       | 2         |
| 9        | 555       | Spacer for 27076                 | スペーサ            | 2         |
| 10       | 27076     | Idler Brimmed Pin                | ローラツバ付キピン       | 1         |
| 11       | 27075     | Idler                            | ローラ             | 1         |
| 12       | 27087     | Flexible Wire Stay               | ワイヤ支エ           | 1         |
| 13       | 9303      | Screw for 27075                  | ローラ止ネジ          | 1         |
| 14       | 6075      | Screw for 27085                  | ワイヤ止ネジ          | 1         |
| 15       | 34979     | Flexible Wire Clamp Bushing      | ワイヤ止メブッシュ       | 1         |
| 16       | 334       | Nut for 6075                     | ナット             | 1         |
| 17       | 27084     | Wire Pulling Lever (Rear)        | ワイヤ引キレバー(後)     | 1         |
| 18       | 3646      | Screw for 27084, 27079, 27089    | 止ネジ             | 6         |
| 19       | 27083     | Wire Pulling Lever Block (Rear)  | ワイヤ引キレバーブロック(後) | 1         |
| 20       | 3791      | Screw for 27083, 27081           | 止ネジ             | 4         |
| 21       | 27077     | Wire Pulling Lever Shaft Bracket | ブラケット           | 2         |
| 22       | 9859      | Screw for 27077                  | ブラケット止ネジ        | 4         |
| 23       | 27079     | Wire Pulling Lever Shaft Stopper | ワイヤ引キレバー軸ストッパ   | 2         |
| 24       | 27080     | Wire Pulling Lever Shaft Spring  | ワイヤ引キレバー軸バネ     | 1         |
| 25       | 32646     | Wire Pulling Lever Shaft Collar  | ワイヤ引キレバー軸カラー    | 1         |
| 26       | 9508      | Screw for 32646                  | カラー止ネジ          | 1         |
| 27       | 5121      | Screw for 32646                  | カラー止ネジ          | 1         |
| 28       | 27078     | Wire Pulling Lever Shaft         | ワイヤ引キレバー軸       | 1         |
| 29       | 27081     | Wire Pulling Lever Block (Front) | ワイヤ引キレバーブロック(前) | 1         |
| 30       | 27089     | Wire Pulling Lever (Front)       | ワイヤ引キレバー(前)     | 1         |
| 31       | 27085     | Flexible Wire                    | ワイヤ             | 1         |

## "SG"装置

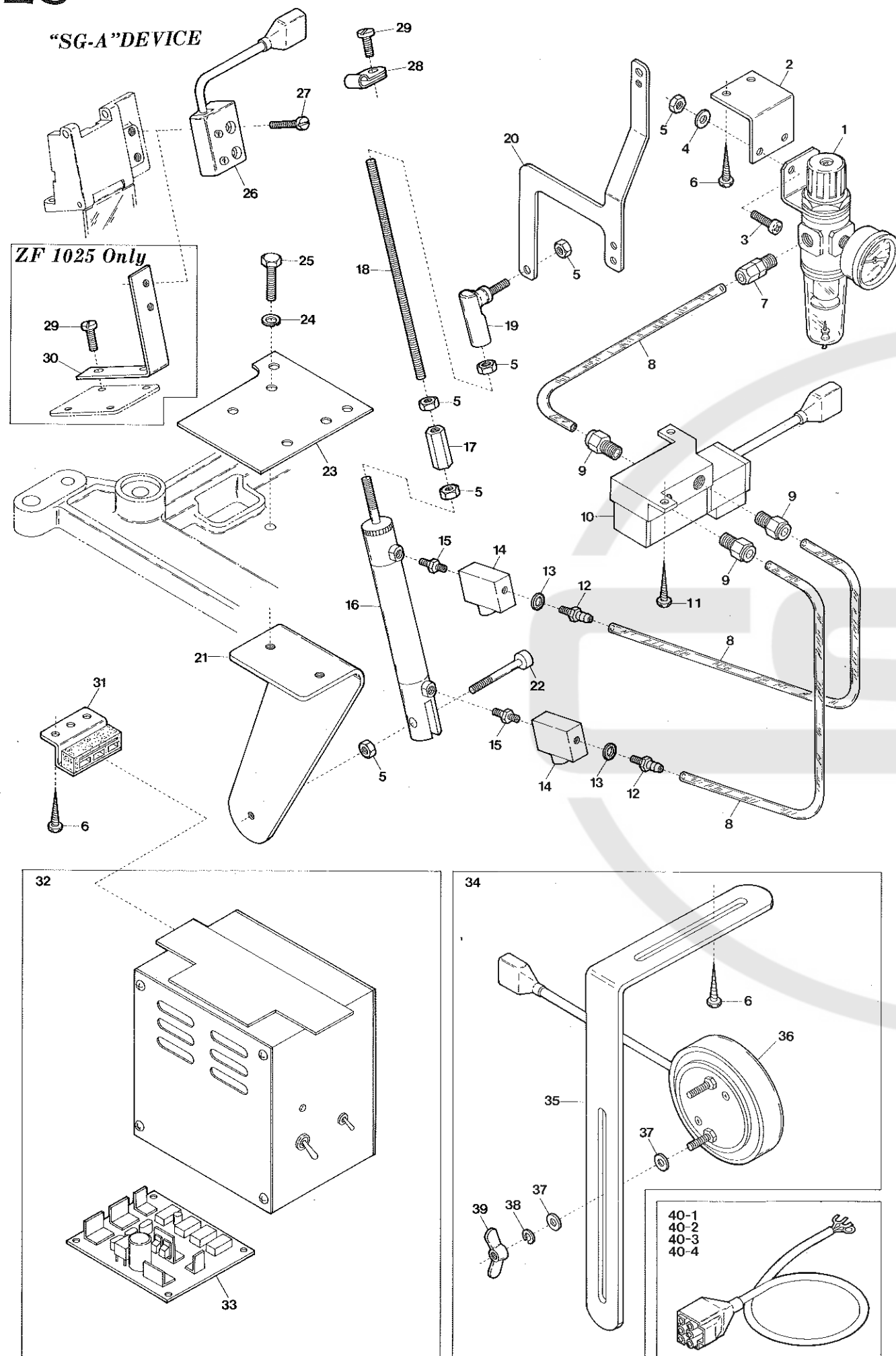
“SG-M”DEVICE



“SG-M” DEVICE

| Ref. No. | Parts No. | Description                          | 品名             | Amt. Req. |
|----------|-----------|--------------------------------------|----------------|-----------|
| 1        | 11348     | Device Supporting Plate              | 装置取付板          | 1         |
| 2        | 661       | Spring Washer for 11348, 10571       | スプリングワッシャ      | 8         |
| 3        | 9922      | Screw for 11348                      | 装置取付板止ネジ       | 4         |
| 4        | 11343     | Solenoid Holder                      | ソレノイド取付板       | 1         |
| 5        | 494       | Spacer for 11349                     | スペーサ           | 2         |
| 6        | 11349     | Solenoid Cover                       | ソレノイドカバー       | 1         |
| 7        | 531       | Washer for 11349                     | ワッシャ           | 2         |
| 8        | 9993      | Screw for 11349                      | ソレノイドカバー止ネジ    | 2         |
| 9        | 10571     | Solenoid                             | ソレノイド          | 2         |
| 10       | 427       | Washer for 10571                     | ワッシャ           | 4         |
| 11       | 11        | Nut for 10571                        | ナット            | 4         |
| 12       | 11346     | Sub Driving Lever                    | 駆動レバー (従)      | 1         |
| 13       | 5550      | Screw for 11346, 11345               | 止ネジ            | 2         |
| 14       | 11345     | Main Driving Lever                   | 駆動レバー (主)      | 1         |
| 15       | 6230      | Screw Pin for 11345                  | ネジ付ピン          | 1         |
| 16       | 11697     | Universal Connecting Rod             | ロッドエンド         | 2         |
| 17       | 9         | Nut for 11697, 11347                 | ナット            | 4         |
| 18       | 11347     | Solenoid Connecting Shaft            | ソレノイド連結軸       | 1         |
| 19       | 11344     | Top Feed Differential Lever          | 上送り差動レバー       | 1         |
| 20       | 11342     | Differential Feeding Indicative Lamp | 差動表示ランプ        | 1         |
| 21       | 1923      | Screw for 11342                      | 差動表示ランプ止ネジ     | 2         |
| 22       | 63612     | Cord Clamp (φ6.8)                    | コードクランプ        | 1         |
| 23       | 9150      | Screw for 63612, 11358               | 止ネジ            | 3         |
| 24       | 11358     | Indicative Lamp Support              | 差動表示ランプ取付板     | 1         |
| 25       | 11709     | Control Box Stay                     | 制御ボックスステー      | 2         |
| 26       | 6910      | Screw for 11709, 92232               | 止ネジ            | 6         |
| 27       | 11341     | Control Box, Complete Set            | 制御装置 (組)       | 1         |
| 28       | 11340     | Control Board                        | SG 制御基板        | 1         |
| 29       | 10565     | Knee Switch, Complete Set            | 膝スイッチ (組)      | 1         |
| 30       | 92232     | Knee Switch Holder                   | 膝スイッチ取付板       | 1         |
| 31       | 10564     | Knee Switch                          | 膝スイッチ          | 1         |
| 32       | 538       | Washer for 11564                     | ワッシャ           | 4         |
| 33       | 644       | Spring Washer for 11564              | スプリングワッシャ      | 2         |
| 34       | 23        | Nut for 11564                        | ナット            | 2         |
| 35-1     | 11943     | Power Cord (for 100 Voltage)         | 電源コード (100V 用) | 1         |
| 35-2     | 11944     | “ ( “ 200 “ )                        | “ (200 “ )     | 1         |
| 35-3     | 11945     | “ ( “ 220 “ )                        | “ (220 “ )     | 1         |
| 35-4     | 11946     | “ ( “ 380 “ )                        | “ (380 “ )     | 1         |

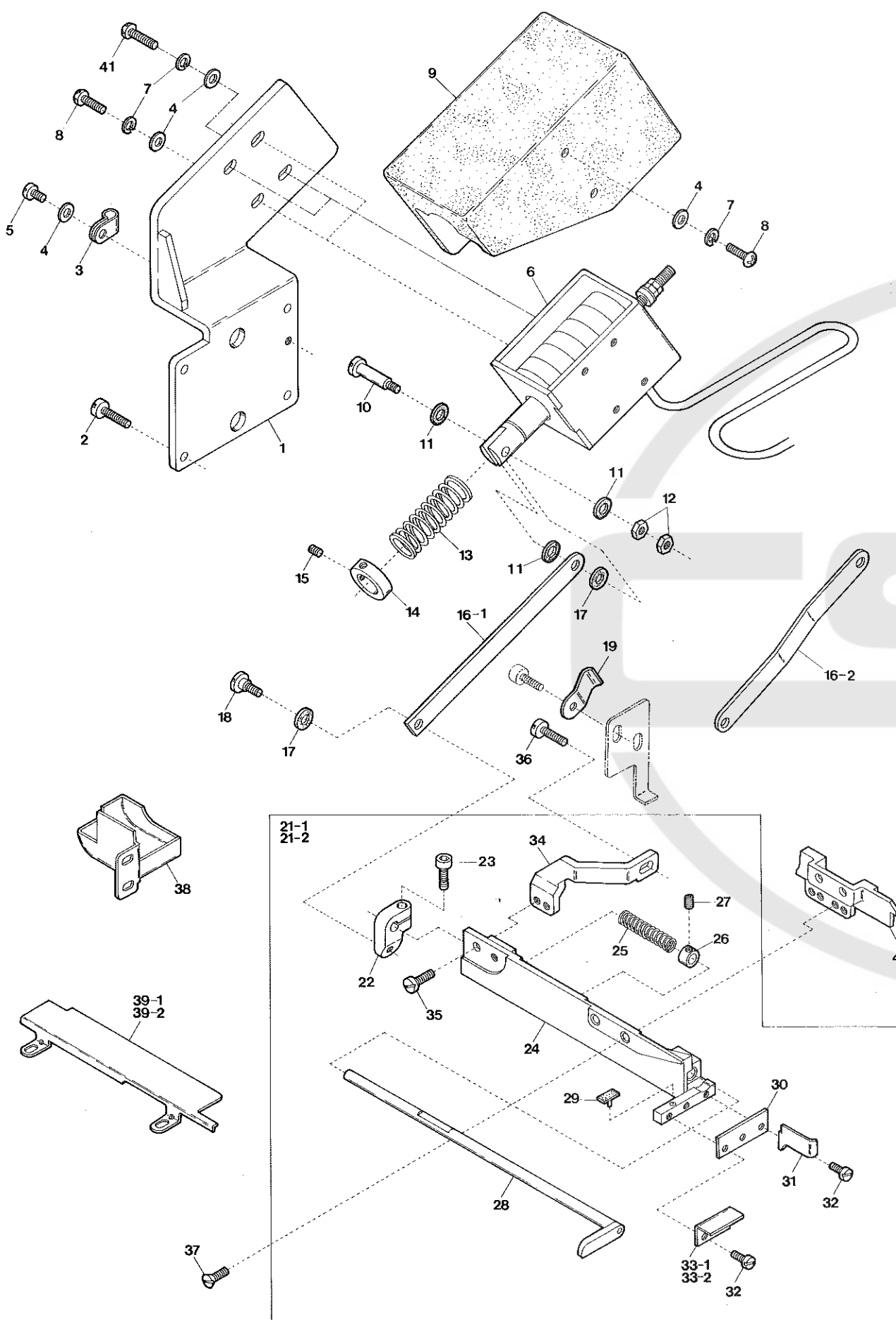
## "SG-A" DEVICE



## "SG-A" DEVICE

| Ref. No. | Parts No. | Description                          | 品名            | Amt. Req. |
|----------|-----------|--------------------------------------|---------------|-----------|
| 1        | 10073     | Regulator                            | レギュレータ        | 1         |
| 2        | 13093     | Regulator Support                    | レギュレータ取付板     | 1         |
| 3        | 9973      | Screw for 10073                      | レギュレータ止ネジ     | 2         |
| 4        | 669       | Washer for 10073                     | ワッシャ          | 2         |
| 5        | 9         | Nut for 10073, 10008, 11355, 11344   | ナット           | 7         |
| 6        | 6910      | Screw for 13093, 11709, 92232        | 止ネジ           | 8         |
| 7        | 10078     | Joint                                | コネクタ          | 1         |
| 8        | 11357     | Vinyl Tube (2.5×4×500mm)             | ビニールパイプ       | 3         |
| 9        | 10055     | Straight Joint                       | ストレート継手       | 3         |
| 10       | 10120     | Electromagnetic Valve                | 電磁弁           | 1         |
| 11       | 9937      | Screw for 10120                      | 電磁弁止ネジ        | 2         |
| 12       | 10018     | Bamboo Joint                         | バンブー継手        | 2         |
| 13       | 187       | Seal for 10018                       | パッキン          | 2         |
| 14       | 10054     | Speed Controller                     | スピードコントローラ    | 2         |
| 15       | 10032     | Nipple Joint for 10008               | ニップル継手        | 2         |
| 16       | 10008     | Air Cylinder                         | エアシリンダ        | 1         |
| 17       | 11356     | Air Cylinder Joint                   | エアシリンダ継手      | 1         |
| 18       | 11355     | Air Cylinder Connecting Shaft        | エアシリンダ連結軸     | 1         |
| 19       | 11697     | Universal Connecting Rod             | ロッドエンド        | 1         |
| 20       | 11344     | Top Feed Differential Lever          | 上送り差動レバー      | 1         |
| 21       | 11354     | Air Cylinder Support                 | エアシリンダ取付板     | 1         |
| 22       | 9890      | Screw for 10008                      | エアシリンダ止ネジ     | 1         |
| 23       | 11348     | Device Supporting Plate              | 装置取付板         | 1         |
| 24       | 661       | Spring Washer for 11354              | スプリングワッシャ     | 2         |
| 25       | 9922      | Screw for 11354                      | エアシリンダ取付板止ネジ  | 2         |
| 26       | 11342     | Differential Feeding Indicative Lamp | 差動表示ランプ       | 1         |
| 27       | 1923      | Screw for 11342                      | 差動表示ランプ止ネジ    | 2         |
| 28       | 63612     | Cord Clamp (φ 6.8)                   | コードクランプ       | 1         |
| 29       | 9150      | Screw for 63612, 11358               | 止ネジ           | 3         |
| 30       | 11358     | Indicative Lamp Support              | 差動表示ランプ取付板    | 1         |
| 31       | 11709     | Control Box Stay                     | 制御ボックスステイ     | 2         |
| 32       | 11341     | Control Box, Complete Set            | 制御装置(組)       | 1         |
| 33       | 11340     | Control Board                        | SG制御基板        | 1         |
| 34       | 10565     | Knee Switch, Complete Set            | 膝スイッチ(組)      | 1         |
| 35       | 92232     | Knee Switch Holder                   | 膝スイッチ取付板      | 1         |
| 36       | 10564     | Knee Switch                          | 膝スイッチ         | 1         |
| 37       | 538       | Washer for 10564                     | ワッシャ          | 4         |
| 38       | 644       | Spring Washer for 10564              | スプリングワッシャ     | 2         |
| 39       | 23        | Nut for 10564                        | ナット           | 2         |
| 40-1     | 11943     | Power Cord (for 100 Voltage)         | 電源コード (100V用) | 1         |
| 40-2     | 11944     | " ( " 200 " )                        | " (200V )     | 1         |
| 40-3     | 11945     | " ( " 220 " )                        | " (220V )     | 1         |
| 40-4     | 11946     | " ( " 380 " )                        | " (380V )     | 1         |

## "MT36" DEVICE(1)



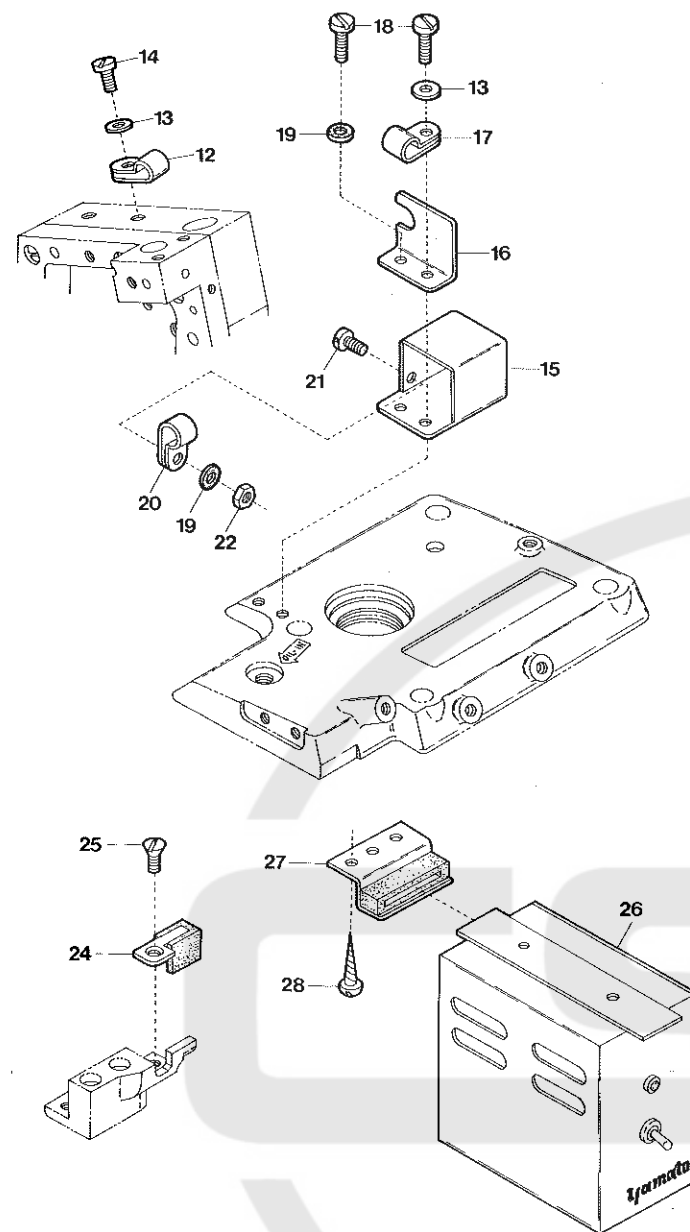
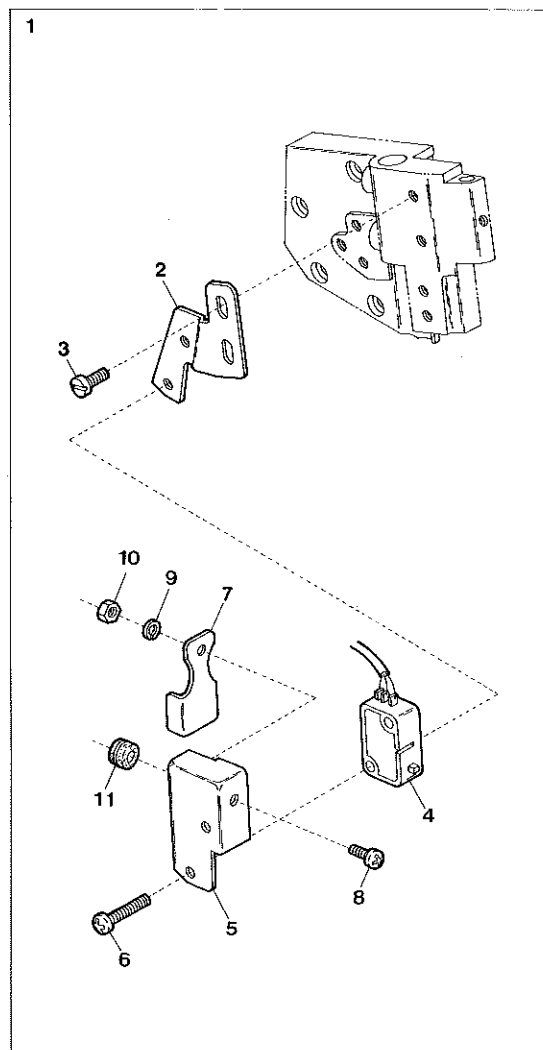
## "MT36" DEVICE(1)

| Ref. No. | Parts No. | Description                               | 品名              | Amt. Req. |
|----------|-----------|-------------------------------------------|-----------------|-----------|
| 1        | 26306     | Solenoid Support                          | ソレノイド取付板        | 1         |
| 2        | 1156      | Screw for 26306                           | ソレノイド取付板止ネジ     | 4         |
| 3        | 36133     | Cord Clamp (φ 8.4)                        | コードクランプ         | 1         |
| 4        | 538       | Washer for 36133, 11245, 26302            | ワッシャ            | 7         |
| 5        | 4358      | Screw for 36133                           | コードクランプ止ネジ      | 1         |
| 6        | 11245     | Solenoid                                  | ソレノイド           | 1         |
| 7        | 644       | Spring Washer for 11245, 26302            | スプリングワッシャ       | 6         |
| 8        | 9992      | Screw for 11245, 26302                    | 止ネジ             | 4         |
| 9        | 26302     | Solenoid Cover                            | ソレノイドカバー        | 1         |
| 10       | 5127      | Solenoid Connecting Rod Pin               | 連結棒ピン           | 1         |
| 11       | 187       | Fiber Cushion                             | 防振ファイバー         | 3         |
| 12       | 334       | Nut for 5127                              | ナット             | 2         |
| 13       | 23447     | Solenoid Spring                           | ソレノイドバネ         | 1         |
| 14       | 26312     | Solenoid Spring Collar                    | ソレノイドバネ止メカラー    | 1         |
| 15       | 3312      | Screw for 26312                           | ソレノイドバネ止メカラー止ネジ | 2         |
| ☆ 16-1   | 26321     | Upper Knife Connecting Plate              | 上メス連結板          | 1         |
| ★ 16-2   | 26322     | " " (Extra)                               | " (特注品)         | 1         |
| 17       | 568       | Washer for 26321                          | ワッシャ            | 2         |
| 18       | 6068      | Screw for 26321                           | 上メス連結板止ネジ       | 1         |
| 19       | 26304     | Upper Knife Connecting Plate Press Spring | 上メス連結板押シバネ      | 1         |
| 20       |           |                                           |                 |           |
| ☆ 21-1   | 26311     | Trimming Device, Complete Set (Long)      | メス装置(組)(長)      | 1         |
| ★ 21-2   | 26310     | " " " (Short)(Extra)                      | " (短)(特注品)      | 1         |
| 22       | 26320     | Upper Knife Driving Lever                 | 上メス腕            | 1         |
| 23       | 5098      | Screw for 26320                           | 上メス腕止ネジ         | 1         |
| 24       | 26194     | Upper Knife Holder                        | 上メス台            | 1         |
| 25       | 23369     | Upper Knife Spring                        | 上メスバネ           | 1         |
| 26       | 23368     | Upper Knife Spring Collar                 | 上メスカラー          | 1         |
| 27       | 3637      | Screw for 23368                           | 上メスカラー止ネジ       | 1         |
| 28       | 26309     | Upper Knife                               | 上メス             | 1         |
| 29       | 23220     | Upper Knife Rubber Cushion                | 上メスクッション        | 1         |
| 30       | 23370     | Lower Knife                               | 下メス             | 1         |
| 31       | 26184     | Fabric Guide                              | 布ガイド            | 1         |
| 32       | 4404      | Screw for 26184, 26191                    | 止ネジ             | 3         |
| ☆ 33-1   | 26191     | Lower Knife Fabric Guide (Long)           | 下メス台布案内(長)      | 1         |
| ★ 33-2   | 26189     | " " " (Short)(Extra)                      | " (短)(特注品)      | 1         |
| 34       | 26185     | Upper Knife Holder Stay                   | 上メス台支           | 1         |
| 35       | 4169      | Screw for 26185                           | 上メス台支止ネジ        | 1         |
| 36       | 9150      | Screw for 26185                           | 上メス台支止ネジ        | 1         |
| 37       | 7623      | Screw for 26194                           | 上メス台止ネジ         | 1         |
| 38       | 26300     | Rear Cover (Lower)                        | 後カバー(下)         | 1         |
| ☆ 39-1   | 26190     | Supplementary Cloth Plate (Long)          | 補助クロスプレート(長)    | 1         |
| ★ 39-2   | 26188     | " " (Short)(Extra)                        | " (短)(特注品)      | 1         |
| 40       | 26193     | Machine Frame Bracket                     | フレームブラケット       | 1         |
| 41       | 9888      | Screw for 11245                           | ソレノイド止ネジ        | 2         |

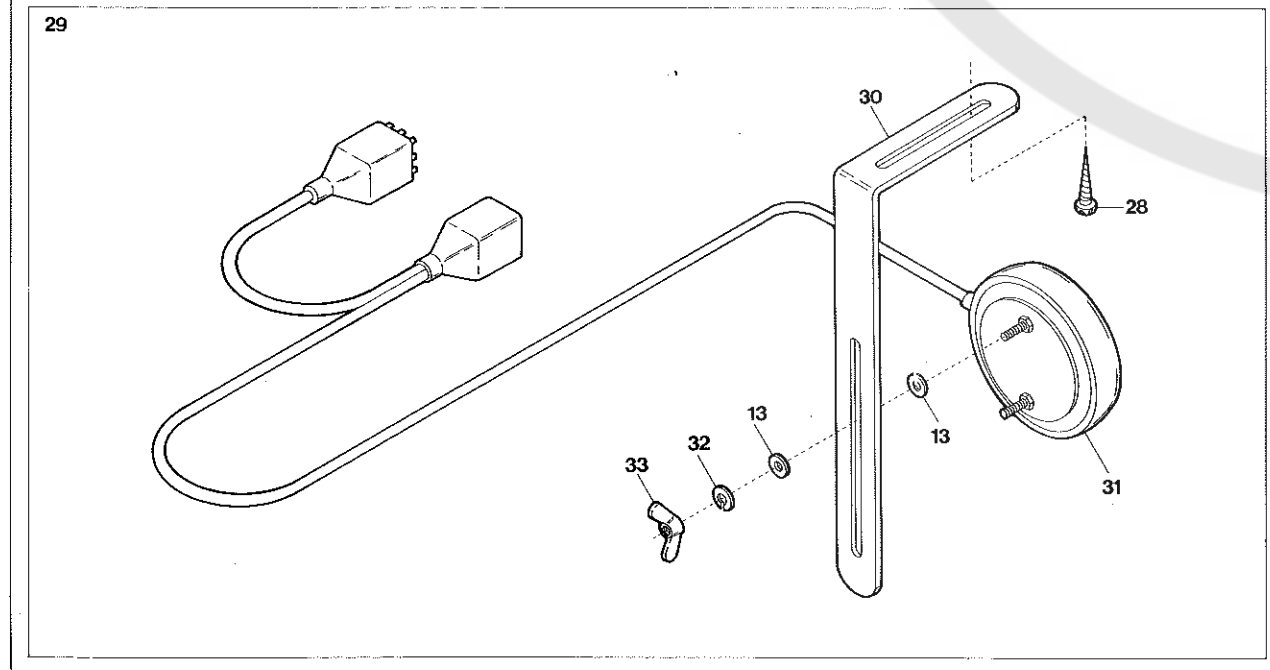
(注) 上記☆印及び★印は夫々同じ印のものを使用して下さい。  
但し、★印の部品を使う時は、Ref. No.24の部品をRef. No.34及び40の前の穴へ取付けて下さい。  
★印の部品は針落ちからメス位置までが☆印のものより5ミリ短くなっています。

Note: Parts marked ☆ and ★ must be used in the like marks respectively.  
When Parts marked ★ are used, fit Part (Ref. No.24) to each hole of those (Ref. No.34 and 40).  
On Parts marked ★, distance from needle drop point to Upper and Lower Knives is shorter 5mm. than those marked ☆.

## "MT36" DEVICE(2)



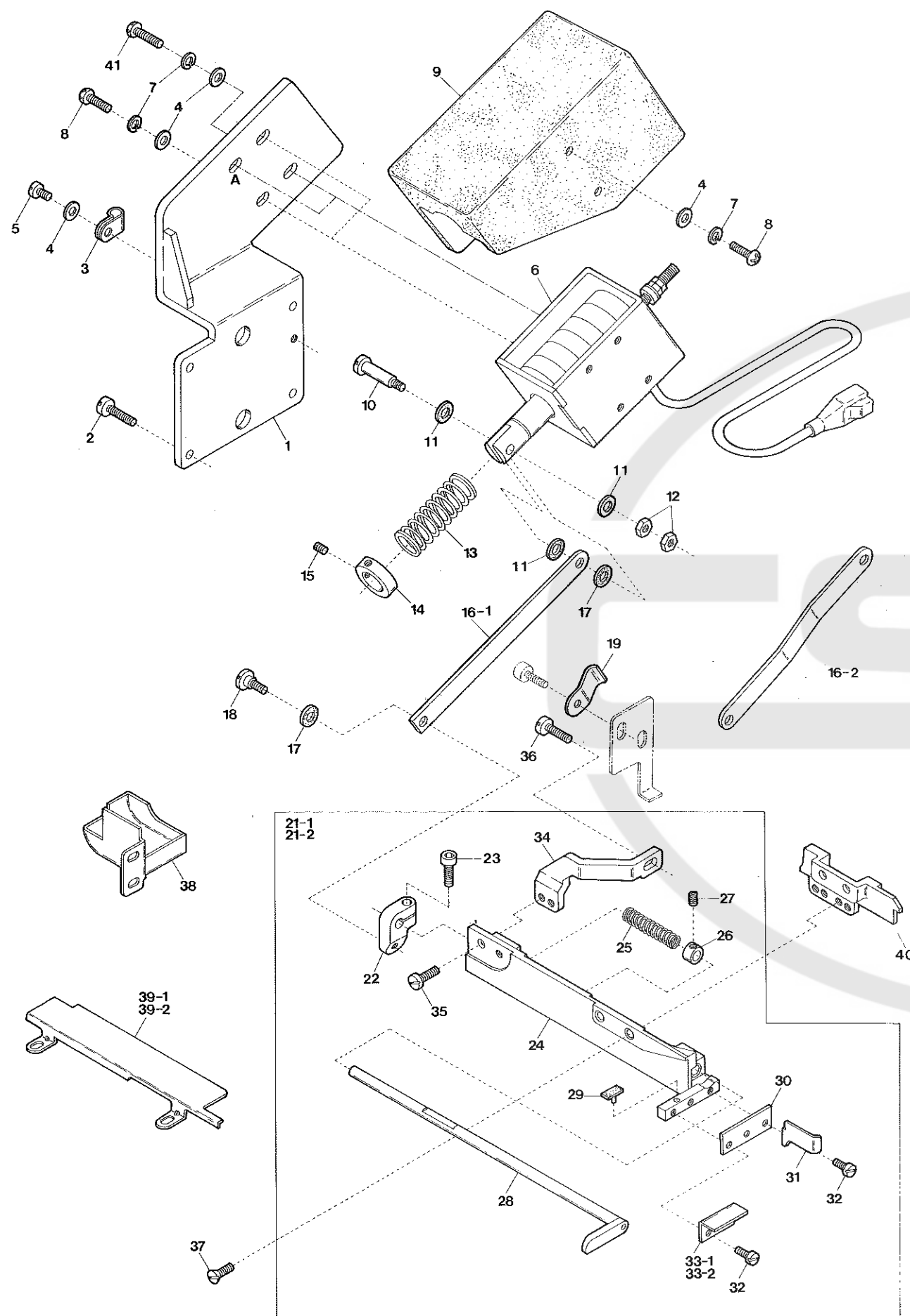
## EXTRA PARTS



## "MT36" DEVICE(2)

| Ref.<br>No. | Parts<br>No. | Description                         | 品名           | Amt.<br>Req. |
|-------------|--------------|-------------------------------------|--------------|--------------|
| 1           | 11968        | Manual Switch, Complete Set         | スイッチ(組)      | 1            |
| 2           | 24325        | Switch Support                      | スイッチ取付板      | 1            |
| 3           | 1202         | Screw for 24325                     | スイッチ取付板止ネジ   | 2            |
| 4           | 11967        | Switch                              | スイッチ         | 1            |
| 5           | 20989        | Switch Cover                        | スイッチカバー      | 1            |
| 6           | 9993         | Screw for 20989                     | スイッチカバー止ネジ   | 2            |
| 7           | 35719        | Manual Switch Plate                 | スイッチ板        | 1            |
| 8           | 9995         | Screw for 35719                     | スイッチ板止ネジ     | 1            |
| 9           | 2            | Spring Washer for 35719             | スプリングワッシャー   | 1            |
| 10          | 488          | Nut for 35719                       | ナット          | 1            |
| 11          | 35722        | Cord Bushing                        | コードブッシュ      | 1            |
| 12          | 60248        | Cord Clamp(φ 5.3)                   | コードクランプ      | 1            |
| 13          | 538          | Washer for 60248, 36133, 11335      | ワッシャー        | 6            |
| 14          | 4440         | Screw for 60248                     | コードクランプ止ネジ   | 1            |
| 15          | 11840        | Connector Case                      | コネクタケース      | 1            |
| 16          | 11841        | Connector Case Lid                  | コネクタケース蓋     | 1            |
| 17          | 36133        | Cord Clamp                          | コードクランプ      | 1            |
| 18          | 4445         | Screw for 36133, 11841              | 止ネジ          | 2            |
| 19          | 550          | Seal for 11841, 23381               | パッキン         | 2            |
| 20          | 23381        | Cord Clamp(φ 10.6)                  | コードクランプ      | 1            |
| 21          | 4352         | Screw for 23381                     | コードクランプ止ネジ   | 1            |
| 22          | 335          | Nut for 23381                       | ナット          | 1            |
| 23          |              |                                     |              |              |
| 24          | 24324        | Feed Mechanism Front Shield (Upper) | 送り前カバー(上)    | 1            |
| 25          | 9143         | Screw for 24324                     | 送り前カバー(上)止ネジ | 1            |
| 26          | 11959        | Control Box, Complete Set           | MT制御装置(組)    | 1            |
| 27          | 11709        | Control Box Stay                    | 制御ボックススティ    | 2            |
| 28          | 6910         | Screw for 11709, 92232              | 制御ボックススティ止ネジ | 4            |
| 29          | 11336        | Knee Switch, Complete Set           | 膝スイッチ(組)     | 1            |
| 30          | 92232        | Knee Switch Holder                  | 膝スイッチ取付板     | 1            |
| 31          | 11335        | Knee Switch                         | 膝スイッチ        | 1            |
| 32          | 644          | Spring Washer for 11335             | スプリングワッシャー   | 2            |
| 33          | 23           | Nut for 11335                       | ナット          | 2            |

## "MU35" "MU36" DEVICE(1)



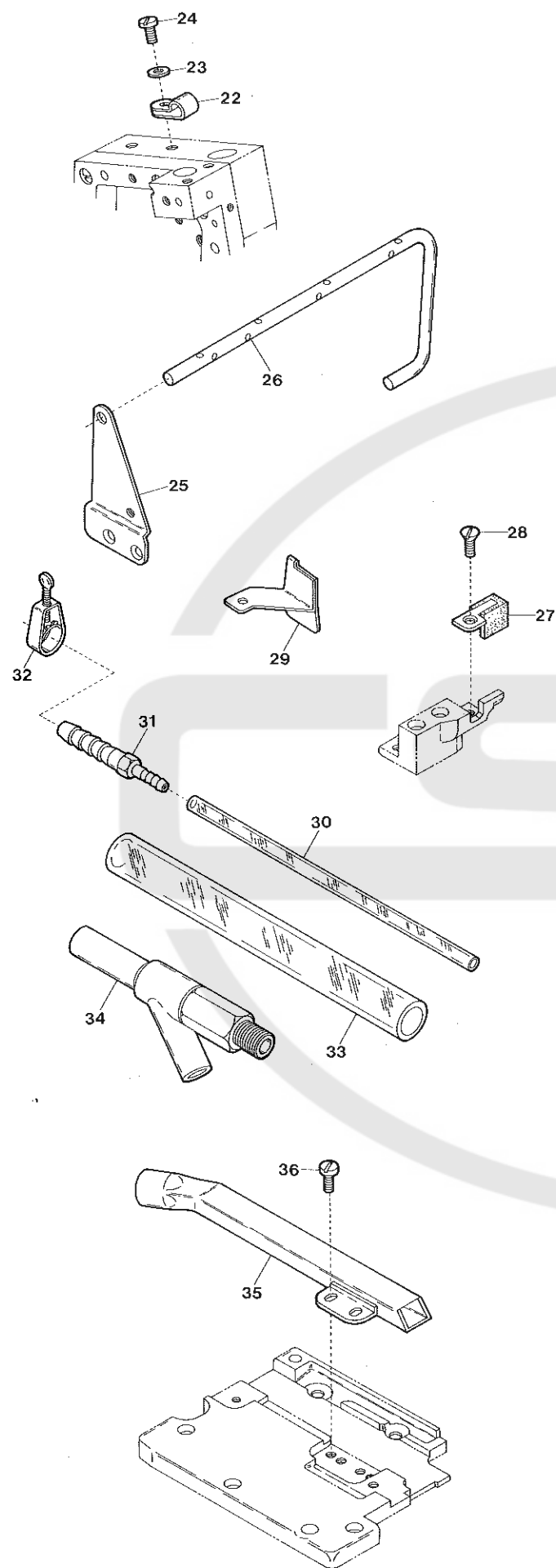
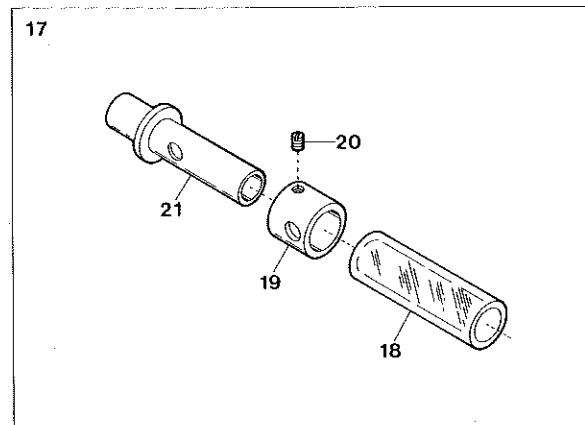
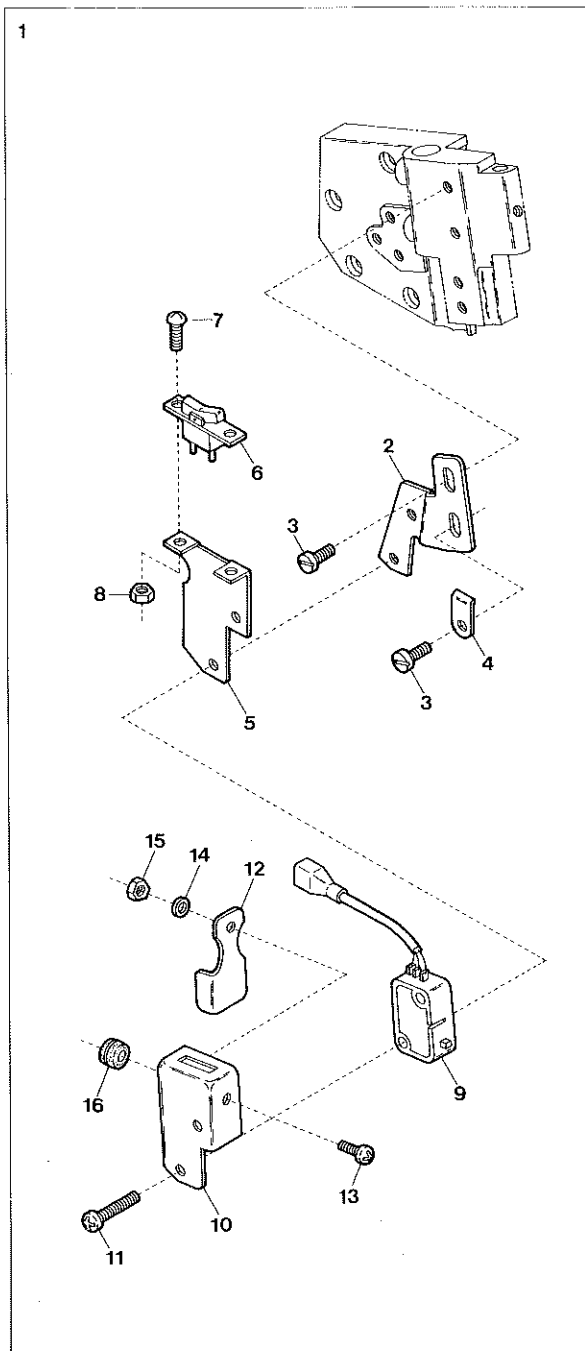
## "MU35", "MU36" DEVICE(1)

## "MU35", "MU36" 装置(1) 28

| Ref. No. | Parts No. | Description                               | 品名              | Amt. Req. |
|----------|-----------|-------------------------------------------|-----------------|-----------|
| 1        | 26306     | Solenoid Support                          | ソレノイド取付板        | 1         |
| 2        | 1156      | Screw for 26306                           | ソレノイド取付板止ネジ     | 4         |
| 3        | 36133     | Cord Clamp (φ8.4)                         | コードクランプ         | 1         |
| 4        | 538       | Washer for 36133, 11246, 26302            | ワッシャ            | 7         |
| 5        | 4358      | Screw for 36133                           | コードクランプ止ネジ      | 1         |
| 6        | 11246     | Solenoid                                  | ソレノイド           | 1         |
| 7        | 644       | Spring Washer for 11246, 26302            | スプリングワッシャ       | 6         |
| 8        | 9992      | Screw for 11246, 26302                    | 止ネジ             | 4         |
| 9        | 26302     | Solenoid Cover                            | ソレノイドカバー        | 1         |
| 10       | 5127      | Solenoid Connecting Rod Pin               | 連結棒ピン           | 1         |
| 11       | 187       | Fiber Cushion                             | 防振ファイバー         | 3         |
| 12       | 334       | Nut for 5127                              | ナット             | 2         |
| 13       | 23447     | Solenoid Spring                           | ソレノイドバネ         | 1         |
| 14       | 26312     | Solenoid Spring Collar                    | ソレノイドバネ止メカラー    | 1         |
| 15       | 3312      | Screw for 26312                           | ソレノイドバネ止メカラー止ネジ | 2         |
| ☆16-1    | 26321     | Upper Knife Connecting Plate              | 上メス連結板          | 1         |
| ★16-2    | 26322     | " " (Extra)                               | " (特注品)         | 1         |
| 17       | 568       | Washer for 26321                          | ワッシャ            | 2         |
| 18       | 6068      | Screw for 26321                           | 上メス連結板止ネジ       | 1         |
| 19       | 26304     | Upper Knife Connecting Plate Press Spring | 上メス連結板押シバネ      | 1         |
| 20       |           |                                           |                 |           |
| ☆21-1    | 26311     | Trimming Device, Complete Set (Long)      | メス装置(組)(長)      | 1         |
| ★21-2    | 26310     | " " " (Short) (Extra)                     | " (短)(特注品)      | 1         |
| 22       | 26320     | Upper Knife Driving Lever                 | 上メス腕            | 1         |
| 23       | 5098      | Screw for 26320                           | 上メス腕止ネジ         | 1         |
| 24       | 26194     | Upper Knife Holder                        | 上メス台            | 1         |
| 25       | 23369     | Upper Knife Spring                        | 上メスバネ           | 1         |
| 26       | 23368     | Upper Knife Spring Collar                 | 上メスカラー          | 1         |
| 27       | 3637      | Screw for 23368                           | 上メスカラー止ネジ       | 1         |
| 28       | 26309     | Upper Knife                               | 上メス             | 1         |
| 29       | 23220     | Upper Knife Rubber Cushion                | 上メスクッション        | 1         |
| 30       | 23370     | Lower Knife                               | 下メス             | 1         |
| 31       | 26184     | Fabric Guide                              | 布ガイド            | 1         |
| 32       | 4404      | Screw for 26184, 26191                    | 止ネジ             | 3         |
| ☆33-1    | 26191     | Lower Knife Fabric Guide (Long)           | 下メス台布案内(長)      | 1         |
| ★33-2    | 26189     | " " " (Short) (Extra)                     | " (短)(特注品)      | 1         |
| 34       | 26185     | Upper Knife Holder Stay                   | 上メス台支エ          | 1         |
| 35       | 4169      | Screw for 26185                           | 上メス台支エ止ネジ       | 1         |
| 36       | 9150      | Screw for 26185                           | 上メス台支エ止ネジ       | 1         |
| 37       | 7623      | Screw for 26194                           | 上メス台止ネジ         | 1         |
| 38       | 26300     | Rear Cover (Lower)                        | 後カバー(下)         | 1         |
| ☆39-1    | 26190     | Supplementary Cloth Plate (Long)          | 補助クロスプレート(長)    | 1         |
| ★39-2    | 26188     | " " (Short) (Extra)                       | " (短)(特注品)      | 1         |
| 40       | 26193     | Machine Frame Bracket                     | フレームブラケット       | 1         |
| 41       | 9888      | Screw for 11246                           | ソレノイド止ネジ        | 2         |

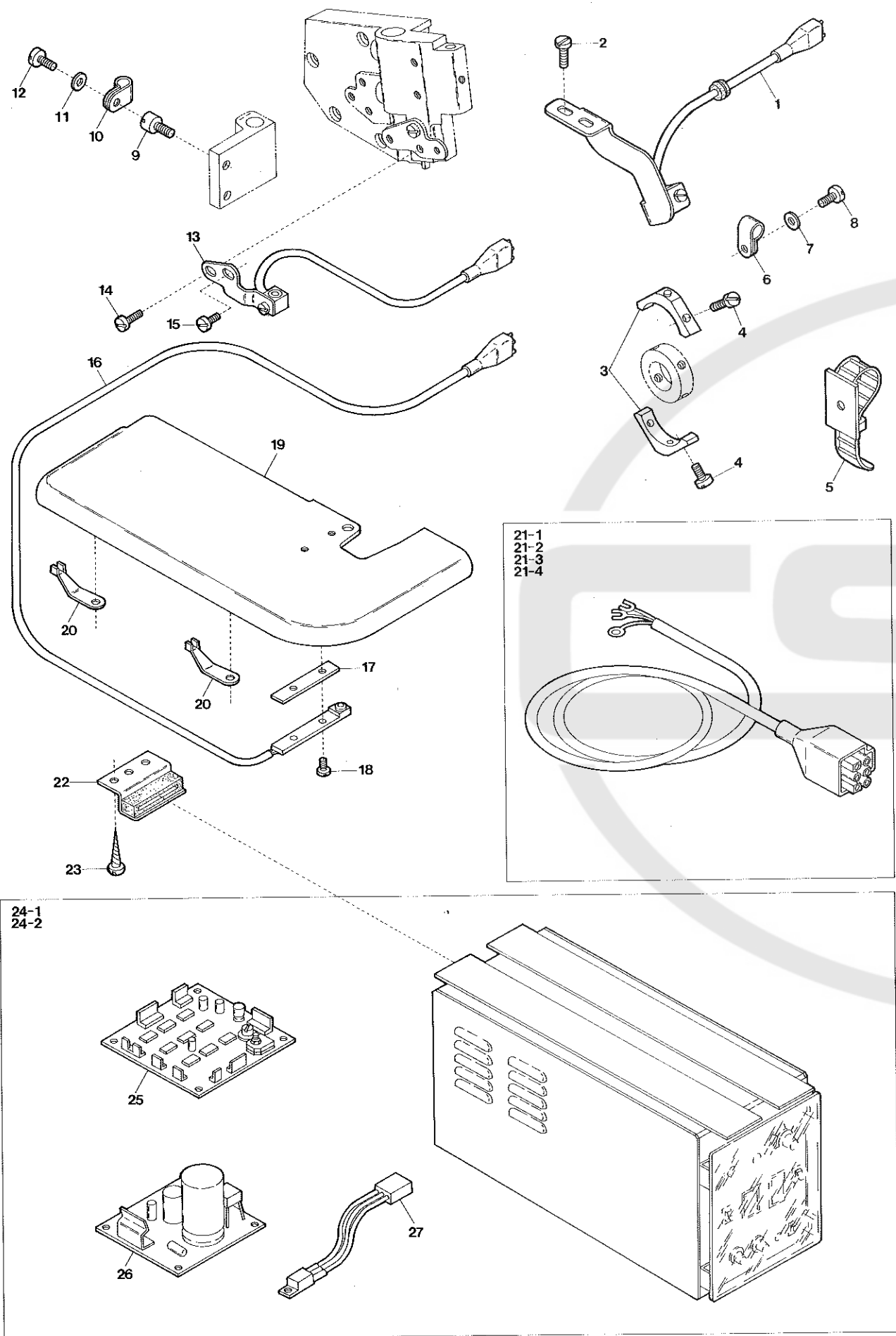
(注) 上記☆印及び★印は夫々同じ印のものを使用して下さい。  
 但し、★印の部品を使う時は、Ref. No.24の部品をRef. No.34及び40の前の穴へ取付けて下さい。  
 ★印の部品は針落ちからメス位置までが☆印のものより5ミリ短くなっています。

Note: Parts marked ☆ and ★ must be used in the like marks respectively.  
 When Parts marked ★ are used, fit Part (Ref. No.24) to each hole of those (Ref. No.34 and 40).  
 On Parts marked ★, distance from needle drop point to Upper and Lower Knives is shorter 5mm. than those marked ☆.



| Ref. No. | Parts No. | Description                              | 品名           | Amt. Req. |
|----------|-----------|------------------------------------------|--------------|-----------|
| 1        | 11984     | Manual Switch, Complete Set              | スイッチ(組)      | 1         |
| 2        | 24325     | Switch Support                           | スイッチ取付板      | 1         |
| 3        | 1202      | Screw for 24325, 24302                   | 止ネジ          | 2         |
| 4        | 24302     | Cord Stay                                | コード支エ        | 1         |
| 5        | 23397     | Supplementary Switch Support             | 補助スイッチ取付板    | 1         |
| 6        | 11928     | Supplementary Switch                     | 補助スイッチ       | 1         |
| 7        |           | Screw for 11928                          | 補助スイッチ止ネジ    | 2         |
| 8        |           | Nut for 11928                            | ナット          | 2         |
| 9        | 11967     | Switch                                   | スイッチ         | 1         |
| 10       | 23382     | Switch Cover                             | スイッチカバー      | 1         |
| 11       | 9993      | Screw for 23382                          | スイッチカバー止ネジ   | 2         |
| 12       | 35719     | Manual Switch Plate                      | スイッチ板        | 1         |
| 13       | 9995      | Screw for 35719                          | スイッチ板止ネジ     | 1         |
| 14       | 2         | Spring Washer for 35719                  | スプリングワッシャー   | 1         |
| 15       | 488       | Nut for 35719                            | ナット          | 1         |
| 16       | 35722     | Cord Bushing                             | コードブッシュ      | 1         |
| 17       | 21451     | Suction Power Control Tube, Complete Set | 吸引力調整管(組)    | 1         |
| 18       | 21450     | Nylon Hose (12×16×50mm)                  | ナイロンホース      | 1         |
| 19       | 21456     | Suction Power Control Tube               | 吸引力調整管       | 1         |
| 20       | 1892      | Screw for 21456                          | 吸引力調整管止ネジ    | 1         |
| 21       | 21457     | Suction Power Control Tube (Inner)       | 吸引力調整台       | 1         |
| 22       | 60248     | Cord Clamp (φ5.3)                        | コードクランプ      | 1         |
| 23       | 538       | Washer for 60248                         | ワッシャー        | 1         |
| 24       | 4440      | Screw for 60248                          | コードクランプ止ネジ   | 1         |
| 25       | 26205     | Thread Lead Bar Holder                   | 糸道棒振止メ       | 1         |
| 26       | 26204     | Thread Lead Bar                          | 糸道棒          | 1         |
| 27       | 24324     | Feed Mechanism Front Shield (Upper)      | 送り前カバー(上)    | 1         |
| 28       | 9143      | Screw for 24324                          | 送り前カバー(上)止ネジ | 1         |
| 29       | 22635     | Lower Looper Cover                       | 下ルーパーカバー     | 1         |
| 30       | 22404     | Nylon Hose (3.8×6×1000mm)                | ナイロンホース      | 1         |
| 31       | 33932     | Joint                                    | ジョイント        | 1         |
| 32       | 33939     | Hose Band (1/4 inch)                     | ホースバンド       | 1         |
| 33       | 22392     | Nylon Hose (12×18×1000mm)                | ナイロンホース      | 2         |
| 34       | 10100     | Venturi Tube, Complete Set               | ベンチュリー管(組)   | 1         |
| 35       | 26308     | Suction Pipe                             | 吸込管          | 1         |
| 36       | 1203      | Screw for 26308                          | 吸込管止ネジ       | 2         |

“MU35” “MU36” DEVICE(3)



“MU35”, “MU36” DEVICE(3)

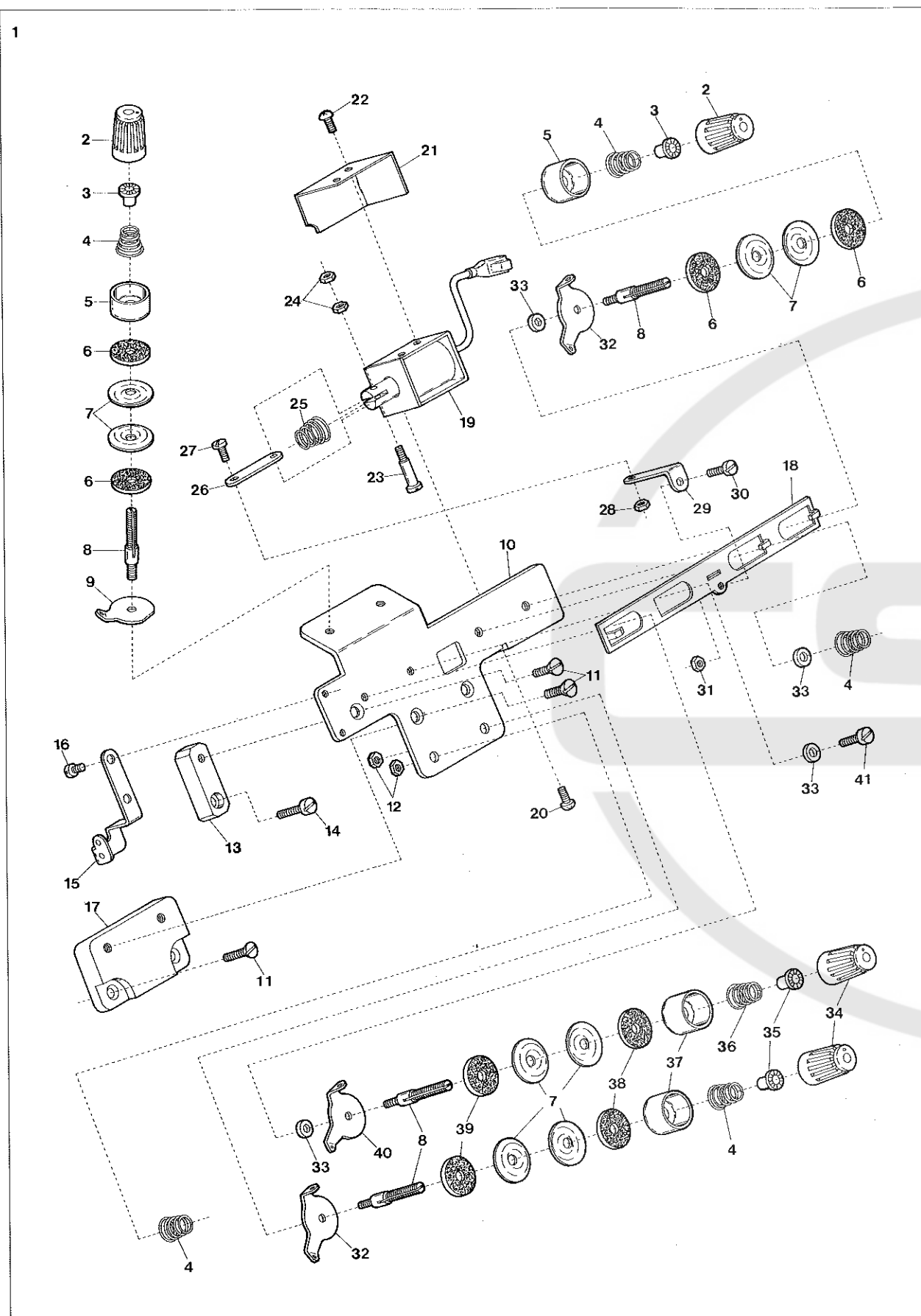
“MU35”, “MU36”装置(3) 30

| Ref. No. | Parts No. | Description                          | 品名                | Amt. Req. |
|----------|-----------|--------------------------------------|-------------------|-----------|
| 1        | 11247     | IC Unit (DN834)                      | ホールIC (組) (DN834) | 1         |
| 2        | 4358      | Screw for 11247                      | ホールIC (組) 止ネジ     | 2         |
| 3        | 26405     | Magnet Holding Ring Unit             | マグネット取付台 (組)      | 2         |
| 4        | 4185      | Screw for 26405                      | マグネット取付台 (組) 止ネジ  | 4         |
| 5        | 11987     | Cord Clamp (UL Type)                 | コードクランプ (UL 型)    | 4         |
| 6        | 23381     | Cord Clamp (φ10.6)                   | コードクランプ           | 1         |
| 7        | 538       | Washer for 23381                     | ワッシャ              | 1         |
| 8        | 5043      | Screw for 23381                      | コードクランプ止ネジ        | 1         |
| 9        | 5087      | Screw for Cloth Plate Hinge          | クロスプレートヒンジ止ネジ     | 1         |
| 10       | 94491     | Cord Clamp (φ3.4)                    | コードクランプ           | 1         |
| 11       | 532       | Washer for 94491                     | ワッシャ              | 1         |
| 12       | 4353      | Screw for 94491                      | コードクランプ止ネジ        | 1         |
| 13       | 11244     | Photocell Holder Unit                | 投光器 (組)           | 1         |
| 14       | 1202      | Screw for 11244                      | 投光器 (組) 止ネジ       | 1         |
| 15       | 1203      | Screw for 11244                      | 投光器 (組) 止ネジ       | 1         |
| 16       | 11935     | Emission Catcher Unit                | 受光器 (組)           | 1         |
| 17       | 11949     | Insulating Plate                     | 絶縁板               | 1         |
| 18       | 4404      | Screw for 11935                      | 受光器 (組) 止ネジ       | 2         |
| 19       | 24299     | Cloth Plate                          | クロスプレート           | 1         |
| 20       | 24301     | Cord Stay                            | コード支エ             | 2         |
| 21-1     | 11943     | Power Cord (for 100 Voltage)         | 電源コード (100V 用)    | 1         |
| 21-2     | 11944     | " ( " 200 " )                        | " (200 " )        | 1         |
| 21-3     | 11945     | " ( " 220 " )                        | " (220 " )        | 1         |
| 21-4     | 11946     | " ( " 380 " )                        | " (380 " )        | 1         |
| 22       | 11709     | Control Box Stay                     | 制御ボックスステイ         | 4         |
| 23       | 6910      | Screw for 11709                      | 制御ボックスステイ止ネジ      | 8         |
| 24-1     | 11930     | Control Box, Complete Set (for MU35) | 制御装置 (組) (MU35 用) | 1         |
| 24-2     | 11290     | " " (for MU36)                       | " " (MU36 用)      | 1         |
| 25       | 11975     | Control Board                        | MU 制御基板           | 1         |
| 26       | 11973     | Power Board                          | MU 電源基板           | 1         |
| 27       | 11974     | Voltage Regulator                    | 定電圧 IC            | 1         |

(注) TG装置とMU装置を併用する場合は、Ref. No. 6 No.23381のコードクランプは、28ページのRef. No. 1 No.26306ソレノイド取付板のAの穴の所に取付けて下さい。  
なお、止ネジは9958をワッシャは538を使用します。

Note: When both “TG” and “MU” Devices are used at the same time, Cord Clamp (Ref. No.6, Part No.23381) shall be fitted to the position (A) of Solenoid Support (Ref. No.1, Part No.26306) shown on Page 28.  
In this case, Screw (No.9958) and Washer (No.538) are used.

## “MU35” “MU36” DEVICE(4)



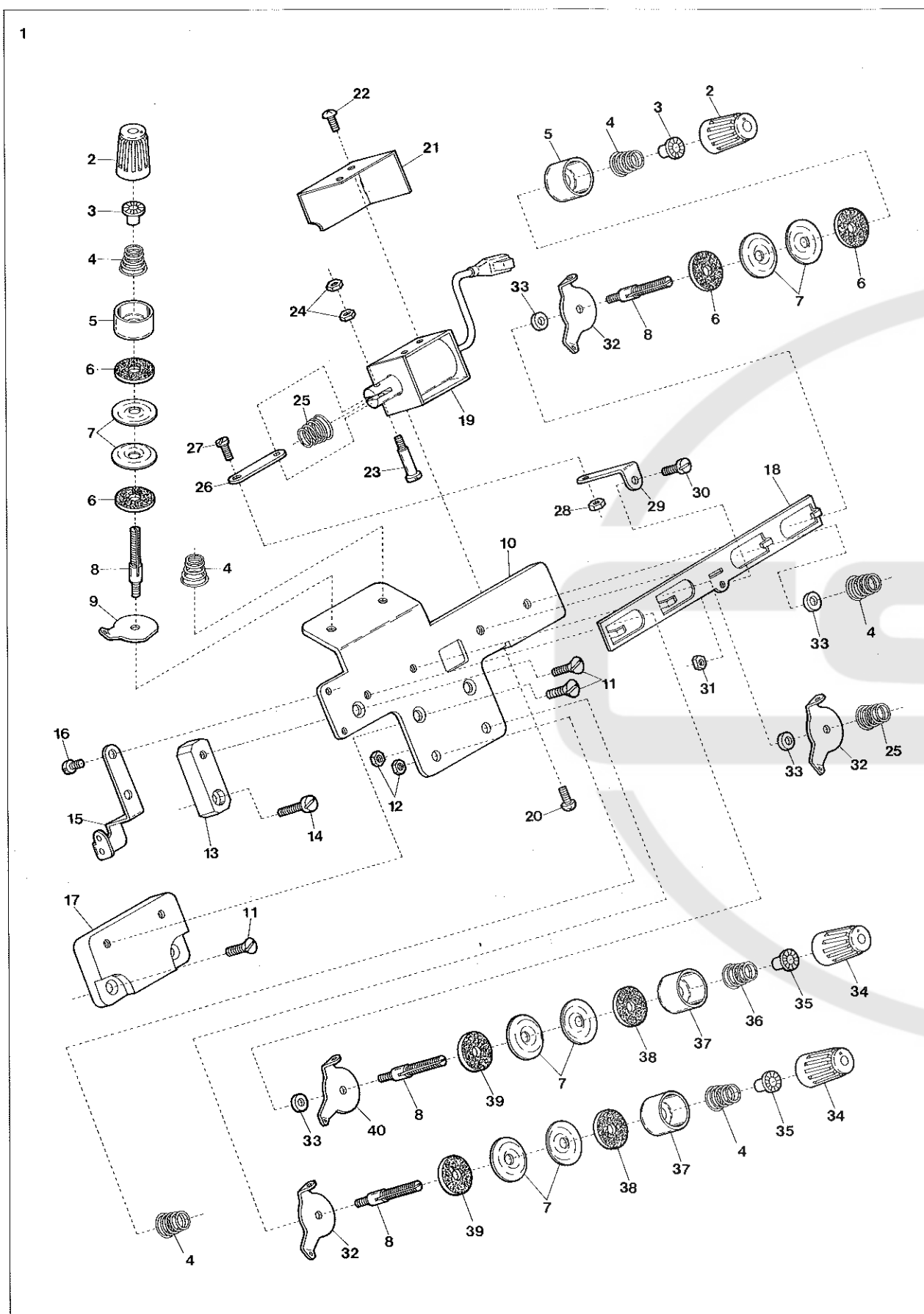
## “MU35”, “MU36” DEVICE(4) for ZF1003

## “MU35”, “MU36”装置(4) 31

| Ref. No. | Parts No. | Description                             | 品名              | Amt. Req. |
|----------|-----------|-----------------------------------------|-----------------|-----------|
| 1        | 26319     | Thread Tension Release, Complete Set    | 糸緩メ装置(組)        | 1         |
| 2        | 33806     | Thread Tension Spring Cap (G)           | 糸調子バネキャップ(上)(緑) | 3         |
| 3        | 33890     | Thread Tension Spring Bushing           | 糸調子ナット回り止メ      | 3         |
| 4        | 24157     | Thread Tension Spring                   | 糸調子バネ           | 5         |
| 5        | 33807     | Thread Tension Spring Retainer (G)      | 糸調子バネキャップ(下)(緑) | 3         |
| 6        | 286       | Felt for 31111 (G)                      | フェルト(緑)         | 6         |
| 7        | 31111     | Tension Disc                            | 糸調子皿            | 12        |
| 8        | 7904      | Tension Post                            | 糸調子棒            | 6         |
| 9        | 36853     | Tension Disc Eyelet                     | 調子台糸道           | 1         |
| 10       | 23185     | Thread Tension Release Supporting Board | 糸緩メ台            | 1         |
| 11       | 9127      | Screw for 23185, 26203                  | 止ネジ             | 5         |
| 12       | 340       | Nut for 7904                            | ナット             | 2         |
| 13       | 26202     | Thread Tension Release Stay (Left)      | 糸緩メ装置支工(左)      | 1         |
| 14       | 5043      | Screw for 26202                         | 糸緩メ装置支工(左)止ネジ   | 1         |
| 15       | 26206     | Tension Disc Auxiliary Eyelet           | 調子台補助糸道         | 1         |
| 16       | 4358      | Screw for 26206                         | 調子台補助糸道止ネジ      | 2         |
| 17       | 26203     | Thread Tension Release Stay (Right)     | 糸緩メ装置支工(右)      | 1         |
| 18       | 25144     | Thread Tension Release Plate            | 糸緩メ板            | 1         |
| 19       | 11942     | Thread Tension Release Solenoid         | ソレノイド           | 1         |
| 20       | 9994      | Screw for 11942                         | ソレノイド止ネジ        | 2         |
| 21       | 23189     | Solenoid Cover                          | ソレノイドカバー        | 1         |
| 22       | 9995      | Screw for 23189                         | ソレノイドカバー止ネジ     | 2         |
| 23       | 5128      | Solenoid Connecting Pin                 | ソレノイド連結ピン       | 1         |
| 24       | 21        | Nut for 5128                            | ナット             | 2         |
| 25       | 32971     | Solenoid Spring                         | ソレノイドバネ         | 1         |
| 26       | 23187     | Thread Tension Release Link             | 糸緩メリンク          | 1         |
| 27       | 6092      | Screw for 23187                         | 糸緩メリンク止ネジ       | 1         |
| 28       | 330       | Nut for 23187                           | ナット             | 1         |
| 29       | 23186     | Thread Tension Release Plate Guide      | 糸緩メ板ガイド         | 1         |
| 30       | 4312      | Screw for 23186                         | 糸緩メ板ガイド止ネジ      | 1         |
| 31       | 331       | Nut for 23186                           | ナット             | 1         |
| 32       | 20101     | Tension Disc Eyelet                     | 調子台糸道           | 4         |
| 33       | 496       | Spacer for 20101, 21001                 | スペーサ            | 4         |
| 34       | 24084     | Thread Tension Spring Cap (W)           | 糸調子バネキャップ(上)(白) | 3         |
| 35       | 24083     | Thread Tension Spring Bushing           | 糸調子ナット回り止メ      | 3         |
| 36       | 24156     | Thread Tension Spring                   | 糸調子バネ           | 1         |
| 37       | 20118     | Thread Tension Spring Retainer (W)      | 糸調子バネキャップ(下)(白) | 3         |
| 38       | 178       | Felt for 31111 (W) (2.5mm)              | フェルト(白)         | 3         |
| 39       | 177       | Felt for 31111 (W) (1.0mm)              | フェルト(白)         | 3         |
| 40       | 21001     | Tension Disc Eyelet                     | 調子台糸道           | 1         |
| 41       | 9843      | Screw for 496                           | スペーサ止ネジ         | 1         |

Note: (G).....Green colored, (W).....White colored  
 (注) (G)は緑色、(W)は白色を表わします。

## “MU35”, “MU36” DEVICE(5)



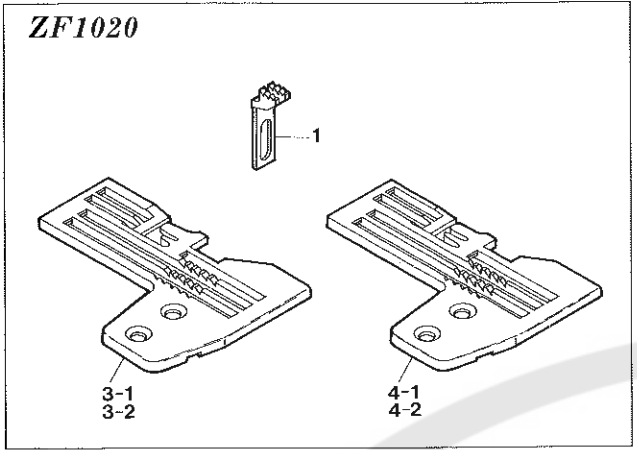
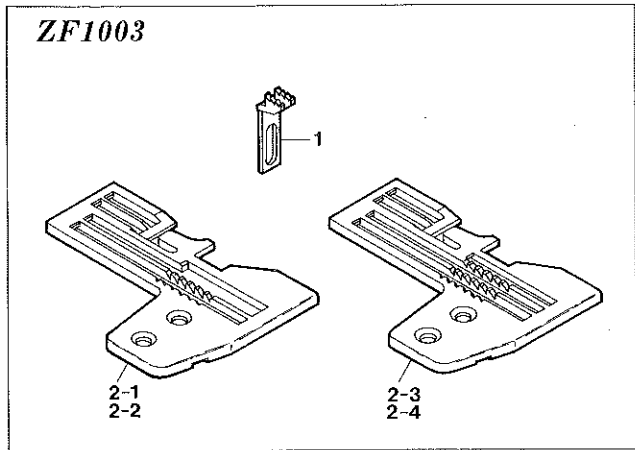
## “MU35”, “MU36” DEVICE(5) for ZF1020

## “MU35”, “MU36”装置(5) 32

| Ref.<br>No. | Parts<br>No. | Description                               | 品名              | Amt.<br>Req. |
|-------------|--------------|-------------------------------------------|-----------------|--------------|
| 1           | 26313        | Thread Tension Release, Complete Set      | 糸緩メ装置(組)        | 1            |
| 2           | 33806        | Thread Tension Spring Cap (G)             | 糸調子バネキャップ(上)(緑) | 4            |
| 3           | 33890        | Thread Tension Spring Bushing             | 糸調子ナット回り止メ      | 4            |
| 4           | 24157        | Thread Tension Spring                     | 糸調子バネ           | 6            |
| 5           | 33807        | Thread Tension Spring Retainer (G)        | 糸調子バネキャップ(下)(緑) | 4            |
| 6           | 286          | Felt for 31111 (G)                        | フェルト(緑)         | 8            |
| 7           | 31111        | Tension Disc                              | 糸調子皿            | 16           |
| 8           | 7904         | Tension Post                              | 糸調子棒            | 8            |
| 9           | 36853        | Tension Disc Eyelet                       | 調子台糸道           | 2            |
| 10          | 23185        | Thread Tension Release Supporting Board   | 糸緩メ台            | 1            |
| 11          | 9127         | Screw for 23185, 26203                    | 止ネジ             | 5            |
| 12          | 340          | Nut for 7904                              | ナット             | 2            |
| 13          | 26202        | Thread Tension Release Stay (Left)        | 糸緩メ装置支(左)       | 1            |
| 14          | 5043         | Screw for 26202                           | 糸緩メ装置支(左)止ネジ    | 1            |
| 15          | 26206        | Tension Disc Auxiliary Eyelet             | 調子台補助糸道         | 1            |
| 16          | 4358         | Screw for 26206                           | 調子台補助糸道止ネジ      | 2            |
| 17          | 26203        | Thread Tension Release Stay (Right)       | 糸緩メ装置支(右)       | 1            |
| 18          | 23190        | Thread Tension Release Plate              | 糸緩メ板            | 1            |
| 19          | 11942        | Thread Tension Release Solenoid           | ソレノイド           | 1            |
| 20          | 9994         | Screw for 11942                           | ソレノイド止ネジ        | 2            |
| 21          | 23189        | Solenoid Cover                            | ソレノイドカバー        | 1            |
| 22          | 9995         | Screw for 23189                           | ソレノイドカバー止ネジ     | 2            |
| 23          | 5128         | Solenoid Connecting Pin                   | ソレノイド連結ピン       | 1            |
| 24          | 21           | Nut for 5128                              | ナット             | 2            |
| 25          | 32971        | Solenoid Spring & Threaded Tension Spring | ソレノイドバネ、糸調子バネ   | 2            |
| 26          | 23187        | Thread Tension Release Link               | 糸緩メリンク          | 1            |
| 27          | 6092         | Screw for 23187                           | 糸緩メリンク止ネジ       | 1            |
| 28          | 330          | Nut for 23187                             | ナット             | 1            |
| 29          | 23186        | Thread Tension Release Plate Guide        | 糸緩メ板ガイド         | 1            |
| 30          | 4312         | Screw for 23186                           | 糸緩メ板ガイド止ネジ      | 1            |
| 31          | 331          | Nut for 23186                             | ナット             | 1            |
| 32          | 20101        | Tension Disc Eyelet                       | 調子台糸道           | 5            |
| 33          | 496          | Spacer for 20101, 21001                   | スペーサ            | 4            |
| 34          | 24084        | Thread Tension Spring Cap (W)             | 糸調子バネキャップ(上)(白) | 4            |
| 35          | 24083        | Thread Tension Spring Bushing             | 糸調子ナット回り止メ      | 4            |
| 36          | 24156        | Thread Tension Spring                     | 糸調子バネ           | 1            |
| 37          | 20118        | Thread Tension Spring Retainer (W)        | 糸調子バネキャップ(下)(白) | 4            |
| 38          | 178          | Felt for 31111 (W) (2.5mm)                | フェルト(白)         | 4            |
| 39          | 177          | Felt for 31111 (W) (1.0mm)                | フェルト(白)         | 4            |
| 40          | 21001        | Tension Disc Eyelet                       | 調子台糸道           | 1            |

Note: (G).....Green colored, (W).....White colored  
 (注) (G)は緑色、(W)は白色を表わします。

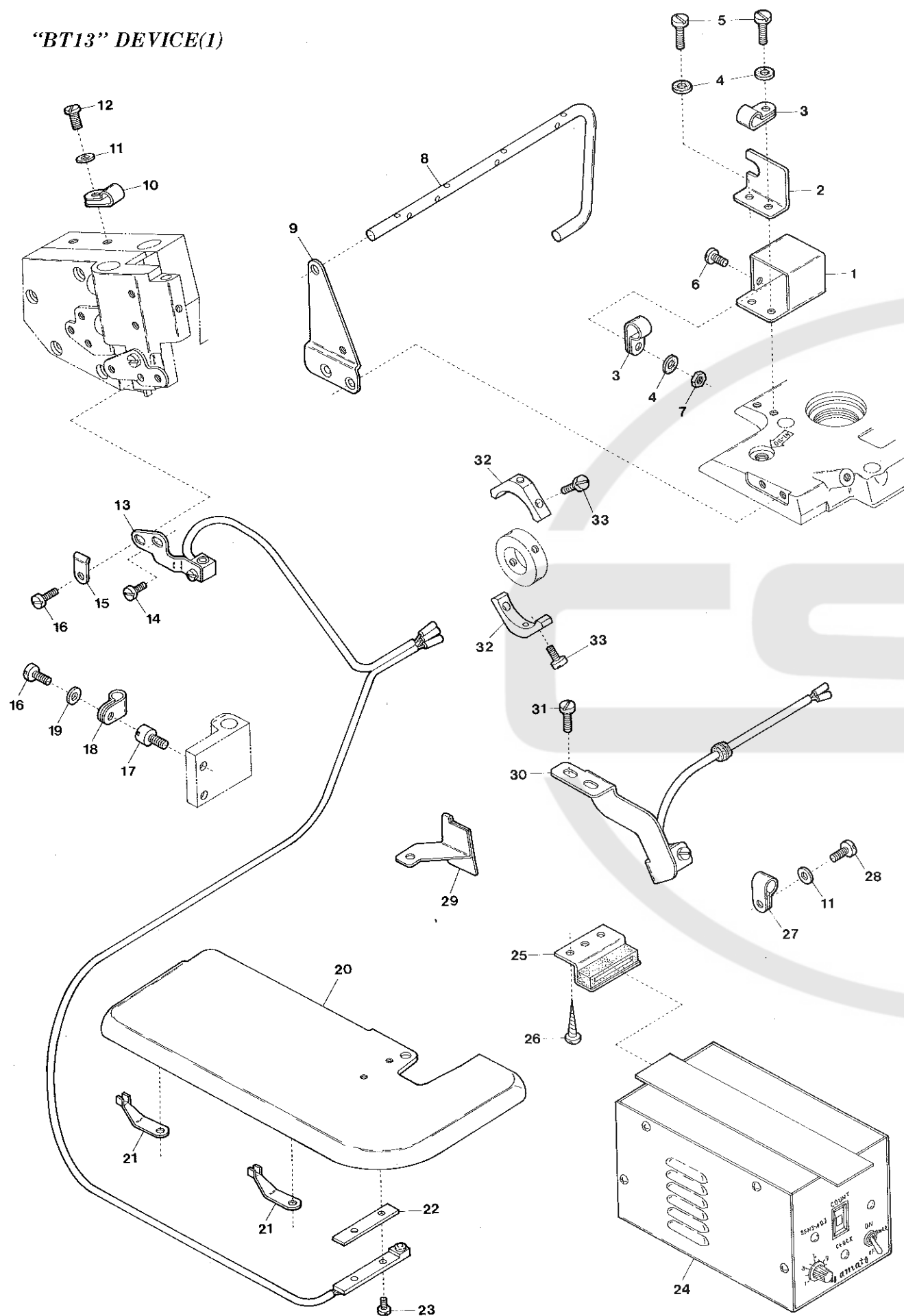
“MU35”“MU36” DEVICE(6)



“MU35”, “MU36” DEVICE(6)

| Ref. No. | Parts No. | Description        | 品名      | Amt. Req. |
|----------|-----------|--------------------|---------|-----------|
| 1        | 22956     | Auxiliary Feed Dog | 小送り     | 1         |
| 2-1      | 24239     | Stitch Plate (O3)  | 針板(O 3) | 1         |
| 2-2      | 24240     | " (O4)             | " (O 4) | 1         |
| 2-3      | 24241     | " (O5)             | " (O 5) | 1         |
| 2-4      | 24244     | " (O6)             | " (O 6) | 1         |
| 3-1      | 24242     | Stitch Plate (X4)  | 針板(X 4) | 1         |
| 3-2      | 24243     | " (X5)             | " (X 5) | 1         |
| 4-1      | 24237     | Stitch Plate (Y5)  | 針板(Y 5) | 1         |
| 4-2      | 24238     | " (Y6)             | " (Y 6) | 1         |

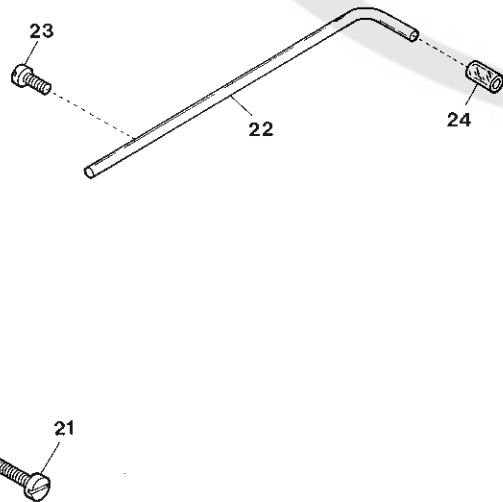
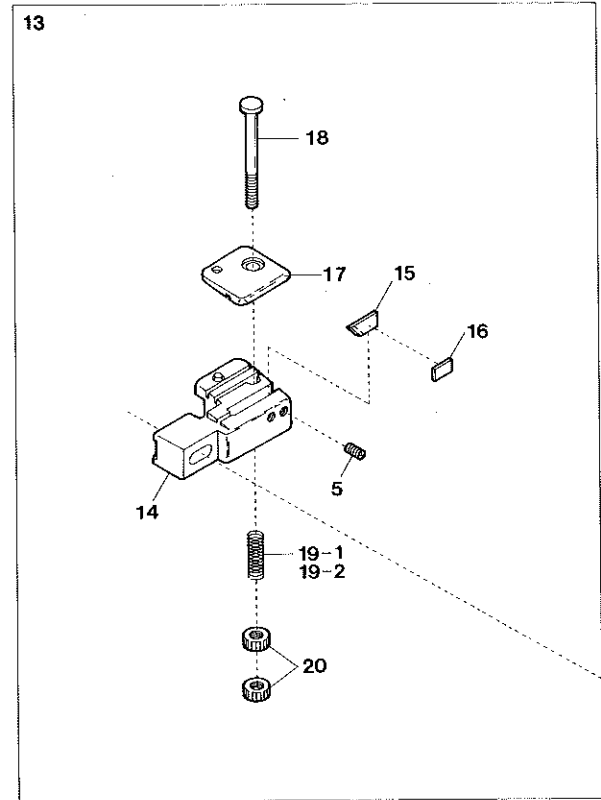
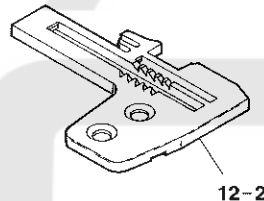
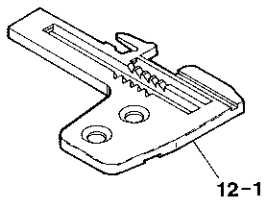
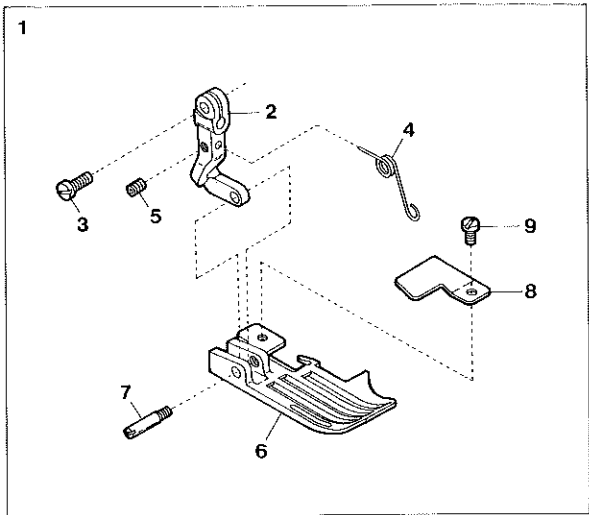
“BT13” DEVICE(1)



“BT13” DEVICE(1)

| Ref. No. | Parts No. | Description                        | 品名             | Amt. Req. |
|----------|-----------|------------------------------------|----------------|-----------|
| 1        | 11840     | Connector Case                     | コネクタケース        | 1         |
| 2        | 11841     | Connector Case Lid                 | コネクタケース蓋       | 1         |
| 3        | 36133     | Cord Clamp (φ8.4)                  | コードクランプ        | 2         |
| 4        | 550       | Seal for 36133                     | パッキン           | 3         |
| 5        | 4445      | Screw for 11841                    | コネクタケース蓋止ネジ    | 2         |
| 6        | 4352      | Screw for 36133                    | コードクランプ止ネジ     | 1         |
| 7        | 335       | Nut for 36133                      | ナット            | 1         |
| 8        | 26204     | Thread Lead Bar                    | 糸道棒            | 1         |
| 9        | 26205     | Thread Lead Bar Holder             | 糸道棒振止め         | 1         |
| 10       | 60248     | Cord Clamp (φ5.3)                  | コードクランプ        | 1         |
| 11       | 538       | Washer for 60248, 23381            | ワッシャ           | 2         |
| 12       | 4440      | Screw for 60248                    | コードクランプ止ネジ     | 1         |
| 13       | 11478     | Photoelectric Switch, Complete Set | 光電スイッチ(組)      | 1         |
| 14       | 1203      | Screw for 11478                    | 光電スイッチ(組)止ネジ   | 1         |
| 15       | 24302     | Cord Stay                          | コード支エ          | 1         |
| 16       | 4353      | Screw for 24302                    | コード支エ止ネジ       | 1         |
| 17       | 5087      | Screw for Cloth Plate Hinge        | クロスプレートヒンジ止ネジ  | 1         |
| 18       | 94491     | Cord Clamp (φ3.4)                  | コードクランプ        | 1         |
| 19       | 532       | Washer for 94491                   | ワッシャ           | 1         |
| 20       | 24320     | Cloth Plate                        | クロスプレート        | 1         |
| 21       | 24301     | Cord Stay                          | コード支エ          | 2         |
| 22       | 11949     | Insulating Plate                   | 絶縁板            | 1         |
| 23       | 4404      | Screw for 11478                    | 光電スイッチ(組)止ネジ   | 2         |
| 24       | 11322     | Control Box, Complete Set          | 制御装置(組)        | 1         |
| 25       | 11709     | Control Box Stay                   | 制御ボックスステイ      | 2         |
| 26       | 6910      | Screw for 11709                    | 制御ボックスステイ止ネジ   | 4         |
| 27       | 23381     | Cord Clamp (φ10.6)                 | コードクランプ        | 1         |
| 28       | 5043      | Screw for 23381                    | コードクランプ止ネジ     | 1         |
| 29       | 22635     | Lower Looper Cover                 | 下ルーパカバー        | 1         |
| 30       | 11248     | IC Unit (DN834)                    | ホールIC(組)       | 1         |
| 31       | 4358      | Screw for 11248                    | ホールIC(組)止ネジ    | 2         |
| 32       | 26405     | Magnet Holding Ring Unit           | マグネット取付台(組)    | 2         |
| 33       | 4185      | Screw for 26405                    | マグネット取付台(組)止ネジ | 4         |

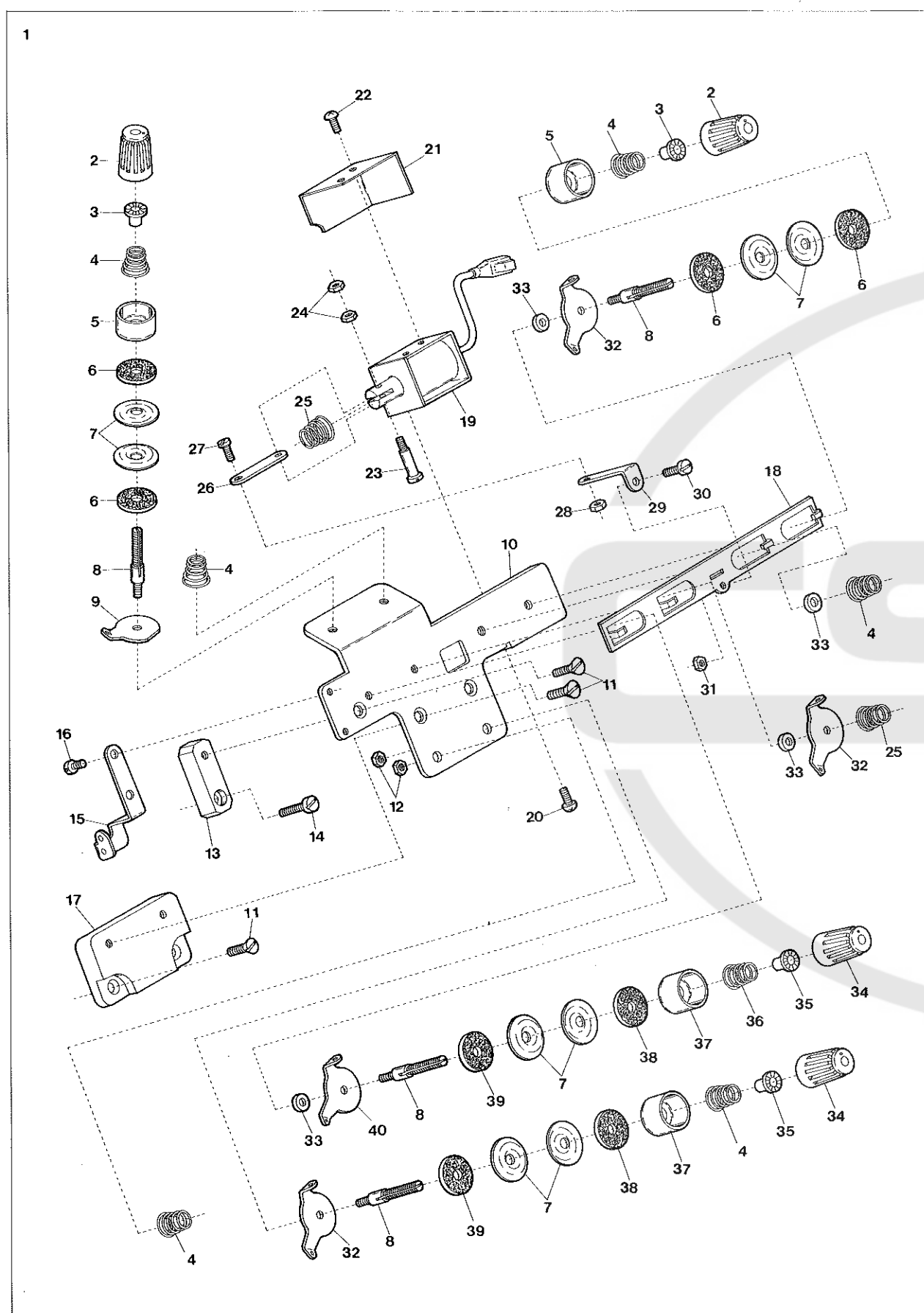
“BT13” DEVICE(2)



“BT13” DEVICE(2)

| Ref. No. | Parts No. | Description                           | 品名           | Amt. Req. |
|----------|-----------|---------------------------------------|--------------|-----------|
| 1        | 26333     | Presser Foot, Complete Set (X4)       | 押エ(組)(X4)    | 1         |
| 2        | 26139     | Presser Foot Hinge                    | 押エヒンジ        | 1         |
| 3        | 4351      | Screw for 26139                       | 押エヒンジ止ネジ     | 1         |
| 4        | 26141     | Presser Foot Spring                   | 押エバネ         | 1         |
| 5        | 3637      | Screw for 26141, 23184                | 止ネジ          | 3         |
| 6        | 26334     | Presser Foot                          | 押エ           | 1         |
| 7        | 26140     | Presser Foot Hinge Pin                | 押エヒンジピン      | 1         |
| 8        | 26142     | Presser Foot Chain Shield             | 空糸押エ         | 1         |
| 9        | 4141      | Screw for 26142                       | 空糸押エ止ネジ      | 1         |
| 10       | 24310     | Differential Feed Dog                 | 前送り          | 1         |
| 11       | 23171     | Main Feed Dog                         | 後送り          | 1         |
| 12-1     | 24313     | Stitch Plate (X4)                     | 針板(X4)       | 1         |
| 12-2     | 24314     | “ (for Cover Seaming)(Extra)          | “ (地縫用)(特注品) | 1         |
| 13       | 24305     | Back Tack Cutting Unit                | 空糸切り装置(組)    | 1         |
| 14       | 24306     | Chain-off Cutting Knife Holder        | 刃取付台         | 1         |
| 15       | 23184     | Chain-off Cutting Knife               | 刃            | 1         |
| 16       | 23169     | Chain-off Cutting Knife Holder Spacer | 刃取付台スペーサ     | 1         |
| 17       | 24308     | Chain-off Holder                      | 空糸押エ         | 1         |
| 18       | 4205      | Screw for 24308                       | 空糸押エ止ネジ      | 1         |
| 19-1     | 23182     | Chain-off Holder Spring (Standard)    | 空糸押エバネ(標準)   | 1         |
| 19-2     | 33711     | “ “ “ (With Stronger Pressure)        | “ (バネ圧強い)    | 1         |
| 20       | 361       | Adjusting Nut for 23182               | 空糸押エバネ調節ナット  | 2         |
| 21       | 1923      | Screw for 24306                       | 刃取付台止ネジ      | 1         |
| 22       | 22836     | Synchronizer Positioning Pin          | ポジショナピン      | 1         |
| 23       | 1175      | Screw for 22836                       | ポジショナピン止ネジ   | 1         |
| 24       | 22837     | Synchronizer Cushion                  | ポジショナピンクッション | 1         |

## "BT13" DEVICE(3)



## "BT13" DEVICE(3) for ZF1020

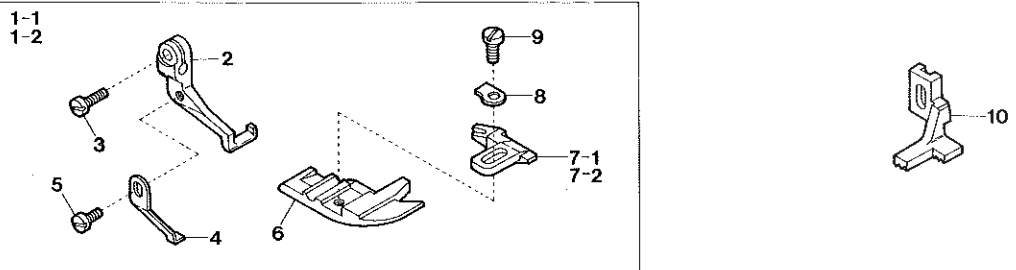
## "BT13"装置(3)

| Ref.<br>No. | Parts<br>No. | Description                             | 品名              | Amt.<br>Req. |
|-------------|--------------|-----------------------------------------|-----------------|--------------|
| 1           | 26332        | Thread Tension Release, Complete Set    | 糸緩メ装置(組)        | 1            |
| 2           | 33806        | Thread Tension Spring Cap (G)           | 糸調子バネキャップ(上)(緑) | 4            |
| 3           | 33890        | Thread Tension Spring Bushing           | 糸調子ナット回り止メ      | 4            |
| 4           | 24157        | Thread Tension Spring                   | 糸調子バネ           | 6            |
| 5           | 33807        | Thread Tension Spring Retainer (G)      | 糸調子バネキャップ(下)(緑) | 4            |
| 6           | 286          | Felt for 31111 (G)                      | フェルト(緑)         | 8            |
| 7           | 31111        | Tension Disc                            | 糸調子皿            | 16           |
| 8           | 7904         | Tension Post                            | 糸調子棒            | 8            |
| 9           | 36853        | Tension Disc Eyelet                     | 調子台糸道           | 2            |
| 10          | 23185        | Thread Tension Release Supporting Board | 糸緩メ台            | 1            |
| 11          | 9127         | Screw for 23185, 26203                  | 止ネジ             | 5            |
| 12          | 340          | Nut for 7904                            | ナット             | 2            |
| 13          | 26202        | Thread Tension Release Stay (Left)      | 糸緩メ装置支エ(左)      | 1            |
| 14          | 5043         | Screw for 26202                         | 糸緩メ装置支エ(左)止ネジ   | 1            |
| 15          | 26206        | Tension Disc Auxiliary Eyelet           | 調子台補助糸道         | 1            |
| 16          | 4358         | Screw for 26206                         | 調子台補助糸道止ネジ      | 2            |
| 17          | 26203        | Thread Tension Release Stay (Right)     | 糸緩メ装置支エ(右)      | 1            |
| 18          | 23190        | Thread Tension Release Plate            | 糸緩メ板            | 1            |
| 19          | 11839        | Thread Tension Release Solenoid         | ソレノイド           | 1            |
| 20          | 9994         | Screw for 11839                         | ソレノイド止ネジ        | 2            |
| 21          | 23189        | Solenoid Cover                          | ソレノイドカバー        | 1            |
| 22          | 9995         | Screw for 23189                         | ソレノイドカバー止ネジ     | 2            |
| 23          | 5128         | Solenoid Connecting Pin                 | ソレノイド連結ピン       | 1            |
| 24          | 21           | Nut for 5128                            | ナット             | 2            |
| 25          | 32971        | Solenoid Spring & Thread Tension Spring | ソレノイドバネ、糸調子バネ   | 2            |
| 26          | 23187        | Tension Release Link                    | 糸緩メリンク          | 1            |
| 27          | 6092         | Screw for 23187                         | 糸緩メリンク止ネジ       | 1            |
| 28          | 330          | Nut for 23187                           | ナット             | 1            |
| 29          | 23186        | Thread Tension Release Plate Guide      | 糸緩メ板ガイド         | 1            |
| 30          | 4312         | Screw for 23186                         | 糸緩メ板ガイド止ネジ      | 1            |
| 31          | 331          | Nut for 23186                           | ナット             | 1            |
| 32          | 20101        | Tension Disc Eyelet                     | 調子台糸道           | 5            |
| 33          | 496          | Spacer for 20101, 21001                 | スペーサ            | 4            |
| 34          | 24084        | Thread Tension Spring Cap (W)           | 糸調子バネキャップ(上)(白) | 4            |
| 35          | 24083        | Thread Tension Spring Bushing           | 糸調子ナット回り止メ      | 4            |
| 36          | 24156        | Thread Tension Spring                   | 糸調子バネ           | 1            |
| 37          | 20118        | Thread Tension Spring Retainer (W)      | 糸調子バネキャップ(下)(白) | 4            |
| 38          | 178          | Felt for 31111 (W) (2.5mm)              | フェルト(白)         | 4            |
| 39          | 177          | Felt for 31111 (W) (1.0mm)              | フェルト(白)         | 4            |
| 40          | 21001        | Tension Disc Eyelet                     | 調子台糸道           | 1            |

Note : (G) ..... Green colored, (W) ..... White colored

(注) (G)は緑色、(W)は白色を表わします。

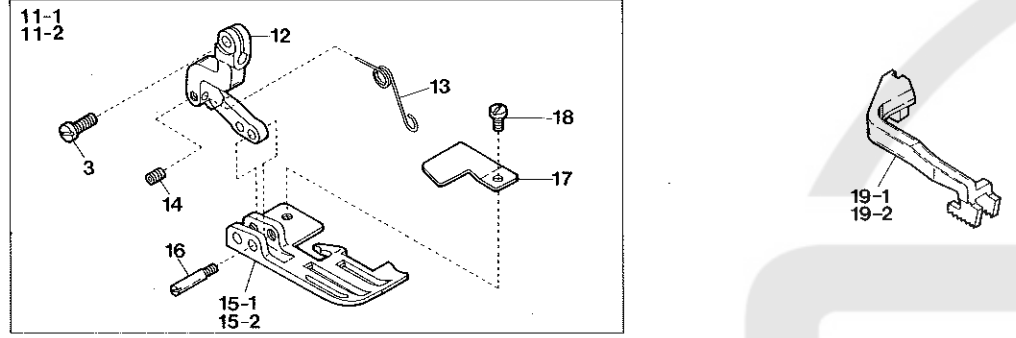
ZR1020



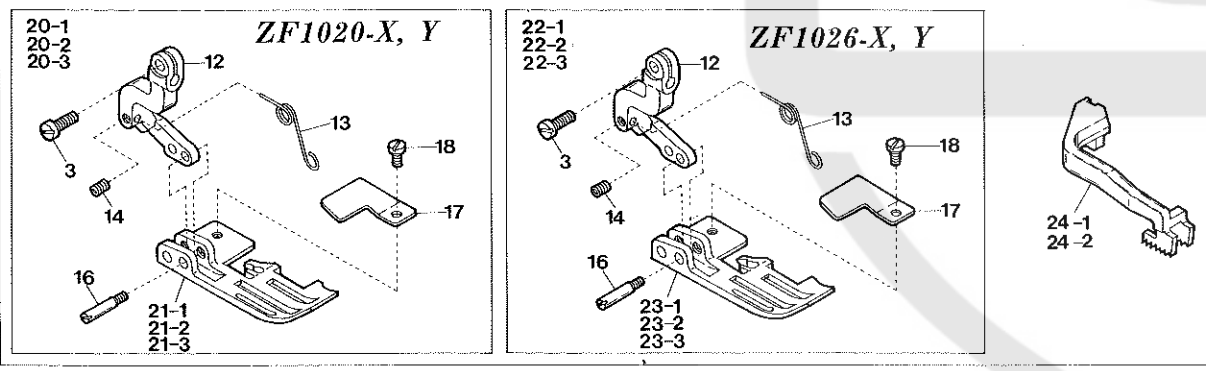
EXTRA PARTS

小型押工用 for Small Type Presser Foot

ZF1003-03, 04



ZF1020, 1026

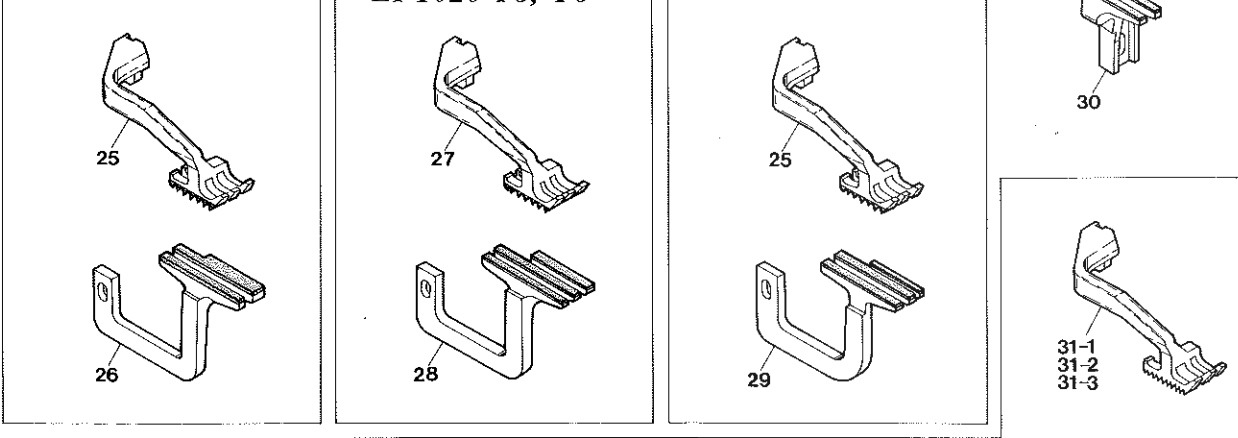


ラバー送り Feed Dog plated with rubber

ZF1003-03, 04

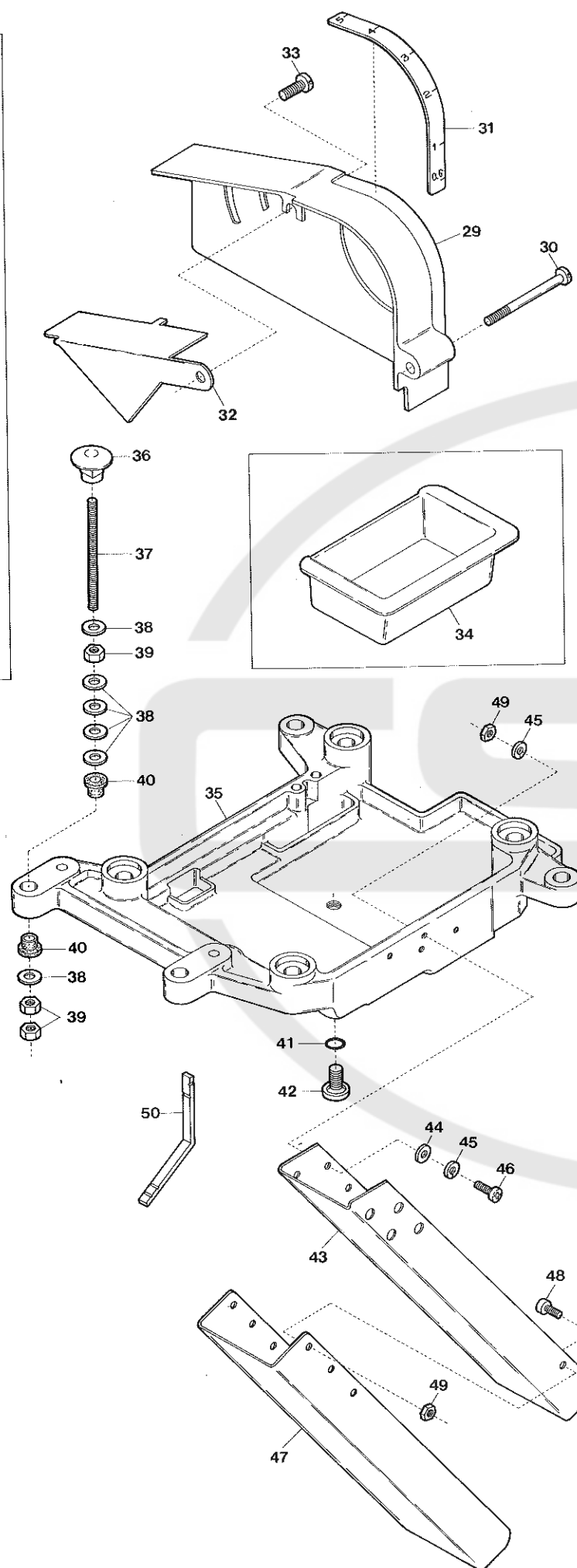
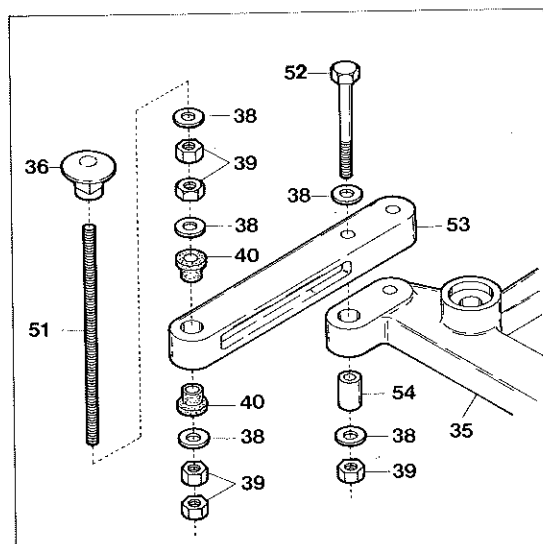
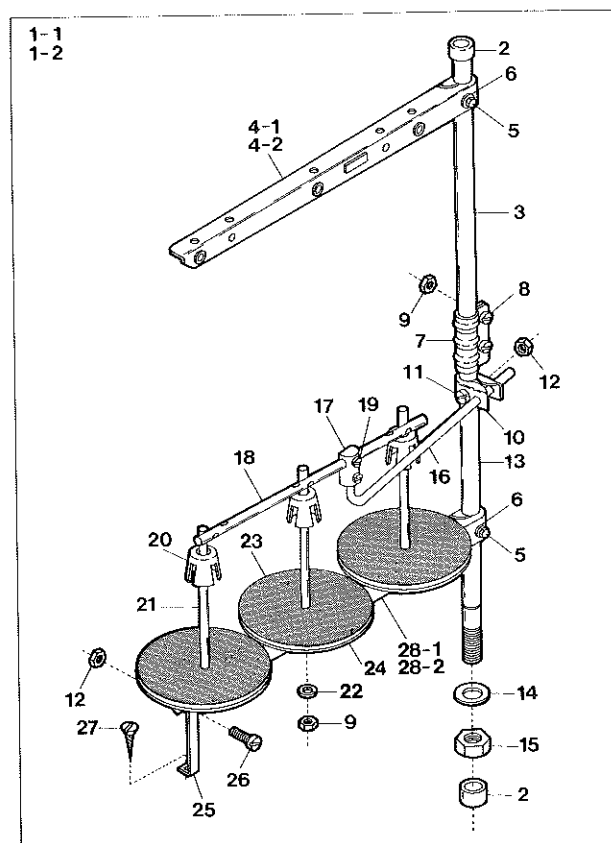
ZF1003-05, 06  
ZF1020-Y5, Y6

ZF1020-X4



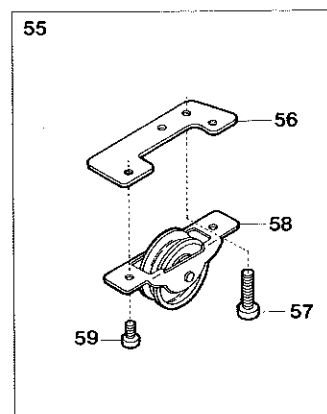
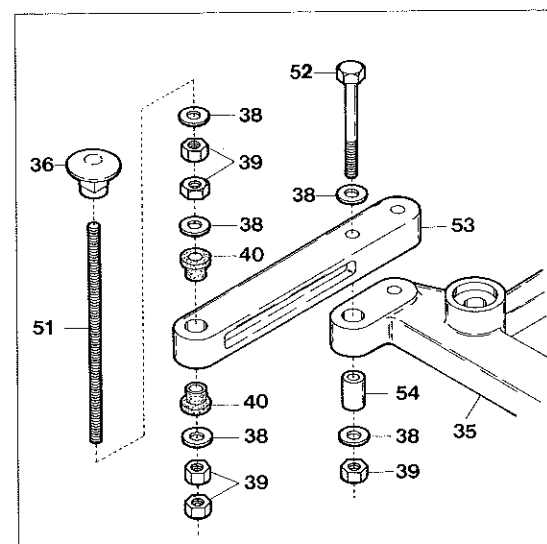
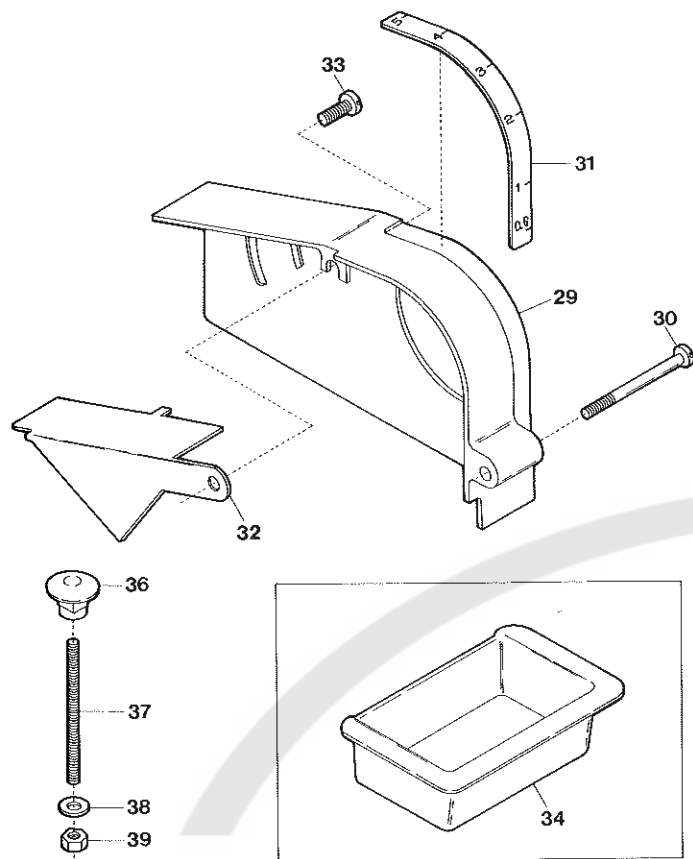
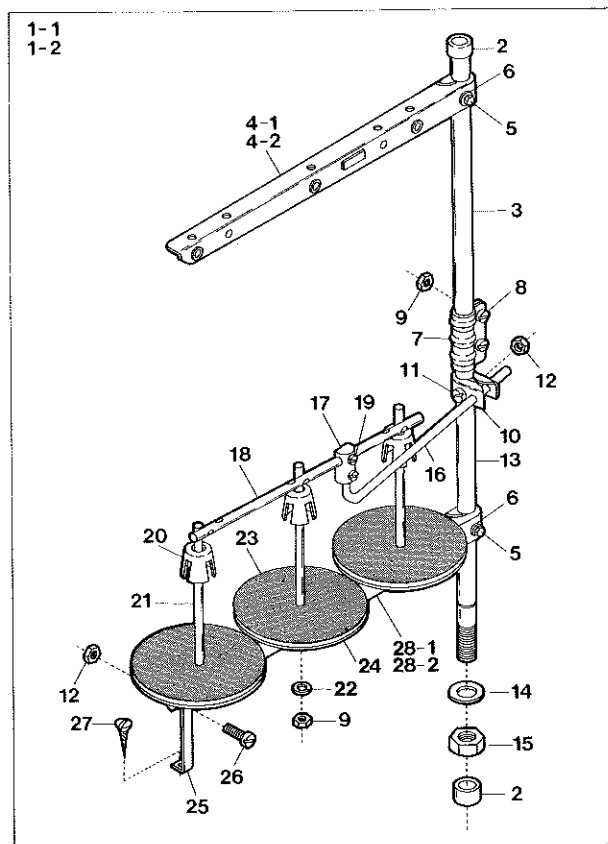
ZR1020 EXCLUSIVE PARTS  
& EXTRA PARTS

| Ref. No. | Parts No. | Description                                            | 品名         | Amt. Req. |
|----------|-----------|--------------------------------------------------------|------------|-----------|
| 1-1      | 26502     | Presser Foot, Complete Set (Y5)                        | 押エ(組)(Y5)  | 1         |
| 1-2      | 26503     | " (Y6)                                                 | " (Y6)     | 1         |
| 2        | 26501     | Presser Foot Hinge                                     | 押エヒンジ      | 1         |
| 3        | 4351      | Screw for 26501, 26358                                 | 押エヒンジ止ネジ   | 1         |
| 4        | 26504     | Presser Foot Half-stay                                 | 半固定片       | 1         |
| 5        | 9730      | Screw for 26504                                        | 半固定片止ネジ    | 1         |
| 6        | 26500     | Presser Foot (Lower)                                   | 押エ(下)      | 1         |
| 7-1      | 24212     | Presser Foot Stitch Tongue (Y5)                        | 爪(Y5)      | 1         |
| 7-2      | 24213     | " (Y6)                                                 | " (Y6)     | 1         |
| 8        | 21005     | Presser Foot Hinge Spring                              | 押エヒンジバネ    | 1         |
| 9        | 4095      | Screw for 21005                                        | 押エヒンジバネ止ネジ | 1         |
| 10       | 26505     | Top Feed Dog (Rear)                                    | 上送り(後)     | 1         |
| 11-1     | 26355     | Presser Foot, Complete Set (O3)                        | 押エ(組)(O3)  | 1         |
| 11-2     | 26357     | " (O4)                                                 | " (O4)     | 1         |
| 12       | 26358     | Presser Foot Hinge                                     | 押エヒンジ      | 1         |
| 13       | 27023     | Presser Foot Spring                                    | 押エバネ       | 1         |
| 14 1     | 3637      | Screw for 27023                                        | 押エバネ止ネジ    | 1         |
| 15-2     | 26354     | Presser Foot (O3)                                      | 押エ(O3)     | 1         |
| 15-2     | 26356     | " (O4)                                                 | " (O4)     | 1         |
| 16       | 26140     | Presser Foot Hinge Pin                                 | 押エヒンジピン    | 1         |
| 17       | 26142     | Presser Foot Chain Shield                              | 空糸押エ       | 1         |
| 18       | 4237      | Screw for 26142                                        | 空糸押エ止ネジ    | 1         |
| 19-1     | 26514     | Top Feed Dog                                           | 上送り        | 1         |
| 19-2     | 26130     | " (with Rubber)                                        | " (ラバー送り)  | 1         |
| 20-1     | 26347     | Presser Foot, Complete Set (X4)                        | 押エ(組)(X4)  | 1         |
| 20-2     | 26341     | " (Y5)                                                 | " (Y5)     | 1         |
| 20-3     | 26343     | " (Y6)                                                 | " (Y6)     | 1         |
| 21-1     | 26346     | Presser Foot (X4)                                      | 押エ(X4)     | 1         |
| 21-2     | 26340     | " (Y5)                                                 | " (Y5)     | 1         |
| 21-3     | 26342     | " (Y6)                                                 | " (Y6)     | 1         |
| 22-1     | 26353     | Presser Foot, Complete Set (X4)                        | 押エ(組)(X4)  | 1         |
| 22-2     | 26349     | " (Y5)                                                 | " (Y5)     | 1         |
| 22-3     | 26351     | " (Y6)                                                 | " (Y6)     | 1         |
| 23-1     | 26352     | Presser Foot (X4)                                      | 押エ(X4)     | 1         |
| 23-2     | 26348     | " (Y5)                                                 | " (Y5)     | 1         |
| 23-3     | 26350     | " (Y6)                                                 | " (Y6)     | 1         |
| 24-1     | 26513     | Top Feed Dog                                           | 上送り        | 1         |
| 24-2     | 26129     | " (with Rubber)                                        | " (ラバー送り)  | 1         |
| 25       | 26158     | Top Feed Dog                                           | 上送り        | 1         |
| 26       | 23340     | Differential Feed Dog                                  | 前送り        | 1         |
| 27       | 26127     | Top Feed Dog                                           | 上送り        | 1         |
| 28       | 23341     | Differential Feed Dog                                  | 前送り        | 1         |
| 29       | 24222     | Differential Feed Dog                                  | 前送り        | 1         |
| 30       | 23342     | Main Feed Dog                                          | 後送り        | 1         |
| 31-1     | 26515     | Top Feed Dog (ZF1003-05, 06, 1020-Y5, Y6, 1025-Y5, Y6) | 上送り        | 1         |
| 31-2     | 26516     | " (ZF1003-03, 04, 1020-X4, X5, 1025-X4, X5)            | "          | 1         |
| 31-3     | 26517     | " (ZF1026-Y5, Y6, X4, X5)                              | 上送り        | 1         |



| Ref.<br>No. | Parts<br>No. | Description                                | 品 名           | Amt.<br>Req. |
|-------------|--------------|--------------------------------------------|---------------|--------------|
| 1-1         | 99072        | Thread Stand, Complete Set (3 Spools Type) | 糸立台(組) (3本糸用) | 1            |
| 1-2         | 99073        | " " " " (4 Spools Type)                    | " (4本糸用)      | 1            |
| 2           | 99057        | Column Cap                                 | コラムキャップ       | 2            |
| 3           | 99058        | Column Pipe (Upper)                        | コラムパイプ(上)     | 1            |
| 4-1         | 99060        | Thread Hanger (3 Spools Type)              | スレッドハンガ(3本糸用) | 2            |
| 4-2         | 99059        | " " (2 Spools Type)                        | " (2本糸用)      | 1            |
| 5           | 147          | Screw for 99060, 99059, 99070, 99071       | 止ネジ           | 2            |
| 6           | 148          | Washer for 99060, 99059, 99070, 99071      | ワッシャ          | 2            |
| 7           | 99061        | Column Pipe Connector                      | コラムパイプ継手      | 1            |
| 8           | 149          | Screw for 99061                            | コラムパイプ継手止ネジ   | 2            |
| 9           | 150          | Nut for 99061, 99066                       | ナット           | 5            |
| 10          | 99062        | Thread Guide Holder                        | 糸案内ホルダ        | 1            |
| 11          | 151          | Screw for 99062                            | 糸案内ホルダ止ネジ     | 1            |
| 12          | 152          | Nut for 99062, 99069                       | ナット           | 2            |
| 13          | 99063        | Column Pipe (Lower)                        | コラムパイプ(下)     | 1            |
| 14          | 154          | Washer for 99063                           | ワッシャ          | 1            |
| 15          | 153          | Nut for 99063                              | ナット           | 2            |
| 16          | 99030        | Thread Guide Bar                           | 糸案内支工棒        | 1            |
| 17          | 99031        | Thread Guide Bar Bracket                   | 支工棒接点         | 1            |
| 18          | 99064        | Thread Guide                               | 糸案内           | 1            |
| 19          | 156          | Screw for 99064                            | 糸案内止ネジ        | 2            |
| 20          | 99065        | Spool Cushion                              | スプールクッション     | 3            |
| 21          | 99066        | Spool Pin                                  | スプール軸         | 3            |
| 22          | 157          | Spring Washer for 99066                    | スプリングワッシャ     | 3            |
| 23          | 99067        | Spool Mat                                  | スプールマット       | 3            |
| 24          | 99068        | Spool Seat Disc                            | 受ケ皿           | 3            |
| 25          | 99069        | Spool Holder Stay                          | スプールホルダ支工     | 1            |
| 26          | 158          | Screw for 99069                            | スプールホルダ支工止ネジ  | 1            |
| 27          | 159          | Wood Screw for 99069                       | 木ネジ           | 1            |
| 28-1        | 99070        | Spool Holder (3 Spools Type)               | スプールホルダ(3本糸用) | 1            |
| 28-2        | 99071        | " " (2 Spools Type)                        | " (2本糸用)      | 2            |

※ Ref. No. 29 to 59 ..... See the following Page.



## THREAD STAND &amp; SUPPORTING BOARD(2)

※ Ref. No. 1 to 28 ..... See the Preceding Page.

| Ref. No. | Parts No. | Description                                            | 品名                    | Amt. Req. |
|----------|-----------|--------------------------------------------------------|-----------------------|-----------|
| 29       | 24089     | Belt Cover (Large) .....                               | ベルトカバー(大) .....       | 1         |
| 30       | 4089      | Screw for 24089 .....                                  | ベルトカバー(大)止ネジ .....    | 1         |
| 31       | 24189     | Pulley Graduations .....                               | プーリ目盛板 .....          | 1         |
| 32       | 24090     | Belt Cover (Small) .....                               | ベルトカバー(小) .....       | 1         |
| 33       | 4635      | Screw for 24090 .....                                  | ベルトカバー(小)止ネジ .....    | 1         |
| 34       | 30080     | Chip Receiver (Semi-submerged only) .....              | 切屑受け(半沈式のみ) .....     | 1         |
| 35       | 21328     | Supporting Board .....                                 | 受け板 .....             | 1         |
| 36       | 160       | Hanging Nut for 21328 .....                            | 吊リナット .....           | 4         |
| 37       | 164       | Hanging Bolt for 21328 (Semi-submerged only) .....     | 吊リボルト(半沈式のみ) .....    | 4         |
| 38-1     | 162       | Washer for 21328 (Semi-submerged) .....                | ワッシャ(半沈式) .....       | 24        |
| 38-2     | 162       | Washer for 21328 (Full-submerged) .....                | ワッシャ(全沈式) .....       | 20        |
| 39-1     | 161       | Nut for 21328 (Semi-submerged) .....                   | ナット(半沈式) .....        | 12        |
| 39-2     | 161       | Nut for 21328 (Full-submerged) .....                   | ナット(全沈式) .....        | 20        |
| 40       | 20064     | Supporting Board Rubber Cushion .....                  | 受け板ゴム座 .....          | 8         |
| 41       | 32421     | Drain Hole Seal for Inner .....                        | リング .....             | 1         |
| 42       | 5076      | Drain Hole Screw for Inner .....                       | 受け板油抜キネジ .....        | 1         |
| 43       | 20068     | Chute (Upper) .....                                    | シュート(上) .....         | 1         |
| 44       | 665       | Washer for 20068 .....                                 | ワッシャ .....            | 2         |
| 45       | 644       | Spring Washer for 20068 .....                          | スプリングワッシャ .....       | 4         |
| 46       | 9860      | Screw for 20068 .....                                  | シュート(上)止ネジ .....      | 2         |
| 47       | 20069     | Shute (Lower) .....                                    | シュート(下) .....         | 1         |
| 48       | 4127      | Screw for 20069 .....                                  | シュート(下)止ネジ .....      | 2         |
| 49       | 15        | Nut for 20068, 20069 .....                             | ナット .....             | 4         |
| 50       | 26266     | Timing Gauge (Extra) .....                             | タイミングゲージ(特注品) .....   | 1         |
| 51       | 163       | Hanging Bolt for 21328 (Full-submerged only) .....     | 吊リボルト(全沈式のみ) .....    | 4         |
| 52       | 165       | Bolt for 20057 (Full-submerged only) .....             | ボルト(全沈式のみ) .....      | 4         |
| 53       | 20057     | Supporting Board Connector (Full-submerged only) ..... | 受け板支工具(全沈式のみ) .....   | 2         |
| 54       | 20045     | Supporting Board Sleeve (Full-submerge only) .....     | 受け板スリーブ(全沈式のみ) .....  | 2         |
| 55       | 20078     | Idler, Complete Set (for Left Footing Pedal) .....     | アイドラ(組)(左足ペダル用) ..... | 1         |
| 56       | 20077     | Idler Support .....                                    | アイドラ取付板 .....         | 1         |
| 57       | 9992      | Screw for 20077 .....                                  | アイドラ取付板止ネジ .....      | 2         |
| 58       | 20076     | Idler .....                                            | アイドラ .....            | 1         |
| 59       | 9995      | Screw for 20076 .....                                  | アトドラ止ネジ .....         | 2         |

## ZF1000 Class List of Main Spare Parts (主要部品リスト)

| Main Parts<br>Models | Needle Bar<br>針 棒 | Needle Clamp<br>針止メ | Presser Foot<br>Complete Set<br>押エ(組) | Presser Foot<br>Hinge<br>押エヒンジ | Presser Foot<br>押 エ | Stitch Plate<br>針 板 |
|----------------------|-------------------|---------------------|---------------------------------------|--------------------------------|---------------------|---------------------|
| ZF1003-03            | 37122             | 62                  | 26296                                 | 26139                          | 26292               | 24228               |
| -03/MU               | 〃                 | 〃                   | 〃                                     | 〃                              | 〃                   | 24239               |
| -04                  | 〃                 | 〃                   | 26297                                 | 〃                              | 26293               | 24229               |
| -04/MU               | 〃                 | 〃                   | 〃                                     | 〃                              | 〃                   | 24240               |
| -05                  | 〃                 | 〃                   | 26298                                 | 〃                              | 26294               | 24230               |
| -05/MU               | 〃                 | 〃                   | 〃                                     | 〃                              | 〃                   | 24241               |
| -06                  | 〃                 | 〃                   | 26299                                 | 〃                              | 26295               | 24231               |
| -06/MU               | 〃                 | 〃                   | 〃                                     | 〃                              | 〃                   | 24244               |
| ZF1020-Y5            | 37372             | 24132               | 26135                                 | 〃                              | 26137               | 24235               |
| -Y5/MU               | 〃                 | 〃                   | 〃                                     | 〃                              | 〃                   | 24237               |
| -Y6                  | 〃                 | 〃                   | 26136                                 | 〃                              | 26138               | 24236               |
| -Y6/MU               | 〃                 | 〃                   | 〃                                     | 〃                              | 〃                   | 24238               |
| -X4                  | 〃                 | 36628               | 26150                                 | 〃                              | 26151               | 24233               |
| -X4/MU               | 〃                 | 〃                   | 〃                                     | 〃                              | 〃                   | 24242               |
| -X4/BT               | 〃                 | 〃                   | 26333                                 | 〃                              | 26334               | 24313               |
| -X5                  | 〃                 | 〃                   | 26149                                 | 〃                              | 26148               | 24234               |
| -X5/MU               | 〃                 | 〃                   | 〃                                     | 〃                              | 〃                   | 24243               |
| ZF1025-Y5            | 〃                 | 24132               | 26280                                 | 〃                              | 26281               | 24237               |
| -Y5/MU               | 〃                 | 〃                   | 〃                                     | 〃                              | 〃                   | 〃                   |
| -Y6                  | 〃                 | 〃                   | 26275                                 | 〃                              | 26274               | 24238               |
| -Y6/MU               | 〃                 | 〃                   | 〃                                     | 〃                              | 〃                   | 〃                   |
| -X4                  | 〃                 | 36628               | 26284                                 | 〃                              | 26285               | 24242               |
| -X4/MU               | 〃                 | 〃                   | 〃                                     | 〃                              | 〃                   | 〃                   |
| -X5                  | 〃                 | 〃                   | 26273                                 | 〃                              | 26272               | 24243               |
| -X5/MU               | 〃                 | 〃                   | 〃                                     | 〃                              | 〃                   | 〃                   |
| ZF1026-Y5            | 〃                 | 24132               | 26230                                 | 〃                              | 26232               | 24237               |
| -Y5/MU               | 〃                 | 〃                   | 〃                                     | 〃                              | 〃                   | 〃                   |
| -Y5/TG               | 〃                 | 〃                   | 〃                                     | 〃                              | 〃                   | 26222               |
| -Y6                  | 〃                 | 〃                   | 26231                                 | 〃                              | 26233               | 24238               |
| -Y6/MU               | 〃                 | 〃                   | 〃                                     | 〃                              | 〃                   | 〃                   |
| -Y6/TG               | 〃                 | 〃                   | 〃                                     | 〃                              | 〃                   | 26224               |
| -X4                  | 〃                 | 36628               | 26269                                 | 〃                              | 26268               | 24242               |
| -X4/MU               | 〃                 | 〃                   | 〃                                     | 〃                              | 〃                   | 〃                   |
| -X5                  | 〃                 | 〃                   | 26339                                 | 〃                              | 26338               | 24243               |
| -X5/MU               | 〃                 | 〃                   | 〃                                     | 〃                              | 〃                   | 〃                   |
| ZR1020-Y5            | 〃                 | 24132               | 26502                                 | 26501                          | 26500               | 24235               |
| -Y6                  | 〃                 | 〃                   | 26503                                 | 〃                              | 〃                   | 24236               |
|                      |                   |                     |                                       |                                |                     |                     |
|                      |                   |                     |                                       |                                |                     |                     |
|                      |                   |                     |                                       |                                |                     |                     |

Note : Indication of "DF" and "DA" have been omitted in the unnumbering on the above list.

上記リストの全モデルの型式表示は "DA" "DF" の記号を省略しております。

| Differential<br>Feed Dog | Main<br>Feed Dog | Auxiliary<br>Feed Dog | Top<br>Feed Dog | Upper<br>Looper | Lower<br>Looper | Needle<br>Guard<br>(Front) |
|--------------------------|------------------|-----------------------|-----------------|-----------------|-----------------|----------------------------|
| 前送り                      | 後送り              | 小送り                   | 上送り             | 上ルーパー           | 下ルーパー           | 針受ケ(前)                     |
| 24180                    | 21842            | 21009                 | 26511           | 27012           | 21701           | 24061                      |
| 〃                        | 〃                | 22956                 | 〃               | 〃               | 〃               | 〃                          |
| 〃                        | 〃                | 21009                 | 〃               | 〃               | 〃               | 〃                          |
| 〃                        | 〃                | 22956                 | 〃               | 〃               | 〃               | 〃                          |
| 24182                    | 〃                | 21009                 | 26510           | 〃               | 〃               | 〃                          |
| 〃                        | 〃                | 22956                 | 〃               | 〃               | 〃               | 〃                          |
| 〃                        | 〃                | 21009                 | 〃               | 〃               | 〃               | 〃                          |
| 〃                        | 〃                | 22956                 | 〃               | 〃               | 〃               | 〃                          |
| 〃                        | 〃                | 21009                 | 〃               | 21700           | 〃               | 21105                      |
| 〃                        | 〃                | 22956                 | 〃               | 〃               | 〃               | 〃                          |
| 〃                        | 〃                | 21009                 | 〃               | 〃               | 〃               | 〃                          |
| 〃                        | 〃                | 22956                 | 〃               | 〃               | 〃               | 〃                          |
| 24199                    | 〃                | 21009                 | 26511           | 〃               | 〃               | 21238                      |
| 〃                        | 〃                | 22956                 | 〃               | 〃               | 〃               | 〃                          |
| 24310                    | 23171            | 21009                 | 〃               | 〃               | 〃               | 〃                          |
| 24199                    | 21842            | 〃                     | 〃               | 〃               | 〃               | 〃                          |
| 〃                        | 〃                | 22956                 | 〃               | 〃               | 〃               | 〃                          |
| 24182                    | 〃                | 〃                     | 26510           | 〃               | 〃               | 21105                      |
| 〃                        | 〃                | 〃                     | 〃               | 〃               | 〃               | 〃                          |
| 〃                        | 〃                | 〃                     | 〃               | 〃               | 〃               | 〃                          |
| 〃                        | 〃                | 〃                     | 〃               | 〃               | 〃               | 〃                          |
| 24199                    | 〃                | 〃                     | 26511           | 〃               | 〃               | 21238                      |
| 〃                        | 〃                | 〃                     | 〃               | 〃               | 〃               | 〃                          |
| 〃                        | 〃                | 〃                     | 〃               | 〃               | 〃               | 〃                          |
| 〃                        | 〃                | 〃                     | 〃               | 〃               | 〃               | 〃                          |
| 24182                    | 〃                | 〃                     | 26512           | 〃               | 〃               | 21105                      |
| 〃                        | 〃                | 〃                     | 〃               | 〃               | 〃               | 〃                          |
| 26223                    | 〃                | 〃                     | 26517           | 〃               | 〃               | 〃                          |
| 24182                    | 〃                | 〃                     | 26512           | 〃               | 〃               | 〃                          |
| 〃                        | 〃                | 〃                     | 〃               | 〃               | 〃               | 〃                          |
| 26223                    | 〃                | 〃                     | 26517           | 〃               | 〃               | 〃                          |
| 24199                    | 〃                | 〃                     | 26512           | 〃               | 〃               | 21238                      |
| 〃                        | 〃                | 〃                     | 〃               | 〃               | 〃               | 〃                          |
| 〃                        | 〃                | 〃                     | 〃               | 〃               | 〃               | 〃                          |
| 〃                        | 〃                | 〃                     | 〃               | 〃               | 〃               | 〃                          |
| 24182                    | 〃                | 21009                 | 26505           | 〃               | 〃               | 21105                      |
| 〃                        | 〃                | 〃                     | 〃               | 〃               | 〃               | 〃                          |
|                          |                  |                       |                 |                 |                 |                            |
|                          |                  |                       |                 |                 |                 |                            |
|                          |                  |                       |                 |                 |                 |                            |

List of Extra Spare Parts (特注部品リスト)

○Feed Dogs Plated with rubber  
○ラバー送り

○for Small Type Presser Foot  
○小型押エ用

| Main Parts<br>Models | Top Feed Dog |       | Differential Feed Dog | Main Feed Dog |  |
|----------------------|--------------|-------|-----------------------|---------------|--|
|                      | 上送り          | 後送り   | 前送り                   | 後送り           |  |
| ZF1003-03            | 26128        | 23342 | 23340                 | 23342         |  |
| -04                  | 〃            | 〃     | 〃                     | 〃             |  |
| -05                  | 26127        | 〃     | 23341                 | 〃             |  |
| -06                  | 〃            | 〃     | 〃                     | 〃             |  |
| ZF1020-Y5            | 〃            | 〃     | 〃                     | 〃             |  |
| -Y6                  | 〃            | 〃     | 〃                     | 〃             |  |
| -X4                  | 26128        | 〃     | 24222                 | 〃             |  |
|                      |              |       |                       |               |  |
|                      |              |       |                       |               |  |

| Main Parts<br>Models | Presser Foot Complete Set |       | Presser Foot Hinge | Presser Foot |       | Top Feed Dog (with Rubber) |
|----------------------|---------------------------|-------|--------------------|--------------|-------|----------------------------|
|                      | 押エ(組)                     | 押エ    |                    | 押エ           | 上送り   |                            |
| ZF1003-03            | 26355                     | 26354 | 26358              | 26354        | 26514 | 26130                      |
| -04                  | 26357                     | 26356 | 〃                  | 26356        | 〃     | 〃                          |
| ZF1020-Y5            | 26341                     | 26340 | 〃                  | 26340        | 26513 | 26129                      |
| -Y6                  | 26343                     | 26342 | 〃                  | 26342        | 〃     | 〃                          |
| -X4                  | 26347                     | 26346 | 〃                  | 26346        | 〃     | 〃                          |
| ZF1026-Y5            | 26349                     | 26348 | 〃                  | 26348        | 〃     | 〃                          |
| -Y6                  | 26351                     | 26350 | 〃                  | 26350        | 〃     | 〃                          |
| -X4                  | 26353                     | 26352 | 〃                  | 26352        | 〃     | 〃                          |
|                      |                           |       |                    |              |       |                            |
|                      |                           |       |                    |              |       |                            |

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| Parts No. | Page No. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 2         | 27       | 9        | 0.1        |
| 2         | 29       | 14       | 0.1        |
| 9         | 24       | 17       | 1          |
| 9         | 25       | 5        | 1          |
| 11        | 24       | 11       | 2.2        |
| 15        | 16       | 48       | 0.7        |
| 15        | 38       | 49       | 0.7        |
| 21        | 31       | 24       | —          |
| 21        | 32       | 24       | —          |
| 21        | 36       | 24       | —          |
| 23        | 24       | 34       | —          |
| 23        | 25       | 39       | —          |
| 23        | 27       | 33       | —          |
| 62        | 17       | 12       | 1          |
| 147       | 38       | 5        | 4          |
| 148       | 38       | 6        | 0.5        |
| 149       | 38       | 8        | 1.5        |
| 150       | 38       | 9        | 0.8        |
| 151       | 38       | 11       | 4.5        |
| 152       | 38       | 12       | 1.5        |
| 153       | 38       | 15       | 1          |
| 154       | 38       | 14       | 5          |
| 156       | 38       | 19       | 1          |
| 157       | 38       | 22       | 0.7        |
| 158       | 38       | 26       | 2          |
| 159       | 38       | 27       | 3          |
| 160       | 38       | 36       | 22.5       |
| 161       | 38       | 39-1     | 5.5        |
| 161       | 38       | 39-2     | 5.5        |
| 162       | 38       | 38-1     | 3.9        |
| 162       | 38       | 38-2     | 3.9        |
| 163       | 38       | 51       | 51         |
| 164       | 38       | 37       | 27         |
| 165       | 38       | 52       | 21.5       |
| 170       | 6        | 39       | 0.25       |
| 171       | 12       | 27       | —          |
| 172       | 19       | 22       | 0.2        |
| 177       | 4        | 8        | 0.06       |
| 177       | 31       | 39       | 0.06       |
| 177       | 32       | 39       | 0.06       |
| 177       | 36       | 39       | 0.06       |
| 178       | 4        | 6        | 0.3        |
| 178       | 31       | 38       | 0.3        |
| 178       | 32       | 38       | 0.3        |
| 178       | 36       | 38       | 0.3        |
| 180       | 16       | 43       | 0.2        |
| 181       | 14       | 55       | 13         |
| 184       | 1        | 38       | 3.2        |
| 185       | 14       | 51       | 13         |
| 186       | 9        | 13       | 1          |
| 186       | 14       | 53       | 1          |
| 187       | 25       | 13       | 0.03       |
| 187       | 26       | 11       | 0.03       |
| 187       | 28       | 11       | 0.03       |
| 192       | 14       | 31       | 0.5        |

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| Parts No. | Page NO. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 193       | 14       | 9        | 0.3        |
| 198       | 4        | 48       | 0.5        |
| 199       | 5        | 39       | 1          |
| 223       | 15       | 5        | —          |
| 224       | 5        | 36       | —          |
| 235       | 16       | 4        | —          |
| 241       | 16       | 5        | —          |
| 242       | 9        | 10       | —          |
| 265       | 12       | 28       | —          |
| 278       | 5        | 35       | 0.03       |
| 278       | 6        | 14       | 0.03       |
| 278       | 12       | 22       | 0.03       |
| 280       | 9        | 24       | —          |
| 286       | 31       | 6        | 0.1        |
| 286       | 32       | 6        | 0.1        |
| 286       | 36       | 6        | 0.1        |
| 290       | 5        | 38       | 0.01       |
| 306       | 23       | 4        | 1.3        |
| 321       | 16       | 31       | 0.01       |
| 322       | 4        | 23       | 0.3        |
| 322       | 8        | 14       | 0.3        |
| 325       | 5        | 34       | 1          |
| 330       | 31       | 28       | 0.5        |
| 330       | 32       | 28       | 0.5        |
| 330       | 36       | 28       | 0.5        |
| 331       | 31       | 31       | 0.6        |
| 331       | 32       | 31       | 0.6        |
| 331       | 36       | 31       | 0.6        |
| 334       | 9        | 3        | 0.6        |
| 334       | 11       | 14       | 0.6        |
| 334       | 19       | 24       | 0.6        |
| 334       | 20       | 16       | 0.6        |
| 334       | 23       | 16       | 0.6        |
| 334       | 26       | 12       | 0.6        |
| 334       | 28       | 12       | 0.6        |
| 335       | 1        | 17       | 0.8        |
| 335       | 8        | 31       | 0.8        |
| 335       | 27       | 22       | 0.8        |
| 335       | 34       | 7        | 0.8        |
| 340       | 4        | 11       | 0.5        |
| 340       | 14       | 59       | 0.5        |
| 340       | 31       | 12       | 0.5        |
| 340       | 32       | 12       | 0.5        |
| 340       | 36       | 12       | 0.5        |
| 355       | 21       | 29       | 0.85       |
| 361       | 35       | 20       | 0.5        |
| 376       | 16       | 57       | —          |
| 377       | 6        | 40       | —          |
| 388       | 14       | 22       | —          |
| 396       | 2        | 26       | 1          |
| 396       | 9        | 21       | 1          |
| 400       | 21       | 37       | —          |
| 419       | 16       | 10       | 1          |

| Parts No. | Page No. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 427       | 24       | 10       | —          |
| 444       | 4        | 37       | 0.09       |
| 449       | 11       | 2        | —          |
| 451       | 14       | 12       | 1.5        |
| 488       | 27       | 10       | —          |
| 488       | 29       | 15       | —          |
| 494       | 24       | 5        | 2.55       |
| 496       | 31       | 33       | 1          |
| 496       | 32       | 33       | 1          |
| 496       | 36       | 33       | 1          |
| 507       | 12       | 14       | —          |
| 520       | 6        | 5        | 0.3        |
| 520       | 7        | 6        | 0.3        |
| 520       | 12       | 19       | 0.3        |
| 520       | 13       | 17       | 0.3        |
| 520       | 14       | 6        | 0.3        |
| 520       | 14       | 58       | 0.3        |
| 525       | 2        | 11       | 0.1        |
| 526       | 5        | 32       | 0.04       |
| 528       | 1        | 5        | 1.85       |
| 531       | 24       | 7        | 0.3        |
| 532       | 1        | 15       | 0.3        |
| 532       | 4        | 41       | 0.3        |
| 532       | 7        | 17       | 0.3        |
| 532       | 30       | 11       | 0.3        |
| 532       | 34       | 19       | 0.3        |
| 533       | 11       | 33       | 0.3        |
| 538       | 9        | 7        | 0.4        |
| 538       | 16       | 22       | 0.4        |
| 538       | 24       | 32       | 0.4        |
| 538       | 25       | 37       | 0.4        |
| 538       | 26       | 4        | 0.4        |
| 538       | 27       | 13       | 0.4        |
| 538       | 28       | 4        | 0.4        |
| 538       | 29       | 23       | 0.4        |
| 538       | 30       | 7        | 0.4        |
| 538       | 34       | 11       | 0.4        |
| 542       | 16       | 2        | 0.3        |
| 547       | 21       | 8        | 1          |
| 550       | 3        | 31       | 0.03       |
| 550       | 27       | 19       | 0.03       |
| 550       | 34       | 4        | 0.03       |
| 553       | 18       | 22       | —          |
| 555       | 23       | 9        | 2          |
| 561       | 14       | 57       | 0.5        |
| 562       | 21       | 41       | 1          |
| 567       | 6        | 35       | 0.07       |
| 567       | 16       | 16       | 0.07       |
| 568       | 26       | 17       | 0.13       |
| 568       | 28       | 17       | 0.13       |
| 613       | 9        | 9        | 1          |
| 621       | 21       | 33       | —          |
| 629       | 5        | 12       | —          |

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| Parts No. | Page No. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 636       | 13       | 7        | 0.02       |
| 637       | 6        | 8        | 0.07       |
| 637       | 12       | 9        | 0.07       |
| 637       | 14       | 23       | 0.07       |
| 637       | 16       | 6        | 0.07       |
| 638       | 12       | 5        | 0.16       |
| 638       | 13       | 11       | 0.16       |
| 638       | 16       | 17       | 0.16       |
| 639       | 6        | 10       | 0.21       |
| 639       | 7        | 11       | 0.21       |
| 639       | 14       | 19       | 0.21       |
| 644       | 38       | 45       | 0.8        |
| 644       | 4        | 22       | 0.8        |
| 644       | 24       | 33       | 0.8        |
| 644       | 25       | 38       | 0.8        |
| 644       | 26       | 7        | 0.8        |
| 644       | 27       | 32       | 0.8        |
| 644       | 28       | 7        | 0.8        |
| 651       | 16       | 18       | 0.98       |
| 661       | 24       | 2        | —          |
| 661       | 25       | 24       | —          |
| 665       | 38       | 44       | —          |
| 669       | 25       | 4        | —          |
| 687       | 11       | 42       | 0.1        |
| 687       | 14       | 17       | 0.1        |
| 688       | 13       | 26       | —          |
| 726       | 2        | 22       | 0.04       |
| 740       | 5        | 11       | 0.1        |
| 755       | 11       | 13       | 0.2        |
| 755       | 14       | 10       | 0.2        |
| 760       | 3        | 45       | —          |
| 916       | 2        | 5        | —          |
| 1047      | 2        | 24       | —          |
| 1095      | 4        | 31       | —          |
| 1110      | 11       | 28       | —          |
| 1112      | 11       | 12       | —          |
| 1113      | 10       | 29       | —          |
| 1115      | 11       | 25       | —          |
| 1116      | 11       | 17       | —          |
| 1117      | 10       | 33       | —          |
| 1132      | 1        | 27       | 1.3        |
| 1156      | 6        | 26       | 2.2        |
| 1156      | 26       | 21       | 2.2        |
| 1156      | 28       | 2        | 2.2        |
| 1170      | 1        | 18       | 0.1        |
| 1170      | 5        | 18       | 0.1        |
| 1175      | 21       | 46       | 0.92       |
| 1175      | 35       | 23       | 0.92       |
| 1186      | 6        | 18       | 1          |
| 1196      | 20       | 45       | 0.5        |
| 1202      | 2        | 46       | 0.8        |
| 1202      | 3        | 22       | 0.8        |
| 1202      | 8        | 17       | 0.8        |

| Parts No. | Page No. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 1202      | 9        | 5        | 0.8        |
| 1202      | 16       | 8        | 0.8        |
| 1202      | 20       | 33       | 0.8        |
| 1202      | 27       | 3        | 0.8        |
| 1202      | 29       | 3        | 0.8        |
| 1202      | 30       | 14       | 0.8        |
| 1203      | 3        | 10       | 0.1        |
| 1203      | 29       | 36       | 0.1        |
| 1203      | 30       | 15       | 0.1        |
| 1203      | 34       | 14       | 0.1        |
| 1208      | 6        | 44       | 0.6        |
| 1223      | 2        | 21       | 0.55       |
| 1223      | 3        | 8        | 0.55       |
| 1223      | 8        | 13       | 0.55       |
| 1227      | 4        | 38       | 0.3        |
| 1227      | 19       | 30       | 0.3        |
| 1228      | 2        | 19       | 0.2        |
| 1228      | 4        | 27       | 0.2        |
| 1228      | 8        | 8        | 0.2        |
| 1230      | 10       | 31       | 0.2        |
| 1326      | 4        | 35       | 1          |
| 1330      | 2        | 42       | 0.6        |
| 1330      | 4        | 42       | 0.6        |
| 1331      | 2        | 40       | —          |
| 1331      | 19       | 19       | —          |
| 1331      | 22       | 5        | —          |
| 1435      | 11       | 15       | —          |
| 1457      | 12       | 8        | 0.59       |
| 1459      | 1        | 11       | 0.1        |
| 1459      | 2        | 32       | 0.1        |
| 1459      | 5        | 6        | 0.1        |
| 1459      | 21       | 12       | 0.1        |
| 1892      | 29       | 20       | 0.1        |
| 1923      | 24       | 21       | 1.15       |
| 1923      | 25       | 27       | 1.15       |
| 1923      | 35       | 21       | 1.15       |
| 2022      | 11       | 40       | 1          |
| 2404      | 4        | 49       | —          |
| 3312      | 26       | 15       | —          |
| 3312      | 28       | 15       | —          |
| 3313      | 6        | 15       | 0.1        |
| 3313      | 12       | 23       | 0.1        |
| 3348      | 20       | 46       | 1          |
| 3405      | 15       | 18       | 0.1        |
| 3434      | 5        | 16       | 0.4        |
| 3436      | 8        | 11       | 0.6        |
| 3436      | 15       | 19       | 0.6        |
| 3632      | 6        | 46       | 1.7        |
| 3632      | 15       | 2        | 1.7        |
| 3635      | 2        | 2        | 0.9        |
| 3635      | 8        | 35       | 0.9        |
| 3635      | 10       | 5        | 0.9        |
| 3635      | 14       | 24       | 0.9        |
| 3635      | 15       | 6        | 0.9        |

| Parts No. | Page No. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 3636      | 5        | 31       | 2.5        |
| 3637      | 2        | 57       | 0.1        |
| 3637      | 6        | 21       | 0.1        |
| 3637      | 8        | 4        | 0.1        |
| 3637      | 9        | 26       | 0.1        |
| 3637      | 10       | 34       | 0.1        |
| 3637      | 11       | 21       | 0.1        |
| 3637      | 17       | 20       | 0.1        |
| 3637      | 18       | 5        | 0.1        |
| 3637      | 19       | 5        | 0.1        |
| 3637      | 21       | 10       | 0.1        |
| 3637      | 26       | 27       | 0.1        |
| 3637      | 28       | 27       | 0.1        |
| 3637      | 35       | 5        | 0.1        |
| 3637      | 37       | 14       | 0.1        |
| 3638      | 5        | 9        | 0.5        |
| 3638      | 6        | 7        | 0.5        |
| 3638      | 7        | 26       | 0.5        |
| 3638      | 8        | 33       | 0.5        |
| 3638      | 10       | 12       | 0.5        |
| 3638      | 12       | 43       | 0.5        |
| 3638      | 13       | 20       | 0.5        |
| 3638      | 15       | 31       | 0.5        |
| 3638      | 19       | 15       | 0.5        |
| 3638      | 21       | 15       | 0.5        |
| 3646      | 23       | 18       | 0.9        |
| 3654      | 5        | 19       | 3.5        |
| 3791      | 23       | 20       | —          |
| 4089      | 38       | 30       | —          |
| 4094      | 9        | 11       | —          |
| 4095      | 37       | 9        | —          |
| 4097      | 8        | 47       | —          |
| 4099      | 15       | 29       | —          |
| 4100      | 14       | 38       | 3          |
| 4103      | 8        | 24       | 13.5       |
| 4104      | 17       | 9        | 2          |
| 4105      | 17       | 6        | 0.3        |
| 4106      | 7        | 18       | 1.1        |
| 4106      | 7        | 20       | 1.1        |
| 4106      | 11       | 34       | 1.1        |
| 4107      | 8        | 21       | 3          |
| 4108      | 16       | 37       | 0.4        |
| 4109      | 15       | 27       | 0.4        |
| 4110      | 14       | 47       | 4.6        |
| 4111      | 14       | 56       | 4          |
| 4115      | 16       | 38       | 6.7        |
| 4116      | 16       | 42       | 1          |
| 4118      | 14       | 46       | 0.6        |
| 4123      | 5        | 2        | 1.5        |
| 4124      | 16       | 15       | 4          |
| 4126      | 16       | 54       | 5.3        |
| 4127      | 38       | 48       | 0.8        |
| 4130      | 13       | 23       | 0.6        |
| 4139      | 15       | 16       | —          |

| Parts No. | Page No. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 4141      | 8        | 45       | 0.16       |
| 4141      | 17       | 24       | 0.16       |
| 4141      | 19       | 9        | 0.16       |
| 4141      | 35       | 9        | 0.16       |
| 4142      | 18       | 9        | —          |
| 4143      | 14       | 44       | 2.5        |
| 4144      | 12       | 34       | 0.28       |
| 4145      | 3        | 27       | 2          |
| 4146      | 14       | 50       | 5.85       |
| 4150      | 19       | 23       | 0.46       |
| 4169      | 26       | 35       | —          |
| 4169      | 28       | 35       | —          |
| 4185      | 30       | 4        | —          |
| 4185      | 34       | 33       | —          |
| 4205      | 35       | 18       | —          |
| 4209      | 8        | 1        | —          |
| 4213      | 1        | 26       | —          |
| 4236      | 20       | 32       | 0.34       |
| 4237      | 21       | 34       | 0.2        |
| 4237      | 37       | 18       | 0.2        |
| 4265      | 4        | 9        | —          |
| 4270      | 11       | 9        | —          |
| 4272      | 11       | 1        | —          |
| 4312      | 31       | 30       | 0.58       |
| 4312      | 32       | 30       | 0.58       |
| 4312      | 36       | 30       | 0.58       |
| 4313      | 6        | 16       | 0.4        |
| 4351      | 3        | 44       | 0.9        |
| 4351      | 8        | 50       | 0.9        |
| 4351      | 9        | 23       | 0.9        |
| 4351      | 17       | 18       | 0.9        |
| 4351      | 18       | 3        | 0.9        |
| 4351      | 19       | 3        | 0.9        |
| 4351      | 35       | 3        | 0.9        |
| 4351      | 37       | 3        | 0.9        |
| 4352      | 8        | 30       | 1.3        |
| 4352      | 27       | 21       | 1.3        |
| 4352      | 34       | 6        | 1.3        |
| 4353      | 1        | 4        | 0.9        |
| 4353      | 4        | 50       | 0.9        |
| 4353      | 11       | 44       | 0.9        |
| 4353      | 15       | 12       | 0.9        |
| 4353      | 21       | 19       | 0.9        |
| 4353      | 23       | 3        | 0.9        |
| 4353      | 30       | 12       | 0.9        |
| 4353      | 34       | 16       | 0.9        |
| 4358      | 1        | 16       | 0.9        |
| 4358      | 12       | 36       | 0.9        |
| 4358      | 20       | 37       | 0.9        |
| 4358      | 22       | 13       | 0.9        |
| 4358      | 26       | 5        | 0.9        |
| 4358      | 28       | 5        | 0.9        |
| 4358      | 30       | 2        | 0.9        |
| 4358      | 31       | 16       | 0.9        |
| 4358      | 32       | 16       | 0.9        |

| Page No. | Page No. | Ref. No. | Weight (g) |
|----------|----------|----------|------------|
| 4358     | 34       | 31       | 0.9        |
| 4358     | 36       | 16       | 0.9        |
| 4404     | 6        | 31       | 0.25       |
| 4404     | 17       | 4        | 0.25       |
| 4404     | 26       | 32       | 0.25       |
| 4404     | 28       | 32       | 0.25       |
| 4404     | 30       | 18       | 0.25       |
| 4404     | 34       | 23       | 0.25       |
| 4406     | 3        | 17       | 1.18       |
| 4406     | 3        | 30       | 1.18       |
| 4406     | 10       | 10       | 1.18       |
| 4410     | 12       | 4        | 2          |
| 4410     | 15       | 24       | 2          |
| 4435     | 3        | 49       | 1.05       |
| 4437     | 3        | 12       | 1.5        |
| 4437     | 13       | 8        | 1.5        |
| 4440     | 1        | 23       | 1.5        |
| 4440     | 2        | 49       | 1.5        |
| 4440     | 3        | 20       | 1.5        |
| 4440     | 6        | 41       | 1.5        |
| 4440     | 7        | 28       | 1.5        |
| 4440     | 9        | 17       | 1.5        |
| 4440     | 15       | 41       | 1.5        |
| 4440     | 16       | 3        | 1.5        |
| 4440     | 18       | 16       | 1.5        |
| 4440     | 21       | 14       | 1.5        |
| 4440     | 27       | 14       | 1.5        |
| 4440     | 29       | 24       | 1.5        |
| 4440     | 34       | 12       | 1.5        |
| 4445     | 2        | 16       | 2          |
| 4445     | 27       | 18       | 2          |
| 4445     | 34       | 5        | 2          |
| 4446     | 9        | 2        | —          |
| 4540     | 21       | 39       | —          |
| 4541     | 21       | 32       | —          |
| 4542     | 21       | 24       | —          |
| 4591     | 7        | 23       | 2.4        |
| 4635     | 38       | 33       | 4          |
| 5000     | 2        | 36       | 0.62       |
| 5000     | 4        | 25       | 0.62       |
| 5000     | 21       | 26       | 0.62       |
| 5004     | 16       | 44       | 2.3        |
| 5036     | 13       | 25       | 0.6        |
| 5036     | 19       | 27       | 0.6        |
| 5036     | 20       | 31       | 0.6        |
| 5038     | 9        | 14       | 2          |
| 5038     | 14       | 54       | 2          |
| 5040     | 20       | 12       | 2          |
| 5043     | 3        | 2        | 1.76       |
| 5043     | 30       | 8        | 1.76       |
| 5043     | 31       | 14       | 1.76       |
| 5043     | 32       | 14       | 1.76       |
| 5043     | 34       | 28       | 1.76       |
| 5043     | 36       | 14       | 1.76       |
| 5044     | 8        | 43       | —          |

| Parts No. | Page No. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 5055      | 15       | 37       | —          |
| 5065      | 11       | 23       | —          |
| 5070      | 6        | 2        | 5          |
| 5070      | 7        | 2        | 5          |
| 5070      | 12       | 2        | 5          |
| 5070      | 13       | 2        | 5          |
| 5071      | 10       | 2        | —          |
| 5075      | 2        | 10       | 10         |
| 5076      | 1        | 29       | 8          |
| 5076      | 38       | 42       | 8          |
| 5078      | 3        | 46       | —          |
| 5083      | 2        | 4        | 3.85       |
| 5087      | 30       | 9        | 4          |
| 5087      | 34       | 17       | 4          |
| 5089      | 1        | 9        | 4          |
| 5094      | 3        | 34       | 1.7        |
| 5098      | 26       | 23       | 1.5        |
| 5098      | 28       | 23       | 1.5        |
| 5108      | 1        | 37       | 6          |
| 5108      | 12       | 15       | 6          |
| 5108      | 13       | 15       | 6          |
| 5118      | 8        | 56       | 4.2        |
| 5121      | 23       | 27       | —          |
| 5127      | 26       | 10       | —          |
| 5127      | 28       | 10       | —          |
| 5128      | 31       | 23       | —          |
| 5128      | 32       | 23       | —          |
| 5128      | 36       | 23       | —          |
| 5310      | 2        | 54       | —          |
| 5343      | 2        | 13       | 0.78       |
| 5345      | 3        | 28       | 0.9        |
| 5345      | 6        | 24       | 0.9        |
| 5500      | 13       | 18       | 5          |
| 5505      | 20       | 17       | 2.1        |
| 5512      | 14       | 36       | 1          |
| 5520      | 6        | 4        | 5          |
| 5520      | 7        | 7        | 5          |
| 5520      | 10       | 7        | 5          |
| 5520      | 14       | 7        | 5          |
| 5522      | 12       | 20       | 10         |
| 5542      | 3        | 13       | —          |
| 5550      | 7        | 10       | 3          |
| 5550      | 8        | 29       | 3          |
| 5550      | 11       | 7        | 3          |
| 5550      | 12       | 11       | 3          |
| 5550      | 14       | 2        | 3          |
| 5550      | 24       | 13       | 3          |
| 6004      | 21       | 7        | 3          |
| 6035      | 4        | 21       | 1.3        |
| 6038      | 21       | 5        | —          |
| 6068      | 26       | 18       | 2.5        |
| 6068      | 28       | 18       | 2.5        |
| 6075      | 23       | 14       | 2.5        |

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| Parts No. | Page No. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 6092      | 31       | 27       | 2          |
| 6092      | 32       | 27       | 2          |
| 6092      | 36       | 27       | 2          |
| 6094      | 8        | 19       | 0.5        |
| 6230      | 24       | 15       | —          |
| 6816      | 1        | 36       | 6.5        |
| 6905      | 20       | 3        | 2          |
| 6910      | 23       | 8        | 5          |
| 6910      | 24       | 26       | 5          |
| 6910      | 25       | 6        | 5          |
| 6010      | 27       | 28       | 5          |
| 6910      | 30       | 23       | 5          |
| 6910      | 34       | 26       | 5          |
| 7006      | 1        | 20       | 0.7        |
| 7006      | 2        | 29       | 0.7        |
| 7128      | 4        | 12       | 0.8        |
| 7311      | 12       | 41       | 1.9        |
| 7405      | 7        | 15       | 1.2        |
| 7405      | 18       | 23       | 1.2        |
| 7601      | 15       | 32       | —          |
| 7609      | 10       | 36       | 1.15       |
| 7609      | 15       | 8        | 1.15       |
| 7609      | 20       | 43       | 1.15       |
| 7609      | 22       | 8        | 1.15       |
| 7616      | 2        | 52       | 0.36       |
| 7616      | 14       | 33       | 0.36       |
| 7616      | 20       | 39       | 0.36       |
| 7619      | 4        | 45       | 0.34       |
| 7619      | 16       | 23       | 0.34       |
| 7621      | 16       | 29       | —          |
| 7623      | 26       | 37       | —          |
| 7623      | 28       | 37       | —          |
| 7645      | 5        | 13       | 0.4        |
| 7650      | 1        | 7        | 0.35       |
| 7668      | 16       | 55       | 4          |
| 7904      | 31       | 8        | 5          |
| 7904      | 32       | 8        | 5          |
| 7904      | 36       | 8        | 5          |
| 7906      | 4        | 14       | —          |
| 8101      | 13       | 3        | 1.6        |
| 9121      | 2        | 44       | 0.6        |
| 9121      | 13       | 22       | 0.6        |
| 9127      | 31       | 11       | 1.1        |
| 9127      | 32       | 11       | 1.1        |
| 9127      | 36       | 11       | 1.1        |
| 9143      | 1        | 14       | 0.4        |
| 9143      | 20       | 48       | 0.4        |
| 9143      | 27       | 25       | 0.4        |
| 9143      | 29       | 28       | 0.4        |
| 9150      | 1        | 32       | 2          |
| 9150      | 9        | 8        | 2          |
| 9150      | 16       | 34       | 2          |
| 9150      | 19       | 31       | 2          |

| Parts No. | Page No. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 9150      | 21       | 28       | 2          |
| 9150      | 24       | 23       | 2          |
| 9150      | 25       | 29       | 2          |
| 9150      | 26       | 36       | 2          |
| 9150      | 28       | 36       | 2          |
| 9303      | 23       | 13       | —          |
| 9503      | 8        | 6        | 1          |
| 9503      | 11       | 4        | 1          |
| 9508      | 7        | 4        | 1          |
| 9508      | 12       | 30       | 1          |
| 9508      | 23       | 26       | 1          |
| 9526      | 11       | 18       | 0.2        |
| 9533      | 8        | 15       | —          |
| 9604      | 11       | 32       | 0.9        |
| 9604      | 13       | 10       | 0.9        |
| 9604      | 14       | 40       | 0.9        |
| 9624      | 14       | 29       | 0.4        |
| 9730      | 2        | 56       | 0.6        |
| 9730      | 15       | 10       | 0.6        |
| 9730      | 37       | 5        | 0.6        |
| 9843      | 31       | 41       | —          |
| 9853      | 2        | 38       | 1.6        |
| 9853      | 3        | 40       | 1.6        |
| 9853      | 4        | 18       | 1.6        |
| 9853      | 13       | 5        | 1.6        |
| 9853      | 15       | 34       | 1.6        |
| 9853      | 21       | 3        | 1.6        |
| 9859      | 23       | 22       | —          |
| 9860      | 38       | 46       | —          |
| 9888      | 26       | 41       | —          |
| 9888      | 28       | 41       | —          |
| 9890      | 25       | 22       | —          |
| 9909      | 6        | 36       | 2          |
| 9909      | 16       | 45       | 2          |
| 9922      | 24       | 3        | —          |
| 9922      | 25       | 25       | —          |
| 9930      | 14       | 49       | 6          |
| 9931      | 3        | 42       | 2.8        |
| 9932      | 18       | 18       | 0.93       |
| 9937      | 25       | 11       | —          |
| 9944      | 3        | 32       | —          |
| 9973      | 25       | 3        | —          |
| 9989      | 16       | 47       | 1          |
| 9992      | 26       | 8        | 2          |
| 9992      | 28       | 8        | 2          |
| 9992      | 38       | 57       | 2          |
| 9993      | 27       | 6        | 2.5        |
| 9993      | 24       | 8        | 2.5        |
| 9993      | 29       | 11       | 2.5        |
| 9994      | 31       | 20       | 0.25       |
| 9994      | 32       | 20       | 0.25       |
| 9994      | 36       | 20       | 0.25       |
| 9995      | 27       | 8        | 0.4        |
| 9995      | 29       | 13       | 0.4        |
| 9995      | 31       | 22       | 0.4        |

| Parts No. | Page No. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 9995      | 32       | 22       | 0.4        |
| 9995      | 36       | 22       | 0.4        |
| 9995      | 38       | 59       | 0.4        |
| 10008     | 25       | 16       | —          |
| 10018     | 25       | 12       | —          |
| 10032     | 25       | 15       | —          |
| 10054     | 25       | 14       | —          |
| 10055     | 25       | 9        | —          |
| 10073     | 25       | 1        | —          |
| 10078     | 25       | 7        | —          |
| 10100     | 20       | 4        | 117        |
| 10100     | 29       | 34       | 117        |
| 10120     | 25       | 10       | —          |
| 10564     | 24       | 31       | —          |
| 10564     | 25       | 36       | —          |
| 10565     | 24       | 29       | —          |
| 10565     | 25       | 34       | —          |
| 10571     | 24       | 9        | —          |
| 11244     | 30       | 13       | —          |
| 11245     | 26       | 6        | —          |
| 11246     | 28       | 6        | —          |
| 11247     | 30       | 1        | —          |
| 11248     | 34       | 30       | —          |
| 11290     | 30       | 24-2     | —          |
| 11322     | 34       | 24       | —          |
| 11335     | 27       | 31       | —          |
| 11336     | 27       | 29       | —          |
| 11340     | 24       | 28       | —          |
| 11340     | 25       | 33       | —          |
| 11341     | 24       | 27       | —          |
| 11341     | 25       | 32       | —          |
| 11342     | 24       | 20       | —          |
| 11342     | 25       | 26       | —          |
| 11343     | 24       | 4        | —          |
| 11344     | 24       | 19       | —          |
| 11344     | 25       | 20       | —          |
| 11345     | 24       | 14       | —          |
| 11346     | 24       | 12       | —          |
| 11347     | 24       | 18       | —          |
| 11348     | 24       | 1        | —          |
| 11348     | 25       | 23       | —          |
| 11349     | 24       | 6        | —          |
| 11354     | 25       | 21       | —          |
| 11355     | 25       | 18       | —          |
| 11356     | 25       | 17       | —          |
| 11357     | 25       | 8        | —          |
| 11358     | 24       | 24       | —          |
| 11358     | 25       | 30       | —          |
| 11478     | 34       | 13       | —          |
| 11697     | 24       | 16       | —          |
| 11697     | 25       | 19       | —          |
| 11709     | 24       | 25       | 48         |
| 11709     | 25       | 31       | 48         |

| Parts No. | Page No. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 11709     | 27       | 27       | 48         |
| 11709     | 30       | 22       | 48         |
| 11709     | 34       | 25       | 48         |
| 11839     | 36       | 19       | 150        |
| 11840     | 27       | 15       | 20         |
| 11840     | 34       | 1        | 20         |
| 11841     | 27       | 16       | 5          |
| 11841     | 34       | 2        | 5          |
| 11928     | 29       | 6        | —          |
| 11930     | 30       | 24-1     | —          |
| 11935     | 30       | 16       | —          |
| 11942     | 31       | 19       | —          |
| 11942     | 32       | 19       | —          |
| 11943     | 24       | 35-1     | —          |
| 11943     | 25       | 40-1     | —          |
| 11943     | 30       | 21-1     | —          |
| 11944     | 24       | 35-2     | —          |
| 11944     | 25       | 40-2     | —          |
| 11944     | 30       | 21-2     | —          |
| 11945     | 24       | 35-3     | —          |
| 11945     | 25       | 40-3     | —          |
| 11945     | 30       | 21-3     | —          |
| 11946     | 24       | 35-4     | —          |
| 11946     | 25       | 40-4     | —          |
| 11946     | 30       | 21-4     | —          |
| 11949     | 30       | 17       | —          |
| 11949     | 34       | 22       | —          |
| 11959     | 27       | 26       | —          |
| 11967     | 27       | 4        | —          |
| 11967     | 29       | 9        | —          |
| 11968     | 27       | 1        | —          |
| 11973     | 30       | 26       | —          |
| 11974     | 30       | 27       | —          |
| 11975     | 30       | 25       | —          |
| 11984     | 29       | 1        | —          |
| 11987     | 30       | 5        | —          |
| 13093     | 25       | 2        | —          |
| 20004     | 2        | 8        | 8          |
| 20005     | 2        | 9        | 1.25       |
| 20019     | 16       | 25       | 0.8        |
| 20020     | 16       | 24       | 0.7        |
| 20035     | 1        | 13       | 10.2       |
| 20036     | 1        | 24       | 12.4       |
| 20038     | 1        | 25       | 1.8        |
| 20045     | 38       | 54       | 9.3        |
| 20047     | 3        | 23       | 1.2        |
| 20048     | 1        | 33       | 1.5kg      |
| 20049     | 1        | 34       | 88         |
| 20051     | 3        | 25       | 0.9        |
| 20052     | 3        | 24       | 1.6        |
| 20053     | 1        | 35       | 12.5       |
| 20057     | 38       | 53       | 246        |
| 20064     | 38       | 40       | 2.4        |
| 20068     | 38       | 43       | 363        |

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| Parts No. | Page No. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 20069     | 38       | 47       | 414        |
| 20072     | 3        | 15       | 0.5        |
| 20072     | 6        | 28       | 0.5        |
| 20076     | 38       | 58       | 32         |
| 20077     | 38       | 56       | —          |
| 20078     | 38       | 55       | 120        |
| 20080     | 1        | 39       | 24.5       |
| 20101     | 4        | 15       | 9          |
| 20101     | 31       | 32       | 9          |
| 20101     | 32       | 32       | 9          |
| 20101     | 36       | 32       | 9          |
| 20108     | 4        | 40       | 1.2        |
| 20110     | 4        | 39       | 0.8        |
| 20112     | 12       | 35       | 2.8        |
| 20118     | 4        | 5        | 0.95       |
| 20118     | 31       | 37       | 0.95       |
| 20118     | 32       | 37       | 0.95       |
| 20118     | 36       | 37       | 0.95       |
| 20131     | 4        | 30       | 0.1        |
| 20154     | 5        | 3        | 64         |
| 20157     | 5        | 17       | 94         |
| 20159     | 5        | 14       | 53.5       |
| 20161     | 3        | 33       | 0.82       |
| 20220     | 6        | 25       | 62         |
| 20225     | 6        | 45       | 5.6        |
| 20230     | 6        | 42       | 10.3       |
| 20238     | 6        | 29       | 3.3        |
| 20271     | 8        | 46       | 0.5        |
| 20293     | 8        | 18       | 0.6        |
| 20320     | 12       | 26       | 10         |
| 20322     | 12       | 40       | 11         |
| 20323     | 12       | 42       | 4.9        |
| 20325     | 16       | 21       | 0.8        |
| 20330     | 12       | 37       | 1.5        |
| 20331     | 12       | 21       | 3          |
| 20334     | 5        | 44       | 1.8        |
| 20376     | 6        | 43       | 5.4        |
| 20400     | 15       | 20       | 45         |
| 20401     | 15       | 21       | 3.6        |
| 20413     | 14       | 27       | 6          |
| 20414     | 14       | 28       | 1.9        |
| 20418     | 14       | 43       | 26         |
| 20419     | 14       | 48       | 24.3       |
| 20420     | 9        | 12       | 2.3        |
| 20420     | 14       | 52       | 2.3        |
| 20421     | 14       | 45       | 3          |
| 20425     | 14       | 8        | 12.5       |
| 20428     | 15       | 33       | 8          |
| 20429     | 15       | 40       | 6.25       |
| 20436     | 14       | 41       | 4.8        |
| 20445     | 14       | 1        | 17         |
| 20450     | 15       | 35       | 26         |
| 20452     | 15       | 25       | 36         |
| 20454     | 15       | 28       | 0.24       |
| 20470     | 3        | 35       | 15.5       |

| Parts No. | Page No. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 20472     | 3        | 37       | 0.09       |
| 20487     | 7        | 8        | 2.4        |
| 20489     | 17       | 3        | 0.3        |
| 20490     | 7        | 13       | 1          |
| 20491     | 17       | 5        | 5          |
| 20492     | 17       | 7        | 2.6        |
| 20496     | 7        | 16       | 2.8        |
| 20520     | 16       | 36       | 32         |
| 20526     | 16       | 35       | 445        |
| 20530     | 16       | 39       | 5          |
| 20531     | 16       | 40       | 15         |
| 20532     | 16       | 41       | 22         |
| 20533     | 16       | 20       | 22         |
| 20534     | 16       | 9        | 2.3        |
| 20535     | 16       | 14       | 50         |
| 20538     | 3        | 47       | 0.1        |
| 20539     | 16       | 56       | 26         |
| 20546     | 16       | 32       | 42         |
| 20554     | 16       | 49       | —          |
| 20651     | 6        | 34       | 4          |
| 20667     | 4        | 17       | 7          |
| 20895     | 20       | 28       | 4          |
| 20910     | 20       | 27       | 2          |
| 20928     | 20       | 44       | 4.5        |
| 20989     | 27       | 5        | 13.2       |
| 21001     | 17       | 14       | 11         |
| 21001     | 31       | 40       | 11         |
| 21001     | 32       | 40       | 11         |
| 21001     | 36       | 40       | 11         |
| 21005     | 37       | 8        | 1.25       |
| 21009     | 15       | 9        | 2.5        |
| 21021     | 3        | 29       | —          |
| 21105     | 6        | 30       | 2.2        |
| 21117     | 7        | 27       | 2.9        |
| 21124     | 4        | 46       | 13.4       |
| 21191     | 15       | 36       | 0.02       |
| 21238     | 18       | 12       | 2.2        |
| 21328     | 38       | 35       | 1kg        |
| 21450     | 29       | 18       | —          |
| 21451     | 29       | 17       | 62         |
| 21456     | 29       | 19       | 20         |
| 21457     | 29       | 21       | 20         |
| 21700     | 12       | 32       | 1.6        |
| 21701     | 13       | 19       | 5          |
| 21703     | 13       | 16       | 36.6       |
| 21705     | 12       | 33       | 1.2        |
| 21713     | 4        | 34       | 42.7       |
| 21714     | 4        | 36       | 0.6        |
| 21717     | 13       | 21       | 3.6        |
| 21720     | 4        | 33       | 1.8        |
| 21728     | 2        | 41       | 61.5       |
| 21842     | 15       | 7        | 8          |
| 22195     | 7        | 21       | 6.25       |

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| Parts No. | Page No. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 22198     | 17       | 1        | 4          |
| 22215     | 4        | 16       | —          |
| 22257     | 8        | 16       | 2.2        |
| 22259     | 2        | 33       | 1          |
| 22261     | 2        | 17       | 0.5        |
| 22371     | 2        | 27       | 0.55       |
| 22392     | 29       | 33       | 60         |
| 22404     | 29       | 30       | 50         |
| 22435     | 19       | 28       | 0.5        |
| 22436     | 19       | 29       | 0.7        |
| 22447     | 19       | 25       | —          |
| 22448     | 19       | 26       | —          |
| 22554     | 12       | 18       | —          |
| 22581     | 14       | 18       | 108        |
| 22587     | 14       | 5        | 41.7       |
| 22588     | 14       | 4        | 43         |
| 22635     | 29       | 29       | 14         |
| 22635     | 34       | 29       | 14         |
| 22759     | 17       | 8        | 2.3        |
| 22764     | 2        | 18       | 2          |
| 22771     | 6        | 33       | —          |
| 22777     | 6        | 37       | 0.8        |
| 22778     | 17       | 2        | —          |
| 22835     | 3        | 39       | 20         |
| 22836     | 35       | 22       | 10.3       |
| 22837     | 35       | 24       | —          |
| 22840     | 14       | 35       | 12.8       |
| 22841     | 14       | 37       | 32.5       |
| 22842     | 14       | 34       | 44.5       |
| 22854     | 12       | 29       | —          |
| 22947     | 21       | 11       | —          |
| 22956     | 18       | 24       | —          |
| 22956     | 19       | 11       | —          |
| 22956     | 33       | 1        | —          |
| 22963     | 19       | 14       | 82         |
| 22963     | 21       | 16       | 82         |
| 22970     | 4        | 10       | 24         |
| 22981     | 19       | 13       | 20         |
| 22981     | 21       | 17       | 20         |
| 22982     | 19       | 16       | 16         |
| 23169     | 35       | 16       | —          |
| 23171     | 35       | 11       | —          |
| 23182     | 35       | 19-1     | 1          |
| 23184     | 35       | 15       | 0.16       |
| 23185     | 31       | 10       | —          |
| 23185     | 32       | 10       | —          |
| 23185     | 36       | 10       | —          |
| 23186     | 31       | 29       | —          |
| 23186     | 32       | 29       | —          |
| 23186     | 36       | 29       | —          |
| 23187     | 31       | 26       | —          |
| 23187     | 32       | 26       | —          |
| 23187     | 36       | 26       | —          |
| 23189     | 31       | 21       | —          |

| Parts No. | Page No. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 23189     | 32       | 21       | —          |
| 23189     | 36       | 21       | —          |
| 23190     | 32       | 18       | 26         |
| 23190     | 36       | 18       | 26         |
| 23220     | 26       | 29       | 0.1        |
| 23220     | 28       | 29       | 0.1        |
| 23234     | 11       | 24       | —          |
| 23340     | 37       | 26       | —          |
| 23341     | 37       | 28       | —          |
| 23342     | 37       | 30       | —          |
| 23368     | 26       | 26       | —          |
| 23368     | 28       | 26       | —          |
| 23369     | 26       | 25       | —          |
| 23369     | 28       | 25       | —          |
| 23370     | 26       | 30       | —          |
| 23370     | 28       | 30       | —          |
| 23381     | 27       | 20       | —          |
| 23381     | 30       | 6        | —          |
| 23381     | 34       | 27       | —          |
| 23382     | 29       | 10       | —          |
| 23397     | 29       | 5        | —          |
| 23447     | 26       | 13       | —          |
| 23447     | 28       | 13       | —          |
| 23468     | 12       | 39       | —          |
| 23473     | 15       | 26       | —          |
| 24004     | 6        | 1        | 50         |
| 24005     | 6        | 3        | 37         |
| 24008     | 6        | 17       | 9          |
| 24010     | 3        | 7        | 13         |
| 24011     | 2        | 35       | 10         |
| 24014     | 5        | 28       | 9          |
| 24016     | 5        | 33       | 17         |
| 24021     | 8        | 10       | 0.2        |
| 20023     | 8        | 5        | 42         |
| 24024     | 8        | 7        | 0.5        |
| 24025     | 2        | 23       | 24         |
| 24026     | 2        | 25       | 3          |
| 24028     | 2        | 30       | 4.3        |
| 24029     | 7        | 25       | 8          |
| 24030     | 7        | 19       | 5          |
| 24031     | 7        | 22       | 34         |
| 24036     | 1        | 1        | 295        |
| 24038     | 1        | 2        | 70         |
| 24039     | 1        | 8        | 28         |
| 24041     | 2        | 48       | 152        |
| 24042     | 2        | 58       | 52         |
| 24043     | 2        | 59       | 45         |
| 24046     | 3        | 41       | 31         |
| 24048     | 3        | 43       | 5.2        |
| 24050     | 4        | 32       | 2          |
| 24051     | 5        | 1        | —          |
| 24053     | 5        | 21       | 11         |
| 24054     | 5        | 45       | —          |
| 24055     | 5        | 46       | —          |
| 24056     | 5        | 47       | 24         |

| Parts No. | Page No. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 24057     | 5        | 48       | 18         |
| 24058     | 5        | 49       | 5          |
| 24059     | 5        | 52       | 6          |
| 24060     | 5        | 51       | 11         |
| 24061     | 17       | 15       | 2          |
| 24063     | 12       | 16       | —          |
| 24064     | 13       | 1        | 50         |
| 24065     | 13       | 6        | 51         |
| 24067     | 15       | 17       | —          |
| 24068     | 13       | 14       | —          |
| 24069     | 13       | 13       | 42         |
| 24070     | 15       | 14       | 14         |
| 24072     | 2        | 50       | 0.6        |
| 24077     | 13       | 12       | 43         |
| 24080     | 8        | 20       | 10         |
| 24081     | 7        | 14       | 10         |
| 24982     | 2        | 31       | 1.5        |
| 24083     | 4        | 2        | 0.4        |
| 24083     | 31       | 35       | 0.4        |
| 24083     | 32       | 35       | 0.4        |
| 24083     | 36       | 35       | 0.4        |
| 24084     | 4        | 1        | 4          |
| 24084     | 31       | 34       | 4          |
| 24084     | 32       | 34       | 4          |
| 24084     | 36       | 34       | 4          |
| 24085     | 2        | 55       | —          |
| 24086     | 4        | 26       | —          |
| 24089     | 38       | 29       | —          |
| 24090     | 38       | 32       | —          |
| 24091     | 3        | 4        | 24         |
| 24092     | 3        | 3        | 0.5        |
| 24093     | 3        | 1        | 36         |
| 24094     | 6        | 6        | 6          |
| 24095     | 2        | 60       | 1.4        |
| 24102     | 15       | 23       | 43         |
| 24104     | 10       | 6        | 35         |
| 24104     | 14       | 20       | 35         |
| 24105     | 14       | 21       | 10         |
| 24106     | 14       | 26       | 43         |
| 24107     | 14       | 25       | 52         |
| 24109     | 16       | 33       | —          |
| 24129     | 18       | 19       | 9          |
| 24130     | 18       | 17       | 20         |
| 24131     | 4        | 19       | 4.6        |
| 24132     | 6        | 20       | 3.6        |
| 24134     | 2        | 47       | —          |
| 24138     | 8        | 2        | 5          |
| 24139     | 8        | 3        | 8          |
| 24141     | 8        | 39       | 25         |
| 24153     | 17       | 10       | —          |
| 24154     | 2        | 51       | 11         |
| 24155     | 6        | 32       | 70         |
| 24156     | 4        | 3        | 1.4        |
| 24156     | 31       | 36       | 1.4        |
| 24156     | 32       | 36       | 1.4        |

| Parts No. | Page No. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 24156     | 36       | 36       | 1.4        |
| 24157     | 4        | 13       | 2          |
| 24157     | 31       | 4        | 2          |
| 24157     | 32       | 4        | 2          |
| 24157     | 36       | 4        | 2          |
| 24158     | 15       | 30       | 12         |
| 24159     | 2        | 28       | 1.1        |
| 24162     | 3        | 14       | 8          |
| 24164     | 2        | 61       | 10         |
| 24165     | 2        | 43       | 0.6        |
| 24166     | 16       | 26       | 0.1        |
| 24167     | 16       | 27       | 2          |
| 24168     | 6        | 38       | 12         |
| 24169     | 13       | 24       | 2.6        |
| 24170     | 14       | 14       | 57         |
| 24171     | 14       | 15       | 59         |
| 24173     | 14       | 13       | —          |
| 24176     | 15       | 15       | 7          |
| 24177     | 15       | 38       | 1.3        |
| 24179     | 15       | 39       | 5.5        |
| 24180     | 17       | 27       | 17         |
| 24182     | 15       | 11       | —          |
| 24182     | 17       | 32       | —          |
| 24183     | 14       | 30       | 17         |
| 24184     | 14       | 32       | —          |
| 24187     | 1        | 3        | 0.2        |
| 24188     | 2        | 34       | 1.2        |
| 24189     | 38       | 31       | —          |
| 24191     | 12       | 1        | —          |
| 24192     | 12       | 13       | —          |
| 24193     | 12       | 6        | 10         |
| 24194     | 12       | 3        | 5          |
| 24195     | 12       | 7        | 5          |
| 24197     | 1        | 22       | 62         |
| 24199     | 18       | 14       | 17         |
| 24199     | 19       | 38       | 17         |
| 24212     | 37       | 7-1      | 2          |
| 24213     | 37       | 7-2      | 2          |
| 24222     | 37       | 29       | —          |
| 24228     | 17       | 26-1     | 28         |
| 24229     | 17       | 26-2     | 28         |
| 24230     | 17       | 31-1     | —          |
| 24231     | 17       | 31-2     | —          |
| 24233     | 18       | 11-1     | 28         |
| 24234     | 18       | 11-2     | —          |
| 24235     | 6        | 23-1     | 28         |
| 24236     | 6        | 23-2     | 28         |
| 24237     | 18       | 30-1     | 28         |
| 24237     | 19       | 10-1     | 28         |
| 24237     | 33       | 4-1      | 28         |
| 24238     | 18       | 30-2     | 28         |
| 24238     | 19       | 10-2     | 28         |
| 24238     | 33       | 4-2      | 28         |
| 24239     | 33       | 2-1      | —          |
| 24240     | 33       | 2-2      | —          |

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| Parts No. | Page No. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 24241     | 33       | 2-3      | —          |
| 24242     | 18       | 27-1     | —          |
| 24242     | 19       | 10-3     | —          |
| 25242     | 33       | 3-1      | —          |
| 24243     | 18       | 27-2     | 28         |
| 24243     | 19       | 10-4     | 28         |
| 24243     | 33       | 3-2      | 28         |
| 24244     | 33       | 2-4      | —          |
| 24255     | 5        | 20       | 57.5       |
| 24299     | 30       | 19       | 295        |
| 24301     | 30       | 20       | —          |
| 24301     | 34       | 21       | —          |
| 24302     | 29       | 4        | —          |
| 24302     | 34       | 15       | —          |
| 24305     | 35       | 15       | —          |
| 24306     | 35       | 14       | —          |
| 24308     | 35       | 17       | —          |
| 24310     | 35       | 10       | —          |
| 24313     | 35       | 12-1     | —          |
| 24314     | 35       | 12-2     | —          |
| 24320     | 34       | 20       | —          |
| 24321     | 4        | 20       | —          |
| 24324     | 20       | 47       | —          |
| 24324     | 27       | 24       | —          |
| 24324     | 29       | 27       | —          |
| 24325     | 27       | 2        | 13         |
| 24325     | 29       | 2        | 13         |
| 24366     | 38       | 50       | 3.6        |
| 24481     | 12       | 25       | —          |
| 25144     | 31       | 18       | —          |
| 25144     | 36       | 18       | —          |
| 25151     | 20       | 42       | —          |
| 25152     | 20       | 40       | —          |
| 25156     | 20       | 26       | —          |
| 25157     | 20       | 25       | —          |
| 26002     | 1        | 12       | 14kg       |
| 26004     | 2        | 14       | 127        |
| 26007     | 2        | 6        | 6          |
| 26008     | 3        | 16       | 61         |
| 26009     | 3        | 18       | 1.2        |
| 26010     | 2        | 20       | 27         |
| 26011     | 3        | 19       | 47         |
| 26012     | 3        | 21       | 54         |
| 26013     | 3        | 11       | 118        |
| 26014     | 3        | 9        | 25         |
| 26015     | 2        | 37       | 33         |
| 26016     | 2        | 39       | 31         |
| 26020     | 4        | 51       | 4.5        |
| 26021     | 4        | 44       | 11         |
| 26022     | 2        | 1        | 69         |
| 26023     | 2        | 12       | 18         |
| 26024     | 4        | 43       | 31         |
| 26025     | 16       | 19       | 54         |

| Parts No. | Page No. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 26027     | 16       | 30       | 1.5        |
| 26028     | 16       | 7        | 1.2        |
| 26029     | 10       | 30       | 1.8        |
| 26030     | 16       | 1        | 1.8        |
| 26031     | 16       | 28       | 0.9        |
| 26035     | 5        | 29       | —          |
| 26036     | 5        | 30       | —          |
| 26037     | 12       | 12       | —          |
| 26038     | 12       | 10       | —          |
| 26039     | 8        | 55       | —          |
| 26040     | 5        | 10       | 485        |
| 26042     | 6        | 11       | —          |
| 26043     | 5        | 37       | 6          |
| 26044     | 7        | 1        | 35         |
| 26045     | 5        | 23       | 17         |
| 26046     | 5        | 22       | 22         |
| 26049     | 8        | 40       | 12         |
| 26050     | 8        | 37       | 19         |
| 26051     | 8        | 44       | 2.5        |
| 26053     | 8        | 41       | 71         |
| 26054     | 8        | 34       | 80         |
| 26055     | 5        | 41       | 8          |
| 26056     | 8        | 28       | 38         |
| 26057     | 8        | 27       | 2.1        |
| 26058     | 8        | 22       | 55         |
| 26059     | 8        | 26       | 11         |
| 26060     | 8        | 12       | 10         |
| 26062     | 8        | 36       | 57         |
| 26064     | 8        | 9        | 10         |
| 26065     | 8        | 23       | 5          |
| 26066     | 7        | 12       | 132        |
| 26067     | 5        | 40       | —          |
| 26068     | 11       | 29       | 47         |
| 26069     | 5        | 26       | 13         |
| 26070     | 5        | 25       | 22         |
| 26071     | 5        | 27       | 0.7        |
| 26072     | 11       | 27       | 6.5        |
| 26073     | 11       | 26       | 1          |
| 26074     | 11       | 30       | 15         |
| 26075     | 11       | 35       | 3          |
| 26076     | 11       | 36       | 7          |
| 26077     | 11       | 38       | 18         |
| 26078     | 11       | 37       | 1          |
| 26088     | 10       | 25       | 67         |
| 26089     | 5        | 43       | 51         |
| 26090     | 5        | 42       | 44         |
| 26091     | 10       | 9        | 2.1        |
| 26092     | 3        | 5        | 3.2        |
| 26098     | 10       | 26       | 68         |
| 26099     | 10       | 16       | 1.2        |
| 26101     | 10       | 28       | 12         |
| 26104     | 10       | 20       | 3          |
| 26107     | 11       | 11       | 61         |
| 26109     | 11       | 16       | 2.5        |

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| Parts No. | Page No. | Ref. No. | Weight (g) |
|-----------|----------|----------|------------|
| 26112     | 9        | 4        | 34         |
| 26117     | 11       | 3        | 60         |
| 26118     | 11       | 5        | 12         |
| 26119     | 11       | 6        | 34         |
| 26120     | 11       | 8        | 0.5        |
| 26122     | 11       | 39       | 15         |
| 26123     | 9        | 1        | 9          |
| 26125     | 11       | 22       | —          |
| 26126     | 11       | 20       | —          |
| 26127     | 37       | 27       | —          |
| 26129     | 37       | 24-2     | —          |
| 26130     | 37       | 19-2     | —          |
| 26135     | 8        | 48-1     | 20         |
| 26136     | 8        | 48-2     | 20         |
| 26137     | 8        | 52-1     | 8          |
| 26138     | 8        | 52-2     | 8          |
| 26139     | 8        | 49       | 8          |
| 26139     | 17       | 17       | 8          |
| 26139     | 18       | 2        | 8          |
| 26139     | 19       | 2        | 8          |
| 26139     | 35       | 2        | 8          |
| 26140     | 8        | 53       | 0.4        |
| 26140     | 17       | 22       | 0.4        |
| 26140     | 18       | 7        | 0.4        |
| 26140     | 19       | 7        | 0.4        |
| 26140     | 35       | 7        | 0.4        |
| 26140     | 37       | 16       | 0.4        |
| 26141     | 8        | 51       | 0.7        |
| 27141     | 17       | 19       | 0.7        |
| 26141     | 18       | 4        | 0.7        |
| 26141     | 19       | 4        | 0.7        |
| 26141     | 35       | 4        | 0.7        |
| 26142     | 8        | 54       | 1.5        |
| 26142     | 17       | 23       | 1.5        |
| 26142     | 18       | 8        | 1.5        |
| 26142     | 19       | 8        | 1.5        |
| 26142     | 35       | 8        | 1.5        |
| 26142     | 37       | 17       | 1.5        |
| 26148     | 18       | 6-2      | —          |
| 26149     | 18       | 1-2      | —          |
| 26150     | 18       | 1-1      | —          |
| 26151     | 18       | 6-1      | —          |
| 26154     | 21       | 45-1     | —          |
| 26158     | 37       | 25       | —          |
| 26160     | 20       | 41       | —          |
| 26161     | 20       | 35       | —          |
| 26162     | 20       | 34       | —          |
| 26163     | 20       | 36       | —          |
| 26165     | 20       | 24       | —          |
| 26184     | 26       | 31       | —          |
| 26184     | 28       | 31       | —          |
| 26185     | 26       | 34       | —          |
| 26185     | 28       | 34       | —          |
| 26188     | 26       | 39-2     | —          |
| 26188     | 28       | 39-2     | —          |

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| 26189     | 26       | 33-2     | —          |
| 26189     | 28       | 33-2     | —          |
| 26190     | 26       | 39-1     | —          |
| 26190     | 28       | 39-1     | —          |
| 26191     | 26       | 33-1     | —          |
| 26191     | 28       | 33-1     | —          |
| 26193     | 26       | 40       | —          |
| 26193     | 28       | 40       | —          |
| 26194     | 26       | 24       | —          |
| 26194     | 28       | 24       | —          |
| 26202     | 31       | 13       | —          |
| 26202     | 32       | 13       | —          |
| 26202     | 36       | 13       | —          |
| 26203     | 31       | 17       | —          |
| 26203     | 32       | 17       | —          |
| 26203     | 36       | 17       | —          |
| 26204     | 29       | 26       | —          |
| 26204     | 34       | 8        | —          |
| 26205     | 29       | 25       | —          |
| 26205     | 34       | 9        | —          |
| 26206     | 31       | 15       | —          |
| 26206     | 32       | 15       | —          |
| 26206     | 36       | 15       | —          |
| 26215     | 21       | 44       | —          |
| 26216     | 22       | 9        | —          |
| 26217     | 22       | 10       | —          |
| 26219     | 22       | 11       | —          |
| 26220     | 22       | 15       | —          |
| 26221     | 22       | 14       | —          |
| 26222     | 22       | 1-1      | —          |
| 26223     | 22       | 3        | —          |
| 26224     | 22       | 1-2      | —          |
| 26225     | 19       | 32-4     | —          |
| 26226     | 19       | 32-1     | —          |
| 26227     | 19       | 32-6     | —          |
| 26228     | 19       | 32-3     | —          |
| 26230     | 19       | 1-1      | 20         |
| 26231     | 19       | 1-2      | 20         |
| 26232     | 19       | 6-1      | 8          |
| 26233     | 19       | 6-2      | 8          |
| 26236     | 19       | 32-2     | —          |
| 26237     | 19       | 32-5     | —          |
| 26238     | 19       | 34       | —          |
| 26239     | 19       | 17       | 98         |
| 26240     | 19       | 21       | —          |
| 26241     | 19       | 20       | 8          |
| 26242     | 19       | 18       | 9.5        |
| 26243     | 19       | 33       | 8.5        |
| 26246     | 19       | 35       | —          |
| 26250     | 19       | 37       | —          |
| 26250     | 22       | 12       | —          |
| 26251     | 19       | 36       | —          |
| 26254     | 22       | 4-2      | —          |
| 26256     | 22       | 7        | —          |

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| 26257     | 22       | 6        | —          |
| 26258     | 22       | 4-1      | —          |
| 26260     | 2        | 45       | —          |
| 26263     | 7        | 5        | —          |
| 26264     | 12       | 24       | —          |
| 26265     | 12       | 17       | —          |
| 26267     | 21       | 45-2     | —          |
| 26268     | 19       | 6-3      | —          |
| 26269     | 19       | 1-3      | —          |
| 26272     | 18       | 26-2     | —          |
| 26273     | 18       | 25-2     | —          |
| 26274     | 18       | 29-2     | —          |
| 26275     | 18       | 28-2     | —          |
| 26280     | 18       | 28-1     | 20         |
| 26281     | 18       | 29-1     | 8          |
| 26284     | 18       | 25-1     | 20         |
| 26285     | 18       | 26-1     | 8          |
| 26288     | 18       | 21       | —          |
| 26289     | 18       | 15       | —          |
| 26292     | 17       | 21-1     | —          |
| 26293     | 17       | 21-2     | —          |
| 26294     | 17       | 29-1     | —          |
| 26295     | 17       | 29-2     | —          |
| 26296     | 17       | 16-1     | —          |
| 26297     | 17       | 16-2     | —          |
| 26298     | 17       | 28-1     | —          |
| 26299     | 17       | 28-2     | —          |
| 26300     | 26       | 38       | —          |
| 26300     | 28       | 38       | —          |
| 26301     | 2        | 3        | —          |
| 26301     | 27       | 23       | —          |
| 26302     | 26       | 9        | —          |
| 26302     | 28       | 9        | —          |
| 26304     | 26       | 19       | —          |
| 26304     | 28       | 19       | —          |
| 26305     | 26       | 16-1     | —          |
| 26306     | 26       | 1        | —          |
| 26306     | 28       | 1        | —          |
| 26308     | 29       | 35       | —          |
| 26309     | 26       | 28       | —          |
| 26309     | 28       | 28       | —          |
| 26310     | 26       | 21-2     | —          |
| 26310     | 28       | 21-2     | —          |
| 26311     | 26       | 21-1     | —          |
| 26311     | 28       | 21-1     | —          |
| 26312     | 26       | 14       | —          |
| 26312     | 28       | 14       | —          |
| 26313     | 32       | 1        | —          |
| 26319     | 31       | 1        | —          |
| 26320     | 26       | 22       | —          |
| 26320     | 28       | 22       | —          |
| 26321     | 28       | 16-1     | —          |
| 26322     | 26       | 16-2     | —          |
| 26322     | 28       | 16-2     | —          |

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| 26332     | 36       | 1        | —          |
| 26333     | 35       | 1        | —          |
| 26334     | 35       | 6        | —          |
| 26338     | 19       | 6-4      | —          |
| 26339     | 19       | 1-4      | —          |
| 26340     | 37       | 21-2     | —          |
| 26341     | 37       | 20-2     | —          |
| 26342     | 37       | 21-3     | —          |
| 26343     | 37       | 20-3     | —          |
| 26346     | 37       | 21-1     | —          |
| 26347     | 37       | 20-1     | —          |
| 26348     | 37       | 23-2     | —          |
| 26349     | 37       | 22-2     | —          |
| 26350     | 37       | 23-3     | —          |
| 26351     | 37       | 22-3     | —          |
| 26352     | 19       | 6-3      | —          |
| 26352     | 37       | 23-1     | —          |
| 26353     | 37       | 22-1     | —          |
| 26354     | 37       | 15-1     | —          |
| 26355     | 37       | 11-1     | —          |
| 26356     | 37       | 15-2     | —          |
| 26357     | 37       | 11-2     | —          |
| 26358     | 37       | 12       | —          |
| 26400     | 5        | 8        | —          |
| 26401     | 10       | 1        | —          |
| 26402     | 10       | 4        | —          |
| 26403     | 5        | 7        | —          |
| 26405     | 30       | 3        | —          |
| 26405     | 34       | 32       | —          |
| 26406     | 10       | 8        | —          |
| 26407     | 5        | 50       | —          |
| 26408     | 10       | 24       | —          |
| 26409     | 10       | 23       | —          |
| 26410     | 10       | 22       | —          |
| 26411     | 10       | 21       | —          |
| 26412     | 10       | 19       | —          |
| 26413     | 10       | 18       | —          |
| 26414     | 10       | 13       | —          |
| 26415     | 10       | 15       | —          |
| 26416     | 10       | 27       | —          |
| 26417     | 11       | 19       | —          |
| 26418     | 10       | 32       | —          |
| 26419     | 5        | 15       | —          |
| 26420     | 5        | 4        | —          |
| 26421     | 11       | 41       | —          |
| 26422     | 11       | 43       | —          |
| 26424     | 11       | 10       | —          |
| 26425     | 9        | 6        | —          |
| 26426     | 5        | 5        | —          |
| 26427     | 9        | 16       | —          |
| 26428     | 9        | 19       | —          |
| 26429     | 9        | 22       | —          |
| 26430     | 9        | 18       | —          |
| 26431     | 9        | 25       | —          |

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| 26432     | 8        | 42       | —          |
| 26433     | 10       | 14       | —          |
| 26434     | 9        | 15       | —          |
| 26438     | 9        | 20       | —          |
| 26500     | 37       | 6        | —          |
| 26501     | 37       | 2        | —          |
| 26502     | 37       | 1-1      | —          |
| 26503     | 37       | 1-2      | —          |
| 26504     | 37       | 4        | —          |
| 26505     | 37       | 10       | —          |
| 26510     | 10       | 35       | 10         |
| 26510     | 17       | 30       | 10         |
| 26511     | 17       | 25       | 10         |
| 26511     | 18       | 13       | 10         |
| 26512     | 19       | 12       | 10         |
| 26513     | 37       | 24-1     | 10         |
| 26514     | 37       | 19-1     | 10         |
| 26515     | 37       | 31-1     | 10         |
| 26516     | 37       | 31-2     | 10         |
| 26517     | 22       | 2        | 10         |
| 26517     | 37       | 31-3     | 10         |
| 27012     | 17       | 13       | —          |
| 27023     | 37       | 13       | 0.5        |
| 27039     | 21       | 1-1      | —          |
| 27040     | 21       | 22-1     | —          |
| 27041     | 21       | 31       | 65         |
| 27042     | 21       | 30       | 24         |
| 27043     | 21       | 35       | 45         |
| 27045     | 21       | 43       | 10         |
| 27046     | 21       | 38       | —          |
| 27049     | 21       | 27       | 4.5        |
| 27050     | 21       | 23       | 7.5        |
| 27051     | 21       | 25       | 0.5        |
| 27055     | 21       | 21       | 5          |
| 27056     | 21       | 18       | 9          |
| 27057     | 21       | 6        | 15         |
| 27058     | 21       | 4        | 6          |
| 27059     | 21       | 2        | 12         |
| 27060     | 21       | 9        | 1.5        |
| 27065     | 21       | 20       | 11         |
| 27070     | 23       | 1        | —          |
| 27071     | 23       | 5        | 5.5        |
| 27072     | 23       | 2        | 11         |
| 27075     | 23       | 11       | 90         |
| 27076     | 23       | 10       | 6          |
| 27077     | 23       | 21       | 166        |
| 27078     | 23       | 28       | 404        |
| 27079     | 23       | 23       | 47         |
| 27080     | 23       | 24       | 4          |
| 27081     | 23       | 29       | 63         |
| 27083     | 23       | 19       | 83         |
| 27084     | 23       | 17       | 78         |
| 27085     | 23       | 31       | 9          |
| 27086     | 23       | 6        | 16         |

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| 27087     | 23       | 12       | 5          |
| 27088     | 23       | 7        | 175        |
| 27089     | 23       | 30       | 62         |
| 27091     | 21       | 36       | —          |
| 27092     | 21       | 42-1     | —          |
| 27106     | 21       | 42-2     | —          |
| 27107     | 21       | 22-2     | —          |
| 27108     | 21       | 1-2      | —          |
| 30080     | 38       | 34       | —          |
| 30228     | 8        | 32       | 9          |
| 30228     | 10       | 11       | 9          |
| 30228     | 11       | 31       | 9          |
| 30228     | 13       | 9        | 9          |
| 30228     | 14       | 39       | 9          |
| 30291     | 5        | 54       | 1          |
| 30745     | 16       | 11       | 0.4        |
| 30748     | 16       | 12       | 0.7        |
| 31111     | 4        | 7        | 5          |
| 31111     | 31       | 7        | 5          |
| 31111     | 32       | 7        | 5          |
| 31111     | 36       | 7        | 5          |
| 32421     | 1        | 28       | 0.1        |
| 32421     | 38       | 41       | 0.1        |
| 32425     | 4        | 29       | 0.4        |
| 32604     | 6        | 27       | 0.9        |
| 32612     | 2        | 7        | 0.4        |
| 32612     | 3        | 48       | 0.4        |
| 32646     | 6        | 9        | 11.8       |
| 32646     | 23       | 25       | 11.8       |
| 32684     | 5        | 24       | 1          |
| 32812     | 12       | 38       | 0.01       |
| 32865     | 15       | 1        | 33         |
| 32867     | 15       | 3        | 2.8        |
| 32919     | 7        | 24       | 1          |
| 32920     | 7        | 9        | 15.5       |
| 32920     | 14       | 3        | 15.5       |
| 32921     | 7        | 3        | 7          |
| 32944     | 16       | 46       | 2          |
| 32949     | 16       | 52       | —          |
| 32971     | 4        | 4        | 2          |
| 32971     | 31       | 25       | 2          |
| 32971     | 32       | 25       | 2          |
| 32971     | 36       | 25       | 2          |
| 32976     | 1        | 21       | 8          |
| 33013     | 3        | 26       | 14         |
| 33024     | 3        | 38       | 0.1        |
| 33024     | 10       | 17       | 0.1        |
| 33057     | 13       | 4        | 7          |
| 33081     | 2        | 53       | 0.3        |
| 33098     | 14       | 11       | 2          |
| 33099     | 14       | 16       | 3.6        |
| 33118     | 14       | 42       | 24         |
| 33131     | 3        | 36       | 1.1        |

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| 33141     | 15       | 4        | 12         |
| 33575     | 20       | 29       | 2          |
| 33588     | 20       | 30       | 1.1        |
| 33593     | 20       | 38       | 0.1        |
| 33668     | 16       | 50       | 1          |
| 33711     | 35       | 19-2     | —          |
| 33738     | 18       | 20       | 0.09       |
| 33806     | 31       | 2        | 2          |
| 33806     | 32       | 2        | 2          |
| 33806     | 36       | 2        | 2          |
| 33807     | 31       | 5        | 3          |
| 33807     | 32       | 5        | 3          |
| 33807     | 36       | 5        | 3          |
| 33890     | 31       | 3        | 1.2        |
| 33890     | 32       | 3        | 1.2        |
| 33890     | 36       | 3        | 1.2        |
| 33925     | 20       | 1        | 459        |
| 33928     | 20       | 2        | —          |
| 33931     | 20       | 6        | 7.7        |
| 33932     | 20       | 20       | 15         |
| 33932     | 29       | 31       | 15         |
| 33933     | 20       | 23       | 87         |
| 33934     | 20       | 18       | 64         |
| 33935     | 20       | 15       | 11         |
| 33936     | 20       | 14       | 58         |
| 33937     | 20       | 13       | 5          |
| 33938     | 20       | 11       | 7          |
| 33939     | 20       | 21       | 12         |
| 33939     | 29       | 32       | 12         |
| 33940     | 20       | 5        | 12         |
| 33941     | 20       | 19       | 43         |
| 33942     | 20       | 22       | 355        |
| 33949     | 20       | 7        | 4.6        |
| 33950     | 20       | 9        | 3          |
| 33951     | 20       | 8        | 0.1        |
| 33953     | 20       | 10       | 156        |
| 33980     | 16       | 53       | —          |
| 34293     | 8        | 38       | 0.2        |
| 34505     | 1        | 10       | 7          |
| 34510     | 1        | 19       | 0.8        |
| 34637     | 1        | 6        | 12         |
| 34979     | 23       | 15       | 1.6        |
| 35149     | 1        | 30       | 210        |
| 35150     | 1        | 31       | 6          |
| 35719     | 27       | 7        | 18         |
| 35719     | 29       | 12       | 1.8        |
| 35722     | 27       | 11       | —          |
| 35722     | 29       | 16       | —          |
| 36133     | 26       | 3        | 1          |
| 36133     | 27       | 17       | 1          |
| 36133     | 28       | 3        | 1          |
| 36133     | 34       | 3        | 1          |
| 36174     | 4        | 24       | 2          |
| 36175     | 4        | 28       | 0.1        |

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| 36518     | 3        | 6        | —          |
| 36628     | 18       | 10       | 2          |
| 36853     | 31       | 9        | 6          |
| 36853     | 32       | 9        | 6          |
| 36853     | 36       | 9        | 6          |
| 37122     | 17       | 11       | 16         |
| 37372     | 6        | 19       | 13         |
| 37668     | 16       | 51       | 4.25       |
| 60248     | 27       | 12       | 0.6        |
| 60248     | 29       | 22       | 0.6        |
| 60248     | 34       | 10       | 0.6        |
| 63153     | 15       | 13       | —          |
| 63612     | 24       | 22       | —          |
| 63612     | 25       | 28       | —          |
| 65379     | 21       | 13       | —          |
| 68244     | 21       | 40       | 0.9        |
| 77322     | 15       | 22       | 9          |
| 77432     | 12       | 31       | 0.3        |
| 80503     | 16       | 13       | 0.2        |
| 90320     | 6        | 13       | 3.05       |
| 90321     | 6        | 12       | 10         |
| 92232     | 24       | 30       | 262        |
| 92232     | 25       | 35       | 262        |
| 92232     | 27       | 30       | 262        |
| 93864     | 4        | 47       | —          |
| 94491     | 30       | 10       | 0.5        |
| 94491     | 34       | 18       | 0.5        |
| 94564     | 10       | 3        | —          |
| 95134     | 5        | 53       | 5          |
| 99030     | 38       | 16       | —          |
| 99031     | 38       | 17       | —          |
| 99057     | 38       | 2        | —          |
| 99058     | 38       | 3        | —          |
| 99059     | 38       | 4-2      | —          |
| 99060     | 38       | 4-1      | —          |
| 99061     | 38       | 7        | —          |
| 99062     | 38       | 10       | —          |
| 99063     | 38       | 13       | —          |
| 99064     | 38       | 18       | —          |
| 99065     | 38       | 20       | —          |
| 99066     | 38       | 21       | —          |
| 99067     | 38       | 23       | —          |
| 99068     | 38       | 24       | —          |
| 99069     | 38       | 25       | —          |
| 99070     | 38       | 28-1     | —          |
| 99071     | 38       | 28-2     | —          |
| 99072     | 38       | 1-1      | —          |
| 99073     | 38       | 1-2      | —          |