

# PARTS LIST & INSTRUCTION

## *NW* **SERIES**

### Industrial Sewing Machines

*NW8000G series*

*NW2200G series*

*NW3300G series*

*NL5800G series*

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No.210137

**KANSAI**  
SPECIAL®

■このパーツブックは、2021年11月製造中のNWシリーズのデータに基づいて作成されたものです。

■各機構別に収録され、左側のページに分解イラスト図、右側のページに部品番号、名称、及び数量が記載されています。

■この本の最後に部品番号インデックスを記載しています。  
部品番号からの図解、名称の検索に御利用下さい。

■部品は、予告なく変更される場合がありますので、あらかじめ御了承下さい。

■This parts book is based on data current November 2021.

■Each mechanism is arranged on facing pages. You will find listed for parts number, names, and quantities.

■A parts number index is attached to the back of this book for convenience.

■Parts are subject to change without notice.

## NWシリーズ 表示方法

## NW SERIES INFORMATION

■NW8803Gは上飾り付です。

NW8803G is with top cover thread.

NL5800Gは二重環縫い1本針、2本針、3本針ミシンです。

NL5800G is double chain stitch. (1~3 Needles)

NW8842-1Gはポケットフェーシング縫付用です。

NW8842-1G for attaching front pocket facing.

NW2202GCシリーズはベルトループ用です。

NW2202GC is for belt loop with front knife.

NW8803G-1Sは上飾りシェルステッチ縫い付です。

NW8803G-1S is with top cover thread and shell stitching.

NW3303GFMMは3本針スモック飾りテープ付用です。

NW3303GFMM is with smocking for tape attaching.

■ 針幅です。(インチ)

Needle width (inch)

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | W | 8 | 8 | 0 | 3 | G | D | - | U | T | A | - | 1 | / | 4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

■3は3本針です。

3 is 3 Needle machine.

■Dは地縫用です。

D for plain seaming operation.

CLはカバーリング用です。CL for covering operation.

Fはテープ付用です。F for binding tape operation.

MGは地縫い、テープ付です。MG for Plain seam with binding tape operation.

NL5803GPHDは中厚用/平押えです。NL5803GPHD for plain seaming.

NL5803GPTF, GPXPは中厚用/トラクターフットです。NL5803GPTF, GPXP for lap seaming with TRACTOR FOOT.

Lはテープ付け用です。L for line attaching.

DEはレースゴム付けです。DE for attaching elastic lace.

WDは2列上飾り付です。WD for decoration seaming with DUAL STITCH.

EKはレースゴム付け用前メス装置付です。EK with fabric cutter for attaching elastic lace.

EMK-Eは電気式前メス装置付きレースゴム付けです。

EMK-E for attaching elastic lace (Electric feeder) with fabric cutter.

■UTAはエア式糸切り装置付ミシンです。

UTA is with thread trimmer unit.

(PNEUMATIC TYPE)

UTEは電気式糸切り装置付ミシンです。

UTE is with thread trimmer unit.

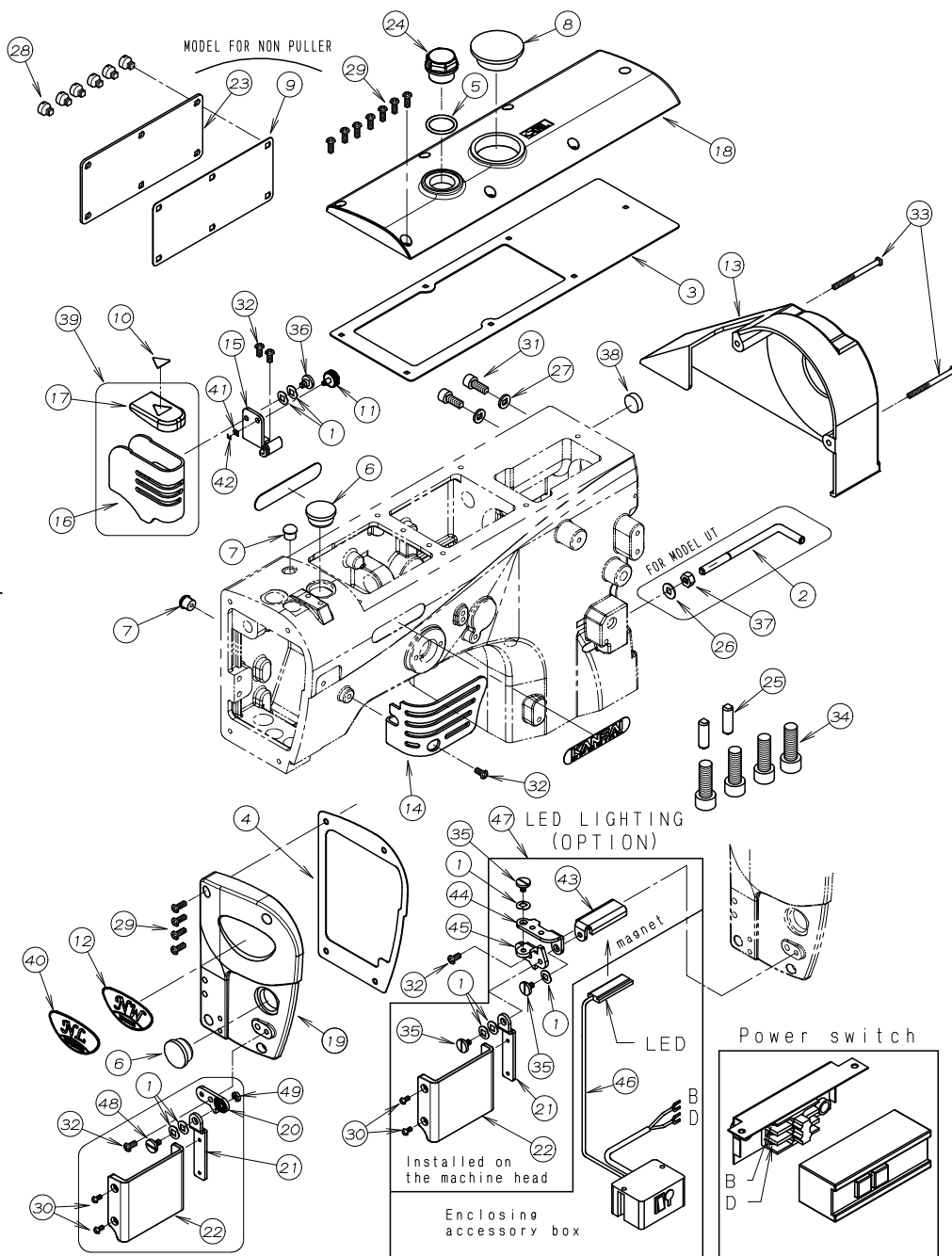
(ELECTRIC TYPE)

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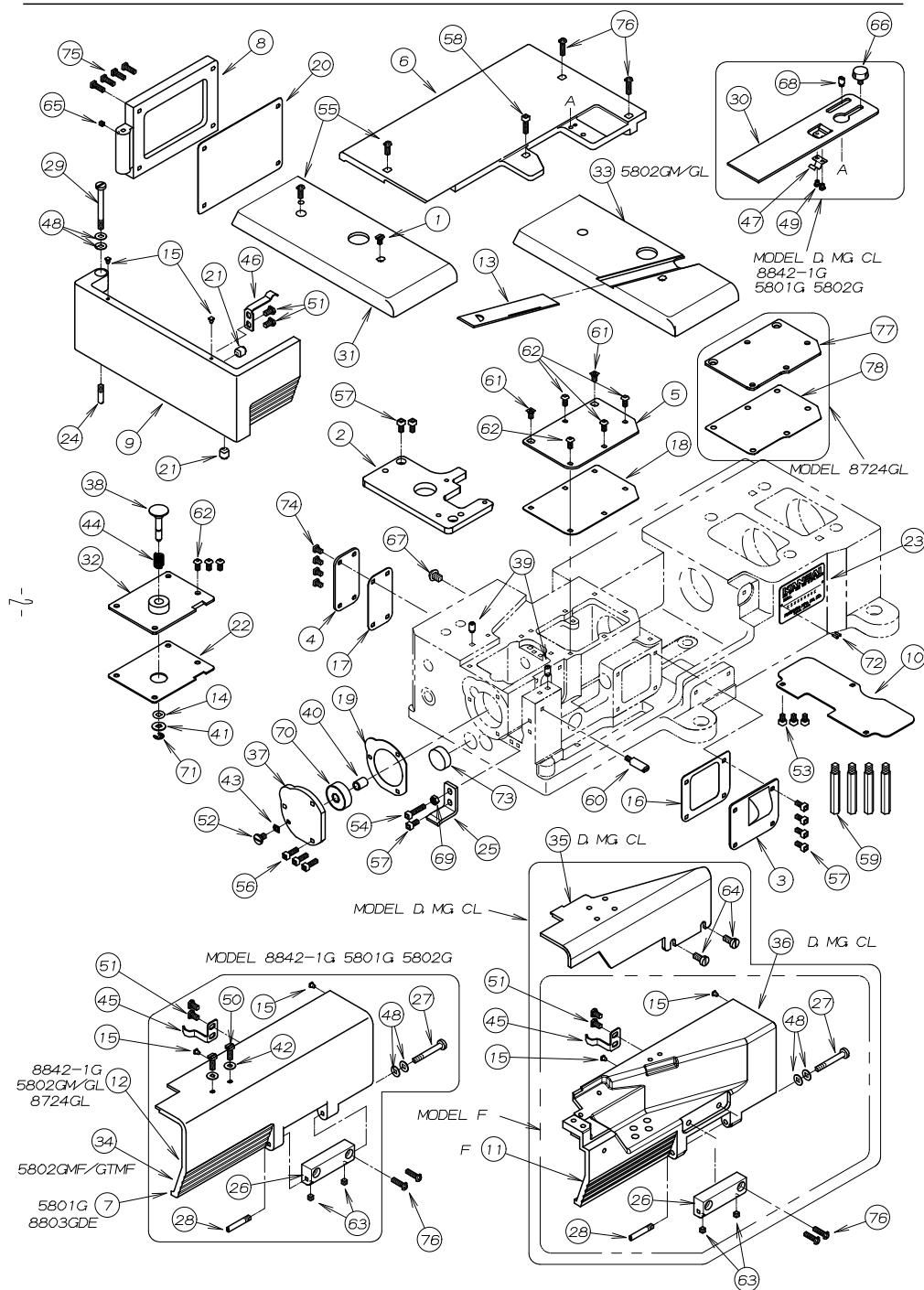
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# 1. フレーム関係 (1) FRAME ASSEMBLY (1)



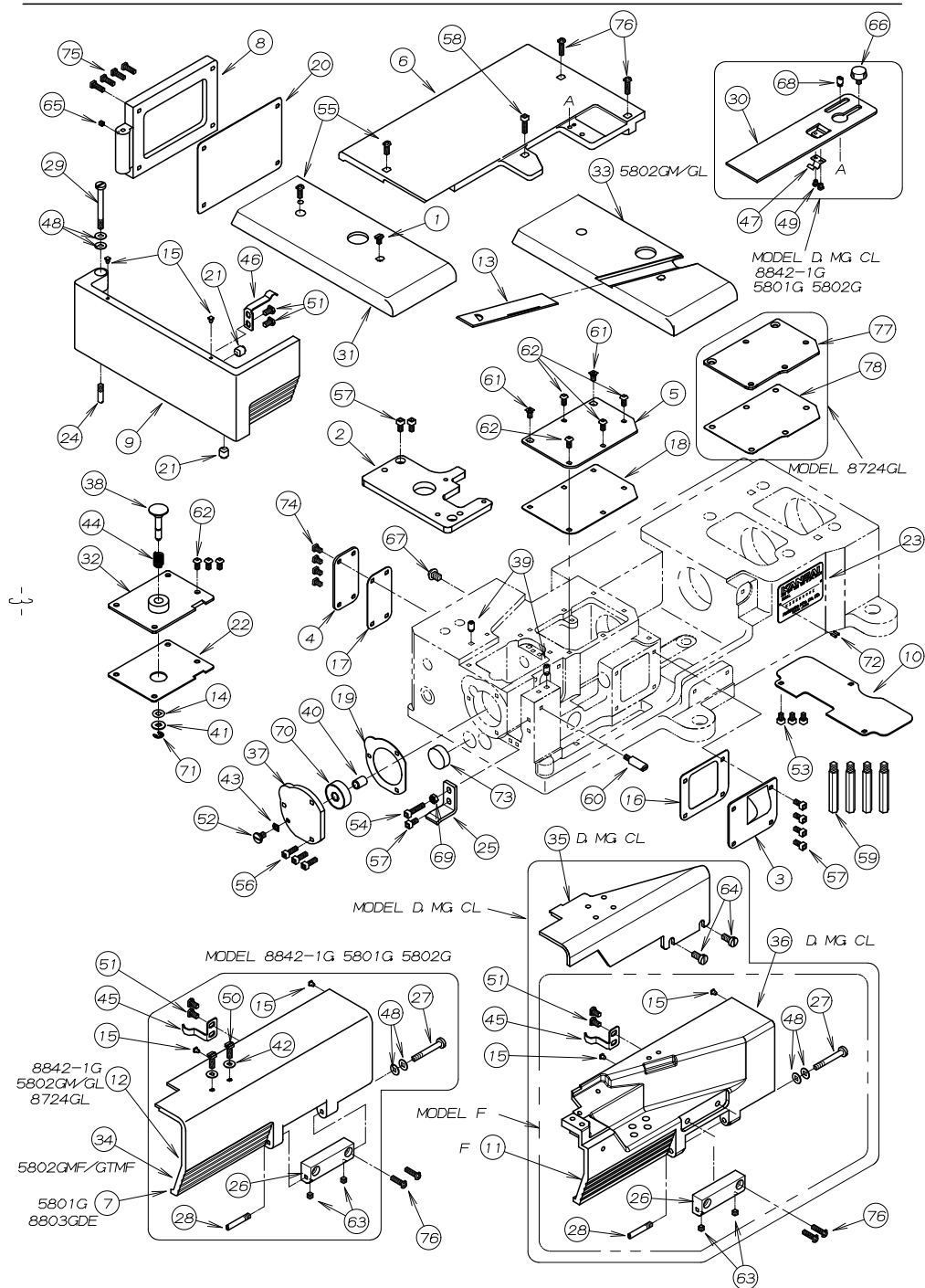
| REF. NO. | PART NO. | 品 名               | DESCRIPTION            | Q' TY |
|----------|----------|-------------------|------------------------|-------|
| 01-01    | 02-119   | 波座金               | WASHER                 | 8     |
| 01-02    | 05-292   | ホ°シ°ショナーハ°        | BAR                    | 1     |
| 01-03    | 23-041   | トップ°カハ°ハ°ッキン      | GASKET                 | 1     |
| 01-04    | 23-045   | 面板ハ°ッキン           | GASKET                 | 1     |
| 01-05    | 23-287   | O°リング             | O RING                 | 1     |
| 01-06    | 23-427   | コ°ム栓              | PLUG                   | 2     |
| 01-07    | 23-501   | コ°ム栓              | PLUG                   | 2     |
| 01-08    | 23-504   | コ°ム栓              | PLUG                   | 1     |
| 01-09    | 23-538   | ハ°ッキン             | GASKET                 | 1     |
| 01-10    | 24-060   | 針棒カバーシール          | SEAL                   | 1     |
| 01-11    | 87-388   | ローレットネジ°          | SCREW                  | 1     |
| 01-12    | 24-063   | 機種プレート (NW)       | MODEL PLATE (NW)       | 1     |
| 01-13    | 27-136   | プーリーカバー           | PULLEY COVER           | 1     |
| 01-14    | 27-231   | 天秤カハ°             | COVER                  | 1     |
| 01-15    | 27-384   | 針棒カハ°フ°ラケット       | BRACKET                | 1     |
| 01-16    | 27-234   | 針棒カハ°             | NEEDLE BAR COVER       | 1     |
| 01-17    | 27-235   | 針棒カハ°コ°ム          | RUBBER                 | 1     |
| 01-18    | 27-237W  | トップ°カハ°           | TOP COVER              | 1     |
| 01-19    | 27-238W  | 面板                | HEAD COVER             | 1     |
| 01-20    | 27-239   | アイカ°ート°ヒンジ° (1)   | HINGE                  | 1     |
| 01-21    | 27-240   | アイカ°ート°ヒンジ° (2)   | HINGE                  | 2     |
| 01-22    | 27-241   | アイカ°ート°           | EYE GUARD              | 2     |
| 01-23    | 27-323W  | 後カハ°              | REAR COVER             | 1     |
| 01-24    | 39-235   | オイルポット            | OIL POT                | 1     |
| 01-25    | 71-580   | ノックピン             | PIN                    | 2     |
| 01-26    | 75-452   | ワッシャ              | WASHER                 | 1     |
| 01-27    | 75-552   | ワッシャ              | WASHER                 | 2     |
| 01-28    | 87-053   | スリワリ付小ネジM6×6L     | SCREW M6×6L            | 6     |
| 01-29    | 87-483   | プラマイナベ小ねじ         | SCREW                  | 11    |
| 01-30    | 87-477   | プラマイナベ小ねじ         | SCREW                  | 4     |
| 01-31    | 87-171   | 六角穴付きボルト          | BOLT                   | 2     |
| 01-32    | 87-482   | プラマイナベ小ねじ         | SCREW                  | 5     |
| 01-33    | 87-489   | プラマイナベ小ねじ         | SCREW                  | 2     |
| 01-34    | 87-228   | 六角穴付きボルト          | BOLT                   | 4     |
| 01-35    | 87-264   | 段ネジ°              | SCREW                  | 3     |
| 01-36    | 87-437   | 段ネジ               | SCREW                  | 1     |
| 01-37    | 88-166   | ナット               | NUT                    | 1     |
| 01-38    | 94-504   | シールキャップ°          | PLUG                   | 1     |
| 01-39    | 20-0008  | 針棒カバーセット          | NEEDLE BAR COVER ASS'Y | 1     |
| 01-40    | 24-071   | 機種プレート (NL)       | MODEL PLATE (NL)       | 1     |
| 01-41    | 75-441   | ワッシャ              | WASHER                 | 1     |
| 01-42    | 93-200   | ストップ°リンク°         | E-RING                 | 1     |
| 01-43    | 27-385   | LED用フ°ラケット (A)    | BRACKET (A)            | 1     |
| 01-44    | 27-387   | LED用ヒンジ°          | HINGE                  | 1     |
| 01-45    | 27-388   | アイカ°ート°ヒンジ° (LED) | HINGE                  | 1     |
| 01-46    | 27-389   | LEDライト            | LED LIGHT              | 1     |
| 01-47    | 20-6165  | LED用ブラケットセット      | LED BRACKET SET        | 1     |
| 01-48    | 87-066   | 段ネジ               | SCREW                  | 1     |
| 01-49    | 88-147   | 六角ナット             | NUT                    | 1     |

## 2. フレーム関係 (2-1) FRAME ASSEMBLY (2-1)



| REF. NO. | PART NO. | 品 名        | DESCRIPTION                  | Q'TY |
|----------|----------|------------|------------------------------|------|
| 02-01    | 05-074   | ネジ         | SCREW                        | 1    |
| 02-02    | 14-147   | 針板土台       | NEEDLE PLATE SUPPORT BRACKET | 1    |
| 02-03    | 21-648   | カハ         | COVER                        | 1    |
| 02-04    | 21-649   | カハ         | COVER                        | 1    |
| 02-05    | 21-650   | ハットカハ (右)  | BED COVER                    | 1    |
| 02-06    | 21-660W  | 上ハースカハ     | UPPER COVER                  | 1    |
| 02-07    | 21-664W  | 前カハ        | FRONT COVER                  | 1    |
| 02-08    | 21-665W  | 後カハ        | REAR COVER                   | 1    |
| 02-09    | 21-666W  | 横カハ        | SIDE COVER                   | 1    |
| 02-10    | 21-667   | 防塵フレート     | COVER                        | 1    |
| 02-11    | 21-821W  | 前カバー       | FRONT COVER                  | 1    |
| 02-12    | 21-833W  | 前カハ        | FRONT COVER                  | 1    |
| 02-13    | 21-835   | 差板         | SLIDE COVER                  | 1    |
| 02-14    | 23-183   | O-リング      | O-RING                       | 1    |
| 02-15    | 23-512   | クッションゴム    | CUSHION RUBBER               | 6    |
| 02-16    | 23-516   | ハッキン       | GASKET                       | 1    |
| 02-17    | 23-517   | ハッキン       | GASKET                       | 1    |
| 02-18    | 23-518   | ハッキン       | GASKET                       | 1    |
| 02-19    | 23-521   | ハッキン       | GASKET                       | 1    |
| 02-20    | 23-525   | ハッキン       | GASKET                       | 1    |
| 02-21    | 23-526   | コム栓        | PLUG                         | 2    |
| 02-22    | 23-575   | 上油カハハッキン左  | CRANK CHAMBER COVER GASKET   | 1    |
| 02-23    | 24-053   | モデルステッカー   | TYPE PLATE                   | 1    |
| 02-24    | 25-503   | カハヒンシネジ    | SCREW                        | 1    |
| 02-25    | 25-505   | 横カハ受け      | SIDE COVER HOLDER            | 1    |
| 02-26    | 25-516W  | 定規台ヒンシ     | HINGE                        | 2    |
| 02-27    | 25-517   | ヒンシネジ      | SCREW                        | 2    |
| 02-28    | 25-527   | カハヒンシネジ    | SCREW                        | 2    |
| 02-29    | 25-903   | カハヒンシネジ    | SCREW                        | 1    |
| 02-30    | 27-167   | 前ベースカバー    | FRONT BASE COVER             | 1    |
| 02-31    | 27-335W  | サイト上ハースカハ  | SIDE COVER                   | 1    |
| 02-32    | 27-337   | 上油カハ (左)   | CRANK CHAMBER COVER          | 1    |
| 02-33    | 27-356W  | サイト上ハースカハ  | SIDE COVER                   | 1    |
| 02-34    | 27-541W  | 前カバー       | FRONT COVER                  | 1    |
| 02-35    | 27-542W  | D用前カハ      | FRONT COVER                  | 1    |
| 02-36    | 27-546W  | 前カハ        | FRONT COVER                  | 1    |
| 02-37    | 69-526   | ハウジング      | HOUSING                      | 1    |
| 02-38    | 69-560   | プッシュボタン    | PUSH BOTTON                  | 1    |
| 02-39    | 71-579   | ノックピン      | PIN                          | 2    |
| 02-40    | 75-077   | ハアリリング用カラー | COLLAR                       | 1    |
| 02-41    | 75-453   | ワッシャ       | WASHER                       | 1    |
| 02-42    | 75-455   | ワッシャ       | WASHER                       | 2    |
| 02-43    | 75-468   | ワッシャ       | WASHER                       | 1    |
| 02-44    | 79-528   | ハネ         | SPRING                       | 1    |
| 02-45    | 79-530   | 前カハ止めハネ    | SPRING                       | 2    |
| 02-46    | 79-531   | 横カハ止めハネ    | SPRING                       | 1    |
| 02-47    | 79-801   | ハネ         | SPRING                       | 1    |
| 02-48    | 79-922   | 皿ハネ        | SPRING                       | 6    |
| 02-49    | 84-167   | ネジ         | SCREW                        | 2    |
| 02-50    | 84-566   | ネジ         | SCREW                        | 2    |
| 02-51    | 84-574   | ネジ         | SCREW                        | 6    |
| 02-52    | 84-581   | 段ネジ        | SCREW                        | 1    |
| 02-53    | 87-092   | 六角穴付きボルト   | BOLT                         | 3    |
| 02-54    | 87-112   | 六角穴付きボルト   | BOLT                         | 1    |
| 02-55    | 87-483   | プラマイナベ小ねじ  | SCREW                        | 2    |
| 02-56    | 87-129   | 六角穴付きボルト   | BOLT                         | 3    |

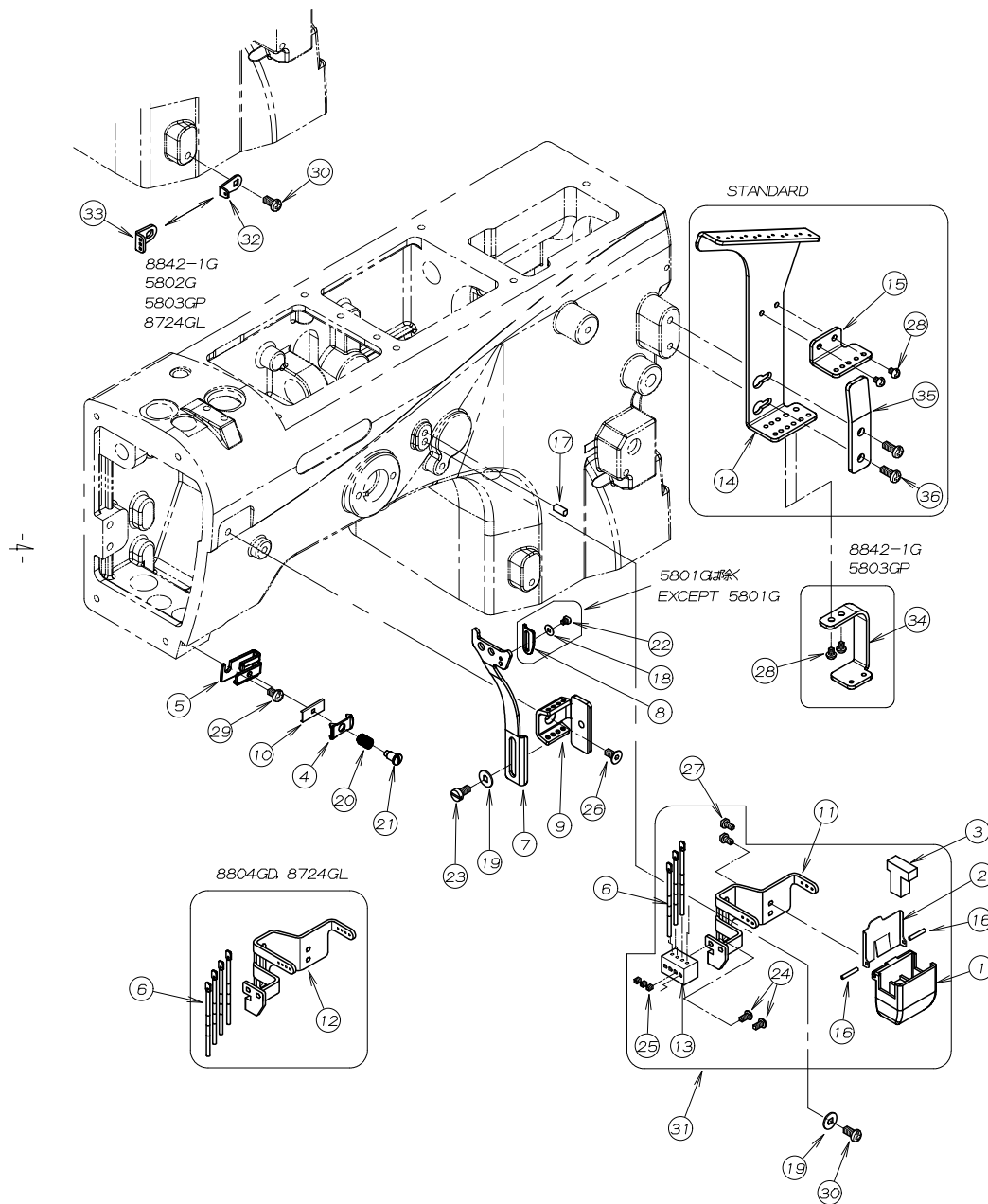
## 2. フレーム関係 (2-2) FRAME ASSEMBLY (2-2)



| REF. NO. | PART NO. | 品 名         | DESCRIPTION      | Q' TY |
|----------|----------|-------------|------------------|-------|
| 02-57    | 87-177   | 六角穴付きボルト    | BOLT             | 7     |
| 02-58    | 87-214   | 六角穴付きボルト    | BOLT             | 1     |
| 02-59    | 87-239   | スタット・ピン     | PIN              | 4     |
| 02-60    | 87-268   | カハーストップネジ   | SCREW            | 1     |
| 02-61    | 87-269   | ネジ          | SCREW            | 2     |
| 02-62    | 87-272   | ネジ          | SCREW            | 7     |
| 02-63    | 87-274   | ネジ          | SCREW            | 4     |
| 02-64    | 87-278   | ネジ          | SCREW            | 2     |
| 02-65    | 87-286   | ネジ          | SCREW            | 1     |
| 02-66    | 87-292   | 調節ネジ        | SCREW            | 1     |
| 02-67    | 87-400   | 六角穴付きボタンボルト | BOLT             | 1     |
| 02-68    | 87-423   | 段ネジ         | SCREW            | 1     |
| 02-69    | 88-146   | ナット         | NUT              | 1     |
| 02-70    | 91-885   | ベアリング       | BEARING          | 1     |
| 02-71    | 93-205   | Eリング        | E-RING           | 1     |
| 02-72    | 93-701   | ピン          | PIN              | 2     |
| 02-73    | 94-506   | オイルシール      | OIL SEAL         | 1     |
| 02-74    | 87-481   | プラマイナベ小ねじ   | SCREW            | 4     |
| 02-75    | 87-484   | プラマイナベ小ねじ   | SCREW            | 4     |
| 02-76    | 87-485   | プラマイナベ小ねじ   | SCREW            | 6     |
| 02-77    | 27-549   | ベッドカバー      | BED COVER        | 1     |
| 02-78    | 23-577   | ベッドカバーパッキン  | BED COVER GASKET | 1     |

### 3. 糸調子機構

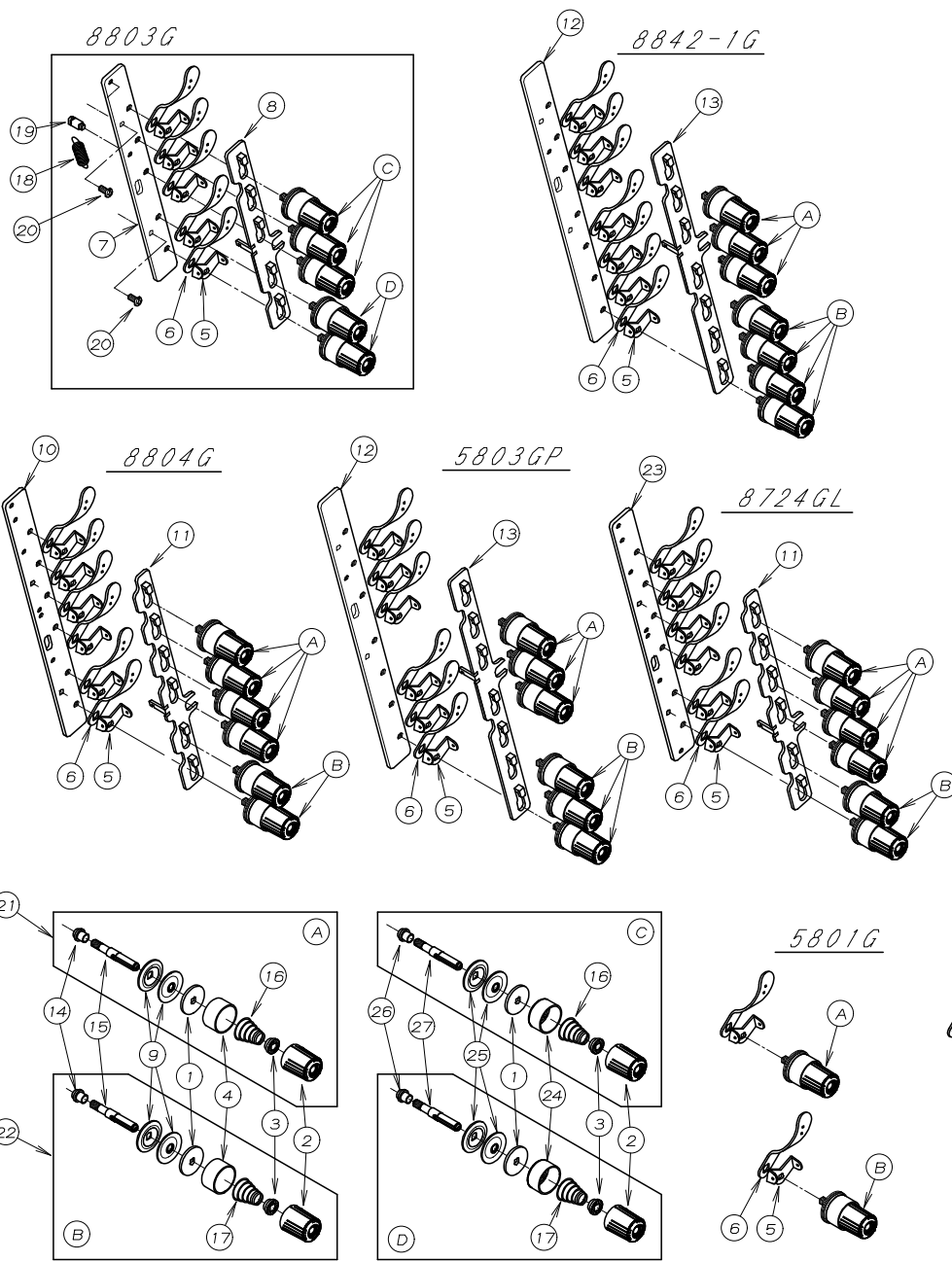
#### THREAD TENSION MECHANISM



| REF. NO. | PART NO.  | 品 名          | DESCRIPTION            | Q' TY |
|----------|-----------|--------------|------------------------|-------|
| 03-01    | 27-039    | シリコンタンク      | SILICONE OIL RESERVOIR | 1     |
| 03-02    | 27-533    | シリコンタンクフタ    | COVER                  | 1     |
| 03-03    | 27-534    | フェルト         | FELT                   | 1     |
| 03-04    | 41-021    | カメ糸道         | THREAD NIPPER          | 1     |
| 03-05    | 41-022    | 小調子台         | THREAD GUIDE BRACKET   | 1     |
| 03-06    | 45-031    | 糸道           | THREAD EYELET          | 7     |
| 03-07    | 45-033    | 上糸捌き         | THREAD GUIDE           | 1     |
| 03-08    | 45-034    | 補助上糸捌き       | THREAD GUIDE           | 1     |
| 03-09    | 45-045    | 上糸カイト        | GUIDE                  | 1     |
| 03-10    | 45-508    | 針株小調子板       | PLATE                  | 1     |
| 03-11    | 45-541    | シリコンタンク糸道    | THREAD EYELET          | 1     |
| 03-12    | 45-551    | シリコンタンク糸道    | THREAD EYELET          | 1     |
| 03-13    | 45-553    | ホルター         | HOLDER                 | 1     |
| 03-14    | 45-567    | 糸ガイド         | THREAD GUIDE           | 1     |
| 03-15    | 45-568    | 糸ガイド糸道       | THREAD EYELET          | 1     |
| 03-16    | 71-202    | シリコンタンク用ピン   | SILICONE PIN           | 2     |
| 03-17    | 71-209    | 平行ピン         | PIN                    | 1     |
| 03-18    | 75-441    | ワッシャ         | WASHER                 | 1     |
| 03-19    | 75-455    | ワッシャ         | WASHER                 | 2     |
| 03-20    | 79-025    | カメ糸道バネ       | SPRING                 | 1     |
| 03-21    | 84-021    | ハネカイトネジ      | SCREW                  | 1     |
| 03-22    | 87-093    | ネジ           | SCREW                  | 1     |
| 03-23    | 87-096    | ネジ           | SCREW                  | 1     |
| 03-24    | 87-099    | ネジ           | SCREW                  | 2     |
| 03-25    | 87-104    | ネジ           | SCREW                  | 3     |
| 03-26    | 87-269    | ネジ           | SCREW                  | 1     |
| 03-27    | 87-372    | タッピングネジ      | SCREW                  | 2     |
| 03-28    | 87-476    | プラマイナベ小ねじ    | SCREW                  | 2~4   |
| 03-29    | 87-481    | プラマイナベ小ねじ    | SCREW                  | 1     |
| 03-30    | 87-482    | プラマイナベ小ねじ    | SCREW                  | 2     |
| 03-31    | 40-523W-3 | シリコンタンク糸道セット | THREAD EYELET ASS'Y    | 1     |
| 03-32    | 43-519    | 糸道           | THREAD EYELET          | 1     |
| 03-33    | 47-803    | ルーハ糸道        | THREAD EYELET          | 1     |
| 03-34    | 45-569    | 糸ガイド糸道       | THREAD EYELET          | 1     |
| 03-35    | 45-528    | 補助金具         | SUPPORT PLATE          | 1     |
| 03-36    | 87-483    | プラマイナベ小ねじ    | SCREW                  | 2     |

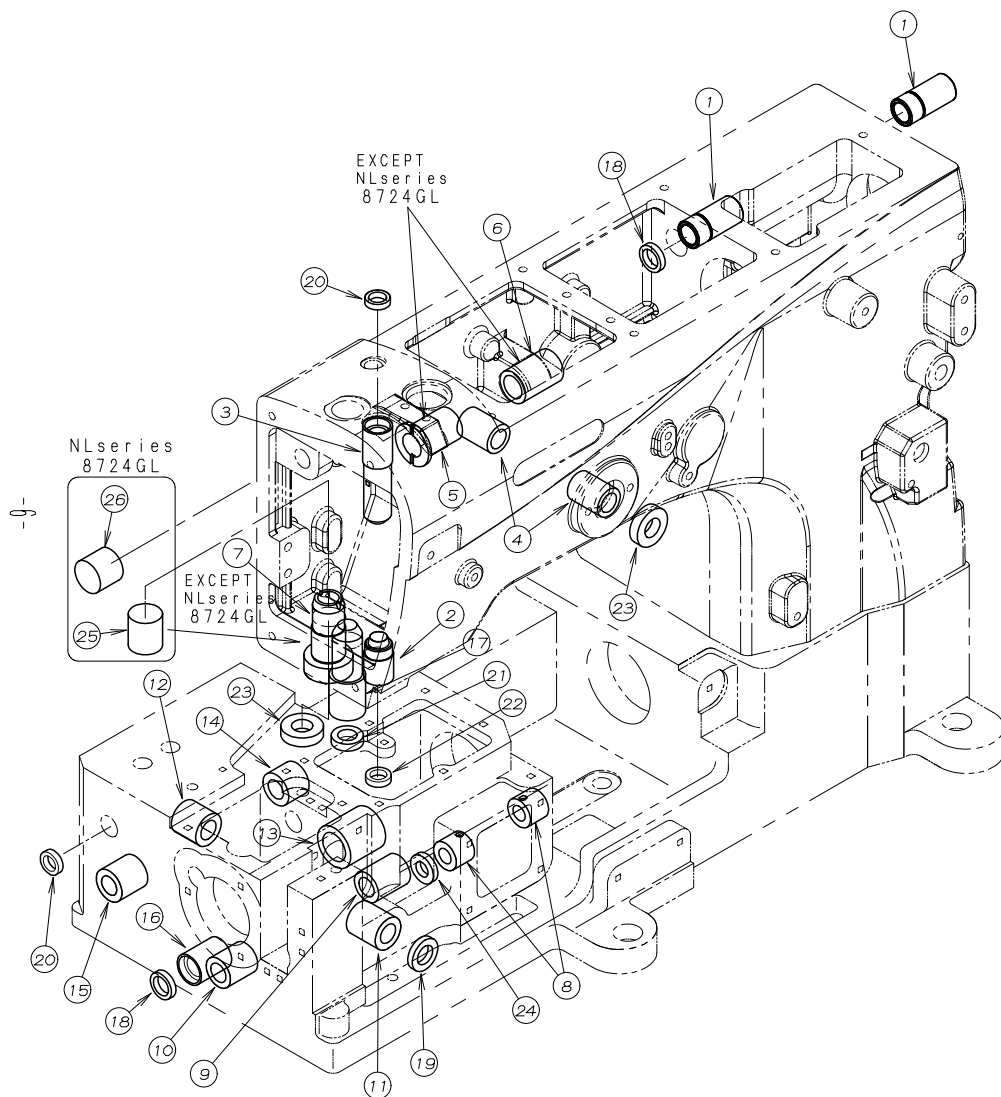
#### 4. 糸調子機構 (UT除外)

#### THREAD TENSION MECHANISM (WITHOUT UT)



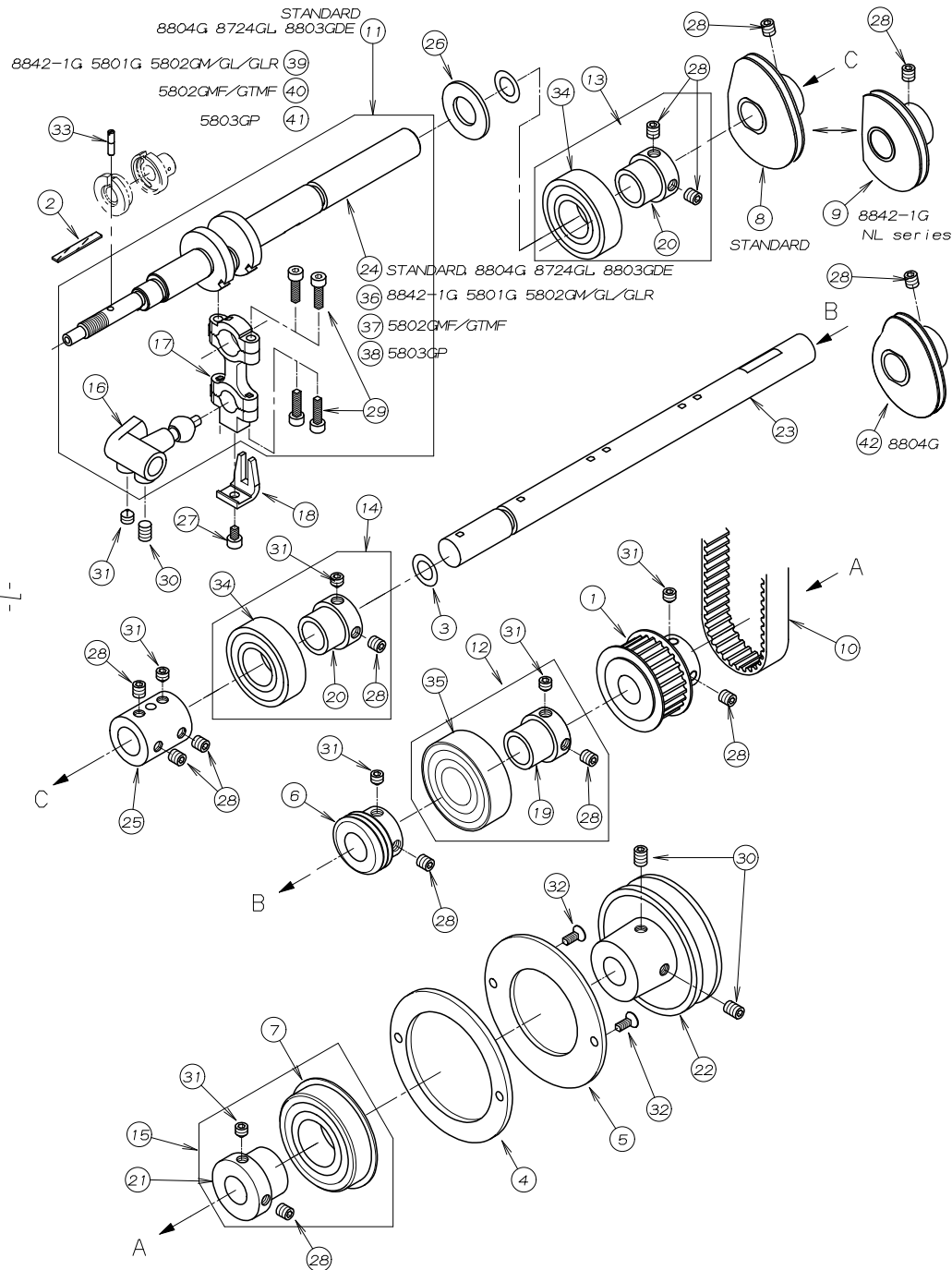
| REF. NO. | PART NO. | 品 名           | DESCRIPTION                | Q' TY |
|----------|----------|---------------|----------------------------|-------|
| 04-01    | 23-324   | フェルト          | FELT                       | *     |
| 04-02    | 41-104   | チャンボ°ン皿小ケース   | THREAD TENSION NUT         | *     |
| 04-03    | 41-105   | チャンボン皿ラチェット   | SPRING POST                | *     |
| 04-04    | 41-106   | チャンボ°ン大ケース    | SPRING CUP                 | *     |
| 04-05    | 41-115   | 糸道 (上)        | THREAD GUIDE               | *     |
| 04-06    | 41-117   | 糸道 (下)        | THREAD GUIDE               | *     |
| 04-07    | 41-501   | ブラケット         | BRACKET                    | 1     |
| 04-08    | 41-502   | 糸緩めプレート       | THREAD RELEASER            | 1     |
| 04-09    | 41-509   | チャンボン皿        | TENSION DISC               | *     |
| 04-10    | 41-518   | フ°ラケット        | BRACKET                    | 1     |
| 04-11    | 41-519   | 糸緩めフ°レート      | THREAD RELEASER            | 1     |
| 04-12    | 41-520   | ブラケット         | BRACKET                    | 1     |
| 04-13    | 41-521   | 糸緩めプレート       | THREAD RELEASER            | 1     |
| 04-14    | 41-526   | 調子棒カラー        | COLLAR                     | *     |
| 04-15    | 41-527   | 調子棒           | SCREW STUD                 | *     |
| 04-16    | 41-701   | チャンボン調子バネ (強) | SPRING (HEAVY)             | 1     |
| 04-17    | 41-702   | チャンボン調子バネ (弱) | SPRING (LIGHT)             | 1     |
| 04-18    | 79-514   | 引張りバネ         | SPRING                     | 1     |
| 04-19    | 84-501   | ネジ            | SCREW                      | 1     |
| 04-20    | 87-482   | プラマイナベ小ねじ     | SCREW                      | 2     |
| 04-21    | 40-7510  | チャンボンセット (強)  | THREAD TENSION SET (HEAVE) | *     |
| 04-22    | 40-7520  | チャンボンセット (弱)  | THREAD TENSION SET (LIGHT) | *     |
| 04-23    | 41-525   | ブラケット         | BRACKET                    | 1     |
| 04-24    | 41-108   | チャンボ°ン大ケース    | SPRING CUP                 | *     |
| 04-25    | 41-528   | チャンボン皿        | TENSION DISC               | *     |
| 04-26    | 41-531   | 調子棒カラー        | COLLAR                     | *     |
| 04-27    | 41-532   | 調子棒           | SCREW STUD                 | *     |

## 5. ブッシュ機構 BUSHING



| REF. NO. | PART NO. | 品 名                | DESCRIPTION | Q'TY |
|----------|----------|--------------------|-------------|------|
| 05-01    | 81-023   | 押工揚ケ' 運動シャフトフ' ッシュ | BUSHING     | 2    |
| 05-02    | 81-047   | 針棒フ' ッシュ (下)       | BUSHING     | 1    |
| 05-03    | 81-048   | 針棒フ' ッシュ (上)       | BUSHING     | 1    |
| 05-04    | 81-506   | ブッシュ               | BUSHING     | 2    |
| 05-05    | 81-507   | ブッシュ               | BUSHING     | 1    |
| 05-06    | 81-508   | ブッシュ               | BUSHING     | 1    |
| 05-07    | 81-587   | 断り糸ル-ハ° -棒フ' ッシュ   | BUSHING     | 1    |
| 05-08    | 81-522   | ブッシュ               | BUSHING     | 2    |
| 05-09    | 81-523   | ブッシュ               | BUSHING     | 1    |
| 05-10    | 81-524   | ブッシュ               | BUSHING     | 1    |
| 05-11    | 81-525   | ブッシュ               | BUSHING     | 1    |
| 05-12    | 81-526   | ブッシュ               | BUSHING     | 1    |
| 05-13    | 81-527   | ブッシュ               | BUSHING     | 1    |
| 05-14    | 81-528   | ブッシュ               | BUSHING     | 1    |
| 05-15    | 81-529   | ブッシュ               | BUSHING     | 1    |
| 05-16    | 81-530   | ブッシュ               | BUSHING     | 1    |
| 05-17    | 81-547   | ブッシュ               | BUSHING     | 1    |
| 05-18    | 94-102   | オイルシール             | OIL SEAL    | 2    |
| 05-19    | 94-222   | オイルシール             | OIL SEAL    | 1    |
| 05-20    | 94-231   | オイルシール             | OIL SEAL    | 2    |
| 05-21    | 94-503   | オイルシール             | OIL SEAL    | 1    |
| 05-22    | 94-511   | オイルシール             | OIL SEAL    | 1    |
| 05-23    | 94-804   | オイルシール             | OIL SEAL    | 2    |
| 05-24    | 94-805   | オイルシール             | OIL SEAL    | 1    |
| 05-25    | 25-506   | 詰栓                 | SEAL PLUG   | 1    |
| 05-26    | 25-507   | 詰栓                 | SEAL PLUG   | 1    |

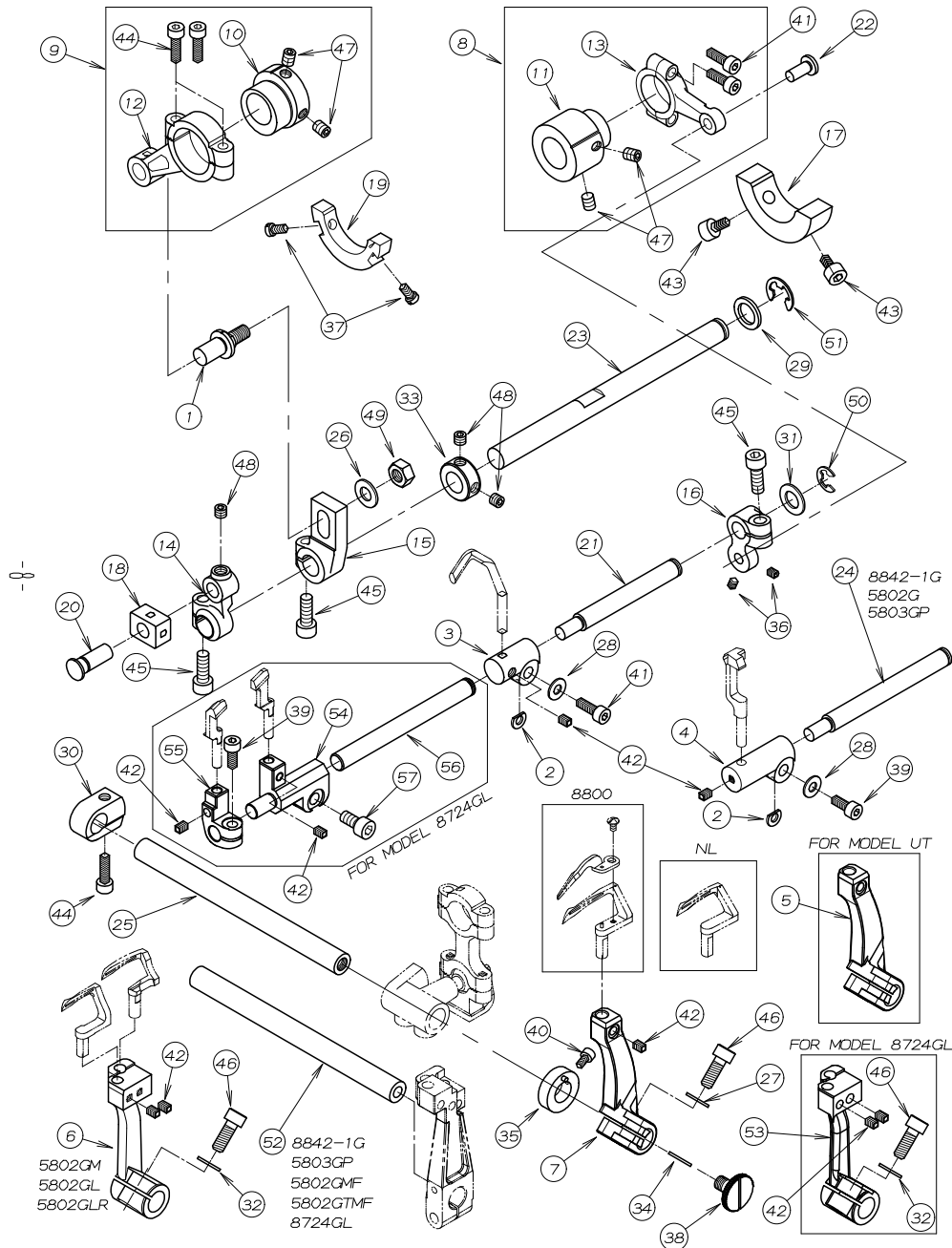
## 6. 下軸機構 CRANKSHAFT MECHANISM



| REF. NO. | PART NO. | 品 名              | DESCRIPTION           | Q' TY |
|----------|----------|------------------|-----------------------|-------|
| 06-01    | 06-239   | タイミングプーリー (下)    | TIMING PULLEY         | 1     |
| 06-02    | 23-341   | フェルト             | FELT                  | 1     |
| 06-03    | 23-527   | O-リング            | O-RING                | 2     |
| 06-04    | 25-519   | ベアリング止め板 (A)     | SET PLATE (A)         | 1     |
| 06-05    | 25-520   | ベアリング止め板 (B)     | SET PLATE (B)         | 1     |
| 06-06    | 31-540   | ポンプ駆動ギア          | PUMP DRIVING WARM     | 1     |
| 06-07    | 34-826   | ホー ルハ° アリンク°     | BEARING               | 1     |
| 06-08    | 49-506   | ハマク° リ           | LOOPER THREAD TAKE-UP | 1     |
| 06-09    | 49-507   | ハマク° リ           | LOOPER THREAD TAKE-UP | 1     |
| 06-10    | 58-007   | タイミングベルト         | TIMING BELT           | 1     |
| 06-11    | 60-5170  | ルーハ°ークランクロット°セット | LOOPER CRANK ASS' Y   | 1     |
| 06-12    | 60-8510  | ベアリングセット         | BEARING ASS' Y        | 1     |
| 06-13    | 60-8520  | ベアリングセット         | BEARING ASS' Y        | 1     |
| 06-14    | 60-8530  | ベアリングセット         | BEARING ASS' Y        | 1     |
| 06-15    | 60-8540  | ベアリングセット         | BEARING ASS' Y        | 1     |
| 06-16    | 61-510   | ルーハ°ー振り玉         | DRIVE BALL            | 1     |
| 06-17    | 63-507   | ルーハ°ー振りロット       | CONNECTING ROD        | 1     |
| 06-18    | 69-513   | 振れ止め             | GUIDE                 | 1     |
| 06-19    | 69-544   | ベアリングスリーブ        | BEARING SLEEVE        | 1     |
| 06-20    | 69-548   | スリーブ             | SLEEVE                | 2     |
| 06-21    | 69-549   | スリーブ             | SLEEVE                | 1     |
| 06-22    | 69-552   | Vプーリー            | V-PULLEY              | 1     |
| 06-23    | 71-573   | 下軸 (右)           | SHAFT                 | 1     |
| 06-24    | 71-838   | 下軸クランク (7)       | CRANK SHAFT (7)       | 1     |
| 06-25    | 75-271   | 下軸シ°ョイント         | JOINT COLLAR          | 1     |
| 06-26    | 75-502   | ワッシャ             | WASHER                | 1     |
| 06-27    | 87-092   | 六角穴付きボルト         | BOLT                  | 1     |
| 06-28    | 87-172   | ネジ°              | SCREW                 | 13    |
| 06-29    | 87-214   | 六角穴付きボルト         | BOLT                  | 4     |
| 06-30    | 87-242   | ネジ°              | SCREW                 | 3     |
| 06-31    | 87-259   | ネジ°              | SCREW                 | 7     |
| 06-32    | 87-270   | ネジ°              | SCREW                 | 2     |
| 06-33    | 87-384   | 回り止めネジ°          | SCREW                 | 1     |
| 06-34    | 91-883   | ハ°アリンク°          | BEARING               | 2     |
| 06-35    | 91-994   | ハ°アリンク°          | BEARING               | 1     |
| 06-36    | 71-839   | 下軸クランク (4. 5)    | CRANK SHAFT (4. 5)    | 1     |
| 06-37    | 71-840   | 下軸クランク (5)       | CRANK SHAFT (5)       | 1     |
| 06-38    | 71-843   | 下軸クランク (5)       | CRANK SHAFT (5)       | 1     |
| 06-39    | 60-5171  | ルーハ°ークランクロット°セット | LOOPER CRANK ASS' Y   | 1     |
| 06-40    | 60-5172  | ルーハ°ークランクロット°セット | LOOPER CRANK ASS' Y   | 1     |
| 06-41    | 60-5173  | ルーハ°ークランクロット°セット | LOOPER CRANK ASS' Y   | 1     |
| 06-42    | 49-508   | ハマク° リ           | LOOPER THREAD TAKE-UP | 1     |

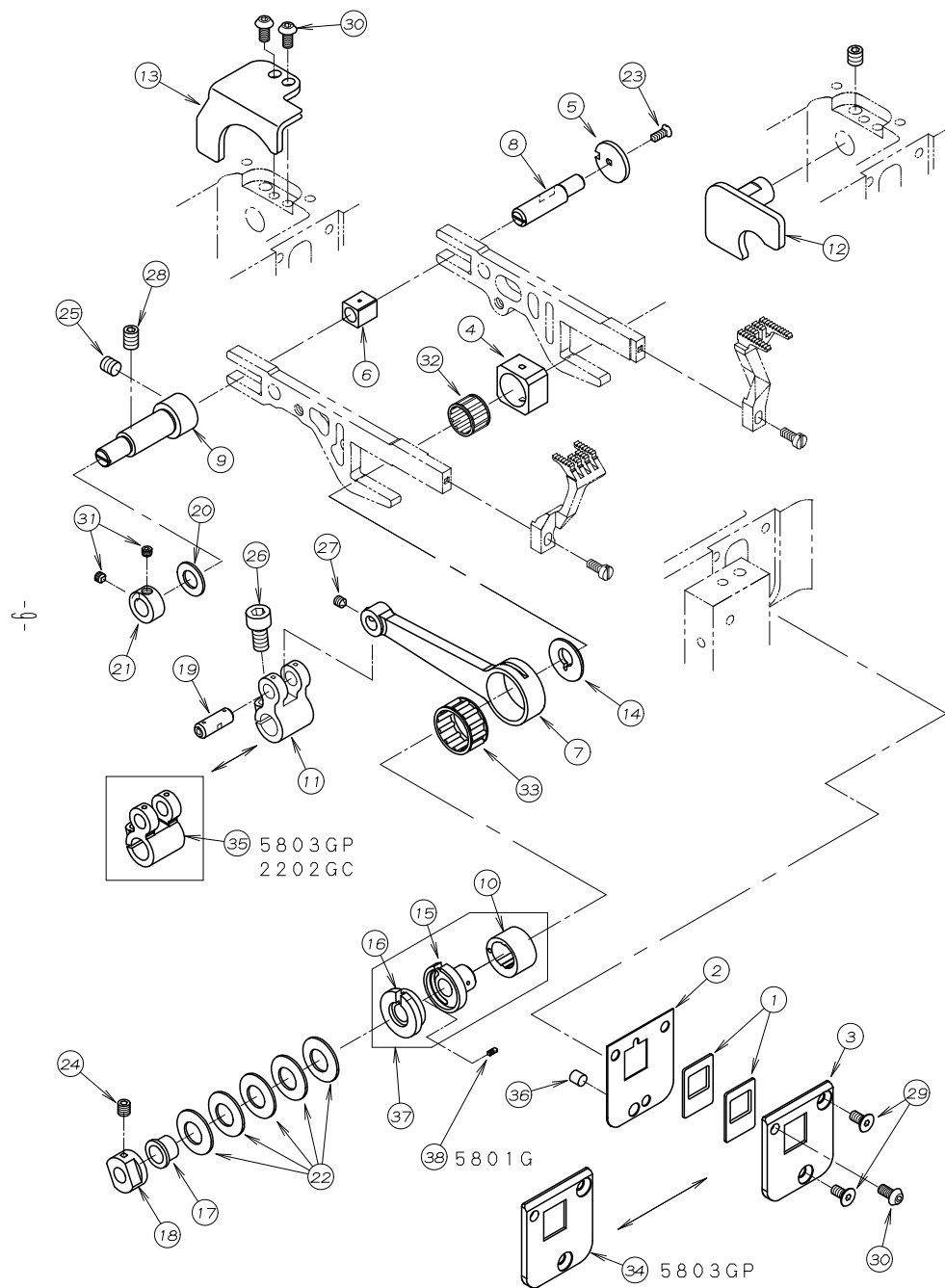
# 7. ルーパー機構、針受機構

## LOOPER MECHANISM, NEEDLE GUARD MECHANISM



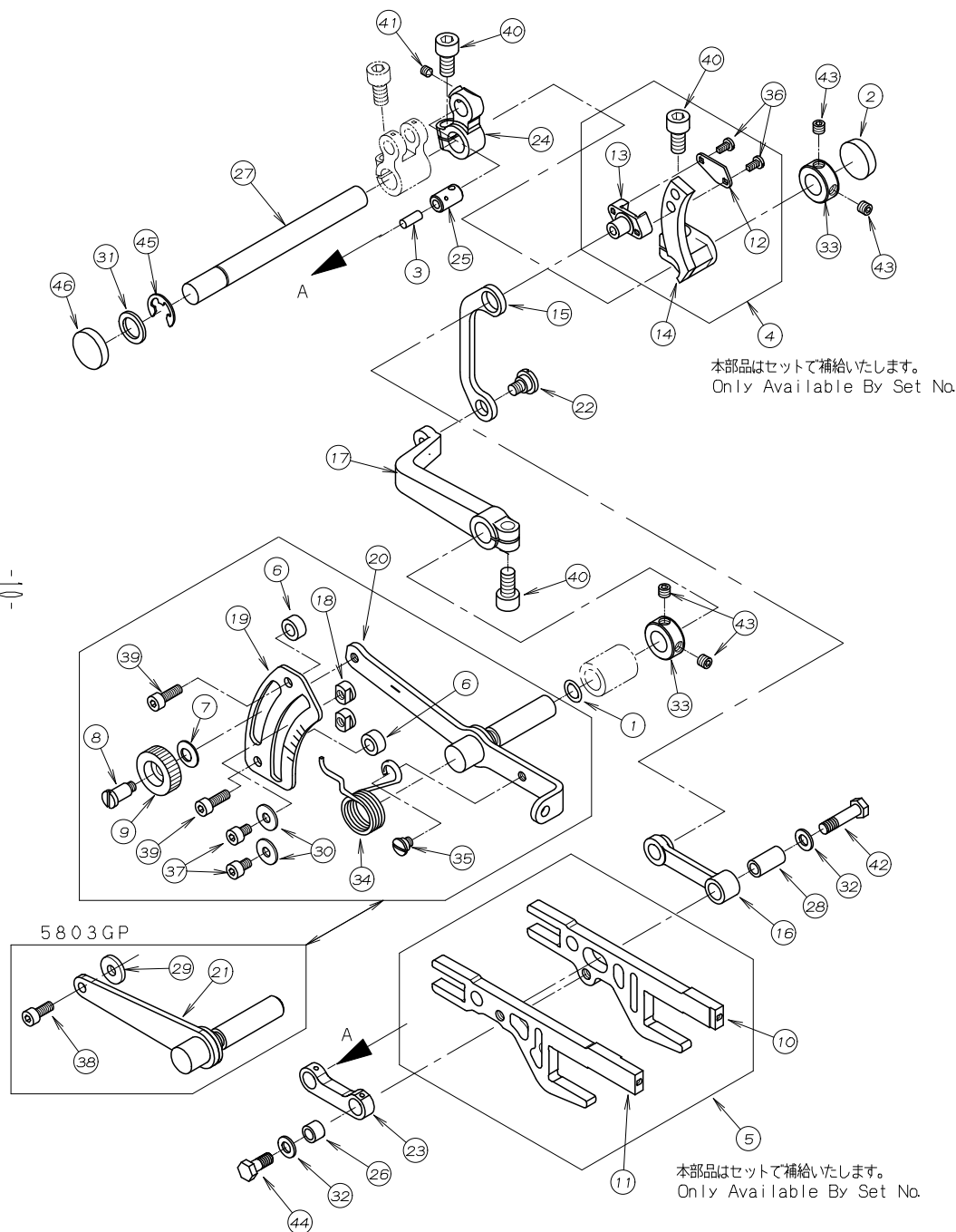
| REF.NO. | PART NO. | 品 名         | DESCRIPTION                       | Q'TY |
|---------|----------|-------------|-----------------------------------|------|
| 07-01   | 04-509   | ピン          | PIN                               | 1    |
| 07-02   | 06-375   | スヘーサー       | WASHER                            | 2    |
| 07-03   | 18-807   | 針受取り付け台     | BRACKET                           | 1    |
| 07-04   | 18-809   | 針受取付台       | NEEDLE GUARD BASE                 | 1    |
| 07-05   | 19-565   | ルーパー台       | LOOPER HOLDER                     | 1    |
| 07-06   | 19-532   | ルーパー台 (1/4) | LOOPER HOLDER                     | 1    |
| 07-07   | 19-567   | ルーパー台       | LOOPER HOLDER                     | 1    |
| 07-08   | 60-5030  | 針受ロッド*セット   | NEEDLE GUARD CONNECTING ROD ASS'Y | 1    |
| 07-09   | 60-5040  | 前後ロッド*セット   | CONNECTING ROD ASS'Y              | 1    |
| 07-10   | 61-523   | 前後エキセン      | ECCENTRIC                         | 1    |
| 07-11   | 61-524   | 針受けエキセン     | ECCENTRIC                         | 1    |
| 07-12   | 63-506   | 前後ロッド       | CONNECTING ROD                    | 1    |
| 07-13   | 63-508   | 針受ロッド       | CONNECTING ROD                    | 1    |
| 07-14   | 67-506   | 前後振りレバー     | LOOPER DRIVING LEVER              | 1    |
| 07-15   | 67-507   | 前後調節レバー     | LEVER                             | 1    |
| 07-16   | 67-508   | 針受け軸レバー     | LEVER NEEDLE GUARD                | 1    |
| 07-17   | 69-507   | 針糸捌きハランス    | MOTION                            | 1    |
| 07-18   | 69-521   | 前後振り角駒      | LOOPER SLIDE BLOCK                | 1    |
| 07-19   | 69-522   | ハランスウェイト    | BALANCE WEIGHT                    | 1    |
| 07-20   | 71-569   | 角コマピン       | PIN                               | 1    |
| 07-21   | 71-571   | 針受け軸        | NEEDLE GUARD SHAFT                | 1    |
| 07-22   | 71-572   | 針受けロッド*ピン   | PIN                               | 1    |
| 07-23   | 71-574   | 前後軸         | LOOPER ROCKER SHAFT               | 1    |
| 07-24   | 71-659   | 針受け軸        | SHAFT NEEDLE GUARD                | 1    |
| 07-25   | 71-680   | ルーパー軸       | LOOPER SHAFT                      | 1    |
| 07-26   | 75-452   | ワッシャ        | WASHER                            | 1    |
| 07-27   | 75-453   | ワッシャ        | WASHER                            | 1    |
| 07-28   | 75-455   | ワッシャ        | WASHER                            | 2    |
| 07-29   | 75-504   | ワッシャ        | WASHER                            | 1    |
| 07-30   | 75-518   | 締めカラー       | COLLAR                            | 1    |
| 07-31   | 75-519   | ワッシャ        | WASHER                            | 1    |
| 07-32   | 75-526   | スプリング*ワッシャ  | SPRING WASHER                     | 2    |
| 07-33   | 75-537   | カラー         | COLLAR                            | 1    |
| 07-34   | 75-541   | スヘースワッシャ    | WASHER                            | 1    |
| 07-35   | 75-557   | 位置決めカラー     | COLLAR                            | 1    |
| 07-36   | 84-314   | ネジ          | SCREW                             | 2    |
| 07-37   | 84-362   | ネジ          | SCREW                             | 2    |
| 07-38   | 87-040   | 調節ネジ        | ADJUST SCREW                      | 1    |
| 07-39   | 87-113   | 六角穴付きボルト    | BOLT                              | 2    |
| 07-40   | 87-123   | 六角穴付きボルト    | BOLT                              | 1    |
| 07-41   | 87-129   | 六角穴付きボルト    | BOLT                              | 3    |
| 07-42   | 87-181   | ネジ          | SCREW                             | 9    |
| 07-43   | 87-024   | 六角穴付きボルト    | BOLT                              | 2    |
| 07-44   | 87-214   | 六角穴付きボルト    | BOLT                              | 3    |
| 07-45   | 87-224   | 六角穴付きボルト    | BOLT                              | 3    |
| 07-46   | 87-245   | 六角穴付きボルト    | BOLT                              | 3    |
| 07-47   | 87-254   | ネジ          | SCREW                             | 4    |
| 07-48   | 87-274   | ネジ          | SCREW                             | 3    |
| 07-49   | 88-166   | ナット         | NUT                               | 1    |
| 07-50   | 93-213   | E型止め輪       | E-RING                            | 1    |
| 07-51   | 93-222   | Eリング        | E-RING                            | 1    |
| 07-52   | 71-575   | ルーパー軸       | LOOPER SHAFT                      | 1    |
| 07-53   | 19-798   | ルーパー台       | LOOPER HOLDER                     | 1    |
| 07-54   | 18-795   | 右針針受後取付台    | NEEDLE GUARD BASE (RIGHT)         | 1    |
| 07-55   | 18-796   | 左針針受後取付台    | NEEDLE GUARD BASE (LEFT)          | 1    |
| 07-56   | 71-832   | 針受け軸        | NEEDLE GUARD SHAFT                | 1    |
| 07-57   | 87-213   | 六角穴付きボルト    | BOLT                              | 1    |

## 8. 送り機構 (1) FEED MECHANISM (1)

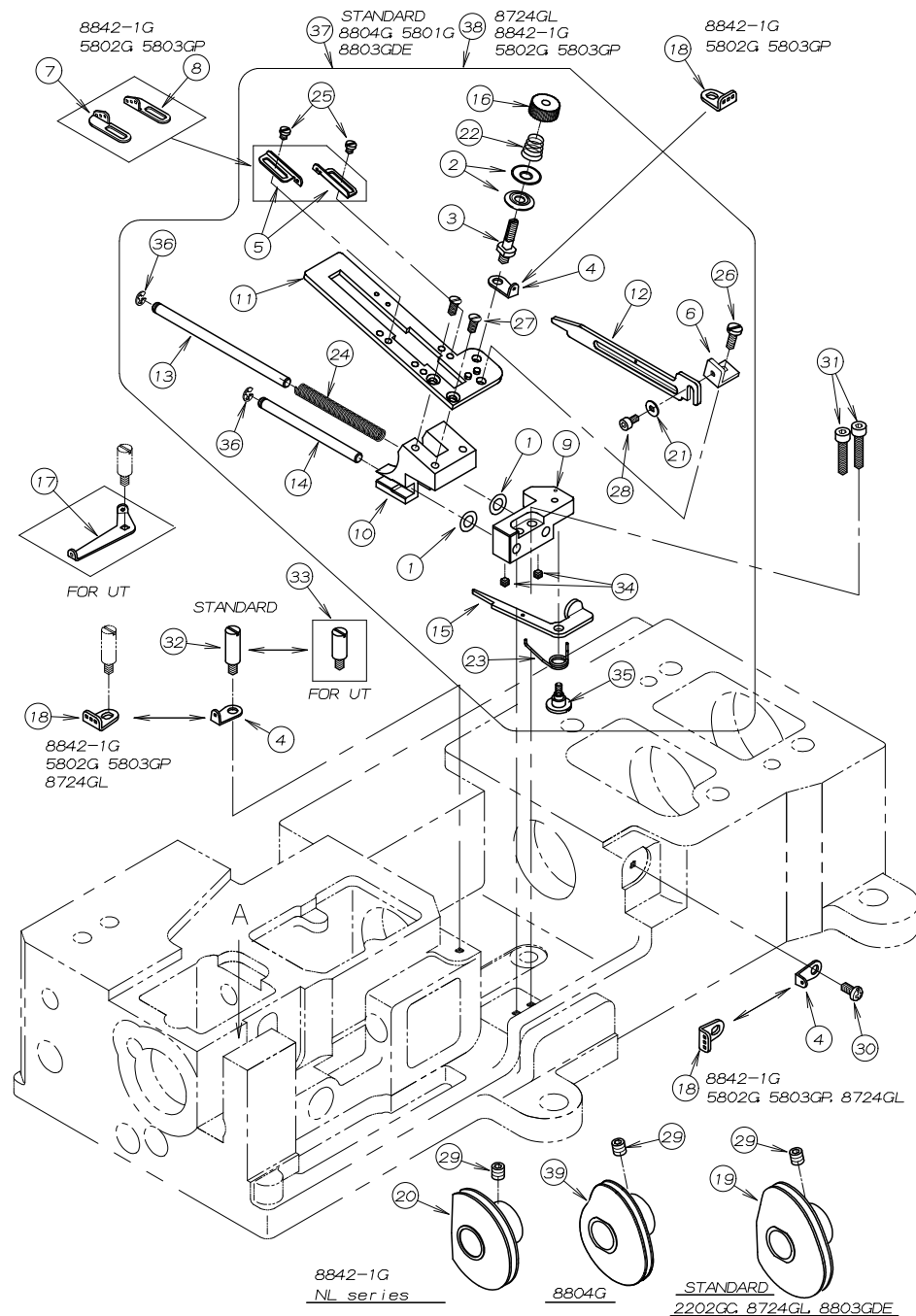


| REF. NO. | PART NO. | 品 名              | DESCRIPTION            | Q' TY |
|----------|----------|------------------|------------------------|-------|
| 08-01    | 23-520   | 送り土台シールド         | FEED BAR SHIELD        | 2     |
| 08-02    | 27-324   | 送り土台シールドプレート     | FEED BAR SHIELD PLATE  | 1     |
| 08-03    | 27-325   | 送り土台シールドカバー      | FEED BAR SHIELD COVER  | 1     |
| 08-04    | 51-832   | 送り上下角コマ          | FEED BAR BLOCK         | 1     |
| 08-05    | 51-833   | 調節ワッシャ           | WASHER                 | 1     |
| 08-06    | 51-835   | 角コマ (後)          | BLOCK                  | 1     |
| 08-07    | 51-879   | 主送り連結リンク         | CONNECTING LINK        | 1     |
| 08-08    | 51-881   | 調節エキセンピン         | ECCENTRIC PIN          | 1     |
| 08-09    | 51-882   | エキセンピンワッシャ       | BUSHING                | 1     |
| 08-10    | 61-537   | エキセン玉 (小)        | ECCENTRIC (SMALL)      | 1     |
| 08-11    | 63-509   | 主送り連結レバー         | LEVER                  | 1     |
| 08-12    | 69-524   | 送り土台スラストプレート (右) | GUIDE PLATE (RIGHT)    | 1     |
| 08-13    | 69-525   | 送り土台スラストプレート (左) | GUIDE PLATE (LEFT)     | 1     |
| 08-14    | 69-555   | スプーサー            | WASHER                 | 1     |
| 08-15    | 69-556   | 送りエキセン           | FEED ECCENTRIC         | 1     |
| 08-16    | 69-557   | 送りエキセン台          | FEED ECCENTRIC BRACKET | 1     |
| 08-17    | 69-558   | カラー              | COLLAR                 | 1     |
| 08-18    | 69-559   | ナット              | NUT                    | 1     |
| 08-19    | 71-431   | ピン               | PIN                    | 1     |
| 08-20    | 75-542   | ワッシャ             | WASHER                 | 1     |
| 08-21    | 75-561   | カラー              | COLLAR                 | 1     |
| 08-22    | 79-928   | 皿バネ              | SPRING                 | 5     |
| 08-23    | 84-192   | ネジ               | SCREW                  | 1     |
| 08-24    | 87-058   | 六角穴付止めネジM5x5L    | SCREW M5x5L            | 1     |
| 08-25    | 87-172   | ネジ               | SCREW                  | 2     |
| 08-26    | 87-225   | 六角穴付きボルト         | BOLT                   | 1     |
| 08-27    | 87-233   | ネジ               | SCREW                  | 1     |
| 08-28    | 87-242   | ネジ               | SCREW                  | 1     |
| 08-29    | 87-269   | ネジ               | SCREW                  | 2     |
| 08-30    | 87-272   | ネジ               | SCREW                  | 3     |
| 08-31    | 87-322   | ネジ               | SCREW                  | 2     |
| 08-32    | 91-414   | ニードルベアリング        | NEEDLE BEARING         | 1     |
| 08-33    | 91-418   | ニードルゲージ          | NEEDLE GAUGE           | 1     |
| 08-34    | 27-357   | 送り土台シールドカバー      | FEED BAR SHIELD COVER  | 1     |
| 08-35    | 63-520   | 主送り連結レバー         | LEVER                  | 1     |
| 08-36    | 23-548   | フェルト             | FELT                   | 1     |
| 08-37    | 60-5180  | 送りエキセンセット        | FEED ECCENTRIC ASS'Y   | 1     |
| 08-38    | 87-446   | 段ネジ              | SCREW                  | 1     |

## 9. 送り機構 (2) FEED MECHANISM (2)



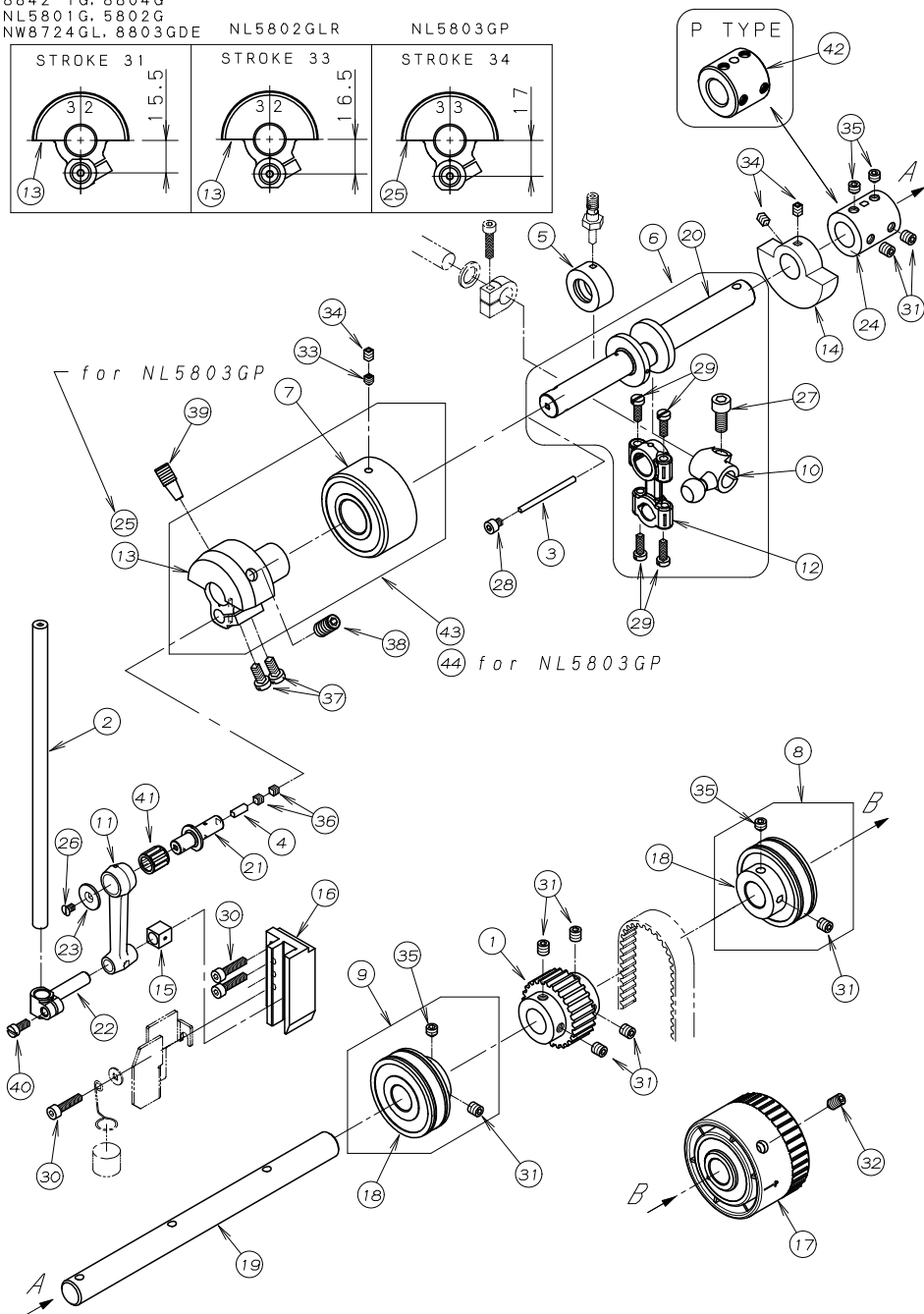
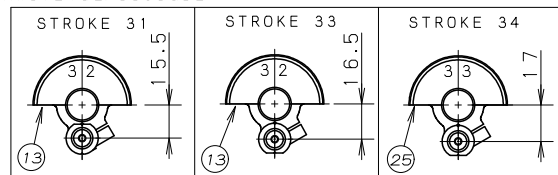
| REF. NO. | PART NO. | 品 名         | DESCRIPTION                       | Q' TY |
|----------|----------|-------------|-----------------------------------|-------|
| 09-01    | 23-188   | Oリング        | O-RING                            | 1     |
| 09-02    | 23-519   | コ ム栓        | PLUG                              | 1     |
| 09-03    | 23-567   | フェルト        | FELT                              | 1     |
| 09-04    | 50-5060  | 差動調節レバ ーセット | DIFFERENTIAL CONTROL LEVER SET    | 1     |
| 09-05    | 50-8280  | 送り土台セット     | FEED BRACKET SET                  | 1     |
| 09-06    | 51-805   | スヘ ースカラー    | COLLAR                            | 2     |
| 09-07    | 51-806   | 皿ハ ーネ       | SPRING                            | 1     |
| 09-08    | 51-807   | 段ネジ         | SCREW                             | 1     |
| 09-09    | 51-808   | ナット         | NUT                               | 1     |
| 09-10    | 51-829   | 主送り土台       | MAIN FEED BRACKET                 | 1     |
| 09-11    | 51-830   | 差動送り土台      | DIFFERENTIAL FEED BRACKET         | 1     |
| 09-12    | 51-838   | スラストカバー     | THRUST COVER                      | 1     |
| 09-13    | 51-839   | 差動調節スライダ    | FEED DOG ADJUST SLIDER            | 1     |
| 09-14    | 51-840   | 差動調節レバ ー    | DIFFERENTIAL FEED CONTROL LEVER   | 1     |
| 09-15    | 51-841   | 差動調節リンク     | DIFFERENTIAL REGULATING LINK      | 1     |
| 09-16    | 51-842   | 差動送り連結リンク   | DIFFERENTIAL FEED CONNECTING LINK | 1     |
| 09-17    | 51-843   | 差動連結レバ ー    | DIFFERENTIAL CONNECTING LEVER     | 1     |
| 09-18    | 51-846   | ストッパ ー      | STOPPER                           | 2     |
| 09-19    | 51-847   | 差動目盛板       | DIFFERENTIAL FEED GRADUATION      | 1     |
| 09-20    | 51-867   | 差動レバ ー軸     | SHAFT                             | 1     |
| 09-21    | 51-869   | 差動固定レバ ー軸   | SHAFT                             | 1     |
| 09-22    | 51-877   | 差動連結ピ ン     | DIFFERENTIAL CONNECTING PIN       | 1     |
| 09-23    | 51-880   | 主送り台リンク     | LINK                              | 1     |
| 09-24    | 63-519   | 主送り台レバ ー    | LEVER                             | 1     |
| 09-25    | 71-288   | リンクピ ン      | PIN                               | 1     |
| 09-26    | 71-289   | 主送り連結ピ ン    | PIN                               | 1     |
| 09-27    | 71-576   | 送り土台シャフト    | FEED BAR DRIVING SHAFT            | 1     |
| 09-28    | 71-578   | 差動送り連結ピ ン   | DIFFERENTIAL FEED CONNECTING PIN  | 1     |
| 09-29    | 75-456   | ワッシャ        | WASHER                            | 1     |
| 09-30    | 75-467   | ワッシャ        | WASHER                            | 2     |
| 09-31    | 75-504   | ワッシャ        | WASHER                            | 1     |
| 09-32    | 75-520   | ワッシャ        | WASHER                            | 2     |
| 09-33    | 75-537   | カラー         | COLLAR                            | 2     |
| 09-34    | 79-529   | 巻ハ ーネ       | SPRING                            | 1     |
| 09-35    | 84-585   | 段ネジ         | SCREW                             | 1     |
| 09-36    | 87-090   | ネジ          | SCREW                             | 2     |
| 09-37    | 87-092   | 六角穴付きボルト    | BOLT                              | 2     |
| 09-38    | 87-113   | 六角穴付きボルト    | BOLT                              | 1     |
| 09-39    | 87-129   | 六角穴付きボルト    | BOLT                              | 2     |
| 09-40    | 87-225   | 六角穴付きボルト    | BOLT                              | 3     |
| 09-41    | 87-233   | ネジ          | SCREW                             | 1     |
| 09-42    | 87-237   | ネジ          | SCREW                             | 1     |
| 09-43    | 87-274   | ネジ          | SCREW                             | 4     |
| 09-44    | 87-355   | ネジ          | SCREW                             | 1     |
| 09-45    | 93-222   | Eリング        | E-RING                            | 1     |
| 09-46    | 94-403   | 盲オイルシール     | OIL SEAL                          | 1     |



| REF. NO. | PART NO. | 品 名          | DESCRIPTION                | Q'TY |
|----------|----------|--------------|----------------------------|------|
| 10-01    | 23-183   | O-リング        | O-RING                     | 2    |
| 10-02    | 41-155   | チャンホ°ン皿      | DISC                       | 2    |
| 10-03    | 41-504   | 調子棒          | TENSION POST               | 1    |
| 10-04    | 43-519   | 糸道           | THREAD EYELET              | 3    |
| 10-05    | 43-521   | 糸道           | THREAD EYELET              | 2    |
| 10-06    | 43-548   | 糸案内取付台       | HOLDER                     | 1    |
| 10-07    | 43-549   | ルーハ°-糸道 (左)  | THREAD EYELET              | 1    |
| 10-08    | 43-550   | ルーハ°-糸道 (右)  | THREAD EYELET              | 1    |
| 10-09    | 43-561   | 下糸捌き土台       | BRACKET                    | 1    |
| 10-10    | 43-577   | 下糸捌きスライド°土台  | SLIDE BRACKET              | 1    |
| 10-11    | 43-563   | 下糸捌き板        | SUPPORT BRACKET            | 1    |
| 10-12    | 43-564   | 糸案内フ°レート     | THREAD GUIDE PLATE         | 1    |
| 10-13    | 43-578   | 丸棒カ°イト° (長)  | GUIDE BAR (L)              | 1    |
| 10-14    | 43-579   | 丸棒カ°イト° (短)  | GUIDE BAR (S)              | 1    |
| 10-15    | 43-579   | ストップ°レハ°-    | LEVER                      | 1    |
| 10-16    | 43-568   | 小チャンホ°ンナット   | NUT                        | 1    |
| 10-17    | 45-513   | 小調子台糸道       | THREAD GUIDE               | 1    |
| 10-18    | 47-803   | ルーハ°-糸道      | THREAD EYELET              | 3    |
| 10-19    | 49-506   | ハマク°リ        | LOOPER THREAD TAKE-UP      | 1    |
| 10-20    | 49-507   | ハマク°リ        | LOOPER THREAD TAKE-UP      | 1    |
| 10-21    | 75-224   | ワッシャ         | WASHER                     | 1    |
| 10-22    | 79-534   | ハ°ネ          | SPRING                     | 1    |
| 10-23    | 79-564   | レハ°-ハ°ネ      | SPRING                     | 1    |
| 10-24    | 79-565   | 押しハ°ネ        | SPRING                     | 1    |
| 10-25    | 84-167   | ネジ°          | SCREW                      | 2    |
| 10-26    | 84-363   | ネジ°          | SCREW                      | 1    |
| 10-27    | 84-462   | ネジ°          | SCREW                      | 2    |
| 10-28    | 87-123   | 六角穴付きボルト     | BOLT                       | 1    |
| 10-29    | 87-172   | ネジ°          | SCREW                      | 3    |
| 10-30    | 87-482   | プラマイナベ小ねじ    | SCREW                      | 1    |
| 10-31    | 87-230   | 六角穴付きボルト     | BOLT                       | 2    |
| 10-32    | 87-268   | カハ°-ストップ°ネジ° | SCREW                      | 1    |
| 10-33    | 87-310   | カハ°-ストップ°ネジ° | SCREW                      | 1    |
| 10-34    | 87-322   | ネジ°          | SCREW                      | 2    |
| 10-35    | 87-334   | レハ°-止めネジ°    | SCREW                      | 1    |
| 10-36    | 93-201   | Eリング         | E-RING                     | 2    |
| 10-37    | 40-5490  | 下糸捌きセット      | LOOPER THREAD EYELET ASS'Y | 1    |
| 10-38    | 40-5620  | 下糸捌きセット      | LOOPER THREAD EYELET ASS'Y | 1    |
| 10-39    | 49-508   | ハマク°リ        | LOOPER THREAD TAKE-UP      | 1    |

# 11. 針棒上軸機構 NEEDLE BAR MECHANISM

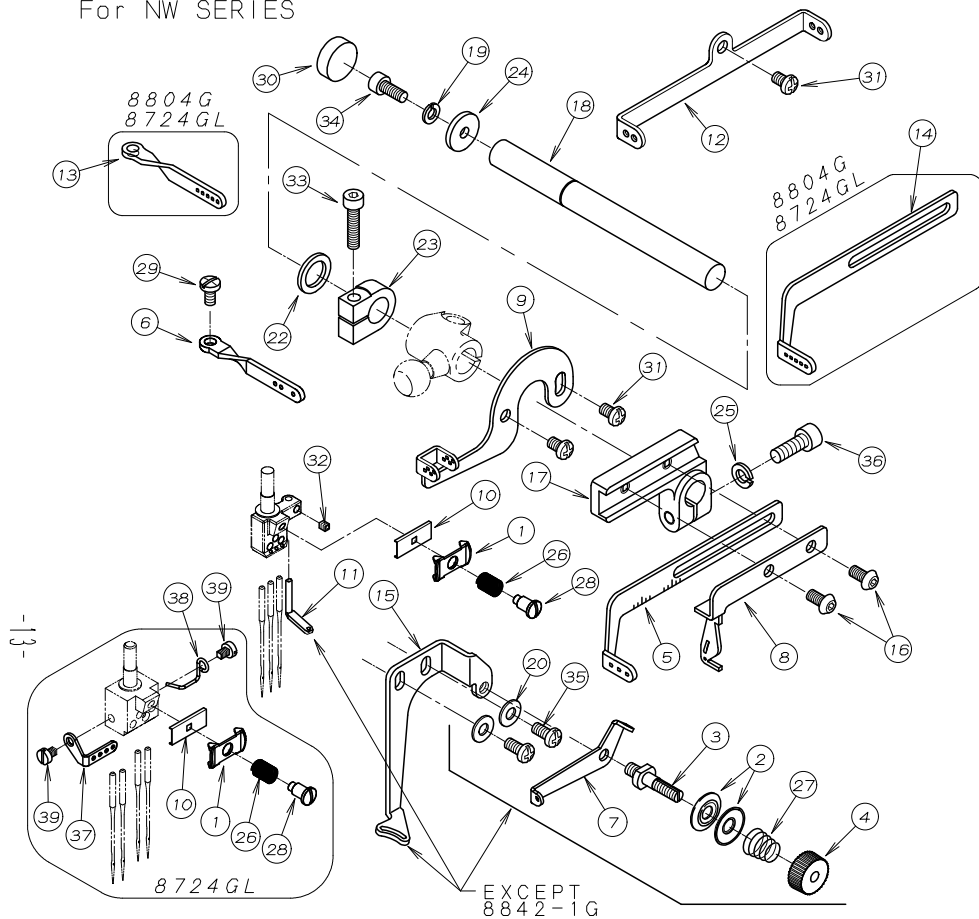
NW STANDARD  
8842-1G, 8804G  
NL5801G, 5802G  
NW8724GL, 8803GDE NL5802GLR NL5803GP



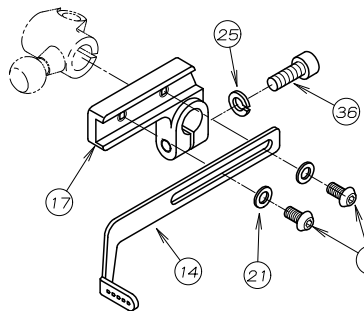
| REF. NO. | PART NO.  | 品 名            | DESCRIPTION           | Q' TY |
|----------|-----------|----------------|-----------------------|-------|
| 11-01    | 06-238    | タイミングプーリー (上)  | TIMING PULLEY         | 1     |
| 11-02    | 11-409    | 針棒             | NEEDLE BAR            | 1     |
| 11-03    | 23-063    | フェルト           | FELT                  | 1     |
| 11-04    | 23-567    | フェルト           | FELT                  | 1     |
| 11-05    | 35-559    | オイルスリーブ*       | OIL SLEEVE            | 1     |
| 11-06    | 60-5160   | 上軸左系捌きロッド* セット | CONNECTING ROD ASS' Y | 1     |
| 11-07    | 91-913    | ベアリング          | BEARING               | 1     |
| 11-08    | 60-8500-K | ベアリングセット       | BEARING ASS' Y        | 1     |
| 11-09    | 60-8510-K | ベアリングセット       | BEARING ASS' Y        | 1     |
| 11-10    | 61-745    | 針系捌きロッド玉       | ECCENTRIC             | 1     |
| 11-11    | 63-427    | 針棒リンク          | LINK                  | 1     |
| 11-12    | 63-518    | 針系捌きロッド        | CONNECTING ROD        | 1     |
| 11-13    | 66-523    | 針棒クランク (32)    | NEEDLE CRANK ASS' Y   | 1     |
| 11-14    | 69-142    | クランクモーション      | BALANCE WEIGHT        | 1     |
| 11-15    | 69-532    | 角コ マ           | BLOCK                 | 1     |
| 11-16    | 69-533    | 針棒カ イト*        | GUIDE                 | 1     |
| 11-17    | 69-545    | ハント フ ーリー      | HAND WHEEL            | 1     |
| 11-18    | 91-914    | ベアリング          | BEARING               | 2     |
| 11-19    | 71-830    | 上軸 (右)         | UPPER SHAFT (RIGHT)   | 1     |
| 11-20    | 71-836    | 上軸 (左)         | UPPER SHAFT (LEFT)    | 1     |
| 11-21    | 71-837    | 針棒リンクピ ン (0.5) | LINK PIN              | 1     |
| 11-22    | 73-504    | 針棒抱き           | NEEDLE BAR BRACKET    | 1     |
| 11-23    | 75-004    | 針棒リンクセント フ レート | WASHER                | 1     |
| 11-24    | 75-271    | シ ョイント         | JOINT COLLAR          | 1     |
| 11-25    | 66-525    | 針棒クランク (33)    | NEEDLE CRANK ASS' Y   | 1     |
| 11-26    | 84-463    | ネジ             | SCREW                 | 1     |
| 11-27    | 87-057    | 六角穴付ボルトM6×14 L | SCREW M6×14 L         | 1     |
| 11-28    | 87-067    | 六角穴付きボルト       | BOLT                  | 1     |
| 11-29    | 87-097    | ネジ             | SCREW                 | 4     |
| 11-30    | 87-112    | 六角穴付きボルト       | BOLT                  | 3     |
| 11-31    | 87-172    | ネジ             | SCREW                 | 8     |
| 11-32    | 87-241    | ネジ             | SCREW                 | 1     |
| 11-33    | 87-253    | ネジ             | SCREW                 | 1     |
| 11-34    | 87-254    | ネジ             | SCREW                 | 3     |
| 11-35    | 87-259    | ネジ             | SCREW                 | 4     |
| 11-36    | 87-274    | ネジ             | SCREW                 | 2     |
| 11-37    | 87-278    | ネジ             | SCREW                 | 2     |
| 11-38    | 87-368    | ネジ             | SCREW                 | 1     |
| 11-39    | 87-369    | ネジ             | SCREW                 | 1     |
| 11-40    | 87-520    | ネジ             | SCREW                 | 1     |
| 11-41    | 91-264    | ニート ルハ アリンク*   | BEARING               | 1     |
| 11-42    | 75-273    | 上軸ジョイント        | UPPER SHAFT JOINT     | 1     |
| 11-43    | 60-8492   | ベアリングセット 函     | BEARING ASS' Y        | 1     |
| 11-44    | 60-8493   | ベアリングセット 函     | BEARING ASS' Y        | 1     |

## 12. 上糸捌き機構 NEEDLE THREAD MECHANISM

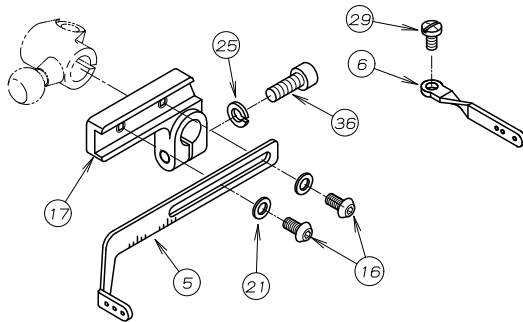
For NW SERIES



For 8724GL



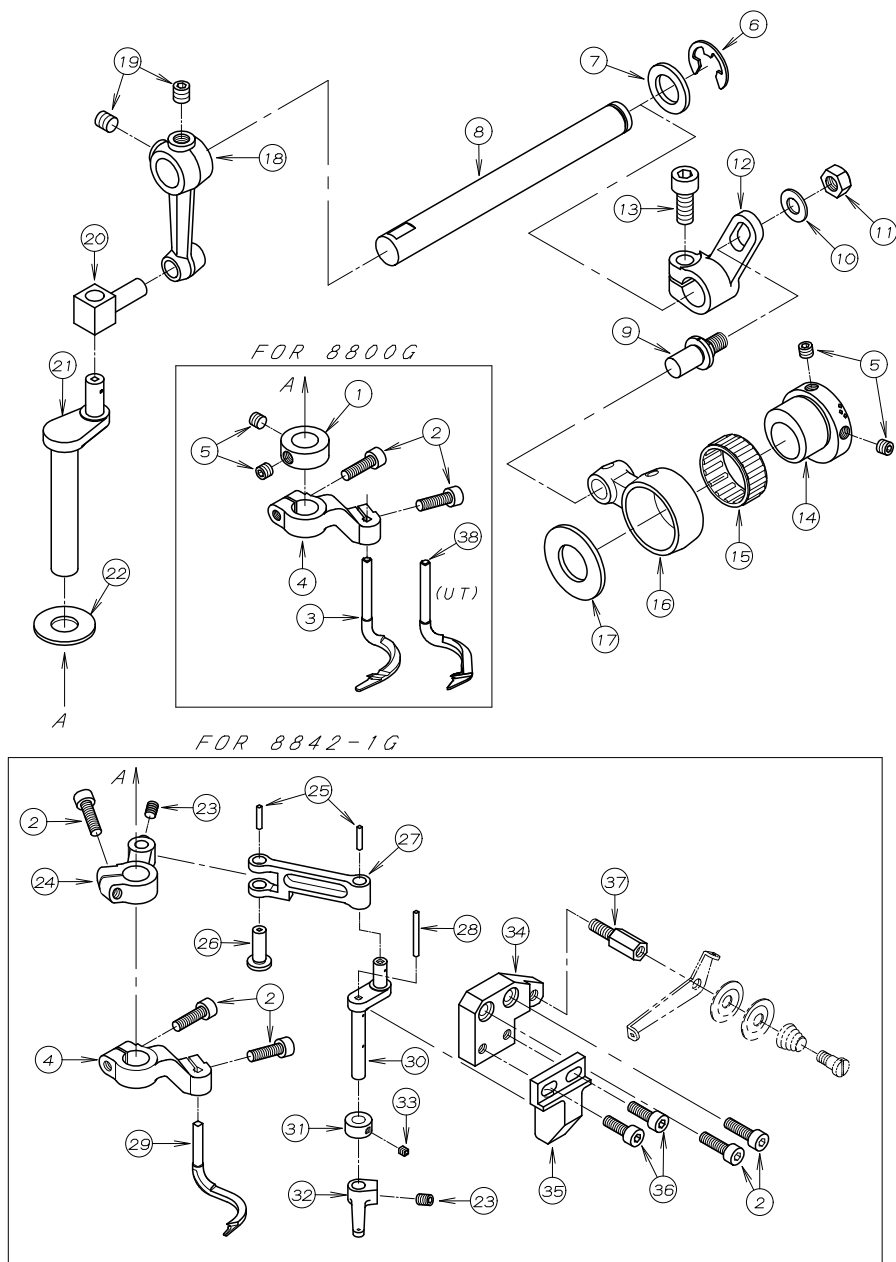
For NL SERIES



| REF. NO. | PART NO. | 品 名         | DESCRIPTION           | Q'TY |
|----------|----------|-------------|-----------------------|------|
| 12-01    | 41-021   | カメ糸道        | THREAD NIPPER         | 1    |
| 12-02    | 41-155   | チャンホ°ン皿     | DISC                  | 2    |
| 12-03    | 41-504   | 調子棒         | TENSION POST          | 1    |
| 12-04    | 43-568   | 小チャンホ°ンナット  | NUT                   | 1    |
| 12-05    | 45-032   | 針糸サバキ       | NEEDLE THREAD TAKE-UP | 1    |
| 12-06    | 45-035   | 針棒糸道        | THREAD EYELET         | 1    |
| 12-07    | 45-036   | 糸道          | THREAD EYELET         | 1    |
| 12-08    | 45-502   | 飾り糸捌き       | THREAD TAKE-UP        | 1    |
| 12-09    | 45-507   | 飾り糸捌き糸道     | THREAD EYELET         | 1    |
| 12-10    | 45-508   | 針株小調子板      | PLATE                 | 1    |
| 12-11    | 45-514   | 飾り糸道        | THREAD EYELET         | 1    |
| 12-12    | 45-515   | 飾り糸道        | THREAD EYELET         | 1    |
| 12-13    | 45-535   | 針棒糸道        | THREAD EYELET         | 1    |
| 12-14    | 45-536   | 針糸捌き        | NEEDLE THREAD TAKE-UP | 1    |
| 12-15    | 45-539   | 飾り糸案内       | BRACKET               | 1    |
| 12-16    | 87-272   | ネジ°         | SCREW                 | 2    |
| 12-17    | 67-502   | 針糸捌き取付台     | LEVER                 | 1    |
| 12-18    | 71-514   | 針糸捌きシャフト    | SHAFT                 | 1    |
| 12-19    | 75-410   | スフ°リンク°ワッシャ | SPRING WASHER         | 1    |
| 12-20    | 75-455   | ワッシャ        | WASHER                | 2    |
| 12-21    | 75-468   | ワッシャ        | WASHER                | 2    |
| 12-22    | 75-504   | ワッシャ        | WASHER                | 1    |
| 12-23    | 75-505   | カラー         | COLLAR                | 1    |
| 12-24    | 75-508   | ワッシャ        | WASHER                | 1    |
| 12-25    | 75-526   | スフ°リンク°ワッシャ | SPRING WASHER         | 1    |
| 12-26    | 79-025   | カメ糸道バネ      | SPRING                | 1    |
| 12-27    | 79-534   | ハ°ネ         | SPRING                | 1    |
| 12-28    | 84-021   | ハ°ネカ°イト°ネジ° | SCREW                 | 1    |
| 12-29    | 84-374   | ネジ°         | SCREW                 | 1    |
| 12-30    | 94-504   | シールキャップ°    | PLUG                  | 1    |
| 12-31    | 87-481   | プラマイナベ小ねじ   | SCREW                 | 3    |
| 12-32    | 87-104   | ネジ°         | SCREW                 | 1    |
| 12-33    | 87-112   | 六角穴付きボルト    | BOLT                  | 1    |
| 12-34    | 87-113   | 六角穴付きボルト    | BOLT                  | 1    |
| 12-35    | 87-482   | プラマイナベ小ねじ   | SCREW                 | 2    |
| 12-36    | 87-224   | 六角穴付きボルト    | BOLT                  | 1    |
| 12-37    | 45-804   | 針株糸道前       | FRONT THREAD EYELET   | 1    |
| 12-38    | 45-805   | 針株糸道後       | REAR THREAD EYELET    | 1    |
| 12-39    | 87-095   | ネジ°         | SCREW                 | 2    |

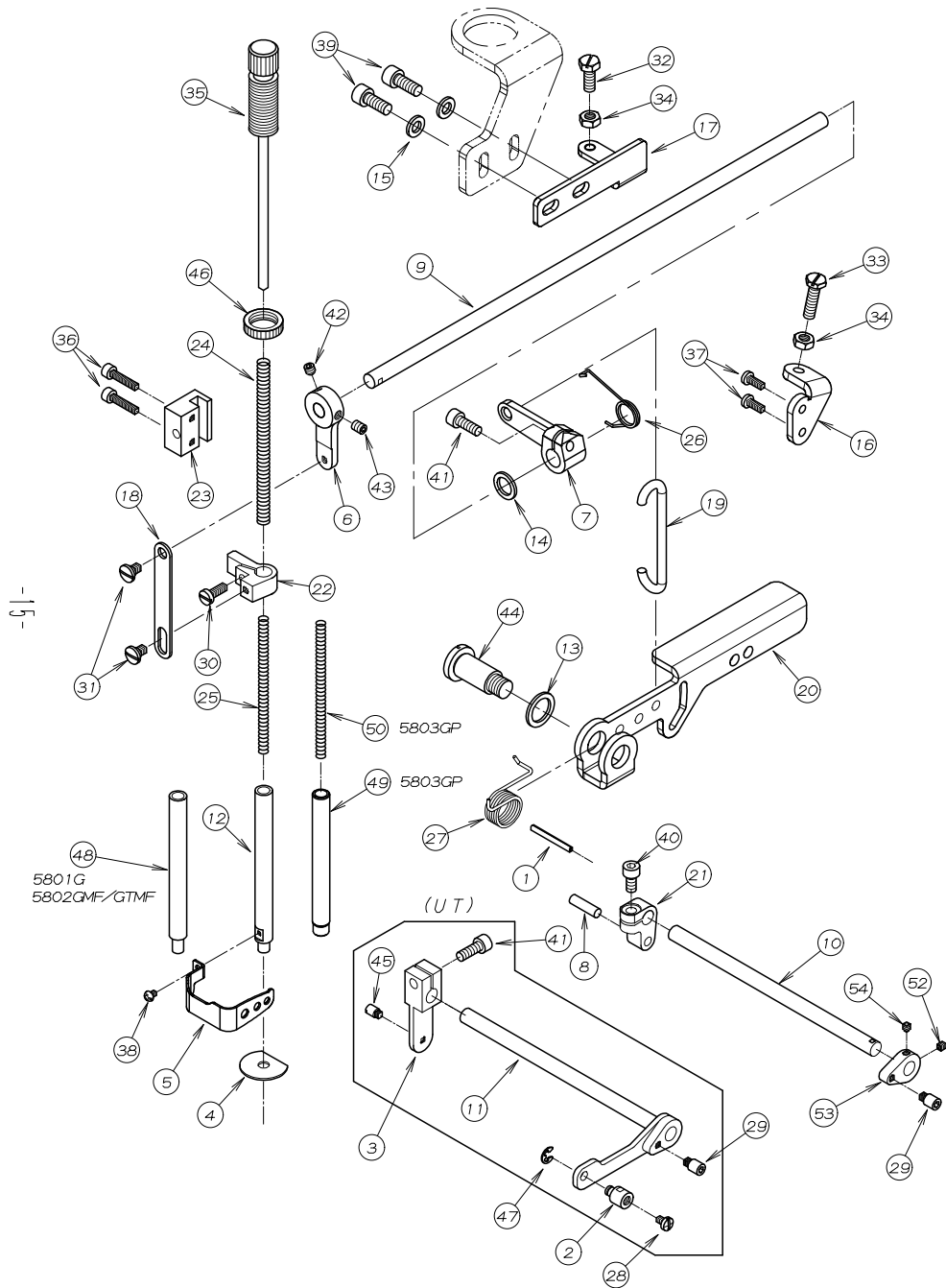
# 13. 上飾り機構 SPREADER DRIVE MECHANISM

-14-



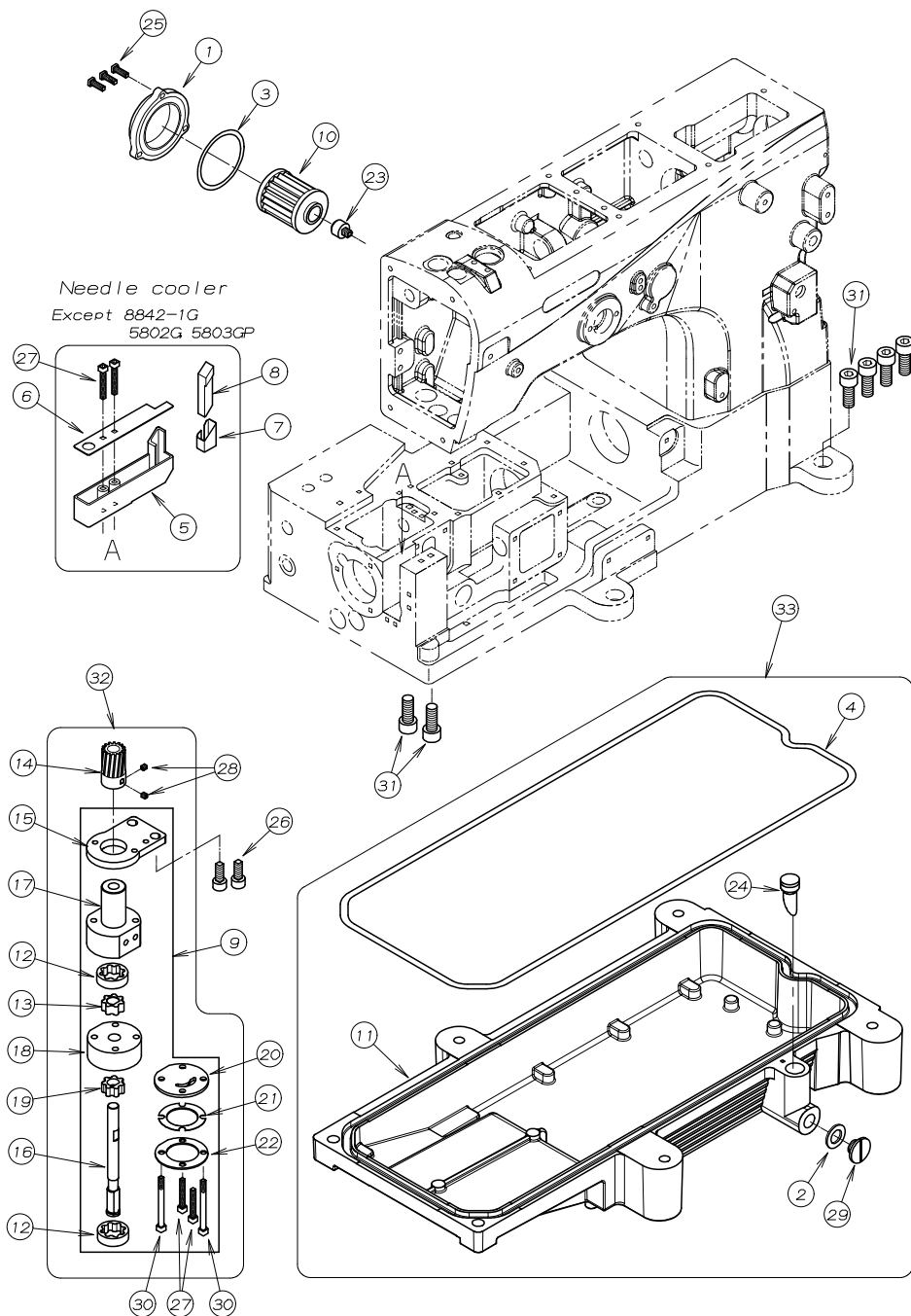
| REF. NO. | PART NO. | 品 名           | DESCRIPTION    | Q' TY |
|----------|----------|---------------|----------------|-------|
| 13-01    | 75-537   | φ10スラストカラー    | COLLAR φ10     | 1     |
| 13-02    | 87-214   | ネジ            | SCREW          | *     |
| 13-03    | 19-751   | 飾りルーパ ー       | SPREADER       | 1     |
| 13-04    | 04-501   | スプ レッダ ーホルダ ー | HOLDER         | 1     |
| 13-05    | 87-274   | ネジ            | SCREW          | 4     |
| 13-06    | 93-202   | E型止め輪10       | E-RING         | 1     |
| 13-07    | 75-509   | ワッシャ          | WASHER         | 1     |
| 13-08    | 71-513   | 飾り駆動軸         | SHAFT          | 1     |
| 13-09    | 04-502   | 飾り調節レバ ーピ ン   | PIN            | 1     |
| 13-10    | 75-452   | ワッシャ          | WASHER         | 1     |
| 13-11    | 88-166   | ナット           | NUT            | 1     |
| 13-12    | 67-510   | 飾り振りレバ ー      | LEVER          | 1     |
| 13-13    | 87-171   | ネジ            | SCREW          | 1     |
| 13-14    | 61-527   | 上飾りエキセン玉      | ECCENTRIC      | 1     |
| 13-15    | 91-416   | ベアリング         | NEEDLE BEARING | 1     |
| 13-16    | 63-500   | 飾り振りロッド       | CONNECTING ROD | 1     |
| 13-17    | 75-502   | 上軸スベ ースワッシャ   | WASHER         | 1     |
| 13-18    | 67-511   | ルーパ ー振りレバ ー   | LEVER          | 1     |
| 13-19    | 87-172   | ネジ            | SCREW          | 2     |
| 13-20    | 04-508   | 連結ピ ン         | PIN            | 1     |
| 13-21    | 04-507   | 飾りルーパ ー棒      | CRANK          | 1     |
| 13-22    | 75-549   | ワッシャ          | WASHER         | 1     |
| 13-23    | 87-181   | ネジ            | SCREW          | 2     |
| 13-24    | 67-512   | 飾り糸通し振りレバ ー   | LEVER          | 1     |
| 13-25    | 23-553   | フェルト          | FELT           | 2     |
| 13-26    | 71-536   | ピ ン           | PIN            | 1     |
| 13-27    | 04-510   | リンク           | LINK           | 1     |
| 13-28    | 23-531   | フェルト          | FELT           | 1     |
| 13-29    | 19-495   | 上飾りルーパ ー      | SPREADER       | 1     |
| 13-30    | 04-514   | 飾り糸通し駆動軸      | SHAFT          | 1     |
| 13-31    | 75-544   | カラー           | COLLER         | 1     |
| 13-32    | 45-557   | 糸通            | THREAD EYELET  | 1     |
| 13-33    | 87-104   | ネジ            | SCREW          | 1     |
| 13-34    | 04-513   | ベ ースブ ロック     | BRACKET        | 1     |
| 13-35    | 04-512   | 飾り糸通案内台       | BRACKET        | 1     |
| 13-36    | 87-129   | ネジ            | SCREW          | 2     |
| 13-37    | 06-751   | スタッドボ ルト      | SCREW          | 1     |
| 13-38    | 19-505   | 飾りルーパ ー       | SPREADER       | 1     |

#### 14. 押え揚げ機構 PRESSER FOOT MECHANISM



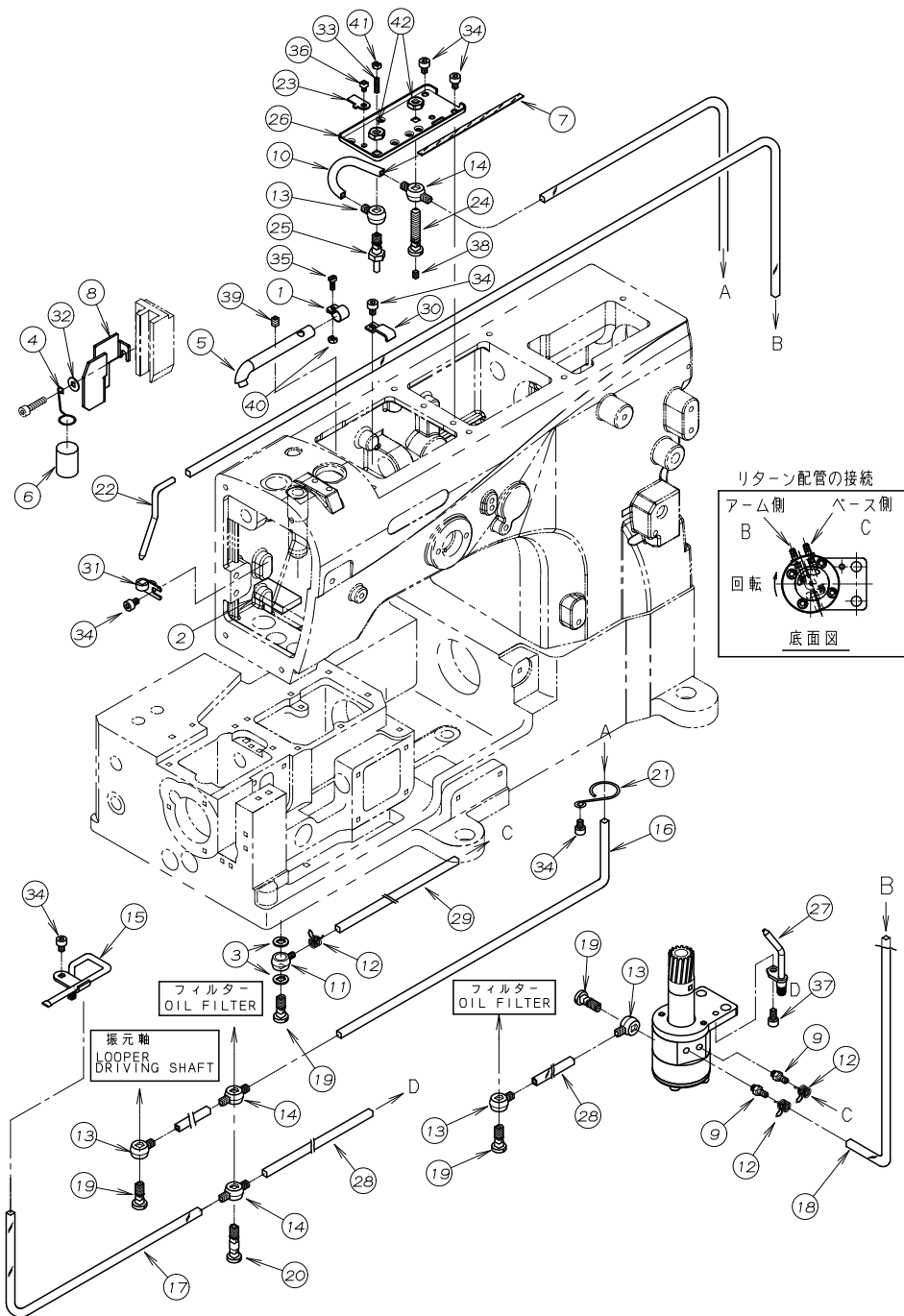
| REF. NO. | PART NO. | 品 名             | DESCRIPTION      | Q'TY |
|----------|----------|-----------------|------------------|------|
| 14-01    | 05-404   | スプリングピン         | SPRING PIN       | 1    |
| 14-02    | 05-853   | 糸緩め連結片          | HOLDER           | 1    |
| 14-03    | 05-958   | クランクレバ -        | LEVER            | 1    |
| 14-04    | 23-018   | 押え棒油止シール        | SEAL             | 1    |
| 14-05    | 27-232   | フィンガード          | FINGER GUARD     | 1    |
| 14-06    | 67-036   | レバ -            | LEVER            | 1    |
| 14-07    | 67-037   | レバ -            | LEVER            | 1    |
| 14-08    | 71-203   | 平行ピン            | PIN              | 1    |
| 14-09    | 71-278   | 運動シャフト          | SHAFT            | 1    |
| 14-10    | 71-270   | 糸緩め軸            | SHAFT            | 1    |
| 14-11    | 71-280   | レバ - シャフト (UTC) | SHAFT            | 1    |
| 14-12    | 71-568   | 押え棒             | PRESSER FOOT BAR | 1    |
| 14-13    | 75-332   | ワッシャ            | WASHER           | 1    |
| 14-14    | 75-504   | ワッシャ            | WASHER           | 1    |
| 14-15    | 75-552   | ワッシャ            | WASHER           | 2    |
| 14-16    | 77-030   | ブラケット           | BRACKET          | 1    |
| 14-17    | 77-033   | 押え浮かしストッパー      | STOPPER          | 1    |
| 14-18    | 77-051   | 連結プレート          | PLATE            | 1    |
| 14-19    | 77-052   | リンク             | LINK             | 1    |
| 14-20    | 77-053   | 押揚レバ -          | LEVER            | 1    |
| 14-21    | 77-504   | 押え揚クランク         | CRANK            | 1    |
| 14-22    | 77-510   | 押え棒抱き           | CLAMP            | 1    |
| 14-23    | 77-511   | 押え棒ガイド          | GUIDE            | 1    |
| 14-24    | 79-022   | 押え棒バネ (上)       | SPRING           | 1    |
| 14-25    | 79-023   | 押え棒バネ (下)       | SPRING           | 1    |
| 14-26    | 79-024   | 巻きバネ            | SPRING           | 1    |
| 14-27    | 79-423   | 巻きバネ            | SPRING           | 1    |
| 14-28    | 84-361   | ネジ              | SCREW            | 1    |
| 14-29    | 84-561   | ネジ              | SCREW            | 2    |
| 14-30    | 84-566   | ネジ              | SCREW            | 1    |
| 14-31    | 84-581   | 段ネジ             | SCREW            | 2    |
| 14-32    | 84-818   | 六角ボルト           | BOLT             | 1    |
| 14-33    | 84-813   | ネジ              | SCREW            | 1    |
| 14-34    | 86-411   | ナット             | NUT              | 2    |
| 14-35    | 87-001   | 押え棒筒ネジ          | SCREW            | 1    |
| 14-36    | 87-112   | 六角穴付きボルト        | BOLT             | 2    |
| 14-37    | 87-483   | プラマイナベ小ねじ       | SCREW            | 2    |
| 14-38    | 87-476   | プラマイナベ小ねじ       | SCREW            | 1    |
| 14-39    | 87-171   | 六角穴付きボルト        | BOLT             | 2    |
| 14-40    | 87-213   | 六角穴付きボルト        | BOLT             | 1    |
| 14-41    | 87-224   | 六角穴付きボルト        | BOLT             | 2    |
| 14-42    | 87-253   | ネジ              | SCREW            | 1    |
| 14-43    | 87-254   | ネジ              | SCREW            | 1    |
| 14-44    | 87-404   | 段付ネジ            | SCREW            | 1    |
| 14-45    | 87-423   | 段ネジ             | SCREW            | 1    |
| 14-46    | 88-003   | 筒ネジ ナット         | NUT              | 1    |
| 14-47    | 93-205   | Eリンク            | E-RING           | 1    |
| 14-48    | 71-679   | 押え棒             | PRESSER FOOT BAR | 1    |
| 14-49    | 71-764   | 押え棒             | PRESSER FOOT BAR | 1    |
| 14-50    | 79-560   | 押さえ棒バネ (小)      | SPRING           | 1    |
| 14-51    | 77-033   | 押え浮かしストッパ -     | STOPPER          | 1    |
| 14-52    | 87-286   | ネジ              | SCREW            | 1    |
| 14-53    | 77-270   | 糸緩めプレート         | PLATE            | 1    |
| 14-54    | 87-233   | ネジ              | SCREW            | 1    |

# 15. 給油機構 (1) LUBRICATION MECHANISM (1)



| REF. NO. | PART NO. | 品 名          | DESCRIPTION         | Q' TY |
|----------|----------|--------------|---------------------|-------|
| 15-01    | 21-632W  | オイルフィルターキャップ | OIL FILTER CAP      | 1     |
| 15-02    | 23-304   | シール          | SEAL                | 1     |
| 15-03    | 23-506   | O-リング        | O-RING              | 1     |
| 15-04    | 23-524   | O-リング        | O-RING              | 1     |
| 15-05    | 27-537   | ニードルクーラー     | NEEDLE COOLER       | 1     |
| 15-06    | 27-538   | ニードルクーラーフタ   | NEEDLE COOLER COVER | 1     |
| 15-07    | 27-539   | フェルトガード      | FELT GUARD          | 1     |
| 15-08    | 27-540   | ニードルクーラーフェルト | FELT                | 1     |
| 15-09    | 30-0019  | ポンプセット       | PUMP ASS'Y          | 1     |
| 15-10    | 31-222   | フィルター        | OIL FILTER          | 1     |
| 15-11    | 31-518   | オイルタンク       | OIL TANK            | 1     |
| 15-12    | 31-530   | アウターローター     | OUTER ROTER         | 2     |
| 15-13    | 31-531   | インナーローター     | INNER ROTER         | 1     |
| 15-14    | 31-539   | ポンプギア        | PUMP GEAR           | 1     |
| 15-15    | 31-549   | ポンプ取付板       | PLATE               | 1     |
| 15-16    | 31-542   | ポンプ軸         | PUMP SHAFT          | 1     |
| 15-17    | 31-543   | ポンプハウジング (上) | PUMP HOUSING        | 1     |
| 15-18    | 31-544   | ポンプハウジング (下) | PUMP HOUSING        | 1     |
| 15-19    | 31-545   | インナーローター     | INNER ROTER         | 1     |
| 15-20    | 31-546   | ポンプ裏板        | PLATE               | 1     |
| 15-21    | 31-547   | ポンプメッシュ      | PUMP MESH           | 1     |
| 15-22    | 31-548   | ポンプメッシュ止め板   | PLATE               | 1     |
| 15-23    | 35-509   | 継手           | JOINT               | 1     |
| 15-24    | 39-219   | オイルゲージ       | OIL GAUGE           | 1     |
| 15-25    | 87-484   | プラマイナベ小ねじ    | SCREW               | 3     |
| 15-26    | 87-171   | 六角穴付きボルト     | BOLT                | 2     |
| 15-27    | 87-285   | 六角穴付きボルト     | BOLT                | 4     |
| 15-28    | 87-286   | ネジ           | SCREW               | 2     |
| 15-29    | 87-311   | フタネジ         | SCREW               | 1     |
| 15-30    | 87-391   | 六角穴付きボルト     | BOLT                | 2     |
| 15-31    | 87-663   | 六角穴付きボルト     | BOLT                | 6     |
| 15-32    | 30-0020  | ポンプセット       | PUMP ASS'Y          | 1     |
| 15-33    | 30-5080  | オイルタンクセット    | OILTUNK ASS'Y       | 1     |

# 16. 給油機構 (2) LUBRICATION MECHANISM (2)

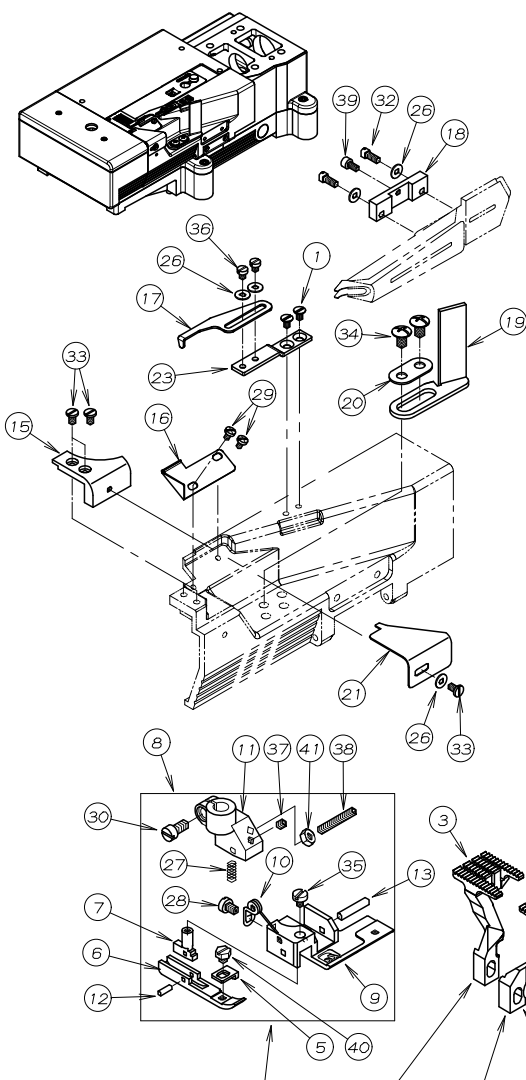


| REF. NO. | PART NO. | 品 名             | DESCRIPTION          | Q' TY |
|----------|----------|-----------------|----------------------|-------|
| 16-01    | 07-008   | 調節バンド           | BAND                 | 1     |
| 16-02    | 23-386   | フェルト            | FELT                 | 1     |
| 16-03    | 23-514   | シ ョイントシール       | JOINT SEAL           | 2     |
| 16-04    | 23-558   | 給油サホ ート         | SUPPORT              | 1     |
| 16-05    | 23-560   | 給油ハ イフ          | PIPE                 | 1     |
| 16-06    | 23-559   | スホ ンシ           | SPONGE               | 1     |
| 16-07    | 23-574   | フェルト            | FELT                 | 1     |
| 16-08    | 27-301   | オイルフェンス         | OIL COVER            | 1     |
| 16-09    | 31-314   | 継手              | JOINT                | 2     |
| 16-10    | 35-005   | ヒ ーニールチューフ 80L  | TUBE                 | 1     |
| 16-11    | 35-361   | 片口管継手 (小)       | JOINT                | 1     |
| 16-12    | 35-413   | 止め金具            | CLAMP                | 3     |
| 16-13    | 35-505   | 片口継手            | JOINT                | 4     |
| 16-14    | 35-506   | 両口管継手           | JOINT                | 3     |
| 16-15    | 35-514   | 給油配管            | OIL DISTRIBUTOR      | 1     |
| 16-16    | 35-517   | ヒ ーニールチューフ 540L | TUBE                 | 1     |
| 16-17    | 35-519   | ヒ ーニールチューフ      | TUBE                 | 2     |
| 16-18    | 35-521   | ヒ ーニールチューフ      | TUBE                 | 1     |
| 16-19    | 35-528   | 管継手ホ ルト         | JOINT SCREW          | 4     |
| 16-20    | 35-529   | 管継手ホ ルト         | JOINT SCREW          | 1     |
| 16-21    | 35-530   | チューフ ハ ント       | CLAMP                | 1     |
| 16-22    | 35-540   | リターン用ハ イフ       | PIPE                 | 1     |
| 16-23    | 35-551   | 油調節フ レート        | PLATE                | 1     |
| 16-24    | 35-556   | オイル噴出し継手        | JOINT SCREW          | 1     |
| 16-25    | 35-557   | ノズ ル            | OIL SIGHT TOP NOZZLE | 1     |
| 16-26    | 35-558   | 油受け             | OIL RELEASER         | 1     |
| 16-27    | 35-560   | ホ ンフ キ ャ給油配管    | PIPE                 | 1     |
| 16-28    | 35-561   | ヒ ーニールチューフ      | TUBE (φ6xφ4x. 170L)  | 2     |
| 16-29    | 35-317   | ヒ ーニールチューフ      | TUBE (φ6xφ3. 290L)   | 1     |
| 16-30    | 39-139   | ハ イフ サホ ート      | PIPE SUPPORT         | 1     |
| 16-31    | 39-501   | 配管止め            | CLAMP                | 1     |
| 16-32    | 75-455   | ワッシャ            | WASHER               | 1     |
| 16-33    | 87-072   | 六角穴付止めねじ        | SCREW                | 1     |
| 16-34    | 87-092   | 六角穴付きボルト        | BOLT                 | 6     |
| 16-35    | 87-128   | ネジ              | SCREW                | 1     |
| 16-36    | 87-142   | ネジ              | SCREW                | 1     |
| 16-37    | 87-177   | 六角穴付きボルト        | BOLT                 | 1     |
| 16-38    | 87-181   | ネジ              | SCREW                | 1     |
| 16-39    | 87-254   | ネジ              | SCREW                | 1     |
| 16-40    | 88-136   | ナット             | NUT                  | 1     |
| 16-41    | 88-137   | ナット             | NUT                  | 1     |
| 16-42    | 88-165   | 六角ナット           | NUT                  | 2     |

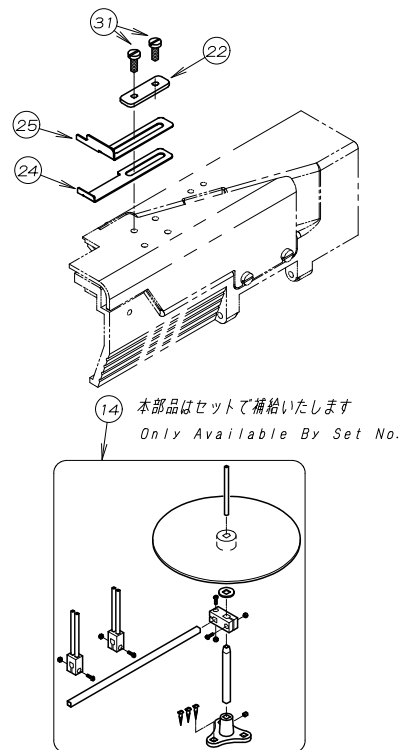
# 17. MG専用アクセサリ部品 (同梱品)

## MODEL MG EXCLUSIVE ACCESSORIES

Fタイプ  
MODEL F



Aタイプ  
MODEL A

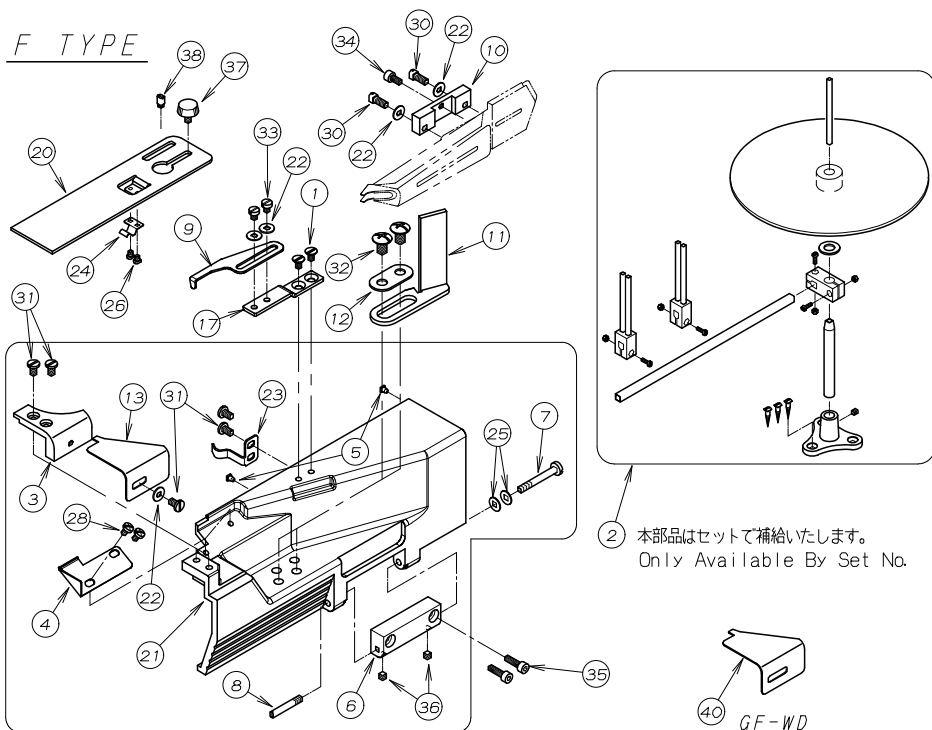


|      |           |        |        |        |
|------|-----------|--------|--------|--------|
| 7/32 | 17-1920-1 | 15-015 | 15-016 | 14-192 |
| 1/4  | 17-1930-1 |        |        | 14-193 |
| Size | Part No.  |        |        |        |

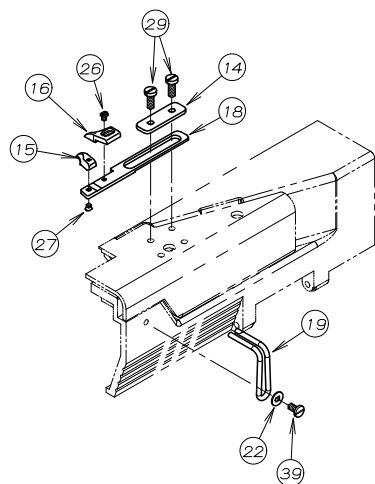
| REF. NO. | PART NO.  | 品 名            | DESCRIPTION         | Q' TY |
|----------|-----------|----------------|---------------------|-------|
| 17-01    | 05-074    | ネジ             | SCREW               | 2     |
| 17-02    | *         | 針板             | NEEDLE PLATE        | 1     |
| 17-03    | 15-015    | 後送歯            | REAR FEED DOG       | 1     |
| 17-04    | 15-016    | 前送歯            | FRONT FEED DOG      | 1     |
| 17-05    | 17-1760-K | テープ カ イト       | TAPE GUIDE          | 1     |
| 17-06    | 17-1760-Y | 押えガイド足         | GUIDE BRACKET       | 1     |
| 17-07    | 17-1760-Z | ガイド足金具         | GUIDE PIN           | 1     |
| 17-08    | *         | 押えセット          | PRESSER FOOT A' SSY | 1     |
| 17-09    | *         | 押え足            | BOTTOM              | 1     |
| 17-10    | 17-7490-L | 押え足ハネ          | SPRING              | 1     |
| 17-11    | 17-7760-A | 押えホス           | SHANK               | 1     |
| 17-12    | 17-7760-D | ピン             | PIN                 | 1     |
| 17-13    | 17-7760-E | ピン             | PIN                 | 1     |
| 17-14    | 20-6150   | テープ カ イト セット   | TAPE GUIDE ASSEMBLY | 1     |
| 17-15    | 21-822    | 前カバー (小)       | FRONT COVER (S)     | 1     |
| 17-16    | 21-986    | 防塵カバー          | DUSTPROOF COVER     | 1     |
| 17-17    | 26-008    | テープガイド         | GUIDE               | 1     |
| 17-18    | 26-724    | F用ラッパ 抱き       | FOLDER BASE FOR F   | 1     |
| 17-19    | 26-821    | F用ラッパ 取付台      | FOLDER BASE         | 1     |
| 17-20    | 26-822    | ラッパ 取付金具       | PLATE               | 1     |
| 17-21    | 26-823    | F用前定規          | GUIDE PLATE FOR F   | 1     |
| 17-22    | 26-825    | カ イト 固定板       | GUIDE FIXING PLATE  | 1     |
| 17-23    | 26-835    | テープガイド取付台 (F用) | GUIDE SUPPORT       | 1     |
| 17-24    | 26-837    | A用ガイド (左)      | GUIDE (LEFT)        | 1     |
| 17-25    | 26-838    | A用ガイド (右)      | GUIDE (RIGHT)       | 1     |
| 17-26    | 75-455    | ワッシャ           | WASHER              | 5     |
| 17-27    | 79-191    | ハネ             | SPRING              | 1     |
| 17-28    | 84-161    | ネジ             | SCREW               | 1     |
| 17-29    | 84-361    | ネジ             | SCREW               | 2     |
| 17-30    | 84-382    | ネジ             | SCREW               | 1     |
| 17-31    | 84-566    | ネジ             | SCREW               | 2     |
| 17-32    | 84-572    | ネジ             | SCREW               | 2     |
| 17-33    | 84-574    | ネジ             | SCREW               | 3     |
| 17-34    | 85-182    | ネジ             | SCREW               | 2     |
| 17-35    | 85-621    | ネジ             | SCREW               | 1     |
| 17-36    | 87-098    | ネジ             | SCREW               | 2     |
| 17-37    | 87-104    | ネジ             | SCREW               | 1     |
| 17-38    | 87-130    | ネジ             | SCREW               | 1     |
| 17-39    | 87-177    | 六角穴付きボルト       | BOLT                | 1     |
| 17-40    | 87-397    | テープ カ イト 取付ネジ  | BOLT                | 1     |
| 17-41    | 88-136    | ナット            | NUT                 | 1     |

# 18. Fタイプ, CLタイプ専用部品 MODEL F, CL EXCLUSIVE PARTS

## F TYPE

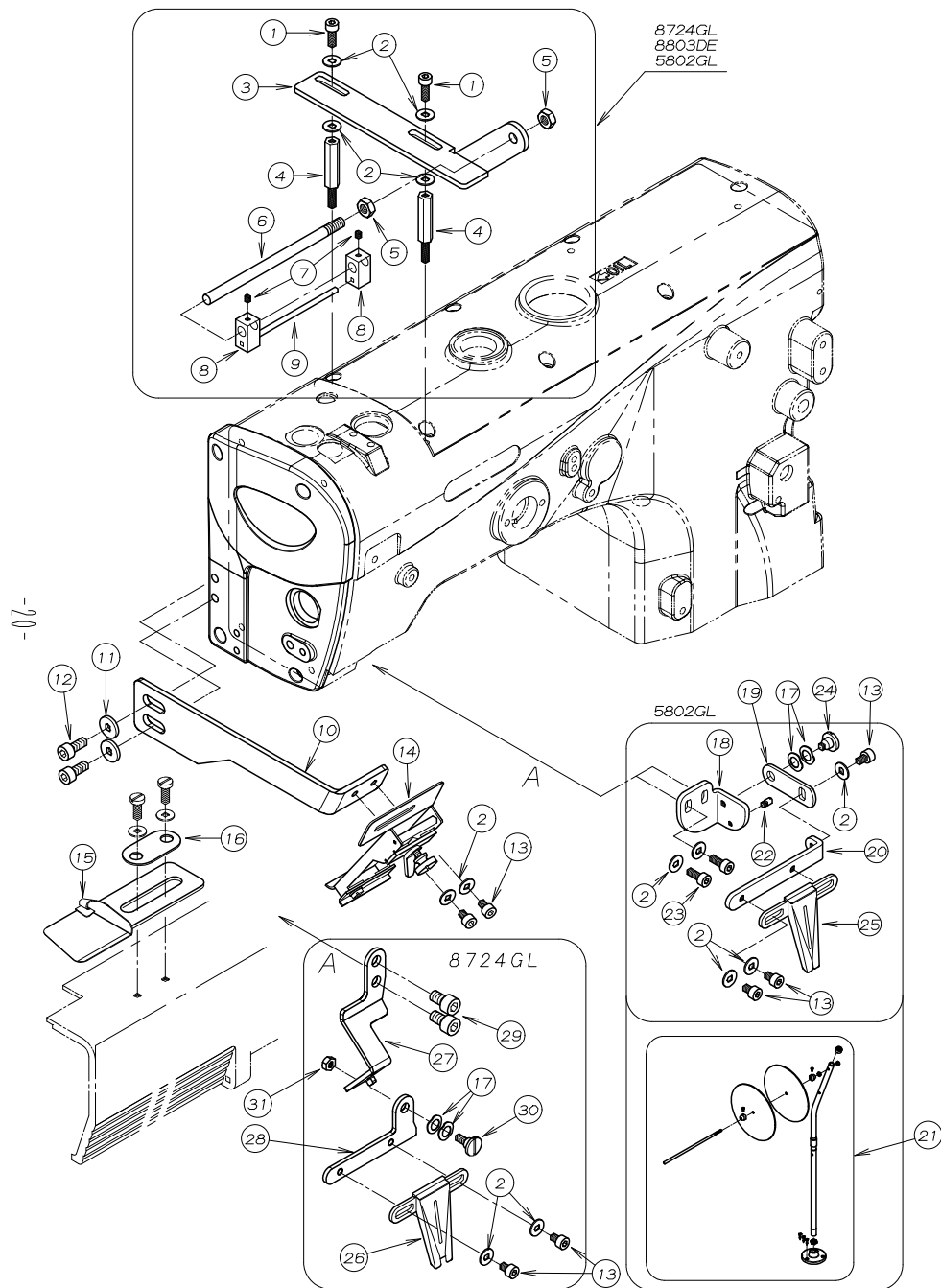


## CL TYPE



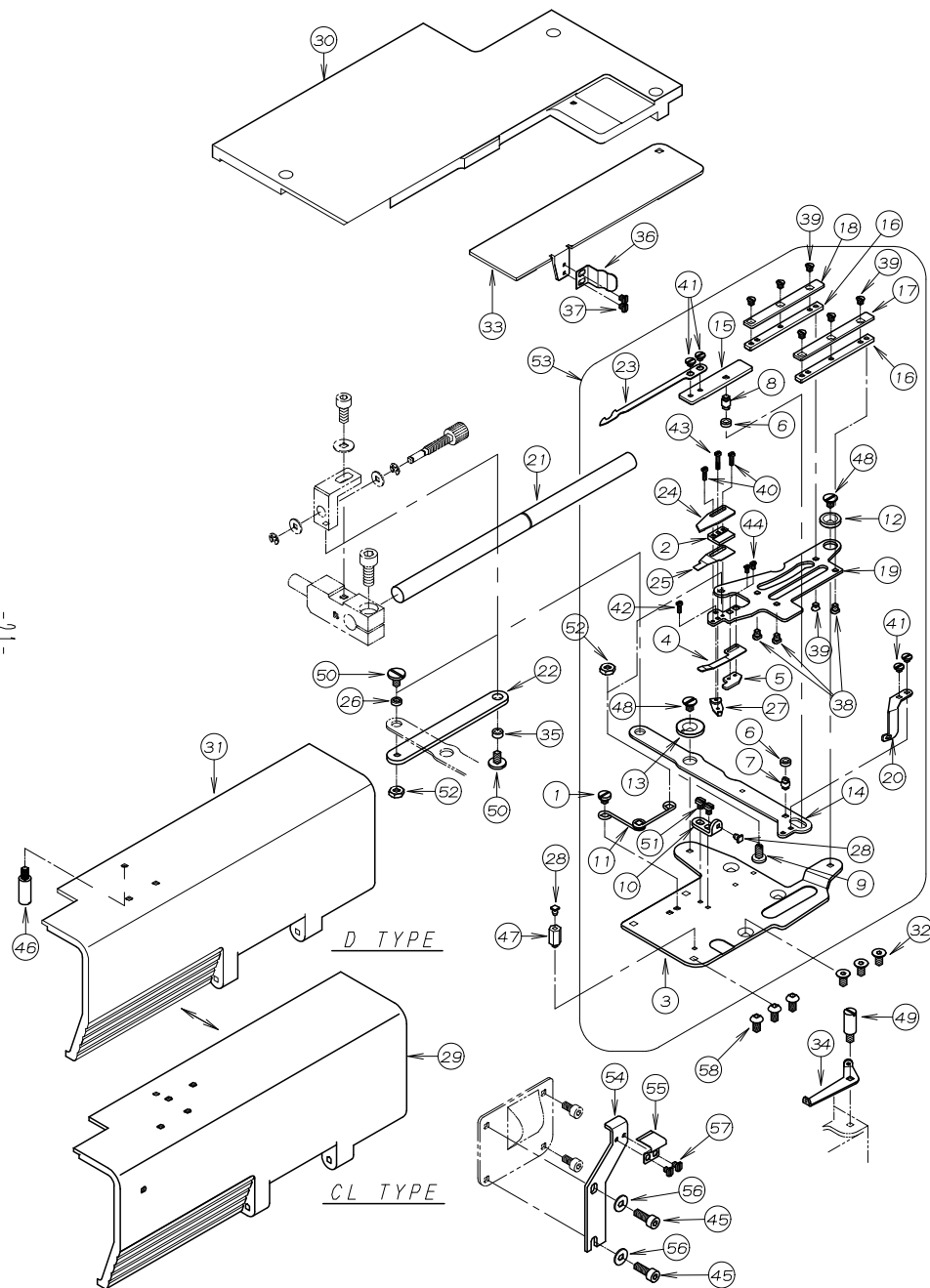
| REF. NO. | PART NO. | 品 名            | DESCRIPTION              | Q' TY |
|----------|----------|----------------|--------------------------|-------|
| 18-01    | 05-074   | ネジ             | SCREW                    | 2     |
| 18-02    | 20-6150  | テープ カ イト セット   | TAPE GUIDE ASSEMBLY      | 1     |
| 18-03    | 21-822   | 前カハ ー (小)      | FRONT COVER (S)          | 1     |
| 18-04    | 21-986   | 防塵カハ ー         | DUSTPROOF COVER          | 1     |
| 18-05    | 23-512   | クッションゴ ム       | CUSHION RUBBER           | 2     |
| 18-06    | 25-516W  | 定規台ヒンジ         | HINGE                    | 1     |
| 18-07    | 25-517   | ヒンジ ネジ         | SCREW                    | 1     |
| 18-08    | 25-527   | カハ ーヒンジ ネジ     | SCREW                    | 1     |
| 18-09    | 26-008   | テープガイド         | GUIDE                    | 1     |
| 18-10    | 26-724   | F用ラッハ 抱き       | FOLDER BASE FOR F        | 1     |
| 18-11    | 26-821   | F用ラッハ 取付台      | FOLDER BASE              | 1     |
| 18-12    | 26-822   | ラッハ 取付金具       | PLATE                    | 1     |
| 18-13    | 26-823   | F用前定規          | GUIDE PLATE FOR F        | 1     |
| 18-14    | 26-825   | カ イト 固定板       | GUIDE FIXING PLATE       | 1     |
| 18-15    | 26-826   | 布カ イト (左) A    | LEFT SIDE GUIDE          | 1     |
| 18-16    | 26-827   | 布カ イト (右) A    | RIGHT SIDE GUIDE         | 1     |
| 18-17    | 26-835   | テープガイド取付台 (F用) | GUIDE SUPPORT            | 1     |
| 18-18    | 26-839   | カ イト 取付板 (C用)  | GUIDE SUPPORT (COVERING) | 1     |
| 18-19    | 26-840   | 前ガイド           | FRONT GUIDE (COVERING)   | 1     |
| 18-20    | 27-167   | 前ベースカバー        | FRONT BASE COVER         | 1     |
| 18-21    | 21-821W  | 前カハ ー          | FRONT COVER              | 1     |
| 18-22    | 75-455   | ワッシャ           | WASHER                   | 6     |
| 18-23    | 79-530   | 前カハ ー止めハ ネ     | SPRING                   | 1     |
| 18-24    | 79-801   | ハ ネ            | SPRING                   | 1     |
| 18-25    | 79-922   | 皿ハ ネ           | SPRING                   | 2     |
| 18-26    | 84-167   | ネジ             | SCREW                    | 3     |
| 18-27    | 84-193   | ネジ             | SCREW                    | 1     |
| 18-28    | 84-361   | ネジ             | SCREW                    | 2     |
| 18-29    | 84-566   | ネジ             | SCREW                    | 2     |
| 18-30    | 84-572   | ネジ             | SCREW                    | 2     |
| 18-31    | 84-574   | ネジ             | SCREW                    | 5     |
| 18-32    | 85-182   | ネジ             | SCREW                    | 2     |
| 18-33    | 87-098   | ネジ             | SCREW                    | 2     |
| 18-34    | 87-177   | 六角穴付きボルト       | BOLT                     | 1     |
| 18-35    | 87-214   | 六角穴付きボルト       | BOLT                     | 2     |
| 18-36    | 87-274   | ネジ             | SCREW                    | 2     |
| 18-37    | 87-292   | 調節ネジ           | SCREW                    | 1     |
| 18-38    | 87-423   | 段ネジ            | SCREW                    | 1     |
| 18-39    | 87-288   | ネジ             | SCREW                    | 1     |
| 18-40    | 26-841   | F用前定規          | GUIDE PLATE FOR F        | 1     |

# 19. DE/Lタイプ専用部品 MODEL DE/L EXCLUSIVE PARTS



| REF. NO. | PART NO.  | 品 名             | DESCRIPTION          | Q' TY |
|----------|-----------|-----------------|----------------------|-------|
| 19-01    | 87-129    | 六角穴付きボルト        | BOLT                 | 2     |
| 19-02    | 75-455    | ワッシャ            | WASHER               | 13    |
| 19-03    | 26-606    | ゴ ムプ ーラー取付板     | BRACKET              | 1     |
| 19-04    | 87-309    | 支柱ネジ            | SCREW                | 2     |
| 19-05    | 86-411    | ナット             | NUT                  | 2     |
| 19-06    | 26-751    | ゴ ムプ ーラー取付棒     | BAR                  | 1     |
| 19-07    | 84-112    | ネジ              | SCREW                | 2     |
| 19-08    | 26-753    | ゴ ムプ ーラー取付金具    | BRACKET              | 2     |
| 19-09    | 26-752    | ゴ ムプ ーラー案内棒     | BAR                  | 1     |
| 19-10    | 26-612    | ラッパ 取付台         | BRACKET              | 1     |
| 19-11    | 75-456    | ワッシャ            | WASHER               | 2     |
| 19-12    | 87-252    | 六角穴付きボルト        | BOLT                 | 2     |
| 19-13    | 87-092    | ネジ              | SCREW                | 7     |
| 19-14    | 97-513    | DE用ゴ ム 調整器      | HOLDER               | 1     |
| 19-15    | 97-714    | DE用ホルダ ー        | HOLDER               | 1     |
| 19-16    | 26-712    | 取付金具            | WASHER               | 1     |
| 19-17    | 02-119    | 波 圧 金           | WASHER               | 4     |
| 19-18    | 26-608    | フ ラケットA         | BRACKET A            | 1     |
| 19-19    | 26-609    | フ ラケットB         | BRACKET B            | 1     |
| 19-20    | 26-610    | フ ラケットC         | BRACKET C            | 1     |
| 19-21    | 20-6020   | テー プ 立 て        | TAPE STAND           | 1     |
| 19-22    | 84-114    | ネジ              | SCREW                | 1     |
| 19-23    | 87-113    | 六角穴付きボルト        | BOLT                 | 2     |
| 19-24    | 87-264    | 段ネジ             | SCREW                | 1     |
| 19-25    | 97-5010-1 | バインダーセット (9mm)  | FOLDER ASS' Y (9mm)  | 1     |
| 19-26    | 97-5020-1 | バインダーセット (12mm) | FOLDER ASS' Y (12mm) | 1     |
| 19-27    | 26-616    | ブラケットA          | BRACKET A            | 1     |
| 19-28    | 26-617    | ブラケットB          | BRACKET B            | 1     |
| 19-29    | 87-203    | 六角穴付きボルト        | BOLT                 | 2     |
| 19-30    | 87-462    | 平頭付段ネジ          | SCREW                | 1     |
| 19-31    | 88-146    | ナット             | NUT                  | 1     |

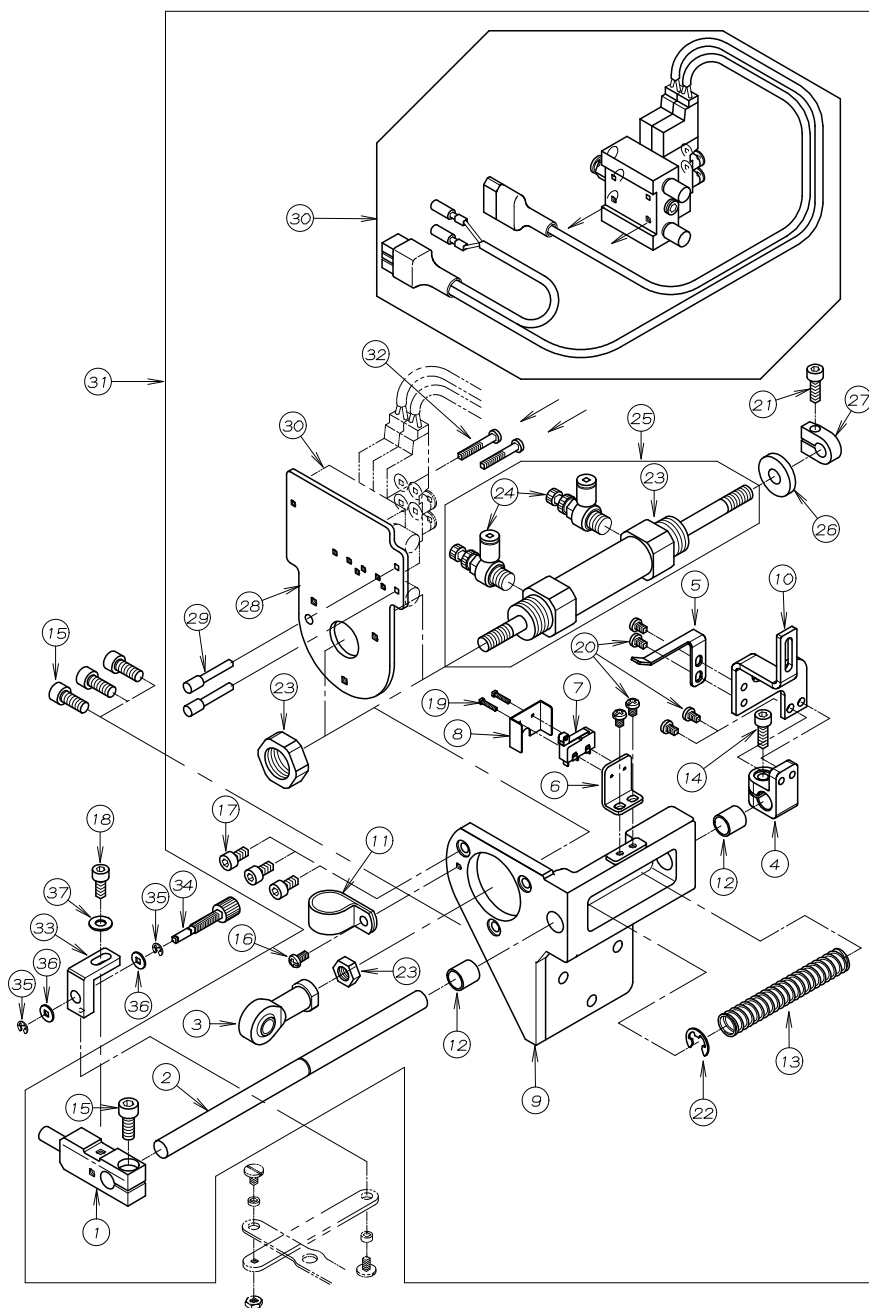
## 20. 下糸切り装置 (UT) KNIFE MECHANISM (UT)



| REF. NO. | PART NO. | 品 名          | DESCRIPTION          | Q' TY |
|----------|----------|--------------|----------------------|-------|
| 20-01    | 05-056   | 平頭付段ネジ       | SCREW                | 1     |
| 20-02    | 05-062   | 可動メスガイド      | GUIDE                | 1     |
| 20-03    | 05-076   | メス土台プレート     | PLATE                | 1     |
| 20-04    | 05-077   | 裏バネ (下)      | LEAF SPRING (LOWER)  | 1     |
| 20-05    | 05-078   | 下ハネスパーサー     | SPACER               | 1     |
| 20-06    | 05-079   | ガイドローラー      | GUIDE ROLLER         | 2     |
| 20-07    | 05-080   | 固定メス土台駆動ピン   | PIN                  | 1     |
| 20-08    | 05-081   | 可動メス駆動ピン     | PIN                  | 1     |
| 20-09    | 05-082   | ネジ           | SCREW                | 1     |
| 20-10    | 05-160   | 固定メス土台ストップバー | STOPPER              | 1     |
| 20-11    | 05-084   | 固定メス土台バネ     | SPRING               | 1     |
| 20-12    | 05-085   | 支点ピン         | PIN                  | 1     |
| 20-13    | 05-086   | 固定メス土台調節リンク  | RING                 | 1     |
| 20-14    | 05-087   | 駆動レバー        | LEVER                | 1     |
| 20-15    | 05-088   | 可動メスベース      | LOWER KNIFE BASE     | 1     |
| 20-16    | 05-089   | 可動メスベースガイド   | GUIDE                | 2     |
| 20-17    | 05-090   | 押エフプレート      | PLATE                | 1     |
| 20-18    | 05-091   | 押エフプレート      | PLATE                | 1     |
| 20-19    | 05-158   | 固定メス土台       | UPPER KNIFE HOLDER   | 1     |
| 20-20    | 05-093   | ルーバー糸緩め糸道    | THREAD EYELET        | 1     |
| 20-21    | 05-152   | 戻りシャフト       | SHAFT                | 1     |
| 20-22    | 05-153   | 連結プレート       | PLATE                | 1     |
| 20-23    | 05-658   | 可動メス         | LOWER KNIFE          | 1     |
| 20-24    | 05-812   | 固定メス         | UPPER KNIFE          | 1     |
| 20-25    | 05-814   | 裏ハネ (上)      | LEAF SPRING (UPPER)  | 1     |
| 20-26    | 05-882   | ガイドローラー      | GUIDE ROLLER         | 1     |
| 20-27    | 05-894   | 裏ハネ調節板       | PLATE                | 1     |
| 20-28    | 23-512   | クッションゴム      | CUSHION RUBBER       | 2     |
| 20-29    | 27-128W  | 前カバー         | FRONT COVER          | 1     |
| 20-30    | 27-126W  | 上ハネスカバー      | CLOTH PLATE          | 1     |
| 20-31    | 27-127W  | 前カバー         | FRONT COVER          | 1     |
| 20-32    | 87-269   | ネジ           | SCREW                | 3     |
| 20-33    | 27-016   | 前ベースカバー      | FRONT BASE COVER     | 1     |
| 20-34    | 45-513   | 小調子台糸道       | THREAD GUIDE         | 1     |
| 20-35    | 05-430   | ガイドローラー      | GUIDE ROLLER         | 1     |
| 20-36    | 79-535   | 前カバー止メハネ     | SPRING               | 1     |
| 20-37    | 84-163   | ネジ           | SCREW                | 2     |
| 20-38    | 84-167   | ネジ           | SCREW                | 3     |
| 20-39    | 84-193   | ネジ           | SCREW                | 7     |
| 20-40    | 87-075   | ネジ           | SCREW                | 2     |
| 20-41    | 87-077   | ネジ           | SCREW                | 4     |
| 20-42    | 87-078   | ネジ           | SCREW                | 1     |
| 20-43    | 87-079   | ネジ           | SCREW                | 1     |
| 20-44    | 87-107   | ネジ           | SCREW                | 2     |
| 20-45    | 87-129   | ネジ           | SCREW                | 2     |
| 20-46    | 87-305   | ネジ           | SCREW                | 1     |
| 20-47    | 87-306   | 六角支柱ネジ       | SCREW                | 1     |
| 20-48    | 87-307   | ネジ           | SCREW                | 2     |
| 20-49    | 87-310   | カバーストップネジ    | SCREW                | 1     |
| 20-50    | 87-414   | ネジ           | SCREW                | 2     |
| 20-51    | 87-095   | ネジ           | SCREW                | 2     |
| 20-52    | 88-147   | 六角ナット        | NUT                  | 2     |
| 20-53    | 00-8057  | メスセット        | THREAD TRIM ASSEMBLY | 1     |
| 20-54    | 05-157   | メス土台ガイド      | GUIDE PLATE          | 1     |
| 20-55    | 05-156   | メス土台止めハネ     | SPRING               | 1     |
| 20-56    | 75-455   | ワッシャー        | WASHER               | 2     |
| 20-57    | 87-083   | ネジ           | SCREW                | 2     |
| 20-58    | 87-272   | ネジ           | SCREW                | 3     |

# 21. UT駆動装置(エア式) THREAD TRIMMING MECHANISM(PNEUMATIC TYPE)

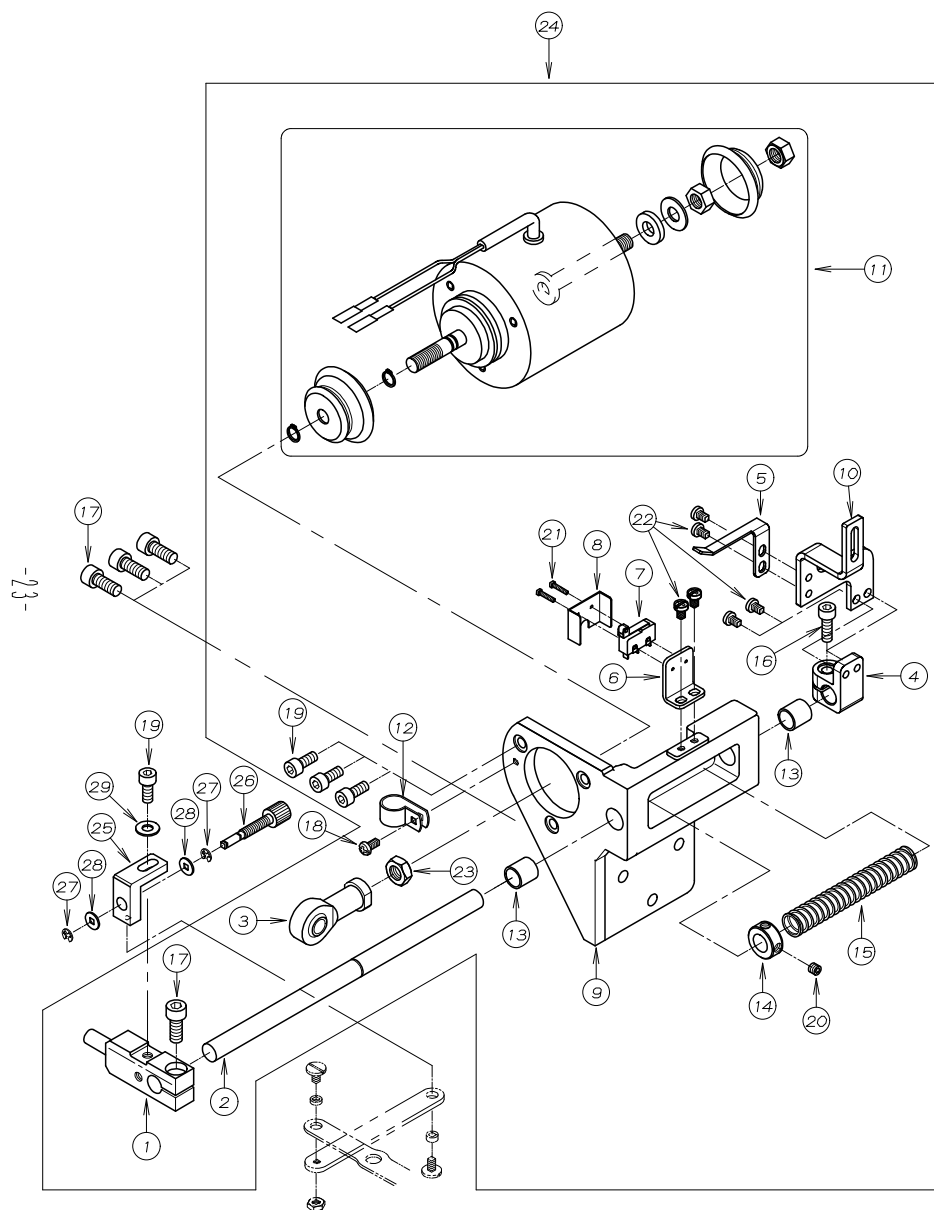
-12-



| REF. NO. | PART NO. | 品 名           | DESCRIPTION                  | Q'TY |
|----------|----------|---------------|------------------------------|------|
| 21-01    | 05-151   | 連結金具          | BRACKET                      | 1    |
| 21-02    | 05-152   | 戻しシャフト        | SHAFT                        | 1    |
| 21-03    | 05-842   | ロッド・エンド・      | ROD                          | 1    |
| 21-04    | 05-927   | レハ・取付台        | BRACKET                      | 1    |
| 21-05    | 05-294   | スイッチカ・イト・     | SWITCH PLATE                 | 1    |
| 21-06    | 05-910   | スイッチ取付板       | PLATE                        | 1    |
| 21-07    | 05-911   | リミットスイッチ      | SWITCH                       | 1    |
| 21-08    | 05-912   | スイッチカハ・       | COVER                        | 1    |
| 21-09    | 05-926   | シリンタ・取付フ・ラケット | BRACKET                      | 1    |
| 21-10    | 05-227   | 糸緩め連結フ・レート    | PLATE                        | 1    |
| 21-11    | 06-927   | ナイロンクリップ      | CLAMP                        | 1    |
| 21-12    | 81-588   | ブッシュ          | BUSHING                      | 2    |
| 21-13    | 79-642   | 戻しハ・ネ         | SPRING                       | 1    |
| 21-14    | 87-245   | 六角穴付きボルト      | BOLT                         | 1    |
| 21-15    | 87-171   | 六角穴付きボルト      | BOLT                         | 4    |
| 21-16    | 87-482   | プラマイナベ小ねじ     | SCREW                        | 1    |
| 21-17    | 87-213   | 六角穴付きボルト      | BOLT                         | 3    |
| 21-18    | 87-252   | ネシ・           | SCREW                        | 1    |
| 21-19    | 87-282   | ネシ・           | SCREW                        | 2    |
| 21-20    | 87-481   | プラマイナベ小ねじ     | SCREW                        | 6    |
| 21-21    | 87-245   | ネシ・           | SCREW                        | 1    |
| 21-22    | 93-222   | Eリング          | E-RING                       | 1    |
| 21-23    | 05-205   | メス駆動シリンタ・     | CYLINDER                     | 1    |
| 21-24    | 06-580   | スピ・ート・コントローラ  | SPPED CONTROLLER             | 2    |
| 21-25    | 00-6083  | メス駆動シリンタ・セット  | CYLINDER ASS'Y               | 1    |
| 21-26    | 05-907   | クッションゴ・ム      | SHOCK RUBBER                 | 1    |
| 21-27    | 05-220   | クッションストッパ・    | COLLAR                       | 1    |
| 21-28    | 05-646   | シリンタ・取付板      | PLATE                        | 1    |
| 21-29    | 06-597   | フ・ラク・         | PLUG                         | 2    |
| 21-30    | 05-647   | 電磁弁2連セット      | SOLENOID VALVE ASSEMBLY      | 1    |
| 21-31    | 00-6116  | UT駆動装置(空気式)   | AIR CYLINDER ASSEMBLY (UT-A) | 1    |
| 21-32    | 87-493   | プラマイナベ小ねじ     | SCREW                        | 2    |
| 21-33    | 05-155   | 調節フ・ラケット      | BRACKET                      | 1    |
| 21-34    | 05-154   | 調節ネシ・         | ADJUST SCREW                 | 1    |
| 21-35    | 93-201   | Eリング          | E-RING                       | 2    |
| 21-36    | 75-473   | ワッシャ          | WASHER                       | 2    |
| 21-37    | 75-453   | ワッシャ          | WASHER                       | 1    |

## 22. UT駆動装置 (電気式)

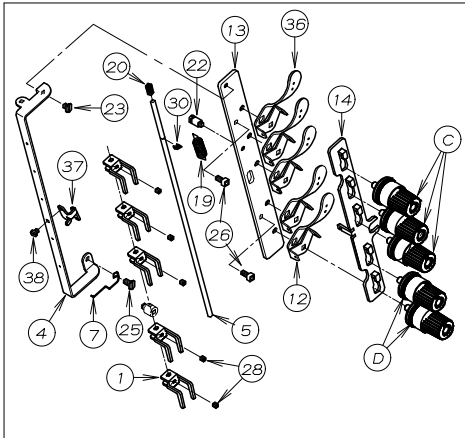
### THREAD TRIMMING MECHANISM (ELECTRIC TYPE)



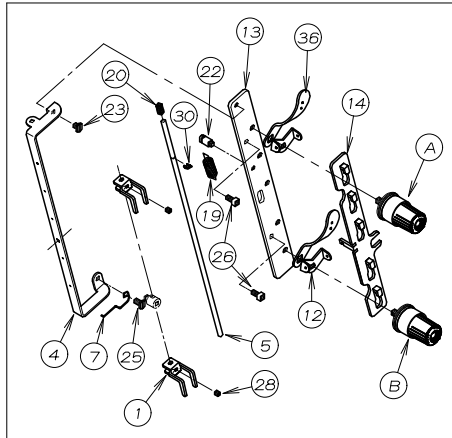
| REF. NO. | PART NO. | 品 名                                    | DESCRIPTION              | Q'TY |
|----------|----------|----------------------------------------|--------------------------|------|
| 22-01    | 05-151   | 連結金具                                   | BRACKET                  | 1    |
| 22-02    | 05-152   | 戻しシャフト                                 | SHAFT                    | 1    |
| 22-03    | 05-842   | ロッド・エント                                | ROD                      | 1    |
| 22-04    | 05-927   | レハ <sup>ン</sup> 取付台                    | BRACKET                  | 1    |
| 22-05    | 05-294   | スイッチカ <sup>ハ</sup> イト                  | SWITCH PLATE             | 1    |
| 22-06    | 05-910   | スイッチ取付板                                | PLATE                    | 1    |
| 22-07    | 05-911   | リミットスイッチ                               | SWITCH                   | 1    |
| 22-08    | 05-912   | スイッチカ <sup>ハ</sup> ー                   | COVER                    | 1    |
| 22-09    | 05-926   | シリンダ <sup>ン</sup> 取付フ <sup>ラ</sup> ケット | BRACKET                  | 1    |
| 22-10    | 05-227   | 糸緩め連結フ <sup>ラ</sup> ート                 | PLATE                    | 1    |
| 22-11    | 06-336   | メス用ソレノイド                               | SOLENOID                 | 1    |
| 22-12    | 06-928   | ナイロンクリップ                               | CLAMP                    | 1    |
| 22-13    | 81-588   | 軸受                                     | BUSHING                  | 2    |
| 22-14    | 75-537   | カラー                                    | COLLAR                   | 1    |
| 22-15    | 79-642   | 戻しハ <sup>ネ</sup>                       | SPRING                   | 1    |
| 22-16    | 87-245   | 六角穴付きボルト                               | BOLT                     | 1    |
| 22-17    | 87-171   | 六角穴付きボルト                               | BOLT                     | 4    |
| 22-18    | 87-482   | プラマイナベ小ねじ                              | SCREW                    | 1    |
| 22-19    | 87-252   | 六角穴付きボルト                               | BOLT                     | 4    |
| 22-20    | 87-274   | ネジ                                     | SCREW                    | 1    |
| 22-21    | 87-282   | ネジ                                     | SCREW                    | 2    |
| 22-22    | 87-481   | プラマイナベ小ねじ                              | SCREW                    | 6    |
| 22-23    | 88-179   | ナット                                    | NUT                      | 1    |
| 22-24    | 00-6117  | UT駆動装置 (電気式)                           | SOLENOID ASSEMBLY (UT-E) | 1    |
| 22-25    | 05-155   | 調節フ <sup>ラ</sup> ケット                   | BRACKET                  | 1    |
| 22-26    | 05-154   | 調節ネジ                                   | ADJUST SCREW             | 1    |
| 22-27    | 93-201   | Eリング                                   | E-RING                   | 2    |
| 22-28    | 75-473   | ワッシャ                                   | WASHER                   | 2    |
| 22-29    | 75-453   | ワッシャ                                   | WASHER                   | 1    |

## 23. 糸調子機構 (UT) THREAD TENSION MECHANISM (UT)

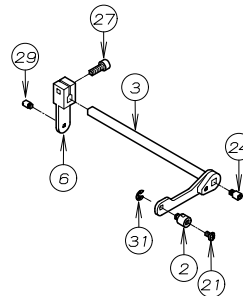
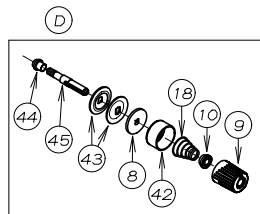
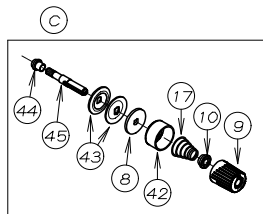
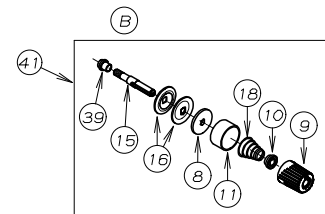
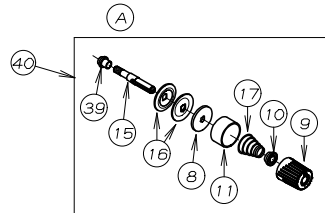
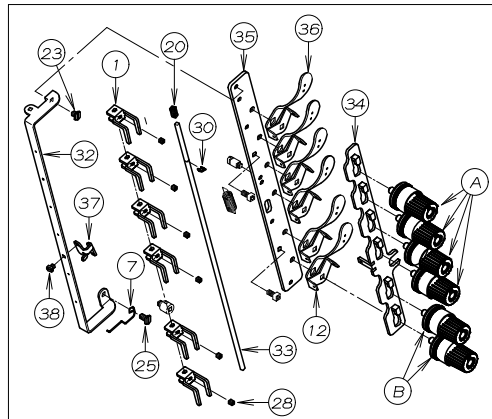
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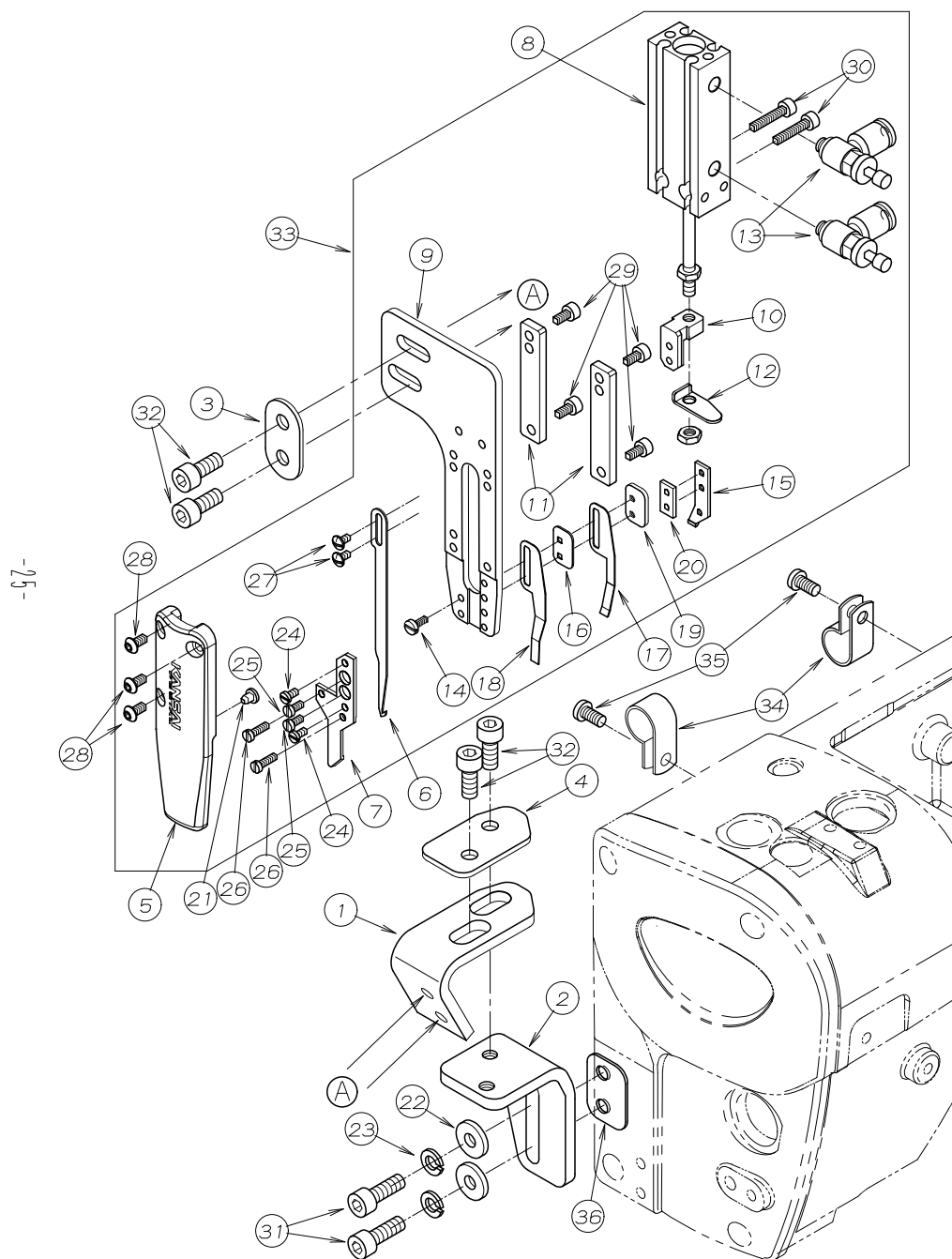
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| REF. NO. | PART NO. | 品 名           | DESCRIPTION                | Q'TY  |
|----------|----------|---------------|----------------------------|-------|
| 23-01    | 05-850   | 糸緩めブロック (大)   | HOLDER (LARGE)             | 5-6   |
| 23-02    | 05-853   | 糸緩め連結片        | HOLDER                     | 1     |
| 23-03    | 05-955   | 糸緩め軸          | SHAFT                      | 1     |
| 23-04    | 05-956   | 糸緩め糸道         | THREAD EYELET              | 1     |
| 23-05    | 05-957   | 糸緩め棒          | SHAFT                      | 1     |
| 23-06    | 05-958   | クランクレハ        | LEVER                      | 1     |
| 23-07    | 05-961   | 糸緩め防振ハネ       | SPRING                     | 1     |
| 23-08    | 23-324   | フェルト          | FELT                       | 5-6   |
| 23-09    | 41-104   | チャンポン皿小ケース    | THREAD TENSION NUT         | 5-6   |
| 23-10    | 41-105   | チャンポン皿ラチェット   | SPRING POST                | 5-6   |
| 23-11    | 41-106   | 大ケース          | SPRING CUP                 | 5-6   |
| 23-12    | 41-115   | 糸道 (上)        | THREAD GUIDE (UPPER)       | 5-6   |
| 23-13    | 41-501   | ブラケット         | BRACKET                    | 1     |
| 23-14    | 41-502   | 糸緩めプレート       | THREAD RELEASER            | 1     |
| 23-15    | 41-527   | 調子棒           | SCREW STUD                 | 5-6   |
| 23-16    | 41-509   | チャンポン皿        | TENSION DISC               | 10-12 |
| 23-17    | 41-701   | チャンポン調子バネ (強) | SPRING (HEAVY)             | 3     |
| 23-18    | 41-702   | チャンポン調子バネ (弱) | SPRING (LIGHT)             | 1-2   |
| 23-19    | 79-514   | 引張りバネ         | SPRING                     | 1     |
| 23-20    | 79-542   | 糸緩め棒防振バネ      | SPRING                     | 1     |
| 23-21    | 84-361   | ネジ            | SCREW                      | 1     |
| 23-22    | 84-501   | ネジ            | SCREW                      | 1     |
| 23-23    | 84-553   | ネジ            | SCREW                      | 1     |
| 23-24    | 84-561   | ネジ            | SCREW                      | 1     |
| 23-25    | 84-574   | ネジ            | SCREW                      | 1     |
| 23-26    | 87-177   | 六角穴付きボルト      | BOLT                       | 2     |
| 23-27    | 87-224   | 六角穴付きボルト      | BOLT                       | 1     |
| 23-28    | 87-286   | ネジ            | SCREW                      | 5-6   |
| 23-29    | 87-423   | 段ネジ           | SCREW                      | 1     |
| 23-30    | 93-201   | Eリング          | E-RING                     | 1     |
| 23-31    | 93-205   | E-リンク         | E-RING                     | 1     |
| 23-32    | 05-962   | 糸緩め糸道         | THREAD EYELET              | 1     |
| 23-33    | 05-963   | 糸緩め棒          | SHAFT                      | 1     |
| 23-34    | 41-519   | 糸緩めプレート       | THREAD RELEASER            | 1     |
| 23-35    | 41-525   | ブラケット         | BRACKET                    | 1     |
| 23-36    | 41-117   | 糸道 (下)        | THREAD GUIDE               | *     |
| 23-37    | 41-514   | ルーハ糸道         | THREAD EYELET              | 1     |
| 23-38    | 84-364   | ネジ            | SCREW                      | 1     |
| 23-39    | 41-526   | 調子棒カラー        | COLLAR                     | 5-6   |
| 23-40    | 40-7510  | チャンポンセット (強)  | THREAD TENSION SET (HEAVY) | *     |
| 23-41    | 40-7520  | チャンポンセット (弱)  | THREAD TENSION SET (LIGHT) | *     |
| 23-42    | 41-108   | チャンポン大ケース     | SPRING CUP                 | *     |
| 23-43    | 41-528   | チャンポン皿        | TENSION DISC               | *     |
| 23-44    | 41-531   | 調子棒カラー        | COLLAR                     | *     |
| 23-45    | 41-532   | 調子棒           | SCREW STUD                 | *     |

## 24. 上飾り糸切装置 (エア式)

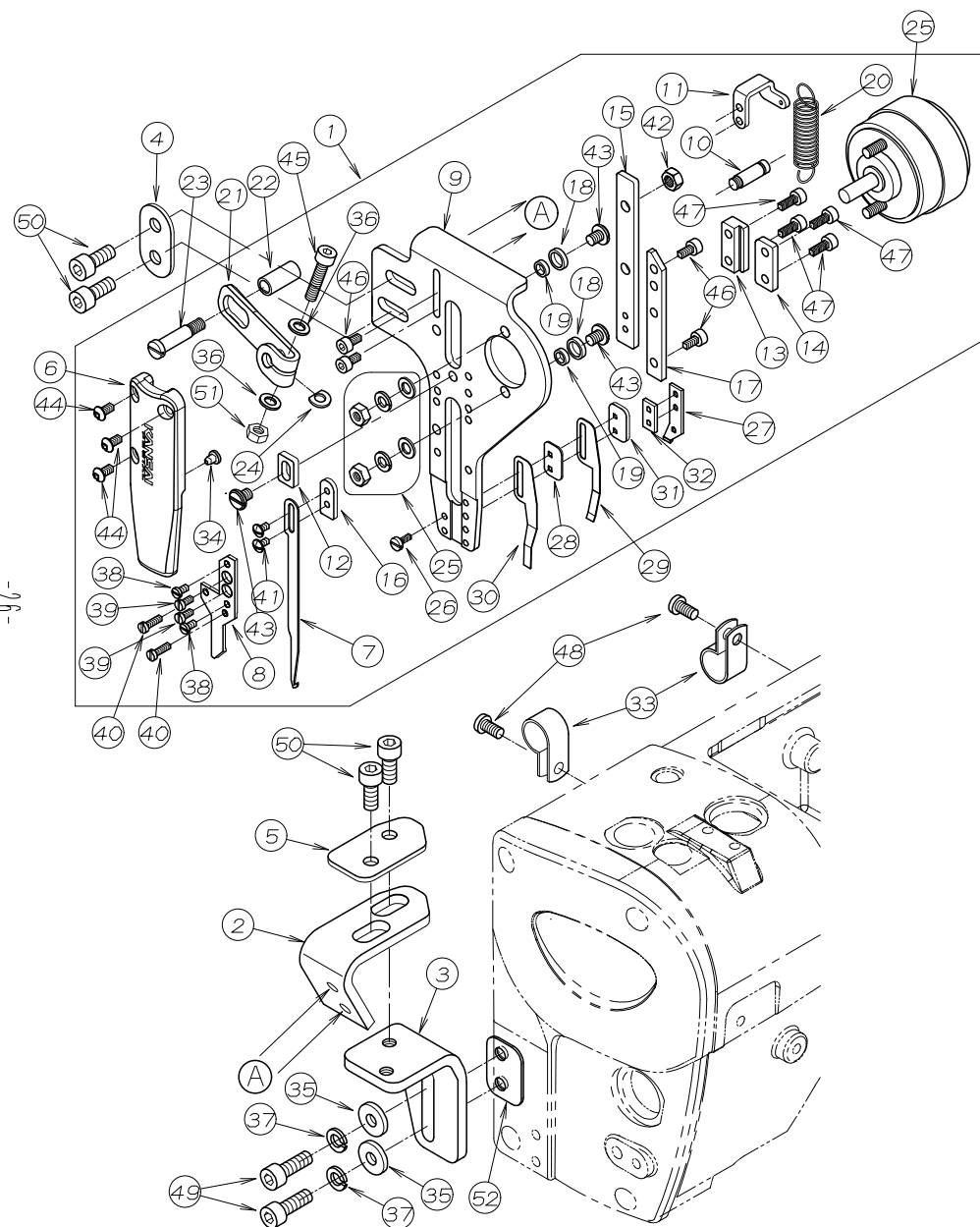
### SPREADER THREAD TRIMMING MECHANISM (PNEUMATIC TYPE)



| REF. NO. | PART NO. | 品 名           | DESCRIPTION             | Q' TY |
|----------|----------|---------------|-------------------------|-------|
| 24-01    | 05-271   | 調節金具          | BRACKET                 | 1     |
| 24-02    | 05-272   | 取付ブラケット       | BRACKET                 | 1     |
| 24-03    | 05-273   | 取付金具 (1)      | BRACKET                 | 1     |
| 24-04    | 05-274   | 取付金具 (2)      | BRACKET                 | 1     |
| 24-05    | 05-275   | カバー           | COVER                   | 1     |
| 24-06    | 05-276   | 可動メス          | TRIMMING KNIFE          | 1     |
| 24-07    | 05-277   | 固定メス          | FIXED KNIFE             | 1     |
| 24-08    | 05-278   | エアシリンダー       | AIR CYLINDER            | 1     |
| 24-09    | 05-279   | 取付ベースプレート     | BASE PLATE              | 1     |
| 24-10    | 05-280   | シリンダーブロック     | CYLINDER BLOCK          | 1     |
| 24-11    | 05-281   | ガイド           | GUIDE                   | 2     |
| 24-12    | 05-282   | 調節レバー         | LEVER                   | 1     |
| 24-13    | 05-481   | スピードコントローラー   | SPEED CONTROLLER        | 2     |
| 24-14    | 06-601   | ネジ            | SCREW                   | 1     |
| 24-15    | 06-602   | ハネ調節ライナー      | LINER                   | 1     |
| 24-16    | 06-603   | メス裏ハネライナー     | LINER                   | 1     |
| 24-17    | 06-604   | メス裏ハネ (強)     | LEAF SPRING             | 1     |
| 24-18    | 06-605   | メス裏ハネ (弱)     | LEAF SPRING             | 1     |
| 24-19    | 06-608   | 裏ハネ止板         | PLATE                   | 1     |
| 24-20    | 06-630   | ハネ調節スプレッドプレート | PLATE                   | 1     |
| 24-21    | 23-512   | クッションゴム       | CUSHION RUBBER          | 1     |
| 24-22    | 75-456   | ワッシャー         | WASHER                  | 2     |
| 24-23    | 75-526   | スプリングワッシャー    | SPRING WASHER           | 2     |
| 24-24    | 85-102   | ネジ            | SCREW                   | 2     |
| 24-25    | 85-105   | ネジ            | SCREW                   | 2     |
| 24-26    | 85-106   | ネジ            | SCREW                   | 2     |
| 24-27    | 85-613   | ネジ            | SCREW                   | 2     |
| 24-28    | 87-099   | ネジ            | SCREW                   | 3     |
| 24-29    | 87-123   | 六角穴付きボルト      | BOLT                    | 4     |
| 24-30    | 87-140   | 六角穴付きボルト      | BOLT                    | 2     |
| 24-31    | 87-245   | 六角穴付きボルト      | BOLT                    | 2     |
| 24-32    | 87-252   | 六角穴付きボルト      | BOLT                    | 4     |
| 24-33    | 00-8096  | 上飾り糸切セット (エア) | THREAD TRIM ASS'Y (AIR) | 1     |
| 24-34    | 06-928   | ナイロンクリップ      | CLAMP                   | 2     |
| 24-35    | 87-482   | プラマイナベ小ねじ     | SCREW                   | 2     |
| 24-36    | 05-293   | スペーサー         | PLATE                   | 1     |

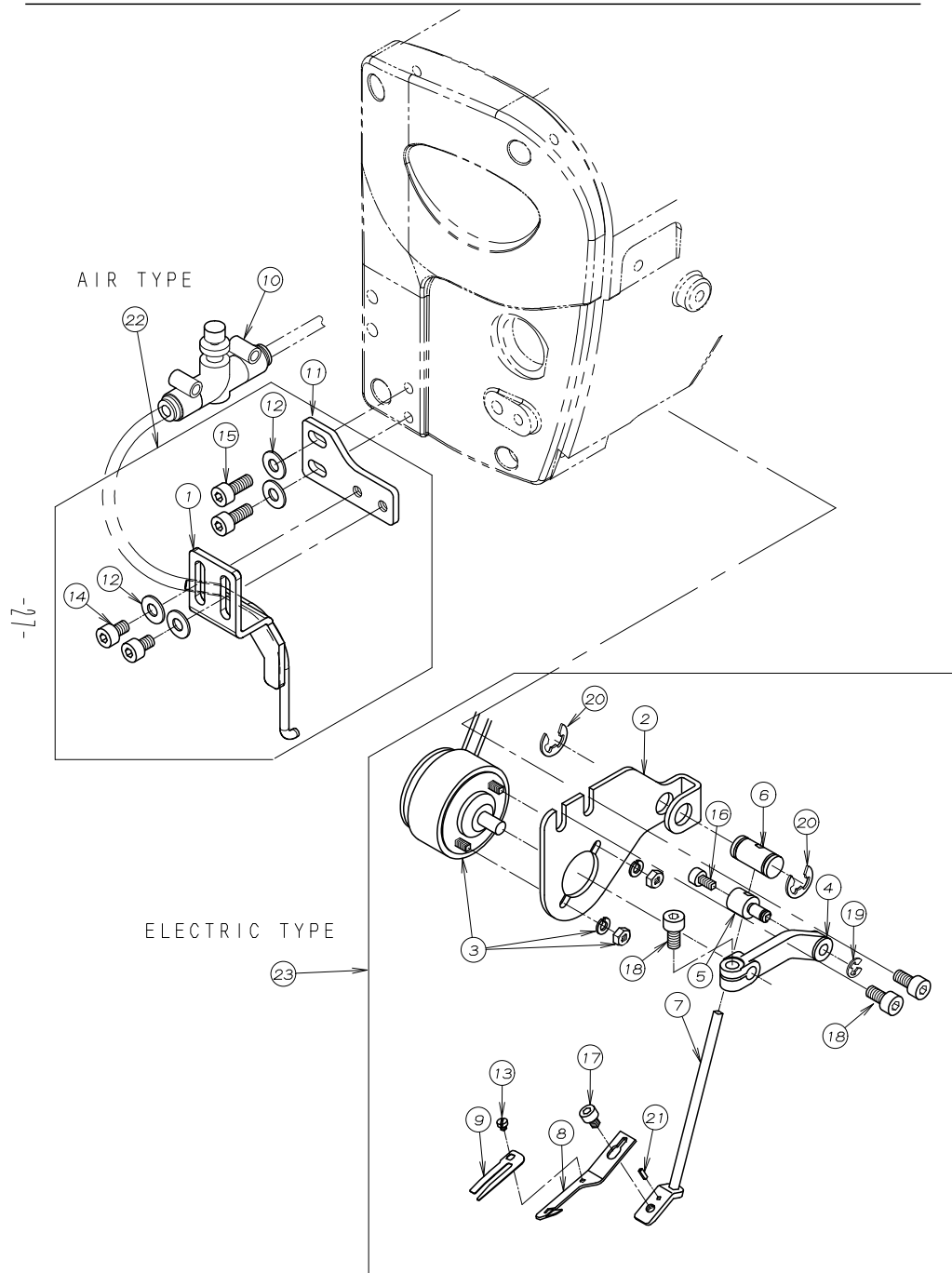
## 25. 上飾り糸切装置 (電気式)

### SPREADER THREAD TRIMMING MECHANISM (ELECTRIC TYPE)



| REF. NO. | PART NO. | 品 名            | DESCRIPTION       | Q' TY |
|----------|----------|----------------|-------------------|-------|
| 25-01    | 00-8097  | 上飾り糸切セット (電気式) | THREAD TRIM ASS'Y | 1     |
| 25-02    | 05-271   | 調節金具           | BRACKET           | 1     |
| 25-03    | 05-272   | 取付ブラケット        | BRACKET           | 1     |
| 25-04    | 05-273   | 取付金具 (1)       | BRACKET           | 1     |
| 25-05    | 05-274   | 取付金具 (2)       | BRACKET           | 1     |
| 25-06    | 05-275   | カバー            | COVER             | 1     |
| 25-07    | 05-276   | 可動メス           | TRIMMING KNIFE    | 1     |
| 25-08    | 05-277   | 固定メス           | FIXED KNIFE       | 1     |
| 25-09    | 05-283   | 取付ベースプレート      | BASE PLATE        | 1     |
| 25-10    | 05-284   | ピン             | PIN               | 1     |
| 25-11    | 05-285   | フック            | HANGER            | 1     |
| 25-12    | 05-286   | ストッパー          | STOP PLATE        | 1     |
| 25-13    | 05-287   | メス押えカバー (A)    | COVER             | 1     |
| 25-14    | 05-288   | メス押えカバー (B)    | COVER             | 1     |
| 25-15    | 05-289   | 可動メスベース        | BRACKET           | 1     |
| 25-16    | 05-290   | スペーサー          | PLATE             | 1     |
| 25-17    | 05-291   | ガイド            | GUIDE             | 1     |
| 25-18    | 05-881   | カゝイトゝローラー      | GUIDE ROLLER      | 2     |
| 25-19    | 05-882   | カゝイトゝローラー (小)  | GUIDE ROLLER      | 2     |
| 25-20    | 06-367   | 引張コイルハゝネ       | SPRING            | 1     |
| 25-21    | 06-371   | ソレノイドゝ回転レハゝ    | LEVER             | 1     |
| 25-22    | 06-372   | カゝイトゝローラー      | GUIDE ROLLER      | 1     |
| 25-23    | 06-374   | カゝイトゝローラーネジ    | GUIDE SCREW       | 1     |
| 25-24    | 06-375   | スハゝーサー         | WASHER            | 1     |
| 25-25    | 06-376   | ロータリーソレノイド     | SOLENOID          | 1     |
| 25-26    | 06-601   | ネジ             | SCREW             | 1     |
| 25-27    | 06-602   | ハゝネ調節ライナー      | LINER             | 1     |
| 25-28    | 06-603   | メス裏ハゝネライナー     | LINER             | 1     |
| 25-29    | 06-604   | メス裏ハゝネ (強)     | LEAF SPRING       | 1     |
| 25-30    | 06-605   | メス裏ハゝネ (弱)     | LEAF SPRING       | 1     |
| 25-31    | 06-608   | 裏ハゝネ止板         | PLATE             | 1     |
| 25-32    | 06-630   | ハゝネ調節スハゝース板    | PLATE             | 1     |
| 25-33    | 06-928   | ナイロンクリップ       | CLAMP             | 2     |
| 25-34    | 23-512   | クッションコゝム       | CUSHION RUBBER    | 1     |
| 25-35    | 75-456   | ワッシャ           | WASHER            | 2     |
| 25-36    | 75-468   | ワッシャ           | WASHER            | 2     |
| 25-37    | 75-526   | スフゝリンクゝ ワッシャ   | SPRING WASHER     | 2     |
| 25-38    | 85-102   | ネジ             | SCREW             | 2     |
| 25-39    | 85-105   | ネジ             | SCREW             | 2     |
| 25-40    | 85-106   | ネジ             | SCREW             | 2     |
| 25-41    | 85-613   | ネジ             | SCREW             | 2     |
| 25-42    | 86-311   | ナット            | NUT               | 1     |
| 25-43    | 87-080   | ネジ             | SCREW             | 3     |
| 25-44    | 87-099   | ネジ             | SCREW             | 3     |
| 25-45    | 87-112   | 六角穴付きボルト       | BOLT              | 1     |
| 25-46    | 87-123   | 六角穴付きボルト       | BOLT              | 4     |
| 25-47    | 87-124   | ネジ             | SCREW             | 4     |
| 25-48    | 87-482   | プラマイナベ小ねじ      | SCREW             | 2     |
| 25-49    | 87-245   | 六角穴付きボルト       | BOLT              | 2     |
| 25-50    | 87-252   | 六角穴付きボルト       | BOLT              | 4     |
| 25-51    | 88-146   | ナット            | NUT               | 1     |
| 25-52    | 05-293   | スペーサー          | PLATE             | 1     |

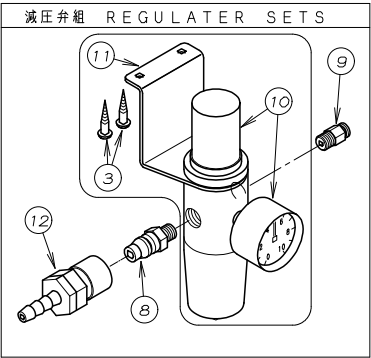
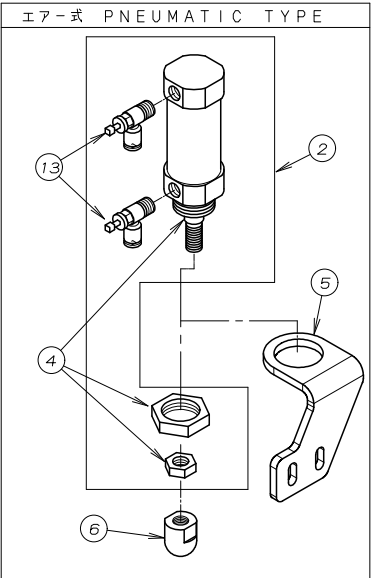
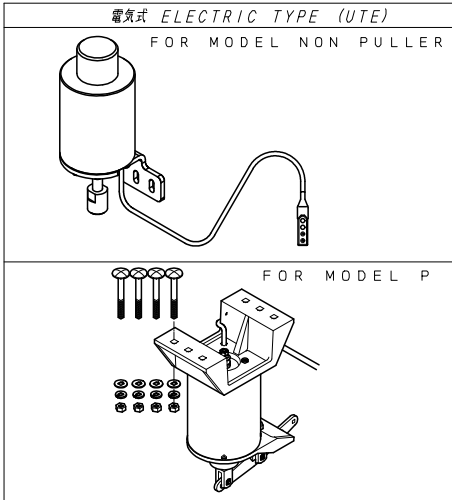
## 26. 上糸払い装置 THREAD WIPER MECHANISM



| REF. NO. | PART NO. | 品 名           | DESCRIPTION                       | Q' TY |
|----------|----------|---------------|-----------------------------------|-------|
| 26-01    | 06-284   | エアノズル         | AIR NOZZLE                        | 1     |
| 26-02    | 06-490   | ソレノイド* 取付台    | BRACKET                           | 1     |
| 26-03    | 06-492   | ワイパ* -ソレノイド*  | SOLENOID                          | 1     |
| 26-04    | 06-493   | ソレノイド* レバ* -  | LEVER                             | 1     |
| 26-05    | 06-494   | 段付ピ* ン        | PIN                               | 1     |
| 26-06    | 06-495   | 案内ピ* ン        | GUIDE PIN                         | 1     |
| 26-07    | 06-496   | ワイパ* -取付台     | BRACKET                           | 1     |
| 26-08    | 06-497   | ワイパ* -        | WIPER                             | 1     |
| 26-09    | 06-498   | 糸挟みハ* ネ       | SPRING                            | 1     |
| 26-10    | 05-640   | スピードコントローラ*   | SPEED CONTROLER                   | 1     |
| 26-11    | 27-236   | エアノズル取付プレート   | BRACKET                           | 1     |
| 26-12    | 75-455   | ワッシャ          | WASHER                            | 4     |
| 26-13    | 87-091   | ネジ*           | SCREW                             | 1     |
| 26-14    | 87-092   | 六角穴付きボルト      | BOLT                              | 2     |
| 26-15    | 87-113   | 六角穴付きボルト      | BOLT                              | 2     |
| 26-16    | 87-123   | 六角穴付きボルト      | BOLT                              | 1     |
| 26-17    | 87-142   | ネジ*           | SCREW                             | 1     |
| 26-18    | 87-177   | 六角穴付きボルト      | BOLT                              | 3     |
| 26-19    | 93-201   | Eリング          | E-RING                            | 1     |
| 26-20    | 93-213   | E型止め輪         | E-RING                            | 2     |
| 26-21    | 93-717   | スフ* リンク* ピ* ン | SPRING PIN                        | 1     |
| 26-22    | 00-8036  | 糸払い装置 (エア*)   | WIPER MECHANISM ASS' Y (AIR)      | 1     |
| 26-23    | 00-8035  | 糸払い装置 (電気*)   | WIPER MECHANISM ASS' Y (ELECTRIC) | 1     |

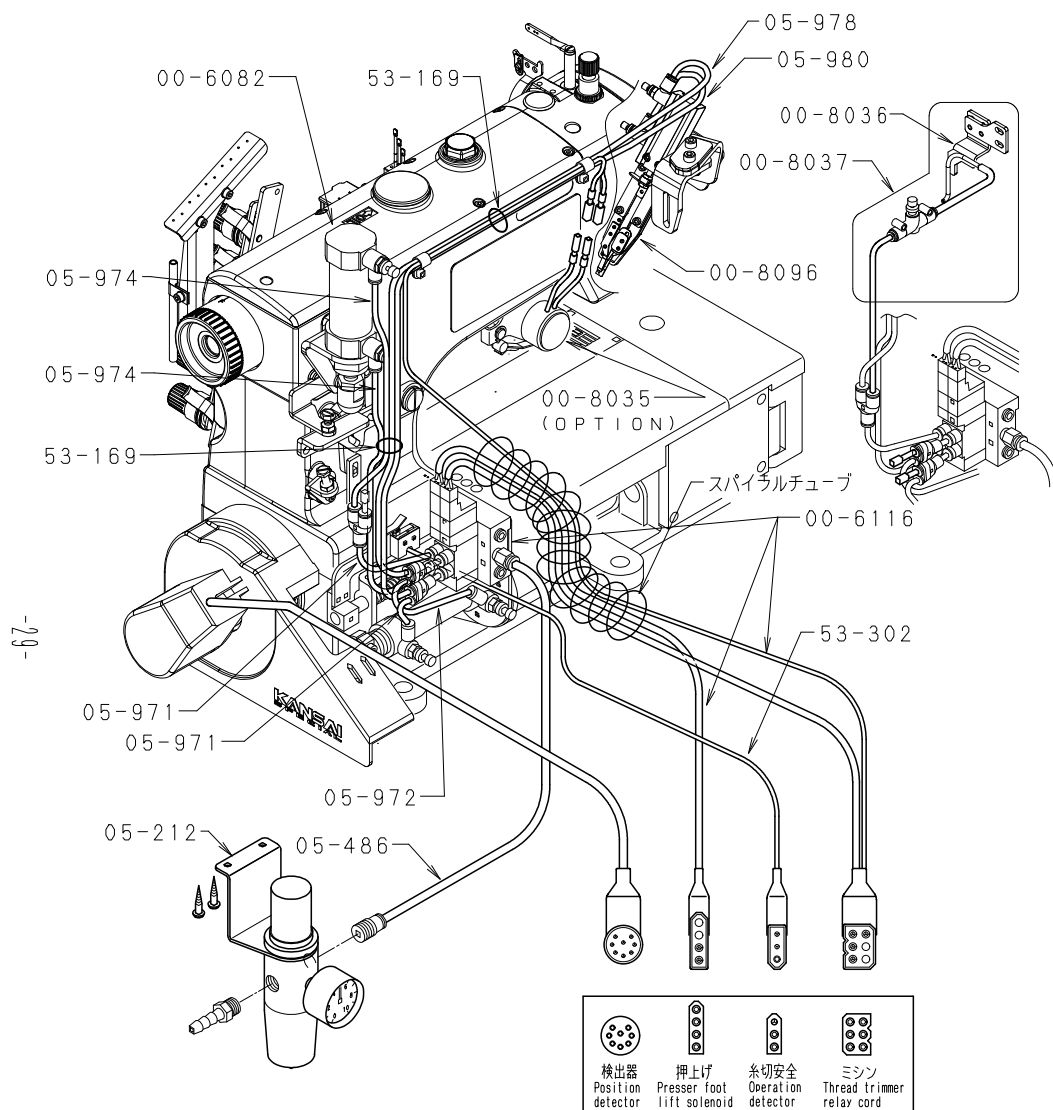
27. 押え揚げ装置, レギュレーターセット

FOOT LIFTER MECHANISM, REGULATOR SETS



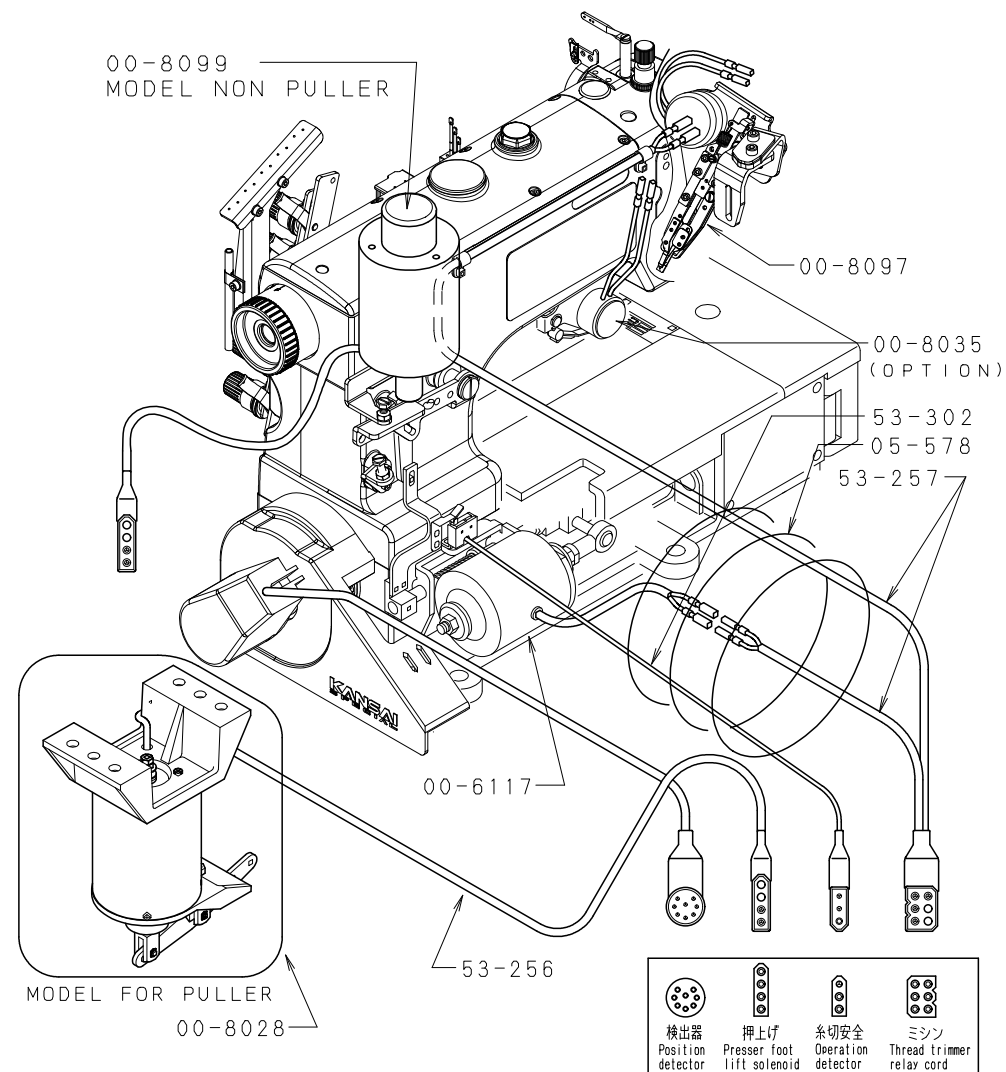
| REF. NO. | PART NO.  | 品 名          | DESCRIPTION                 | Q' TY |
|----------|-----------|--------------|-----------------------------|-------|
| 27-01    | 00-8099   | 電気式押え揚げ装置    | FOOT LIFTER SOLENOID ASS' Y | 1     |
| 27-02    | 00-6082   | 押え揚げシリンダーセット | AIR CYLINDER ASS' Y         | 1     |
| 27-03    | 87-905    | 木ネジ          | SCREW                       | 1     |
| 27-04    | 05-207    | 押え揚げシリンダー    | AIR CYLINDER                | 1     |
| 27-05    | 77-032    | シリンダーブレース    | BRACKET                     | 1     |
| 27-06    | 05-897    | シリンダー作動チップ   | CHIP                        | 1     |
| 27-07    | 05-212    | フィルタレギュレーター  | REGULATOR                   | 1     |
| 27-08    | 06-516    | カフラメス        | CONNECTOR                   | 1     |
| 27-09    | 05-218    | 六角穴付ハーフユニオン  | JOINT                       | 1     |
| 27-10    | 05-2120-A | フィルタレギュレーター  | REGULATOR                   | 1     |
| 27-11    | 05-2120-B | 取り付けブラケット    | BRACKET                     | 1     |
| 27-12    | 06-517    | カフラオス        | CONNECTOR                   | 1     |
| 27-13    | 06-580    | スピードコントローラー  | SPEED CONTROLLER            | 2     |
| 27-14    | 00-8028   | UT電気式押え揚げ装置  | FOOT LIFTER SOLENOID ASS' Y | 1     |

## 28-1. 配管, 配線図 (エア式) WIRING AND PIPING (PNEUMATIC TYPE)



| PART NO. | 品 名          | description                                   |
|----------|--------------|-----------------------------------------------|
| 00-8096  | 上糸糸切装置 (エア式) | spreader thread trimming mechanism (AIR TYPE) |
| 00-8036  | 上糸払い装置 (エア式) | thread wiper mechanism ass'y (air)            |
| 00-6082  | 押揚シリンダーセット   | presser foot lifter cylinder ass'y            |
| 00-6116  | UT空圧装置       | air cylinder assembly (UTA)                   |
| 05-212   | レギュレータ       | regulator                                     |
| 00-8035  | 上糸払い装置 (電気)  | thread wiper mechanism ass'y (electric)       |

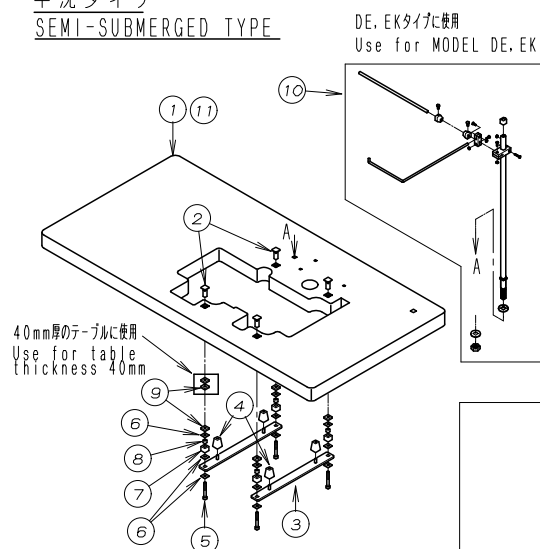
## 28-2. 配線図 (電気式) CORD CONNECTION (ELECTRIC TYPE)



| PART NO. | 品 名        | description                                         |
|----------|------------|-----------------------------------------------------|
| 00-8097  | 上糸糸切装置     | spreader thread trimming mechanism                  |
| 00-8099  | UT電気式押揚げ装置 | presser foot lifter solenoid ass'y (FOR NON PULLER) |
| 00-8028  | UT電気式押揚げ装置 | presser foot lifter solenoid ass'y (FOR PULLER)     |
| 00-6117  | UT電気式下糸切装置 | solenoid assembly (UTE)                             |
| 00-8035  | 上糸払い装置     | thread wiper mechanism ass'y (electric)             |
| 53-257   | 中継コード      | relay cord                                          |

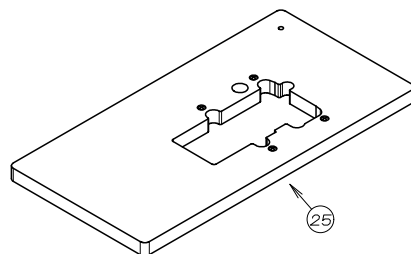
## 29. テーブル関係 TABLE

### 半沈タイプ SEMI-SUBMERGED TYPE

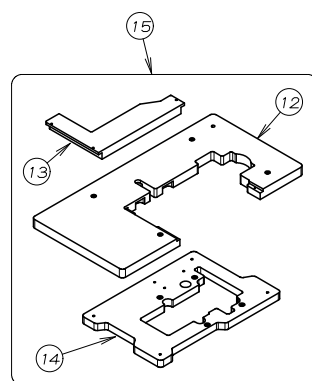


### 半沈タイプダイレクトモーター用

### SEMI-SUBMERGED TYPE DIRECT MOTOR TYPE



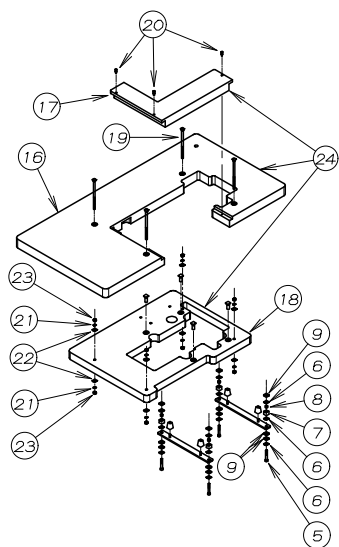
### NW, NL全沈タイプ FULLY-SUBMERGED TYPE



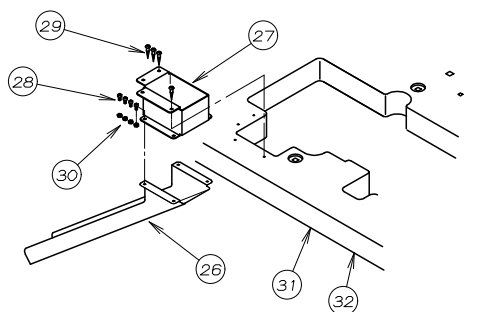
NW, NL/STANDARD  
8842-1, CS1  
サーボモーター及びダイレクトモーター  
SERVO, DIRECT MOTOR

\*UTモデル及び  
NL5803GPシリーズは除く  
EXCEPT  
UT, NL5803GP

### NL5803GP全沈タイプ FULLY-SUBMERGED TYPE

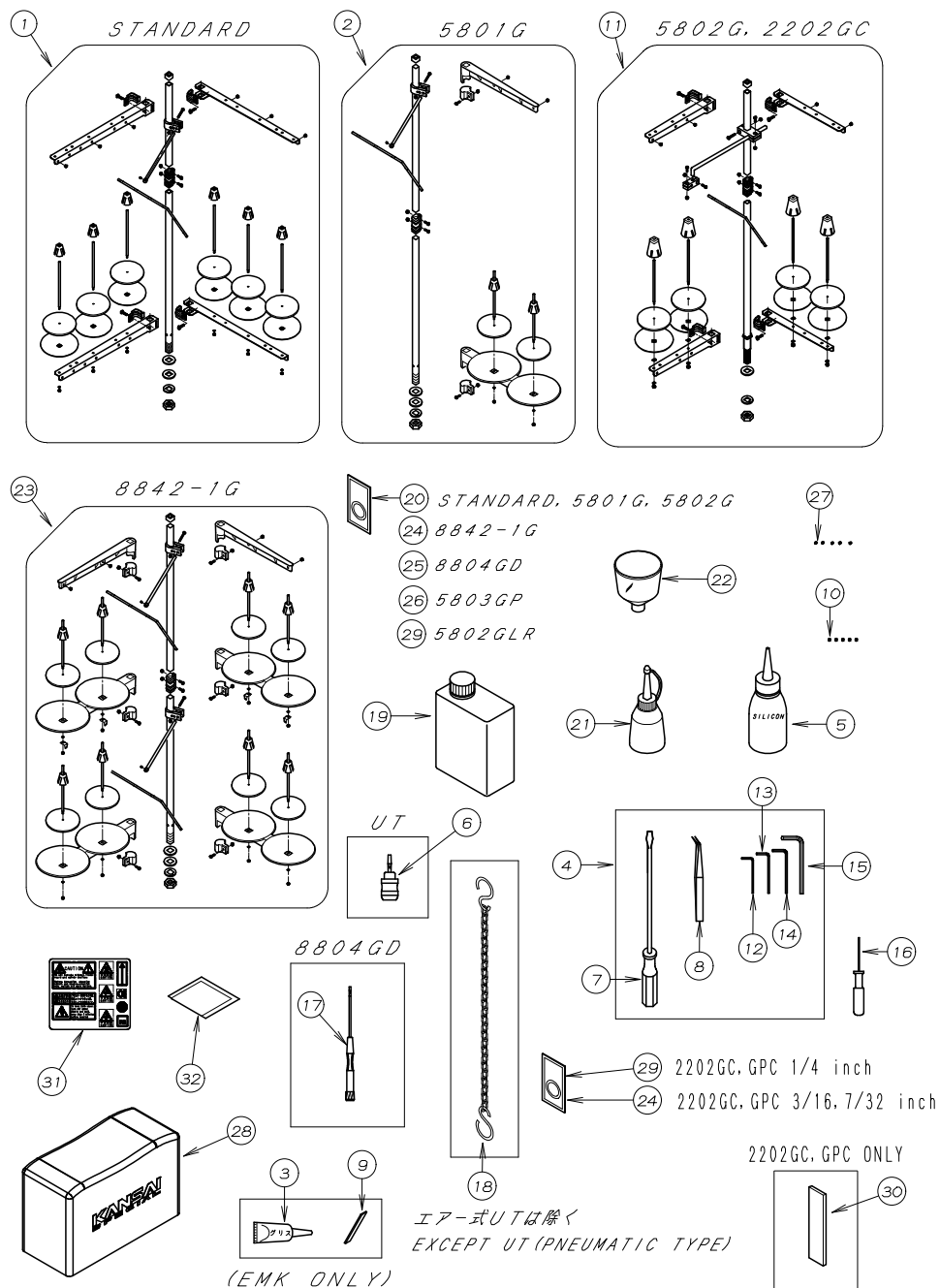


### GC, GPC, EKタイプに使用 Use for MODEL GC, GPC



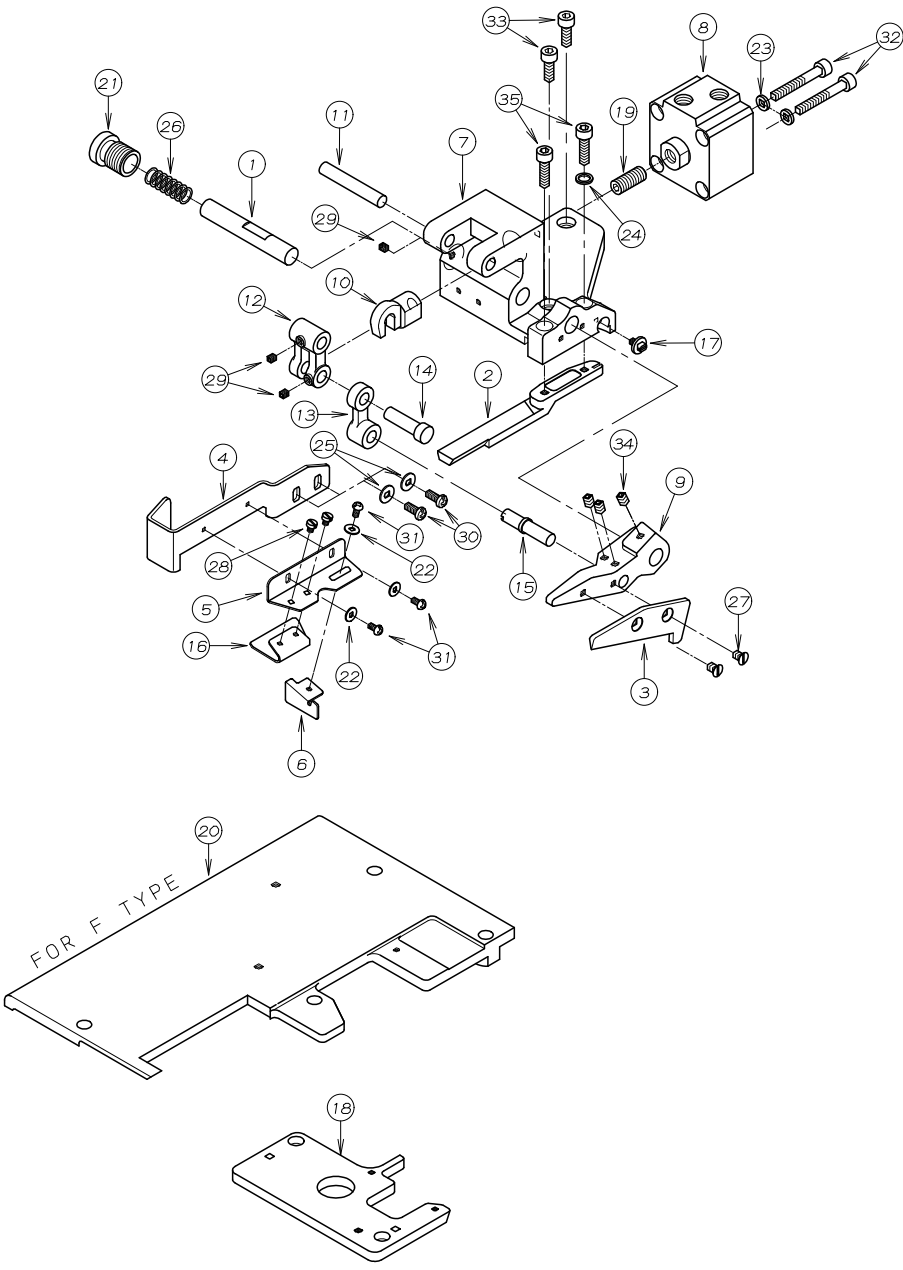
| REF. NO. | PART NO.  | 品 名               | DESCRIPTION                       | Q' TY |
|----------|-----------|-------------------|-----------------------------------|-------|
| 29-01    | 21-668    | テーブ ル             | TABLE                             | 1     |
| 29-02    | 42-503    | 本体据付ナット           | NUT                               | 4     |
| 29-03    | 25-524    | タンク取付金具           | SUPPORTING BOARD                  | 2     |
| 29-04    | 23-509    | クッションゴ ム          | CUSHION RUBBER                    | 4     |
| 29-05    | 87-281    | 六角穴ボ ルト           | BOLT                              | 4     |
| 29-06    | 75-535    | ワッシャ              | WASHER                            | 12    |
| 29-07    | 42-508    | 防振ゴ ム             | SWING PROOF RUBBER                | 4     |
| 29-08    | 42-509    | 防振ゴ ムカラー          | SWING PROOF RUBBER COLLAR         | 4     |
| 29-09    | 42-507    | スペーサー             | SPACER                            | 12    |
| 29-10    | 20-6050-0 | テープ 立て (組)        | TAPE STAND ASSEMBLY               | 1     |
| 29-11    | 21-013    | テーブ ル (DE用)       | TABLE (FOR DE TYPE)               | 1     |
| 29-12    | NW-882    | テーブル (上)          | TABLE (UPPER)                     | 1     |
| 29-13    | NW-883    | テーブル (前)          | TABLE (FRONT)                     | 1     |
| 29-14    | NW-884    | テーブル (下)          | TABLE (UNDER)                     | 1     |
| 29-15    | NW-885    | テーブルセット           | TABLE ASS' Y                      | 1     |
| 29-16    | 27-626    | テーブル (上)          | TABLE (UPPER)                     | 1     |
| 29-17    | 27-627    | テーブル (前)          | TABLE (FRONT)                     | 1     |
| 29-18    | 27-628    | テーブル (下)          | TABLE (UNDER)                     | 1     |
| 29-19    | 42-510    | 根角ボ ルト            | SCREW                             | 4     |
| 29-20    | 42-511    | ピン                | PIN                               | 3     |
| 29-21    | 75-225    | スフ リング ワッシャ       | SPRING WASHER                     | 8     |
| 29-22    | 75-535    | ワッシャ              | WASHER                            | 8     |
| 29-23    | 88-176    | ナット               | NUT                               | 8     |
| 29-24    | 27-6260-1 | テーブ ル全沈式セット       | TABLE ASS' Y                      | 1     |
| 29-25    | 27-342    | 半沈テーブ ルダイレクトモーター用 | SEMI SUBMERGED TABLE DIRECT MOTOR | 1     |
| 29-26    | 28-701    | シューター             | CHUTE                             | 1     |
| 29-27    | 28-702    | シューター取付台          | BRACKET                           | 1     |
| 29-28    | 87-177    | ネジ                | SCREW                             | 4     |
| 29-29    | 87-905    | 木ネジ               | SCREW                             | 4     |
| 29-30    | 88-146    | ナット               | NUT                               | 4     |
| 29-31    | 21-028    | テーブ ル (EK)        | TABLE                             | 1     |
| 29-32    | 21-068    | テーブ ル (GC, GPC)   | TABLE                             | 1     |

# 30. 糸立て及びアクセサリ関係 THREAD STAND AND ACCESSORIES



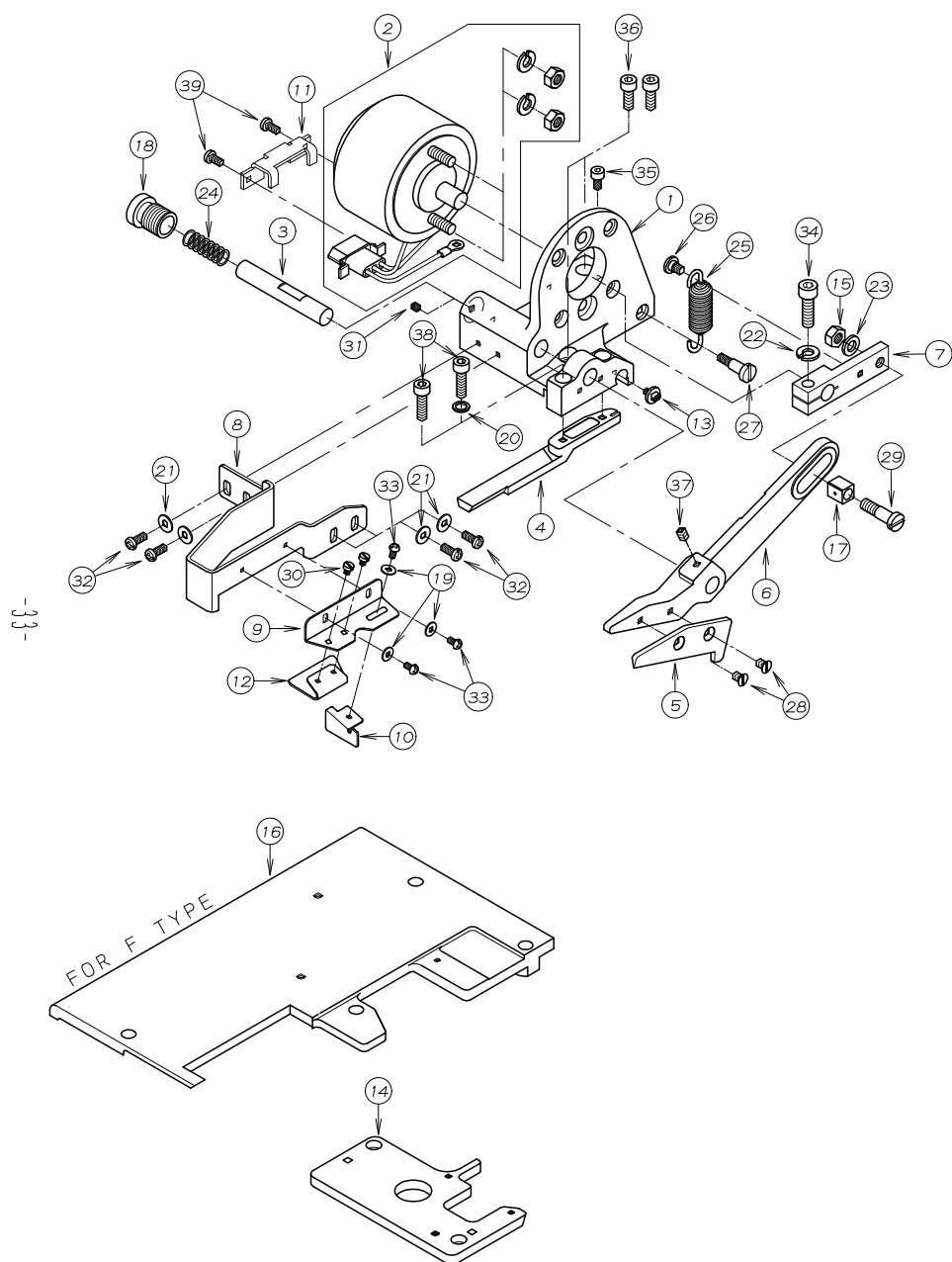
| REF. NO. | PART NO.  | 品 名                | DESCRIPTION               | Q' TY |
|----------|-----------|--------------------|---------------------------|-------|
| 30-01    | 42-706    | 6本糸立               | THREAD STAND ASSEMBLY (6) | 1     |
| 30-02    | 42-712    | 2本糸立               | THREAD STAND ASSEMBLY (2) | 1     |
| 30-03    | 28-600    | グリス (70g)          | GREASE                    | 1     |
| 30-04    | 20-0010   | 付属部品ケース            | ACCESSORIES               | 1     |
| 30-05    | 28-612    | シリコンオイル            | SILICON OIL               | 1     |
| 30-06    | 28-454    | ドライバ - (小)         | DRIVER (SMALL)            | 1     |
| 30-07    | 28-452    | ドライバ - (大)         | DRIVER (LARGE)            | 1     |
| 30-08    | 28-011    | ピンセット              | TWEZERS                   | 1     |
| 30-09    | 07-522    | 下メス                | LOWER KNIFE               | 1     |
| 30-10    | 87-104    | ネジ                 | SCREW                     | 5     |
| 30-11    | 42-704    | 4本糸立セット            | THREAD STAND ASSEMBLY (4) | 1     |
| 30-12    | 28-311    | 六角レンチ 2mm          | ALLEN KEY (2mm)           | 1     |
| 30-13    | 28-312    | 六角レンチ 2.5mm        | ALLEN KEY (2.5mm)         | 1     |
| 30-14    | 28-313    | 六角レンチ 3mm          | ALLEN KEY (3mm)           | 1     |
| 30-15    | 28-314    | 六角レンチ 5mm          | ALLEN KEY (5mm)           | 1     |
| 30-16    | 28-317    | グリップ付六角レンチ 1.5mm   | ALLEN KEY (1.5mm)         | 1     |
| 30-17    | 28-318    | 精密マイナストライバ - 2.5mm | SCREWDRIVER               | 1     |
| 30-18    | 28-920    | 運動クサリ              | CHAIN                     | 1     |
| 30-19    | 28-613    | マシン潤滑油             | OIL                       | 1     |
| 30-20    | 13-0110-6 | 針 UY×128GAS #11    | NEEDLE                    | 1     |
| 30-21    | 28-614    | 油差し                | OILER                     | 1     |
| 30-22    | 28-615    | ジョウゴ               | OIL FUNNEL                | 1     |
| 30-23    | 42-708    | 8本糸立               | THREAD STAND ASSEMBLY (8) | 1     |
| 30-24    | 13-0140-6 | 針 UY×128GAS #14    | NEEDLE                    | 1     |
| 30-25    | 13-3020-5 | 針 SM1014H #10S     | NEEDLE                    | 1     |
| 30-26    | 13-1480-5 | 針 TV×5 #18         | NEEDLE                    | 1     |
| 30-27    | 85-603    | ネジ                 | SCREW                     | 5     |
| 30-28    | 28-557    | ミシンカバー             | COVER                     | 1     |
| 30-29    | 13-0160-6 | 針 UY×128GAS #16    | NEEDLE                    | 1     |
| 30-30    | 07-432    | 固定メス               | LOWER KNIFE               | 1     |
| 30-31    | 20-6200   | 警告ラベルシール           | INFORMATION SEAL          | 1     |
| 30-32    | 28-610    | 気化性防錆剤             | CORROSION INHIBITOR       | 1     |

31. テープ° カッター装置 (エア° 式) TAPE CUTTER MECHANISM (PNEUMATIC TYPE)



| REF. NO. | PART NO. | 品 名           | DESCRIPTION                  | Q' TY |
|----------|----------|---------------|------------------------------|-------|
| 31-01    | 08-003   | 上メスシャフト       | SHAFT                        | 1     |
| 31-02    | 08-004   | 下メス           | LOWER KNIFE                  | 1     |
| 31-03    | 08-005   | 上メス           | UPPER KNIFE                  | 1     |
| 31-04    | 08-009   | 安全カバー         | SAFETY COVER                 | 1     |
| 31-05    | 08-011   | 布ガイド° (大)     | FABRIC GUIDE (LARGE)         | 1     |
| 31-06    | 08-012   | 布ガイド° (小)     | FABRIC GUIDE (SMALL)         | 1     |
| 31-07    | 08-014W  | シリンダ° 取付ブラケット | BRACKET                      | 1     |
| 31-08    | 08-015   | エアシリンダ°       | AIR CYLINDER                 | 1     |
| 31-09    | 08-017W  | 上メスレバー        | LEVER                        | 1     |
| 31-10    | 08-018   | フック           | KNUCKLE                      | 1     |
| 31-11    | 08-019   | リンクシャフト       | SHAFT                        | 1     |
| 31-12    | 08-020   | 連結リンク         | LINK                         | 1     |
| 31-13    | 08-021   | 連結レバー         | LEVER                        | 1     |
| 31-14    | 08-022   | リンクピン         | LINK PIN                     | 1     |
| 31-15    | 08-023   | 偏心ピン          | ADJUSTING PIN                | 1     |
| 31-16    | 08-031   | テープ° 案内板      | FABRIC GUIDE                 | 1     |
| 31-17    | 08-041   | ネジ°           | SCREW                        | 1     |
| 31-18    | 14-148   | 針板土台          | NEEDLE PLATE SUPPORT BRACKET | 1     |
| 31-19    | 87-313   | ネジ°           | SCREW                        | 1     |
| 31-20    | 27-023W  | F用上° スカカバー    | CLOTH PLATE                  | 1     |
| 31-21    | 52-182   | メス押シネジ°       | SCREW                        | 1     |
| 31-22    | 75-224   | ワッシャ          | WASHER                       | 3     |
| 31-23    | 75-339   | ワッシャ          | WASHER                       | 2     |
| 31-24    | 75-370   | ワッシャ          | WASHER                       | 1     |
| 31-25    | 75-455   | ワッシャ          | WASHER                       | 2     |
| 31-26    | 79-171   | 圧縮ハ° ネ        | SPRING                       | 1     |
| 31-27    | 84-661   | ネジ°           | SCREW                        | 2     |
| 31-28    | 87-095   | ネジ°           | SCREW                        | 2     |
| 31-29    | 87-106   | ネジ°           | SCREW                        | 3     |
| 31-30    | 87-483   | プラマイナベ小ねじ     | SCREW                        | 2     |
| 31-31    | 87-477   | プラマイナベ小ねじ     | SCREW                        | 3     |
| 31-32    | 87-189   | 六角穴付きボルト      | BOLT                         | 2     |
| 31-33    | 87-224   | 六角穴付きボルト      | BOLT                         | 2     |
| 31-34    | 87-254   | ネジ°           | SCREW                        | 3     |
| 31-35    | 87-291   | 六角穴付きボルト      | BOLT                         | 2     |

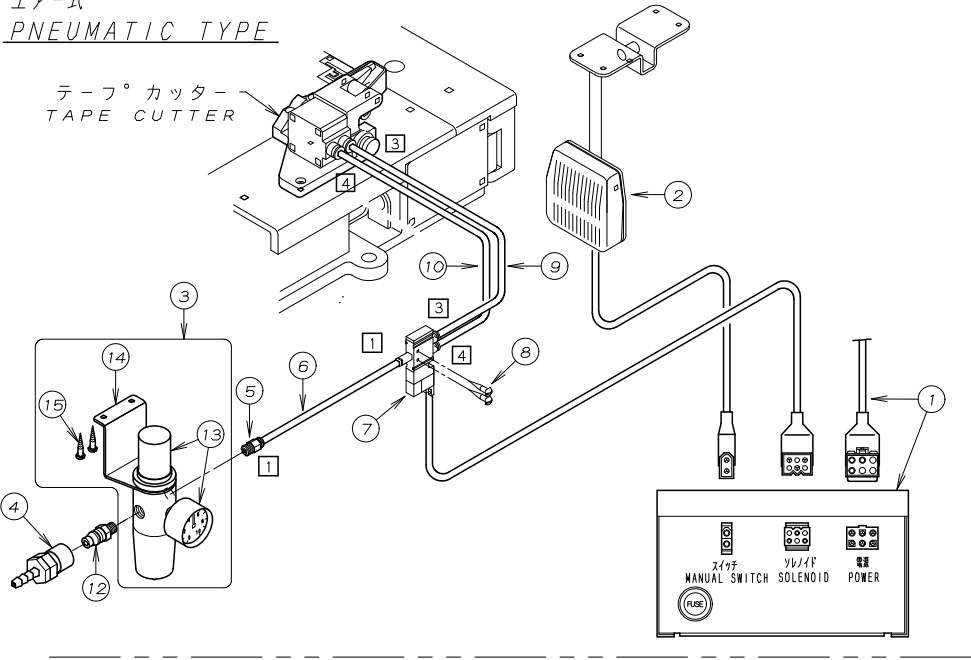
32. テーフ° カッター装置 (電気式) TAPE CUTTER MECHANISM (ELECTRIC TYPE)



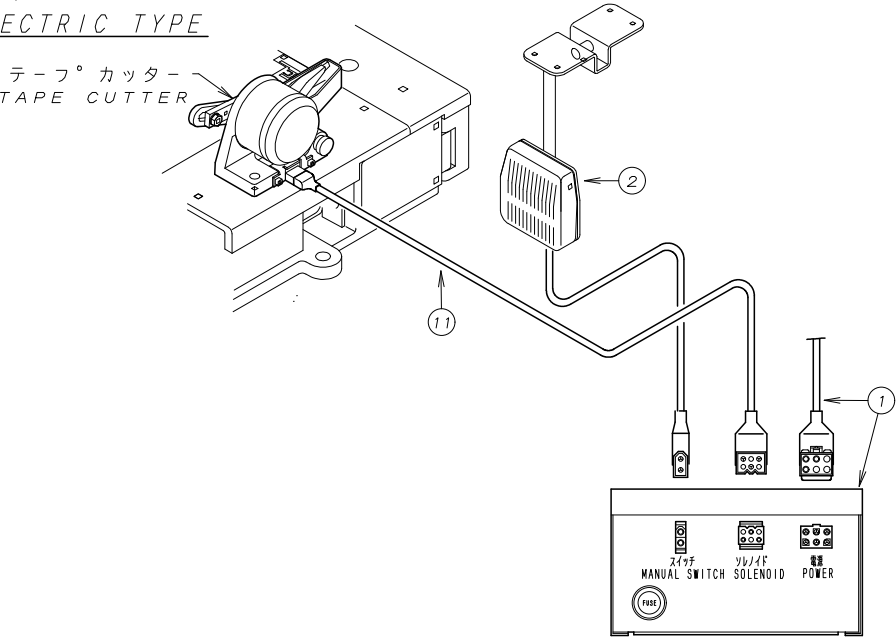
| REF. NO. | PART NO. | 品 名              | DESCRIPTION                  | Q' TY |
|----------|----------|------------------|------------------------------|-------|
| 32-01    | 08-001W  | ソレノイド* 取付フ° ラケット | BRACKET                      | 1     |
| 32-02    | 08-002   | ロータリーソレノイド*      | SOLENOID                     | 1     |
| 32-03    | 08-003   | 上メスシャフト          | SHAFT                        | 1     |
| 32-04    | 08-004   | 下メス              | LOWER KNIFE                  | 1     |
| 32-05    | 08-005   | 上メス              | UPPER KNIFE                  | 1     |
| 32-06    | 08-006W  | 上メスレハ° -         | LEVER                        | 1     |
| 32-07    | 08-008   | 駆動レハ° -          | CONNECTING LEVER             | 1     |
| 32-08    | 08-010   | 安全カハ° -          | SAFETY COVER                 | 1     |
| 32-09    | 08-011   | 布カ° イト° (大)      | FABRIC GUIDE (LARGE)         | 1     |
| 32-10    | 08-012   | 布カ° イト° (小)      | FABRIC GUIDE (SMALL)         | 1     |
| 32-11    | 08-013   | フ° ラケット          | BRACKET                      | 1     |
| 32-12    | 08-031   | テーフ° 案内板         | FABRIC GUIDE                 | 1     |
| 32-13    | 08-041   | ネジ°              | SCREW                        | 1     |
| 32-14    | 14-148   | 針板土台             | NEEDLE PLATE SUPPORT BRACKET | 1     |
| 32-15    | 88-166   | ナット              | NUT                          | 1     |
| 32-16    | 27-023W  | F用上ヘ° - スカハ° -   | CLOTH PLATE                  | 1     |
| 32-17    | 51-835   | 角コ° マ (後)        | BLOCK (REAR)                 | 1     |
| 32-18    | 52-182   | メス押シネジ°          | SCREW                        | 1     |
| 32-19    | 75-224   | ワッシャ             | WASHER                       | 3     |
| 32-20    | 75-370   | ワッシャ             | WASHER                       | 1     |
| 32-21    | 75-455   | ワッシャ             | WASHER                       | 4     |
| 32-22    | 75-527   | スフ° リンク° ワッシャ    | SPRING WASHER                | 1     |
| 32-23    | 75-552   | ワッシャ             | WASHER                       | 1     |
| 32-24    | 79-171   | 圧縮ハ° ネ           | SPRING                       | 1     |
| 32-25    | 79-309   | 引張コイルハ° ネ        | SPRING                       | 1     |
| 32-26    | 84-581   | 段ネジ°             | SCREW                        | 1     |
| 32-27    | 84-583   | ネジ°              | SCREW                        | 1     |
| 32-28    | 84-661   | ネジ°              | SCREW                        | 2     |
| 32-29    | 87-070   | 平頭付段ネジ°          | SCREW                        | 1     |
| 32-30    | 87-095   | ネジ°              | SCREW                        | 2     |
| 32-31    | 87-106   | ネジ°              | SCREW                        | 1     |
| 32-32    | 87-483   | プラマイナベ小ねじ        | SCREW                        | 4     |
| 32-33    | 87-477   | プラマイナベ小ねじ        | SCREW                        | 3     |
| 32-34    | 87-173   | 六角穴付きボルト         | BOLT                         | 1     |
| 32-35    | 87-177   | 六角穴付きボルト         | BOLT                         | 1     |
| 32-36    | 87-224   | 六角穴付きボルト         | BOLT                         | 2     |
| 32-37    | 87-254   | ネジ°              | SCREW                        | 1     |
| 32-38    | 87-291   | 六角穴付きボルト         | BOLT                         | 2     |
| 32-39    | 87-482   | プラマイナベ小ねじ        | SCREW                        | 2     |

3.3. 配管, 配線図 WIRING AND PIPING

エア式  
PNEUMATIC TYPE

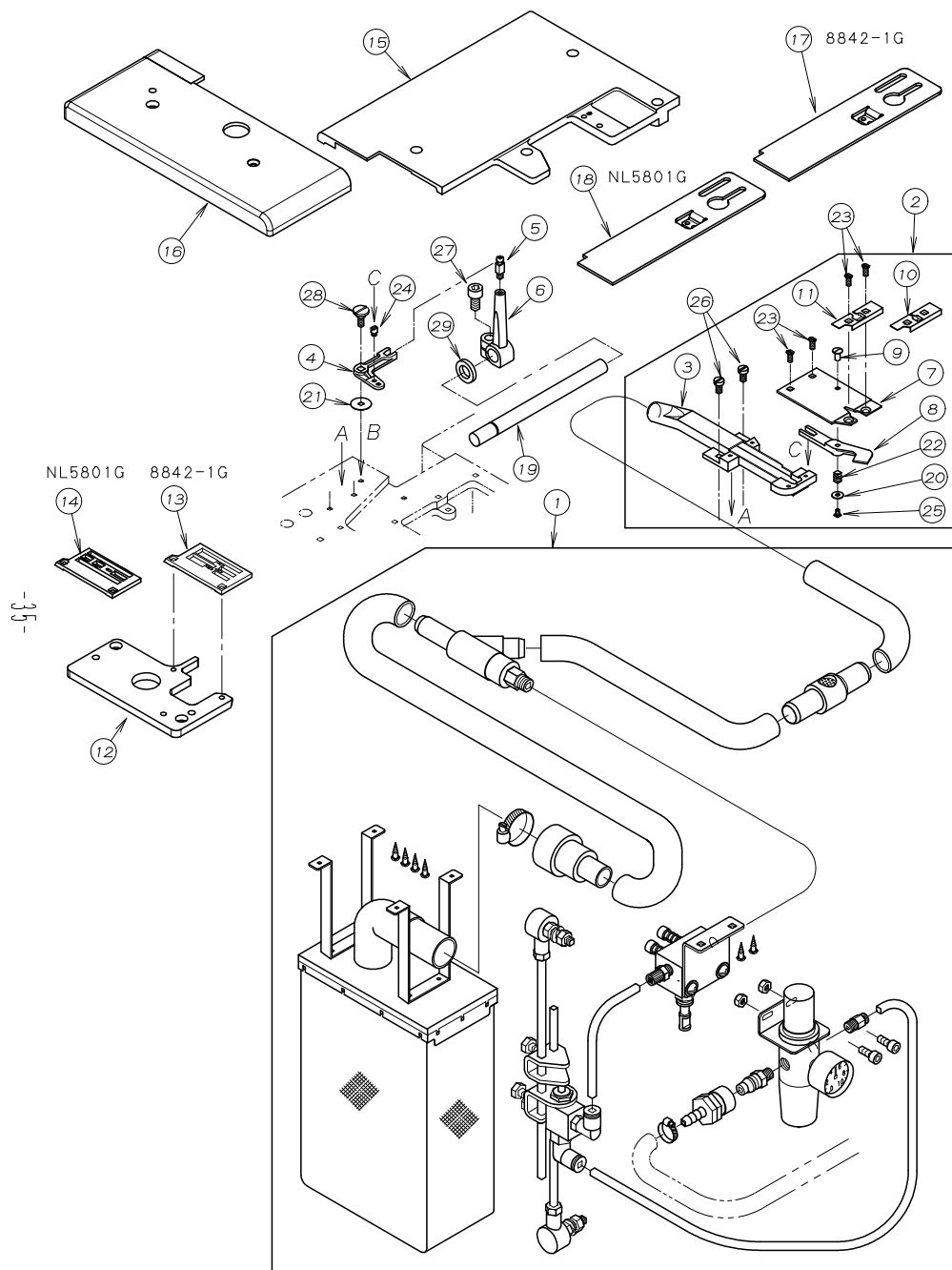


電気式  
ELECTRIC TYPE



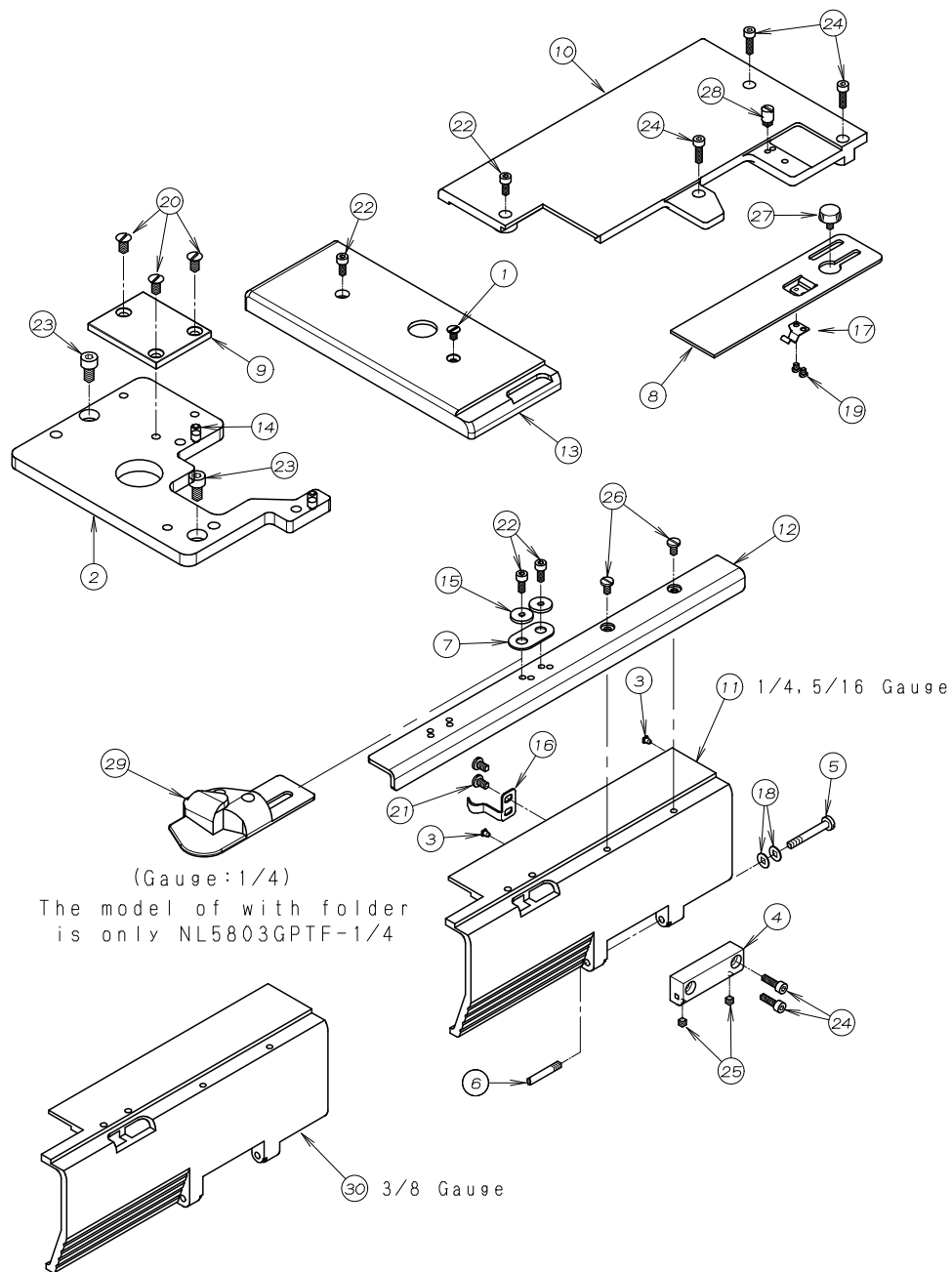
| REF. NO. | PART NO.  | 品 名           | DESCRIPTION             | Q' TY |
|----------|-----------|---------------|-------------------------|-------|
| 33-01    | 53-285    | コントロールボックス    | CONTROL BOX             | 1     |
| 33-02    | 53-286    | 膝スイッチ         | KNEE SWITCH             | 1     |
| 33-03    | 05-212    | フィルタレギュレータ    | REGULATOR               | 1     |
| 33-04    | 06-517    | カプラー          | CONNECTOR               | 1     |
| 33-05    | 05-218    | 六角穴付ハーフユニオン   | JOINT                   | 1     |
| 33-06    | 05-486    | チューブφ6×1000mm | TUBEφ6×1000mm           | 1     |
| 33-07    | 05-036    | 電磁弁セット        | SOLENOID VALVE ASSEMBLY | 1     |
| 33-08    | 87-900    | 十字穴付丸木ネジ      | SCREW                   | 2     |
| 33-09    | 05-571    | チューブφ6×1000mm | TUBEφ6×1000mm           | 1     |
| 33-10    | 05-572    | チューブφ6×1000mm | TUBEφ6×1000mm           | 1     |
| 33-11    | 53-287    | 中継コード(ソレノイド用) | RELAY CORD(SOLENOID)    | 1     |
| 33-12    | 06-516    | カプラー          | CONNECTOR               | 1     |
| 33-13    | 05-2120-A | フィルタレギュレーター   | REGULATOR               | 1     |
| 33-14    | 05-2120-B | 取り付けブラケット     | BRACKET                 | 1     |
| 33-15    | 87-905    | 木ネジ           | SCREW                   | 2     |

# 34. チェーンカッター機構 CHAIN CUTTER MECHANISM (CS-1)



| REF. NO. | PART NO. | 品 名         | DESCRIPTION                  | Q'TY |
|----------|----------|-------------|------------------------------|------|
| 34-01    | 00-8019  | 集塵装置        | VENTURI DEVICE FOR CS-1      | 1    |
| 34-02    | 00-8021  | チェーンカッターセット | CS-1 ASS'Y                   | 1    |
| 34-03    | 08-051   | 吸込み管        | SUCTION PIPE                 | 1    |
| 34-04    | 08-052   | 可動メスリンク     | LINK                         | 1    |
| 34-05    | 08-053   | ヒール玉        | JOINT                        | 1    |
| 34-06    | 08-054   | 可動メス駆動レバー   | LEVER                        | 1    |
| 34-07    | 08-055   | 固定メス        | KNIFE                        | 1    |
| 34-08    | 08-056   | 可動メス        | TRIMMING KNIFE               | 1    |
| 34-09    | 08-057   | 可動メス支点ピン    | PIN                          | 1    |
| 34-10    | 08-058   | 案内板 (小)     | CHAIN-OFF GUIDE COVER (S)    | 1    |
| 34-11    | 08-059   | 案内板 (大)     | CHAIN-OFF GUIDE COVER (L)    | 1    |
| 34-12    | 14-148   | 針板土台        | NEEDLE PLATE SUPPORT BRACKET | 1    |
| 34-13    | 14-794   | 針板          | NEEDLE PLATE                 | 1    |
| 34-14    | 14-795   | 針板          | NEEDLE PLATE                 | 1    |
| 34-15    | 27-133W  | 上ヘースカパー     | CLOTH PLATE                  | 1    |
| 34-16    | 27-359W  | サイド上ヘースカパー  | SIDE COVER                   | 1    |
| 34-17    | 27-365   | 前ベースカバー     | FRONT BASE COVER             | 1    |
| 34-18    | 27-366   | 前ベースカバー     | FRONT BASE COVER             | 1    |
| 34-19    | 71-222   | 送り土台シャフト    | SHAFT                        | 1    |
| 34-20    | 75-224   | ワッシャ        | WASHER                       | 1    |
| 34-21    | 75-343   | 平座金         | WASHER                       | 1    |
| 34-22    | 79-310   | 可動メス押しハネ    | SPRING                       | 1    |
| 34-23    | 84-192   | ネジ          | SCREW                        | 4    |
| 34-24    | 84-337   | 段ネジ         | SCREW                        | 1    |
| 34-25    | 85-613   | ネジ          | SCREW                        | 1    |
| 34-26    | 87-096   | ネジ          | SCREW                        | 2    |
| 34-27    | 87-225   | 六角穴付きボルト    | BOLT                         | 1    |
| 34-28    | 87-462   | 平頭付段ネジ      | SCREW                        | 1    |
| 34-29    | 94-222   | オイルシール      | OIL SEAL                     | 1    |

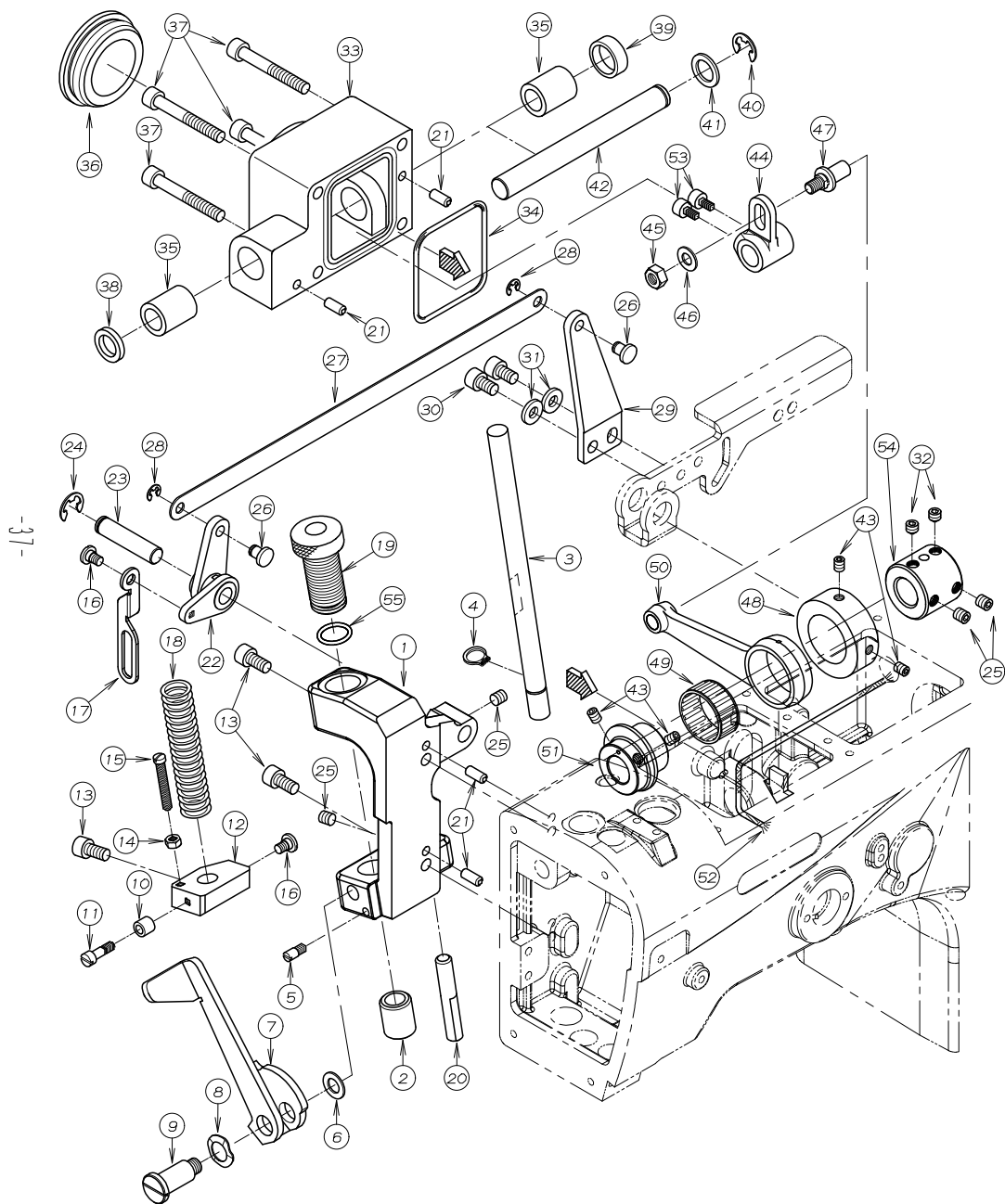
# 35. NL5803GP 専用フレーム関係 MODEL NL5803GP FRAME ASSMBLY



| REF. NO. | PART NO.  | 品 名           | DESCRIPTION          | Q' TY |
|----------|-----------|---------------|----------------------|-------|
| 35-01    | 05-074    | ネジ            | SCREW                | 1     |
| 35-02    | 14-149    | 針板土台          | NEEDLE PLATE BRACKET | 1     |
| 35-03    | 23-512    | クッションゴム       | CUSHION RUBBER       | 2     |
| 35-04    | 25-516W   | 定規台ヒンジ        | HINGE                | 1     |
| 35-05    | 25-517    | ヒンジネジ         | SCREW                | 1     |
| 35-06    | 25-527    | カハヒンジネジ       | SCREW                | 1     |
| 35-07    | 26-822    | ラッパ取付金具       | PLATE                | 1     |
| 35-08    | 27-167    | 前ベースカバー       | FRONT BASE COVER     | 1     |
| 35-09    | 27-255    | プーラー台プレート     | PLATE                | 1     |
| 35-10    | 27-256W   | 上ベースカバー       | UPPER COVER          | 1     |
| 35-11    | 27-257W   | 前カバー          | FRONT COVER          | 1     |
| 35-12    | 27-258    | ホルダー取付プレート    | PLATE                | 1     |
| 35-13    | 27-360    | サイド上ベースカバー    | SIDE CLOTH COVER     | 1     |
| 35-14    | 71-257    | ロックピン         | PIN                  | 2     |
| 35-15    | 75-508    | ワッシャ          | WASHER               | 2     |
| 35-16    | 79-530    | 前カハ止めハネ       | SPRING               | 1     |
| 35-17    | 79-804    | ハネ            | SPRING               | 1     |
| 35-18    | 79-922    | 皿ハネ           | SPRING               | 2     |
| 35-19    | 84-167    | ネジ            | SCREW                | 2     |
| 35-20    | 84-464    | ネジ            | SCREW                | 3     |
| 35-21    | 84-574    | ネジ            | SCREW                | 2     |
| 35-22    | 87-113    | 六角穴付きボルト      | BOLT                 | 4     |
| 35-23    | 87-177    | 六角穴付きボルト      | BOLT                 | 2     |
| 35-24    | 87-214    | 六角穴付きボルト      | BOLT                 | 5     |
| 35-25    | 87-274    | ネジ            | SCREW                | 2     |
| 35-26    | 87-288    | ネジ            | SCREW                | 2     |
| 35-27    | 87-292    | 調節ネジ          | SCREW                | 1     |
| 35-28    | 87-423    | 段ネジ           | SCREW                | 1     |
| 35-29    | 97-5116-4 | フォルダー - 6.4mm | FOLDER               | 1     |
| 35-30    | 27-368    | 前カバー          | FRONT COVER          | 1     |

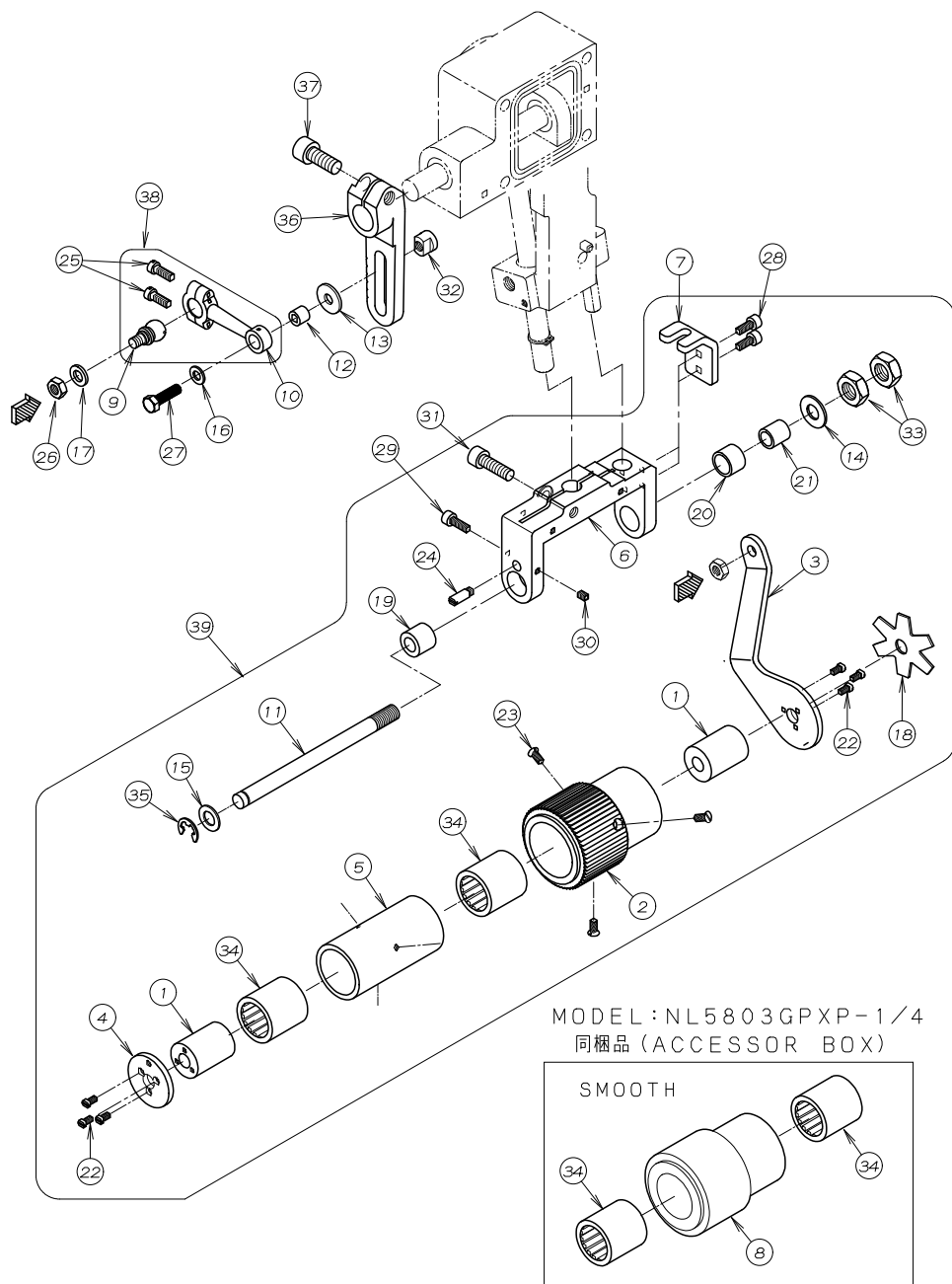
# 36. NL5803GP 後フ<sup>°</sup>ーラー機構 (1)

## REAR PULLER MECHANISM (1)



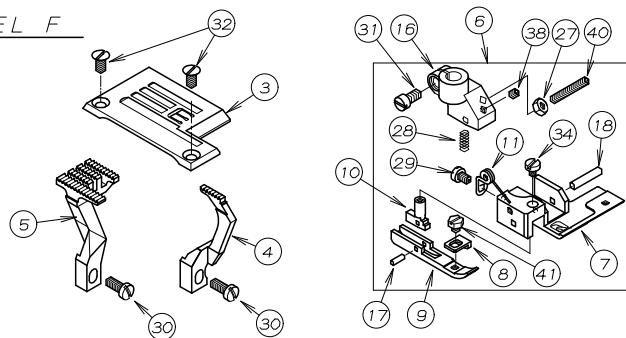
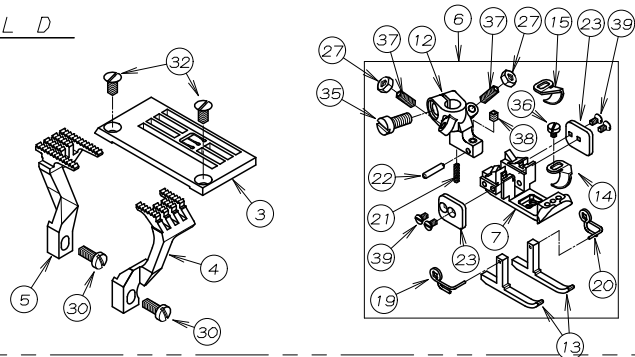
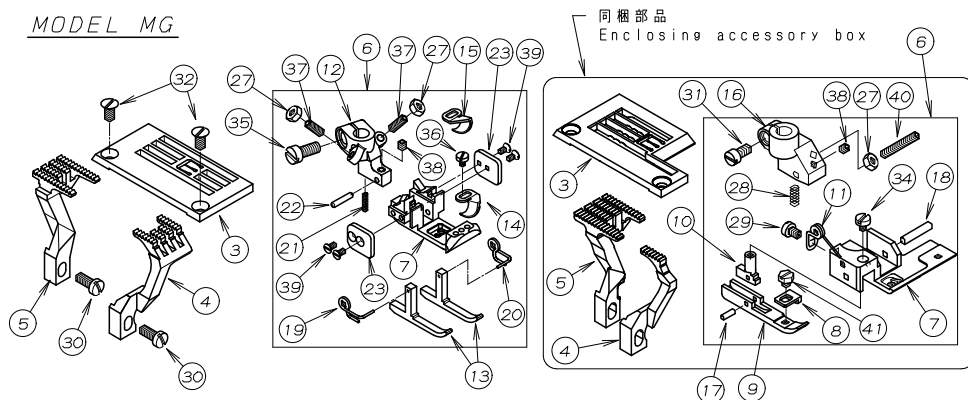
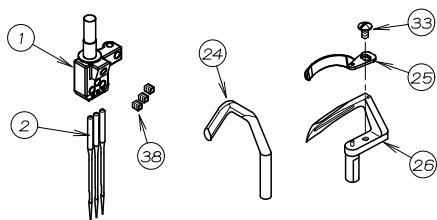
| REF. NO. | PART NO. | 品 名                         | DESCRIPTION                | Q' TY |
|----------|----------|-----------------------------|----------------------------|-------|
| 36-01    | 02-225W  | 後フ <sup>°</sup> ーラーブ ラケット   | REAR PULLER BRACKET        | 1     |
| 36-02    | 81-133   | ブ ッシュ                       | BUSHING                    | 1     |
| 36-03    | 71-464   | 後フ <sup>°</sup> ーラー立シャフト    | SHAFT                      | 1     |
| 36-04    | 93-261   | Eリング                        | E-RING                     | 1     |
| 36-05    | 84-562   | 段ネジ                         | SCREW                      | 1     |
| 36-06    | 75-519   | ワッシャ                        | WASHER                     | 1     |
| 36-07    | 02-216   | 手揚用金具                       | PULLER LIFTING LEVER       | 1     |
| 36-08    | 02-112   | 波フッシャ                       | CORRUGATED WASHER          | 1     |
| 36-09    | 85-671   | ネジ                          | SCREW                      | 1     |
| 36-10    | 75-211   | カラー                         | COLLAR                     | 1     |
| 36-11    | 84-582   | ネジ                          | SCREW                      | 1     |
| 36-12    | 02-217   | 後フ <sup>°</sup> ーラー立シャフト抱き  | BRACKET                    | 1     |
| 36-13    | 87-225   | ネジ                          | SCREW                      | 3     |
| 36-14    | 86-311   | ナット                         | NUT                        | 1     |
| 36-15    | 84-569   | ネジ                          | SCREW                      | 1     |
| 36-16    | 84-581   | ネジ                          | SCREW                      | 2     |
| 36-17    | 02-659   | 後フ <sup>°</sup> ーラー抱き連結プレート | CONNECTING PLATE           | 1     |
| 36-18    | 79-640   | バネ                          | SPRING                     | 1     |
| 36-19    | 87-759   | 筒ネジ                         | SCREW                      | 1     |
| 36-20    | 71-729   | フ <sup>°</sup> ーラー回り止メピン    | GUIDE PIN                  | 1     |
| 36-21    | 71-208   | ノックピン                       | PIN                        | 4     |
| 36-22    | 02-219   | 後フ <sup>°</sup> ーラー揚レバー     | LEVER                      | 1     |
| 36-23    | 71-726   | シャフト                        | SHAFT                      | 1     |
| 36-24    | 93-222   | Eリング                        | E-RING                     | 1     |
| 36-25    | 87-172   | ネジ                          | SCREW                      | 4     |
| 36-26    | 77-419   | 押易連結ピン                      | PIN                        | 2     |
| 36-27    | 77-037   | 押易連結板                       | PLATE                      | 1     |
| 36-28    | 93-205   | Eリング                        | E-RING                     | 2     |
| 36-29    | 77-421   | 押易レバー                       | LEVER                      | 1     |
| 36-30    | 87-203   | ネジ                          | SCREW                      | 2     |
| 36-31    | 75-458   | ワッシャ                        | WASHER                     | 2     |
| 36-32    | 87-259   | ネジ                          | SCREW                      | 2     |
| 36-33    | 02-220W  | 上フ <sup>°</sup> ーラー軸ケース     | BRACKET                    | 1     |
| 36-34    | 23-542   | Oリング                        | O-RING                     | 1     |
| 36-35    | 81-559   | 上フ <sup>°</sup> ーラー軸ブ ッシュ   | BUSHING                    | 2     |
| 36-36    | 23-541   | ゴム栓                         | PLUG                       | 1     |
| 36-37    | 87-186   | ネジ                          | SCREW                      | 4     |
| 36-38    | 94-502   | オイルシール                      | OIL SEAL                   | 1     |
| 36-39    | 94-506   | シールキャップ                     | PLUG                       | 1     |
| 36-40    | 93-223   | Eリング                        | E-RING                     | 1     |
| 36-41    | 75-187   | ワッシャ                        | WASHER                     | 1     |
| 36-42    | 71-727   | 上フ <sup>°</sup> ーラー駆動軸      | SHAFT                      | 1     |
| 36-43    | 87-254   | ネジ                          | SCREW                      | 4     |
| 36-44    | 67-528   | 上フ <sup>°</sup> ーラー振りレバー    | LEVER                      | 1     |
| 36-45    | 88-166   | ナット                         | NUT                        | 1     |
| 36-46    | 75-452   | ワッシャ                        | WASHER                     | 1     |
| 36-47    | 04-502   | 調節レバーピン                     | PIN                        | 1     |
| 36-48    | 75-272   | スラストカラー                     | COLLAR                     | 1     |
| 36-49    | 91-413   | ニードルベアリング                   | NEEDLE BEARING             | 1     |
| 36-50    | 63-535   | フ <sup>°</sup> ーラークランクロッド   | CRANK ROD                  | 1     |
| 36-51    | 61-551   | フ <sup>°</sup> ーラーエキセン      | ECCENTRIC                  | 1     |
| 36-52    | 23-556   | フェルト                        | FELT                       | 1     |
| 36-53    | 87-024   | 六角ナット                       | BOLT                       | 2     |
| 36-54    | 75-273   | 上軸ジョイント (P用)                | JOINT COLLAR (for P model) | 1     |
| 36-55    | 23-289   | Oリング                        | O-RING                     | 1     |

# 37. NL5803GP 後フ°-ラー機構 (2) REAR PULLER MECHANISM (2)



| REF. NO. | PART NO. | 品 名                   | DESCRIPTION               | Q' TY |
|----------|----------|-----------------------|---------------------------|-------|
| 37-01    | 01-115   | スリーフ                  | SLEEVE                    | 2     |
| 37-02    | 02-016   | 後プ°ラー上ギア (59山)        | REAR PULLER GEAR          | 1     |
| 37-03    | 02-017   | 後プ°ラー連結板              | CONNECTING PLATE          | 1     |
| 37-04    | 02-117   | 後フ°ラーハ°イフ°フタ          | PLATE                     | 1     |
| 37-05    | 02-123   | ワンウェイクラッチ用ハウジ°ング° (中) | CLUTCH HOUSING            | 1     |
| 37-06    | 02-158   | 後フ°ラー台                | REAR PULLER HOLDER        | 1     |
| 37-07    | 02-250   | 回り止フ°ラケット             | BRACKET                   | 1     |
| 37-08    | 02-497   | スムーズ                  | SMOOTH PULLER             | 1     |
| 37-09    | 61-810   | フ°ラー連結ロッド°玉           | CONNECTING ROD BALL       | 1     |
| 37-10    | 63-809   | プ°ラー連結ロッド             | BALL JOINT                | 1     |
| 37-11    | 71-444   | 後フ°ラー台シャフト (中)        | SHAFT                     | 1     |
| 37-12    | 75-247   | 連結メカ°ネローラー            | ROLLER                    | 1     |
| 37-13    | 75-407   | ワッシャ                  | WASHER                    | 1     |
| 37-14    | 75-451   | ワッシャ                  | WASHER                    | 1     |
| 37-15    | 75-519   | ワッシャ                  | WASHER                    | 1     |
| 37-16    | 75-520   | ワッシャ                  | WASHER                    | 1     |
| 37-17    | 75-552   | ワッシャ                  | WASHER                    | 1     |
| 37-18    | 79-551   | フ°ラー板ハ°ネ              | PULLER PLATE SPRING       | 1     |
| 37-19    | 81-321   | ブッシュ                  | BUSHING                   | 1     |
| 37-20    | 81-322   | ブッシュ                  | BUSHING                   | 1     |
| 37-21    | 81-323   | ブッシュ                  | BUSHING                   | 1     |
| 37-22    | 84-162   | ネジ°                   | SCREW                     | 6     |
| 37-23    | 84-462   | ネジ°                   | SCREW                     | 3     |
| 37-24    | 84-573   | 段ネジ°                  | SCREW                     | 1     |
| 37-25    | 84-635   | ネジ°                   | SCREW                     | 2     |
| 37-26    | 86-411   | ナット                   | NUT                       | 1     |
| 37-27    | 87-015   | ネジ°                   | SCREW                     | 1     |
| 37-28    | 87-113   | 六角穴付きボルト              | BOLT                      | 2     |
| 37-29    | 87-129   | 六角穴付きボルト              | BOLT                      | 1     |
| 37-30    | 87-181   | ネジ°                   | SCREW                     | 1     |
| 37-31    | 87-173   | 六角穴付きボルト              | BOLT                      | 1     |
| 37-32    | 88-005   | ナット                   | NUT                       | 1     |
| 37-33    | 88-179   | ナット                   | NUT                       | 2     |
| 37-34    | 91-407   | ワンウェイクラッチ             | BEARING                   | 4     |
| 37-35    | 93-221   | ストップ°リンク°             | E-RING                    | 1     |
| 37-36    | 67-529   | 上プ°ラー駆動レバ°            | LEVER                     | 1     |
| 37-37    | 87-171   | 六角穴付きボルト              | BOLT                      | 1     |
| 37-38    | 60-8090  | フ°ラー連結ロッドセット          | CONNECTING ROD ASS'Y      | 1     |
| 37-39    | 00-5284  | 59山プ°ラーセット            | 59TEETH REAR PULLER ASS'Y | 1     |

## -39-

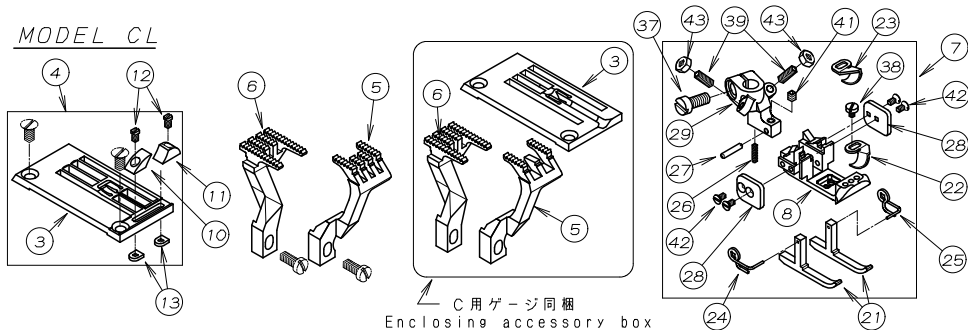


| REF. NO. | PART NO.  | 品 名                   | DESCRIPTION        | Q' TY |
|----------|-----------|-----------------------|--------------------|-------|
| 38-01    | ※         | 針株                    | NEEDLE HOLDER      | 1     |
| 38-02    | ※         | 針 (UYX128GAS #11~#14) | NEEDLE             | ※     |
| 38-03    | ※         | 針板                    | NEEDLE PLATE       | 1     |
| 38-04    | ※         | 前送歯                   | FRONT FEED DOG     | 1     |
| 38-05    | ※         | 後送歯                   | REAR FEED DOG      | 1     |
| 38-06    | ※         | 押えセット                 | PRESSER FOOT ASS'Y | 1     |
| 38-07    | ※         | 押え足                   | BOTTOM             | 1     |
| 38-08    | 17-1760-K | テープ カ゛イト゛             | TAPE GUIDE         | 1     |
| 38-09    | 17-1760-Y | 押えガイド足                | GUIDE BRACKET      | 1     |
| 38-10    | 17-1760-Z | ガイド足金具                | GUIDE PIN          | 1     |
| 38-11    | 17-7490-L | 押え足ハ゛ネ                | SPRING             | 2     |
| 38-12    | 17-9380-A | 押えホ゛ス                 | SHANK              | 1     |
| 38-13    | 17-7680-B | 補助押え足                 | GUIDE              | 2     |
| 38-14    | 17-7680-K | 生地カ゛イト゛               | GUIDE              | 1     |
| 38-15    | 17-7680-L | 生地カ゛イト゛               | GUIDE              | 1     |
| 38-16    | 17-7760-A | 押えホ゛ス                 | SHANK              | 1     |
| 38-17    | 17-7760-D | ヒ゛ン                   | PIN                | 1     |
| 38-18    | 17-7760-E | ヒ゛ン                   | PIN                | 1     |
| 38-19    | 17-8190-D | 補助押え足ハ゛ネ (左)          | SPRING (LEFT)      | 1     |
| 38-20    | 17-8190-E | 補助押え足ハ゛ネ (右)          | SPRING (RIGHT)     | 1     |
| 38-21    | 17-8190-F | ハ゛ネ                   | SPRING             | 1     |
| 38-22    | 17-8190-G | ヒ゛ン                   | PIN                | 1     |
| 38-23    | 17-8190-J | カ゛イト゛ フ゛レート           | GUIDE PLATE        | 2     |
| 38-24    | 18-811    | 針受                    | NEEDLE GUARD       | 1     |
| 38-25    | 19-116    | 補助ルーパ゛ー               | NEEDLE GUIDE       | 1     |
| 38-26    | 19-539    | ルーパ゛ー                 | LOOPER             | 1     |
| 38-27    | 88-136    | ナット                   | NUT                | 1~2   |
| 38-28    | 79-191    | ハ゛ネ                   | SPRING             | 1     |
| 38-29    | 84-161    | ネジ゛                   | SCREW              | 1     |
| 38-30    | 84-359    | ネジ゛                   | SCREW              | 2     |
| 38-31    | 84-382    | ネジ゛                   | SCREW              | 1     |
| 38-32    | 84-464    | ネジ゛                   | SCREW              | 2     |
| 38-33    | 85-613    | ネジ゛                   | SCREW              | 1     |
| 38-34    | 85-621    | ネジ゛                   | SCREW              | 1     |
| 38-35    | 87-034    | ネジ゛                   | SCREW              | 1     |
| 38-36    | 87-035    | ネジ゛                   | SCREW              | 1     |
| 38-37    | 87-071    | ネジ゛                   | SCREW              | 2     |
| 38-38    | 87-104    | ネジ゛                   | SCREW              | ※     |
| 38-39    | 87-107    | ネジ゛                   | SCREW              | 4     |
| 38-40    | 87-130    | ネジ゛                   | SCREW              | 1     |
| 38-41    | 87-397    | テープ カ゛イト゛ 取付ネジ゛       | BOLT               | 1     |

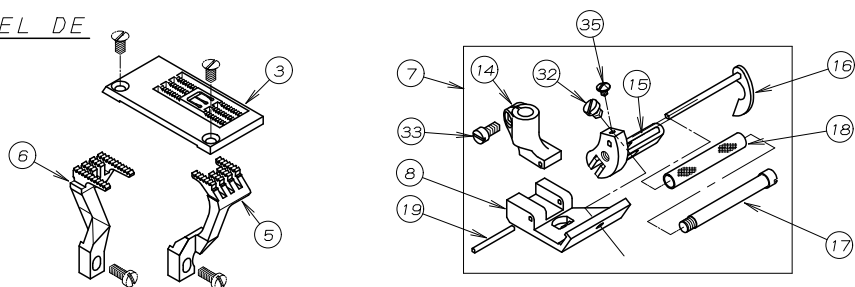
\* Please refer to Page 47, 48 GAUGE PARTS LIST

# 39. ゲージ関係 (2) GAUGE PARTS (2)

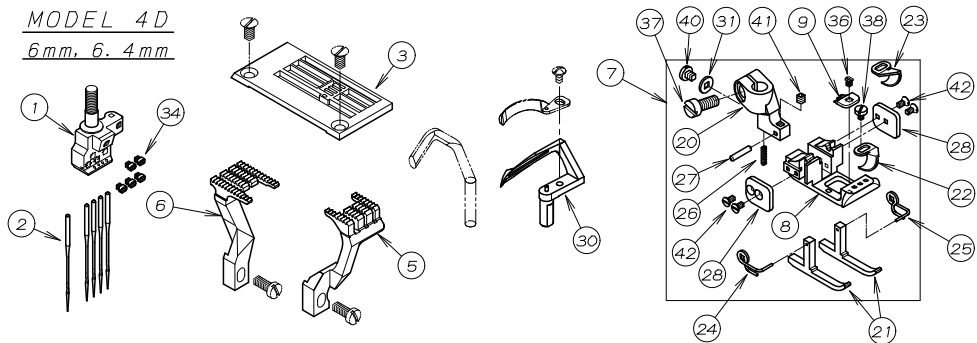
MODEL CL



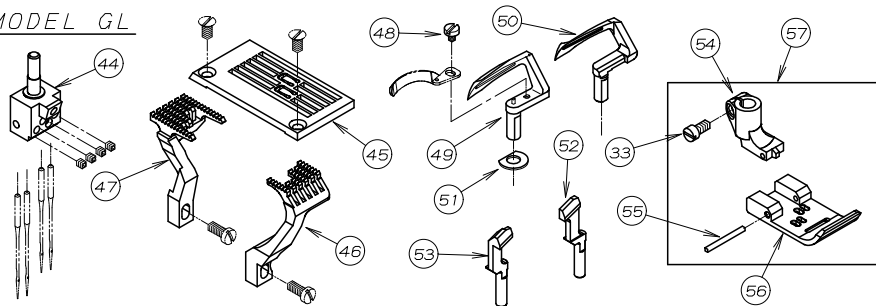
MODEL DE



MODEL 4D  
6mm, 6.4mm



MODEL GL

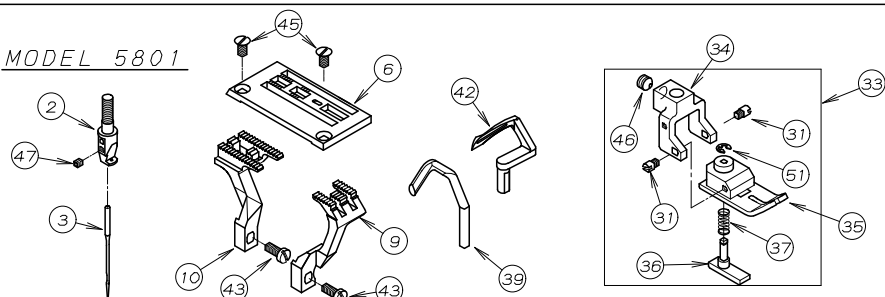


| REF. NO. | PART NO.  | 品 名              | DESCRIPTION          | Q'TY |
|----------|-----------|------------------|----------------------|------|
| 39-01    | *         | 針株               | NEEDLE HOLDER        | 1    |
| 39-02    | 13-3020-5 | 針 (SM1014H #10S) | NEEDLE               | 5    |
| 39-03    | *         | 針板               | NEEDLE PLATE         | 1    |
| 39-04    | *         | 針板セット            | NEEDLE PLATE ASS'Y   | 1    |
| 39-05    | *         | 前送歯              | FRONT FEED DOG       | 1    |
| 39-06    | *         | 後送歯              | REAR FEED DOG        | 1    |
| 39-07    | *         | 押えセット            | PRESSER FOOT ASS'Y   | 1    |
| 39-08    | *         | 押え足              | BOTTOM               | 1    |
| 39-09    | *         | 押え爪              | STITCH TONGUE        | 1    |
| 39-10    | 14-8970-A | 布カイト* (左)        | EDGE GUIDE (LEFT)    | 1    |
| 39-11    | 14-8970-B | 布カイト* (右)        | EDGE GUIDE (RIGHT)   | 1    |
| 39-12    | 14-8970-C | ネジ               | SCREW                | 2    |
| 39-13    | 14-8970-D | ナット              | NUT                  | 2    |
| 39-14    | 17-4430-A | 押えホース            | SHANK                | 1    |
| 39-15    | 17-7250-C | ローラーフ ラケット       | ROLLER BRACKET       | 1    |
| 39-16    | 17-7250-D | スライド カイト         | ELASTIC GUIDE        | 1    |
| 39-17    | 17-7250-E | ローラーセットネジ        | SCREW                | 1    |
| 39-18    | 17-7250-F | カイト ローラー         | GUIDE ROLLER         | 1    |
| 39-19    | 17-7250-G | ピン               | PIN                  | 1    |
| 39-20    | 17-7680-A | 押え足ホース           | SHANK                | 1    |
| 39-21    | 17-7680-B | 補助押え足            | GUIDE                | 2    |
| 39-22    | 17-7680-K | 生地カイト            | GUIDE                | 1    |
| 39-23    | 17-7680-L | 生地カイト            | GUIDE                | 1    |
| 39-24    | 17-8190-D | 補助押え足ハネ (左)      | SPRING (LEFT)        | 1    |
| 39-25    | 17-8190-E | 補助押え足ハネ (右)      | SPRING (RIGHT)       | 1    |
| 39-26    | 17-8190-F | ハネ               | SPRING               | 1    |
| 39-27    | 17-8190-G | ピン               | PIN                  | 1    |
| 39-28    | 17-8190-J | カイト フレート         | GUIDE PLATE          | 2    |
| 39-29    | 17-9380-A | 押え足ボス            | SHANK                | 1    |
| 39-30    | 19-599    | ルーバー             | LOOPER               | 1    |
| 39-31    | 75-228    | ワッシャ             | WASHER               | 1    |
| 39-32    | 84-364    | ネジ               | SCREW                | 1    |
| 39-33    | 84-382    | ネジ               | SCREW                | 1    |
| 39-34    | 85-603    | ネジ               | SCREW                | 5    |
| 39-35    | 85-611    | ネジ               | SCREW                | 1    |
| 39-36    | 85-616    | ネジ               | SCREW                | 1    |
| 39-37    | 87-034    | ネジ               | SCREW                | 1    |
| 39-38    | 87-035    | ネジ               | SCREW                | 1    |
| 39-39    | 87-071    | 六角穴付止めねじ         | SCREW                | 1    |
| 39-40    | 87-083    | ネジ               | SCREW                | 1    |
| 39-41    | 87-104    | ネジ               | SCREW                | 1    |
| 39-42    | 87-107    | ネジ               | SCREW                | 4    |
| 39-43    | 88-136    | ナット              | NUT                  | 1    |
| 39-44    | 12-797    | 針株               | NEEDLE HOLDER        | 1    |
| 39-45    | 14-797    | 針板               | NEEDLE PLATE         | 1    |
| 39-46    | 15-797    | 前送り歯             | FRONT FEED DOG       | 1    |
| 39-47    | 15-798    | 後送り歯             | REAR FEED DOG        | 1    |
| 39-48    | 85-621    | ネジ               | SCREW                | 1    |
| 39-49    | 19-539    | ルーバー             | LOOPER               | 1    |
| 39-50    | 19-797    | ルーバー (右)         | LOOPER (RIGHT)       | 1    |
| 39-51    | 75-558    | 座金               | WASHER               | 1    |
| 39-52    | 18-797    | 針受け右             | NEEDLE GUARD (RIGHT) | 1    |
| 39-53    | 18-798    | 針受け左             | NEEDLE GUARD (LEFT)  | 1    |
| 39-54    | 17-7830-A | 押えボス             | SHANK                | 1    |
| 39-55    | 17-5480-G | 平行ピン             | PIN                  | 1    |
| 39-56    | 17-7830-B | 押え足テープ付け用        | BOTTOM               | 1    |
| 39-57    | 17-7830-1 | 押えセット図           | PRESSER FOOT ASS'Y   | 1    |

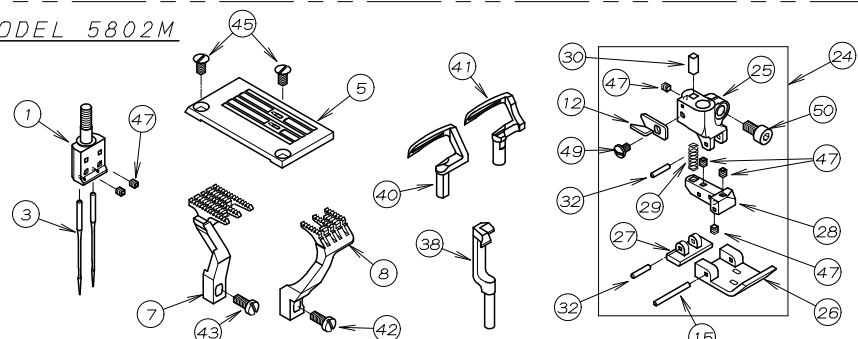
\*各ゲージ部品の品番は、47、48ページのゲージパーツ表を参照して下さい。  
\* Please refer to Page 47, 48 GAUGE PARTS LIST

## 40. ゲージ関係 (3) GAUGE PARTS (3)

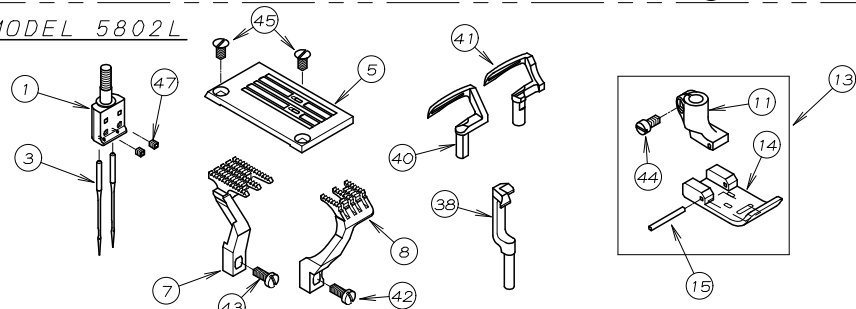
MODEL 5801



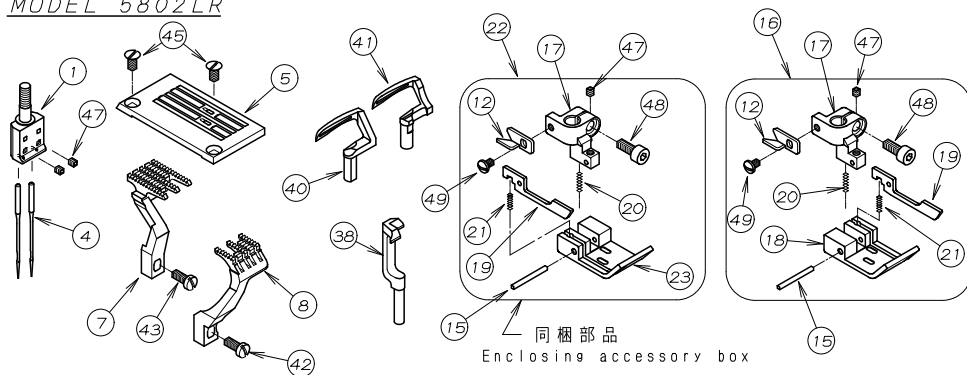
MODEL 5802M



MODEL 5802L



MODEL 5802LR



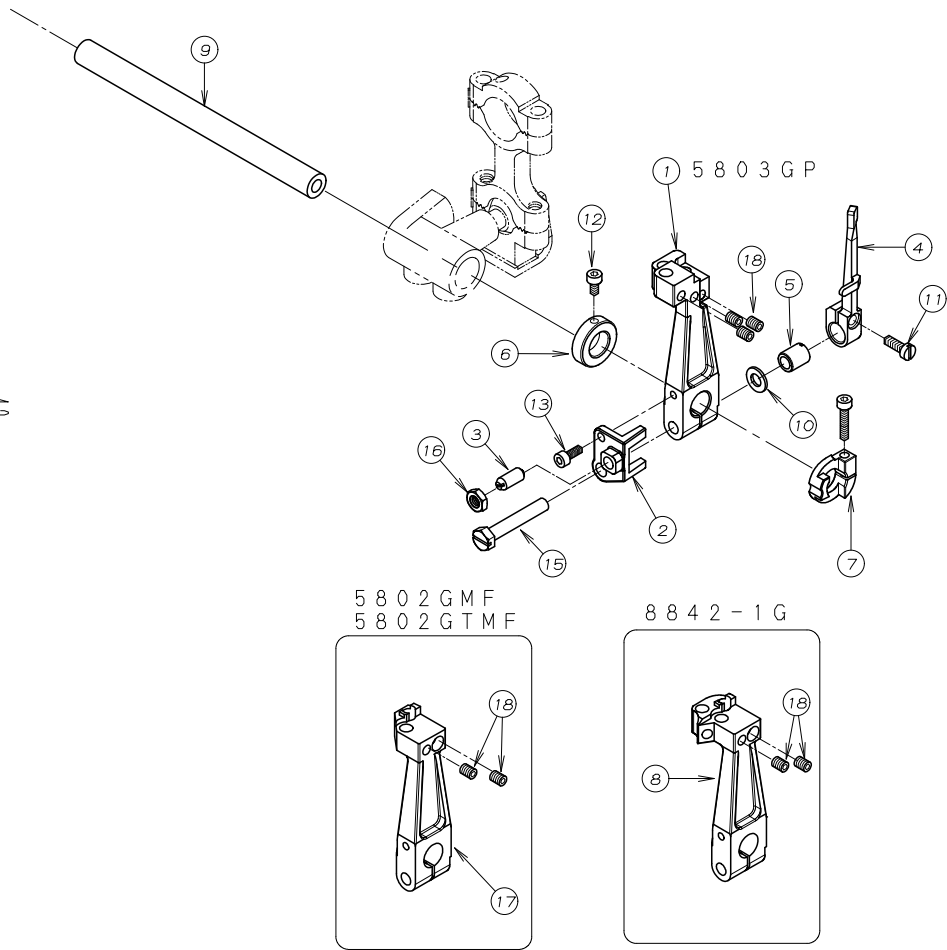
| REF. NO. | PART NO.  | 品 名               | DESCRIPTION           | Q'TY |
|----------|-----------|-------------------|-----------------------|------|
| 40-01    | 12-563    | 針株                | NEEDLE HOLDER         | 1    |
| 40-02    | 12-877    | 針株                | NEEDLE HOLDER         | 1    |
| 40-03    | 13-0110-6 | 針 (UYX128GAS #11) | NEEDLE                | 1~2  |
| 40-04    | 13-0160-6 | 針 (UYX128GAS #16) | NEEDLE                | 2    |
| 40-05    | 14-563    | 針板                | NEEDLE HOLDER         | 1    |
| 40-06    | 14-877    | 針板                | NEEDLE PLATE          | 1    |
| 40-07    | 15-535    | 後送歯               | REAR FEED DOG         | 1    |
| 40-08    | 15-536    | 前送歯               | FRONT FEED DOG        | 1    |
| 40-09    | 15-831    | 前送歯               | FRONT FEED DOG        | 1    |
| 40-10    | 15-832    | 後送歯               | REAR FEED DOG         | 1    |
| 40-11    | 17-4430-A | 押えホース             | SHANK                 | 1    |
| 40-12    | 17-5060-K | 糸切りメス             | KNIFE                 | 1    |
| 40-13    | 17-5480-1 | 押えセット             | PRESSER FOOT ASSEMBLY | 1    |
| 40-14    | 17-5480-B | 押え足テーパー 付け用 (1/4) | BOTTOM                | 1    |
| 40-15    | 17-5480-G | 平行ピン              | PIN                   | 1    |
| 40-16    | 17-5490-1 | 押えセット図 (右ガイド用)    | PRESSER FOOT ASS'Y    | 1    |
| 40-17    | 17-5490-A | 押えボス              | SHANK                 | 1    |
| 40-18    | 17-5490-B | 押え足 (右ガイド用)       | BOTTOM (RIGHT)        | 1    |
| 40-19    | 17-5490-C | ガイド足              | GUIDE                 | 1    |
| 40-20    | 17-5490-D | 押え足用バネ            | SPRING                | 1    |
| 40-21    | 17-5490-E | ガイド足用バネ           | SPRING                | 1    |
| 40-22    | 17-5500-1 | 押えセット図 (左ガイド用)    | PRESSER FOOT ASS'Y    | 1    |
| 40-23    | 17-5500-B | 押え足 (左ガイド用)       | BOTTOM (LEFT)         | 1    |
| 40-24    | 17-5630-1 | 押えセット             | PRESSER FOOT ASSEMBLY | 1    |
| 40-25    | 17-5630-A | 押えボス              | SHANK                 | 1    |
| 40-26    | 17-5630-B | 押え足 (1/4)         | BOTTOM                | 1    |
| 40-27    | 17-5630-C | 補助押え足             | BOTTOM                | 1    |
| 40-28    | 17-5630-D | 押え取付台             | BRACKET               | 1    |
| 40-29    | 17-5630-E | 圧縮バネ              | SPRING                | 1    |
| 40-30    | 17-5630-F | バネ調節ピン            | PIN                   | 1    |
| 40-31    | 17-6720-C | 押え足取付けネジ          | SCREW                 | 2    |
| 40-32    | 17-8190-G | ピン                | PIN                   | 2    |
| 40-33    | 17-8770-1 | 押えセット (LX)        | PRESSER FOOT ASSY     | 1    |
| 40-34    | 17-8770-A | 押えホース             | SHANK                 | 1    |
| 40-35    | 17-8770-B | 押え足               | BOTTOM                | 1    |
| 40-36    | 17-8770-C | 補助押え              | GUIDE BRACKET         | 1    |
| 40-37    | 17-8770-D | バネ                | SPRING                | 1    |
| 40-38    | 18-533    | 針受け後              | NEEDLE GUIDE          | 1    |
| 40-39    | 18-811    | 針受                | NEEDLE GUARD          | 1    |
| 40-40    | 19-837    | ルーパ - (中)         | LOOPER (MEDIUM)       | 1    |
| 40-41    | 19-838    | ルーパ - (右)         | LOOPER (RIGHT)        | 1    |
| 40-42    | 19-877    | ルーパ               | LOOPER                | 1    |
| 40-43    | 84-359    | ネジ                | SCREW                 | 2    |
| 40-44    | 84-382    | ネジ                | SCREW                 | 1    |
| 40-45    | 84-464    | ネジ                | SCREW                 | 2    |
| 40-46    | 84-726    | ネジ                | SCREW                 | 1    |
| 40-47    | 87-104    | ネジ                | SCREW                 | *    |
| 40-48    | 87-113    | 六角穴付きボルト          | BOLT                  | 1    |
| 40-49    | 87-166    | ネジ                | SCREW                 | 1    |
| 40-50    | 87-177    | 六角穴付きボルト          | BOLT                  | 1    |
| 40-51    | 93-195    | E形止め輪             | E-RING                | 1    |

\*各ゲージ部品の品番は、47、48ページのゲージパーツ表を参照して下さい。

\* Please refer to Page 47, 48 GAUGE PARTS LIST

41. 特殊ル-ハ°-台機構 (5803GP, 5802GMF, 5802GTMF, 8842-1G)

SPECIAL LOOPER HOLDER MECHANISM

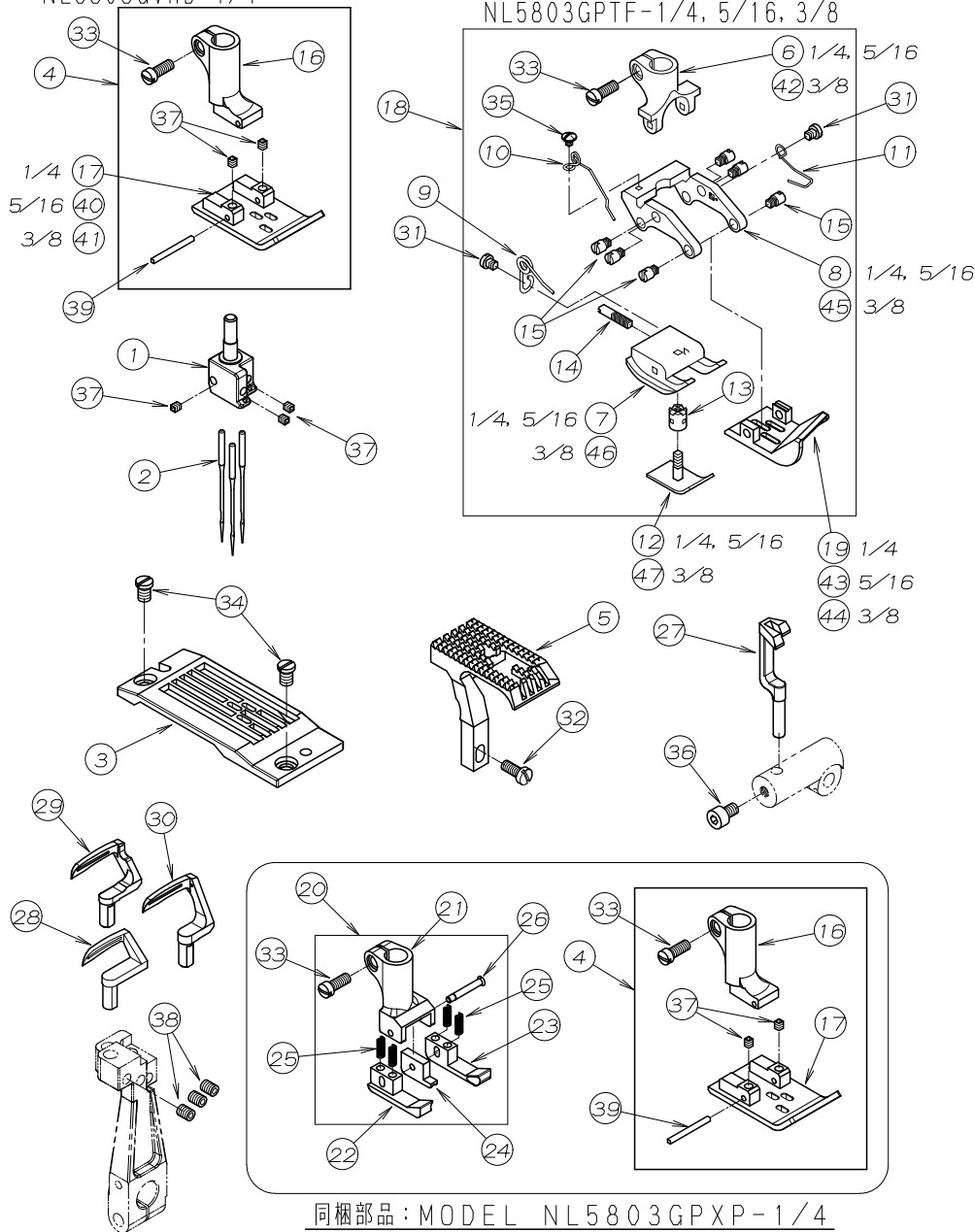


| REF. NO. | PART NO. | 品 名            | DESCRIPTION          | Q' TY |
|----------|----------|----------------|----------------------|-------|
| 41-01    | 19-573   | ル-ハ°-台         | LOOPER HOLDER        | 1     |
| 41-02    | 19-574   | ル-ハ°-台ストップ°    | BRACKET              | 1     |
| 41-03    | 19-575   | フ°ランシ°ヤ-       | PLUNGER              | 1     |
| 41-04    | 19-576   | レバ-            | LEVER                | 1     |
| 41-05    | 19-577   | ナツト            | NUT                  | 1     |
| 41-06    | 19-578   | 位置決めカラ-        | COLLAR               | 1     |
| 41-07    | 19-579   | ル-ハ°-台ストップ°カラ- | LOOPER HOLDER COLLAR | 1     |
| 41-08    | 19-839   | ル-パ-台          | LOOPER HOLDER        | 1     |
| 41-09    | 71-575   | ル-ハ°-軸         | LOOPER SHAFT         | 1     |
| 41-10    | 75-520   | ワッシャ           | WASHER               | 1     |
| 41-11    | 87-011   | ネジ             | SCREW                | 1     |
| 41-12    | 87-123   | 六角穴付きボルト       | BOLT                 | 1     |
| 41-13    | 87-124   | ネジ             | SCREW                | 1     |
| 41-14    | 87-140   | 六角穴付きボルト       | BOLT                 | 1     |
| 41-15    | 87-337   | 六角ボルト          | BOLT                 | 1     |
| 41-16    | 88-018   | 六角ナツト          | NUT                  | 1     |
| 41-17    | 19-566   | ル-ハ°-台         | LOOPER HOLDER        | 1     |
| 41-18    | 87-181   | ネジ             | SCREW                | 7     |

42. 5803GP ゲージ関係 (4) GAUGE PARTS (4)

NL5803GPHD-1/4, 5/16, 3/8  
NL5803GVHD-1/4

NL5803GPXP-1/4  
NL5803GP TF-1/4, 5/16, 3/8



同梱部品: MODEL NL5803GPXP-1/4  
Enclosing accessory box

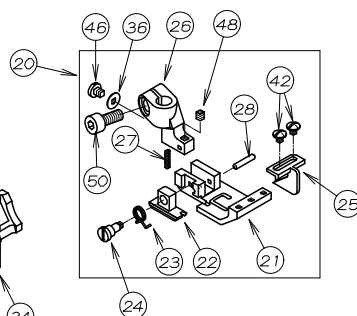
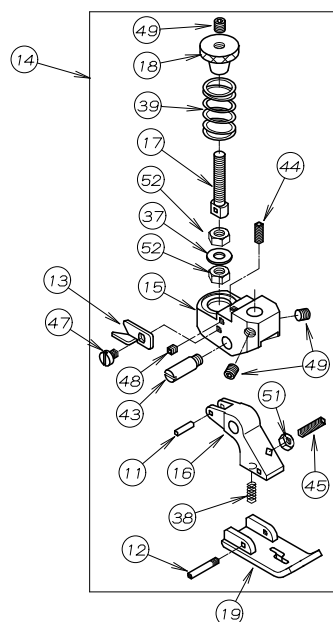
| REF. NO. | PART NO.  | 品 名               | DESCRIPTION               | Q'TY |
|----------|-----------|-------------------|---------------------------|------|
| 42-01    | *         | 針株                | NEEDLE HOLDER             | 1    |
| 42-02    | 13-1480-5 | 針 (TVX5 #18)      | NEEDLE                    | 3    |
| 42-03    | *         | 針板                | NEEDLE PLATE              | 1    |
| 42-04    | *         | 押えセット             | PRESSER FOOT ASS'Y        | 1    |
| 42-05    | *         | 送り歯 (右巻き) 標準      | FEED DOG                  | 1    |
| 42-06    | 17-5530-A | 押えボス (1/4, 5/16)  | SHANK (1/4, 5/16)         | 1    |
| 42-07    | 17-5530-B | 押え足 (後) 1/4, 5/16 | BOTTOM REAR (1/4, 5/16)   | 1    |
| 42-08    | 17-5530-C | 押え足ホルダー 1/4, 5/16 | BOTTOM HOLDER (1/4, 5/16) | 1    |
| 42-09    | 17-5530-D | 押えカ* イト* 足ハ* ネ    | SPRING                    | 1    |
| 42-10    | 17-5530-F | 押え足後ハ* ネ          | SPRING                    | 1    |
| 42-11    | 17-5530-G | 押え足ハ* ネ           | SPRING                    | 1    |
| 42-12    | 17-5530-H | 押えガイド足 1/4, 5/16  | GUIDE (1/4, 5/16)         | 1    |
| 42-13    | 17-5530-I | 押えカ* イト* 足調節ナット   | NUT                       | 1    |
| 42-14    | 17-5530-J | 押え足固定ネジ*          | SCREW                     | 1    |
| 42-15    | 17-5530-K | ネジ*               | SCREW                     | 6    |
| 42-16    | 17-5750-A | 押えボス              | SHANK                     | 1    |
| 42-17    | 17-5750-B | 押え足 (1/4)         | BOTTOM (1/4)              | 1    |
| 42-18    | *         | 押えセット (右巻)        | PRESSER FOOT ASS'Y        | 1    |
| 42-19    | 17-5690-B | 押え足前 (1/4)        | BOTTOM FRONT (1/4)        | 1    |
| 42-20    | 17-5800-1 | 押えセット             | PRESSER FOOT ASS'Y        | 1    |
| 42-21    | 17-5800-A | 押えボス              | SHANK                     | 1    |
| 42-22    | 17-5800-B | 押え足 (左)           | BOTTOM (LEFT)             | 1    |
| 42-23    | 17-5800-C | 押え足 (右)           | BOTTOM (RIGHT)            | 1    |
| 42-24    | 17-5800-D | 押え足               | BOTTOM                    | 1    |
| 42-25    | 17-5800-E | 押え足圧縮バネ           | SPRING                    | 4    |
| 42-26    | 17-5800-F | 押え足取付ネジ           | SCREW                     | 1    |
| 42-27    | *         | 針受け               | NEEDLE GUARD              | 1    |
| 42-28    | *         | ルーパ°              | LOOPER                    | 1    |
| 42-29    | *         | 中ルーパ°             | LOOPER                    | 1    |
| 42-30    | *         | ルーパ°              | LOOPER                    | 1    |
| 42-31    | 84-167    | ネジ*               | SCREW                     | 1    |
| 42-32    | 84-359    | ネジ*               | SCREW                     | 1    |
| 42-33    | 84-376    | ネジ*               | SCREW                     | 3    |
| 42-34    | 84-575    | ネジ*               | SCREW                     | 2    |
| 42-35    | 85-611    | ネジ*               | SCREW                     | 1    |
| 42-36    | 87-092    | 六角穴付きボルト          | BOLT                      | 1    |
| 42-37    | 87-104    | ネジ*               | SCREW                     | 5    |
| 42-38    | 87-181    | ネジ*               | SCREW                     | 3    |
| 42-39    | 17-5480-G | 平行ピン              | PIN                       | 1    |
| 42-40    | 17-5780-B | 押え足 (5/16)        | BOTTOM (5/16)             | 1    |
| 42-41    | 17-5770-B | 押え足 (3/8)         | BOTTOM (3/8)              | 1    |
| 42-42    | 17-5970-A | 押えボス (3/8)        | SHANK (3/8)               | 1    |
| 42-43    | 17-5430-B | 押え足前 (5/16)       | BOTTOM FRONT (5/16)       | 1    |
| 42-44    | 17-5970-B | 押え足前 (3/8)        | BOTTOM FRONT (3/8)        | 1    |
| 42-45    | 17-5970-C | 押え足ホルダー 3/8       | BOTTOM HOLDER (3/8)       | 1    |
| 42-46    | 17-5970-D | 押え足 (後) 3/8       | BOTTOM REAR (3/8)         | 1    |
| 42-47    | 17-5970-E | 押えガイド足 3/8        | GUIDE (3/8)               | 1    |

\*各ゲージ部品の品番は、47、48ページのゲージパーツ表を参照して下さい。  
\* Please refer to Page 47, 48 GAUGE PARTS LIST

## 11

This exploded view diagram illustrates the assembly of the Bosch Power Tools 2608500000. The components are labeled with circled numbers:

- 1**: Main tool housing.
- 3**: Two long screws for the handle.
- 5**: A rectangular base plate.
- 7** and **8**: Two L-shaped brackets.
- 29**: A small L-shaped bracket.
- 31** and **34**: Two trigger switches.
- 40**: Two screws for the brackets.
- 41**: Two screws for the base plate.
- 48**: Four small screws for the main housing.



\*各ゲージ部品の品番は、47、48ページのゲージパーツ表を参照して下さい。  
\* Please refer to Page 47, 48 GAUGE PARTS LIST

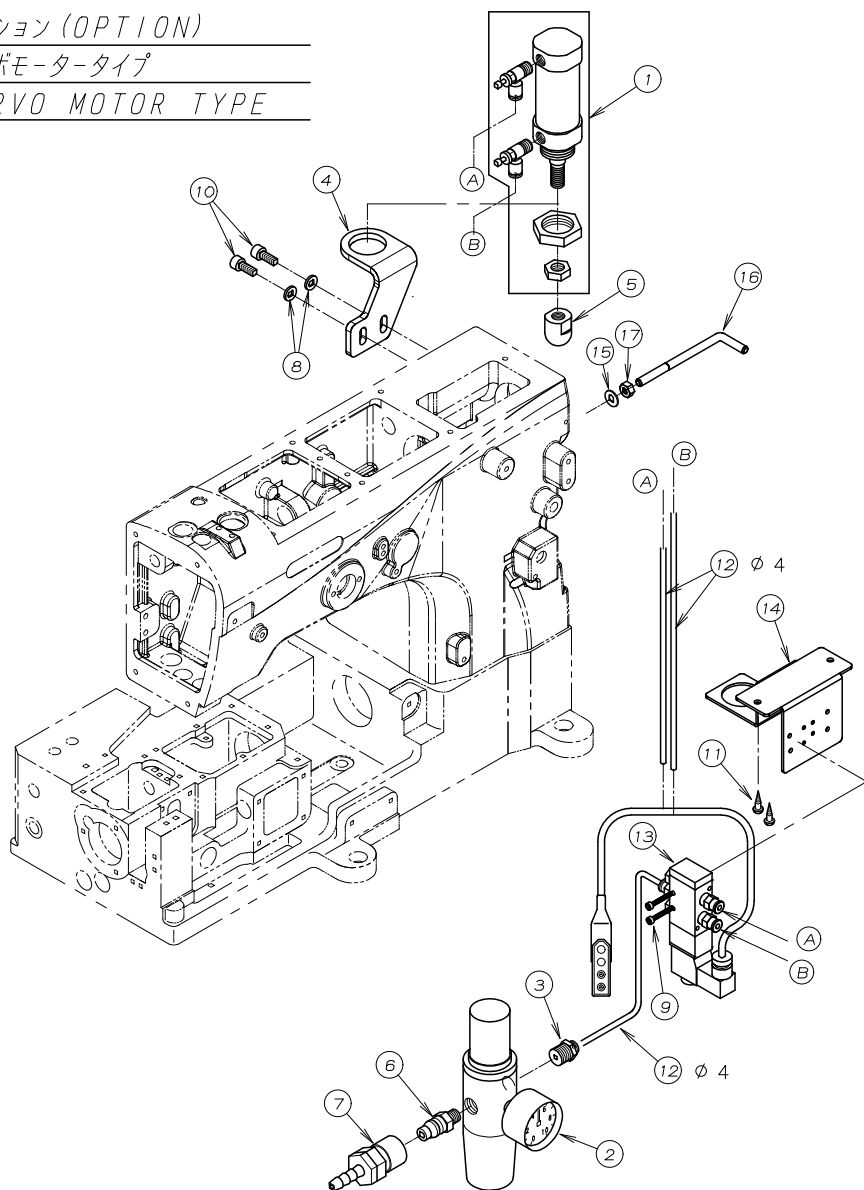
# 44. 押え揚げ装置 (エア-式) FL-8

## FOOT LIFTER MECHANISM (PNEUMATIC TYPE) FL-8

オプション (OPTION)

サーボモータータイプ

SERVO MOTOR TYPE



| REF. NO. | PART NO.  | 品 名            | DESCRIPTION          | Q' TY |
|----------|-----------|----------------|----------------------|-------|
| 44-01    | 00-6082   | 押え揚げシリンダーセット   | AIR CYLINDER ASS'Y   | 1     |
| 44-02    | 05-2120-A | フィルタレギュレータ     | REGULATOR            | 1     |
| 44-03    | 05-217    | レギュレータ-用継手     | JOINT                | 1     |
| 44-04    | 77-032    | 押え揚げシリンダーブラケット | BRACKET              | 1     |
| 44-05    | 05-897    | シリンダー作動チップ     | CHIP                 | 1     |
| 44-06    | 06-516    | カプラメス          | CONNECTOR            | 1     |
| 44-07    | 06-517    | カプラオス          | CONNECTOR            | 1     |
| 44-08    | 75-552    | ワッシャ           | WASHER               | 2     |
| 44-09    | 87-438    | 六角穴付ボルト        | SCREW                | 2     |
| 44-10    | 87-171    | 六角穴付ボルト        | SCREW                | 2     |
| 44-11    | 87-902    | 木ネジ            | SCREW                | 2     |
| 44-12    | 05-979    | チューブφ4x700mm   | TUBE (φ4x700L)       | 3     |
| 44-13    | 05-982    | 電磁弁セット         | SOLENOID VALVE ASS'Y | 1     |
| 44-14    | 05-644    | 電磁弁取付板         | BRACKET              | 1     |
| 44-15    | 75-452    | ワッシャ           | WASHER               | 1     |
| 44-16    | 05-292    | ポジションナバー       | BAR                  | 1     |
| 44-17    | 88-166    | ナット            | NUT                  | 1     |

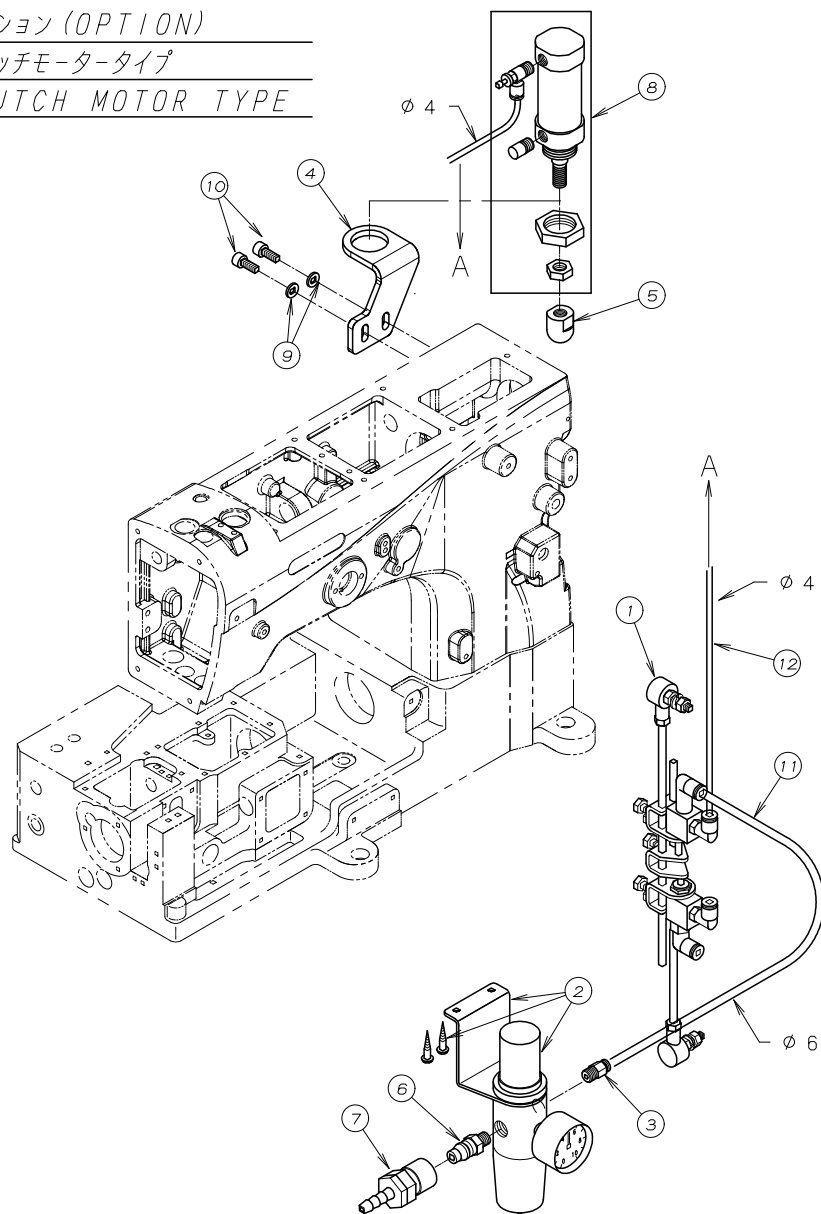
## 45. 押え揚げ装置 (エア式) FL-9

### FOOT LIFTER MECHANISM (PNEUMATIC TYPE) FL-9

オプション (OPTION)

クラッチモータータイプ

CLUTCH MOTOR TYPE



| REF. NO. | PART NO. | 品 名            | DESCRIPTION              | Q' TY |
|----------|----------|----------------|--------------------------|-------|
| 45-01    | 00-8040  | 吸込み押え揚げ用バルブセット | TREADLE AIR SWITCH ASS'Y | 1     |
| 45-02    | 05-212   | フィルタレギュレータ     | REGULATOR                | 1     |
| 45-03    | 05-218   | レギュレータ用継手      | JOINT                    | 1     |
| 45-04    | 77-032   | 押え揚げシリンダーブラケット | BRACKET                  | 1     |
| 45-05    | 05-897   | シリンダー作動チップ     | CHIP                     | 1     |
| 45-06    | 06-516   | カプラメス          | CONNECTOR                | 1     |
| 45-07    | 06-517   | カプラオス          | CONNECTOR                | 1     |
| 45-08    | 00-6130  | 押え揚げシリンダーセット   | AIR CYLINDER ASS'Y       | 1     |
| 45-09    | 75-552   | ワッシャ           | WASHER                   | 2     |
| 45-10    | 87-171   | 六角穴付ボルト        | SCREW                    | 2     |
| 45-11    | 05-486   | チューブφ6×1000mm  | TUBE (φ6×1000mm)         | 1     |
| 45-12    | 05-932   | チューブφ4×1500mm  | TUBE (φ4×1500mm)         | 1     |

# 46. ゲージパーツ表 (1) GAUGE PARTS LIST (1)

| 機種<br>MODEL | タイプ<br>TYPE | 針数<br>NEEDLE | ゲージ<br>GAUGE          | 針株<br>NEEDLE<br>HOLDER | 押え組<br>PRESSER<br>FOOT ASS'Y | 後送り歯<br>FEED<br>DOG<br>(REAR) | 前送り歯<br>FEED<br>DOG<br>(FRONT) | 針板<br>NEEDLE<br>PLATE<br>Standard | ルーパー<br>LOOPER   | 上飾り<br>ルーパー<br>SPREADER                      | 針受 (後)<br>NEEDLE<br>GUARD<br>(REAR) | 針ガイド (前)<br>NEEDLE<br>GUARD<br>(FRONT) |
|-------------|-------------|--------------|-----------------------|------------------------|------------------------------|-------------------------------|--------------------------------|-----------------------------------|------------------|----------------------------------------------|-------------------------------------|----------------------------------------|
| NW          | GMG         |              | 7/32                  | 12-0260-1              | 17-9380-1                    | 15-875                        | 15-870                         | 14-871                            | 19-539           | 19-751<br>(None<br>UT)<br><br>19-505<br>(UT) | 18-811                              | 19-116                                 |
|             |             |              |                       | ★17-1920-1             | ★15-015                      | ★15-016                       | ★14-192                        |                                   |                  |                                              |                                     |                                        |
|             |             |              | 1/4                   | 12-0270-1              | 17-9390-1                    | 15-875                        | 15-870                         | 14-880                            |                  |                                              |                                     |                                        |
|             | GD          |              |                       | ★17-1930-1             | ★15-015                      | ★15-016                       | ★14-193                        |                                   |                  |                                              |                                     |                                        |
|             |             |              | 7/32                  | 12-0260-1              | 17-9380-1                    | 15-875                        | 15-870                         | 14-871                            |                  |                                              |                                     |                                        |
|             |             |              | 1/4                   | 12-0270-1              | 17-9390-1                    | 15-875                        | 15-870                         | 14-880                            |                  |                                              |                                     |                                        |
|             | GF          |              | 7/32                  | 12-0260-1              | 17-1920-1                    |                               |                                | 14-192                            |                  |                                              |                                     |                                        |
|             |             |              |                       |                        |                              | 15-015                        | 15-016                         | 14-193                            |                  |                                              |                                     |                                        |
|             |             |              | 1/4                   | 12-0270-1              | 17-1930-1                    |                               |                                |                                   |                  |                                              |                                     |                                        |
|             | GCL         |              | 7/32                  | 12-0260-1              | 17-9380-1                    | 15-875                        | 15-870                         | 14-8780-1                         |                  |                                              |                                     |                                        |
|             |             |              |                       |                        |                              | ★15-844                       | ★15-823                        | ★14-846                           |                  |                                              |                                     |                                        |
|             |             |              | 1/4                   | 12-0270-1              | 17-9390-1                    | 15-875                        | 15-870                         | 14-8790-1                         |                  |                                              |                                     |                                        |
| 4GD         |             | 4            | 6mm                   | 12-8480-1              | 17-7120-1                    | 15-889                        | 15-888                         | 14-707                            |                  |                                              |                                     |                                        |
|             |             |              |                       |                        |                              |                               | 14-705                         |                                   |                  |                                              |                                     |                                        |
|             |             |              | 6.4mm                 | 12-8490-1              | 17-8430-1                    | 15-889                        | 15-888                         | 14-705                            |                  |                                              |                                     |                                        |
| GDE         |             | 3            | 7/32                  | 12-0260-1              | 17-8850-1                    | 15-843                        | 15-805                         | 14-894                            | 19-539           |                                              |                                     |                                        |
|             |             |              |                       |                        |                              | 15-844                        | 15-807                         | 14-895                            |                  |                                              |                                     |                                        |
|             |             |              | 1/4                   | 12-0270-1              | 17-8950-1                    |                               |                                |                                   |                  |                                              |                                     |                                        |
| NW8842-1G   |             | 3            | 2.4 x<br>6.4mm        | 12-8350-1              | 17-7810-1                    | 15-837                        | 15-836                         | 14-835<br>☆14-794                 | 19-836           | 19-495                                       | 18-835                              | <div></div>                            |
|             |             |              |                       |                        |                              |                               |                                | ☆14-794                           | 19-837           |                                              |                                     |                                        |
|             |             |              |                       |                        |                              |                               |                                |                                   | 19-838           |                                              |                                     |                                        |
| NW8724GL    |             | 4            | 3.2 X<br>3.2 X<br>3.2 | 12-7970-1              | 17-7830-1                    | 15-798                        | 15-797                         | 14-797                            | 19-539<br>19-797 | <div></div>                                  | 18-797<br>18-798                    | 19-116                                 |
|             |             |              |                       |                        |                              |                               |                                |                                   |                  |                                              |                                     |                                        |
|             |             |              |                       |                        |                              |                               |                                |                                   |                  |                                              |                                     |                                        |

※★同梱部品です。 ★ Enclosing accessory box  
 ※☆CS-1 (空環切り) 用の針板です。 ☆ NEEDLE PLATE CS-1

# 47. ゲージパーツ表(2) GAUGE PARTS LIST(2)

| 機種<br>MODEL | タイプ<br>TYPE | 針数<br>NEEDLE | ゲージ<br>GAUGE | 針株<br>NEEDLE<br>HOLDER | 押え組<br>PRESSER<br>FOOT ASS'Y | 後送り歯<br>FEED<br>DOG<br>(REAR) | 前送り歯<br>FEED<br>DOG<br>(FRONT) | 針板<br>NEEDLE<br>PLATE<br>Standard | ルーパー<br>LOOPER   | 上飾り<br>ルーパー<br>SPREADER | 針受 (後)<br>NEEDLE<br>GUARD<br>(REAR) | 針ガイド (前)<br>NEEDLE<br>GUARD<br>(FRONT) |
|-------------|-------------|--------------|--------------|------------------------|------------------------------|-------------------------------|--------------------------------|-----------------------------------|------------------|-------------------------|-------------------------------------|----------------------------------------|
| NL5801G     |             | 1            |              | 12-8770-1              | 17-8770-1                    | 15-832                        | 15-831                         | 14-877<br>☆14-795                 | 19-877           |                         | 18-811                              |                                        |
|             | M           | 2            | 6.4mm        | 12-5630-1              | 17-5630-1                    | 15-535                        | 15-536                         | 14-563                            | 19-837<br>19-838 |                         | 18-533                              |                                        |
|             | L           |              |              |                        | 17-5480-1                    |                               |                                |                                   |                  |                         |                                     |                                        |
|             | LR          |              |              |                        | 17-5490-1                    |                               |                                |                                   |                  |                         |                                     |                                        |
|             | MF          |              |              |                        | ★17-5500-1                   |                               |                                |                                   |                  |                         |                                     |                                        |
|             | TMF         |              |              |                        | 17-5610-1                    |                               |                                |                                   |                  |                         |                                     |                                        |
| NL5802G     |             | 3            | 1/64         | 12-5620-1              | 17-5620-1                    | 15-565                        | 15-566                         | 14-562                            | 19-562<br>19-838 |                         | 18-562                              |                                        |
|             | PXP         |              | 1/4          | 12-5690-1              | 右巻き<br>RIGHT ROLL            | 右巻き<br>RIGHT ROLL             | 15-569                         | 19-531                            | 18-569           |                         |                                     |                                        |
|             |             |              |              |                        | 17-5690-1                    | 15-568                        |                                | 19-569                            |                  |                         |                                     |                                        |
|             |             |              |              |                        | ★17-5750-1                   |                               |                                |                                   |                  |                         |                                     |                                        |
|             |             |              |              |                        | ★17-5800-1                   |                               |                                |                                   |                  |                         |                                     |                                        |
|             | PHD<br>VHD  |              | 1/4          | 12-5690-1              | 17-5750-1                    | 右巻き<br>RIGHT ROLL             | 14-569                         | 19-531                            | 18-569           |                         |                                     |                                        |
|             |             |              | 5/16         | 12-5430-1              | 17-5780-1                    | 右巻き<br>RIGHT ROLL             | 14-543                         | 19-584<br>19-568                  | 18-569           |                         |                                     |                                        |
|             |             |              | 3/8          | 12-5970-1              | 17-5770-1                    | 右巻き<br>RIGHT ROLL             | 14-597                         | 19-595<br>19-596                  | 18-597           |                         |                                     |                                        |
|             |             |              | 1/4          | 12-5690-1              | 右巻き<br>RIGHT ROLL            | 14-569                        | 19-531<br>19-568               | 18-569                            |                  |                         |                                     |                                        |
|             |             |              | 5/16         | 12-5430-1              | 右巻き<br>RIGHT ROLL            | 14-543                        | 19-584<br>19-568               | 18-569                            |                  |                         |                                     |                                        |
|             |             |              | 3/8          | 12-5970-1              | 右巻き<br>RIGHT ROLL            | 14-597                        | 19-595<br>19-596               | 18-597                            |                  |                         |                                     |                                        |
|             |             |              | PTF          |                        |                              |                               |                                |                                   |                  |                         |                                     |                                        |

※★同梱部品です。 ★ Enclosing accessory box

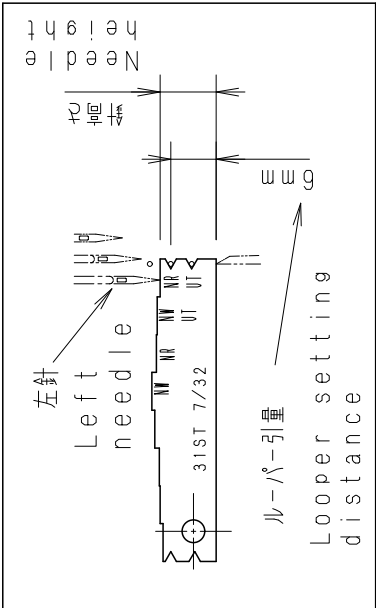
※☆CS-1 (空環切り) 用の針板です。 ☆ NEEDLE PLATE CS-1

48. 特注針板パーツ表      EXTRA NEEDLE PLATE PARTS LIST

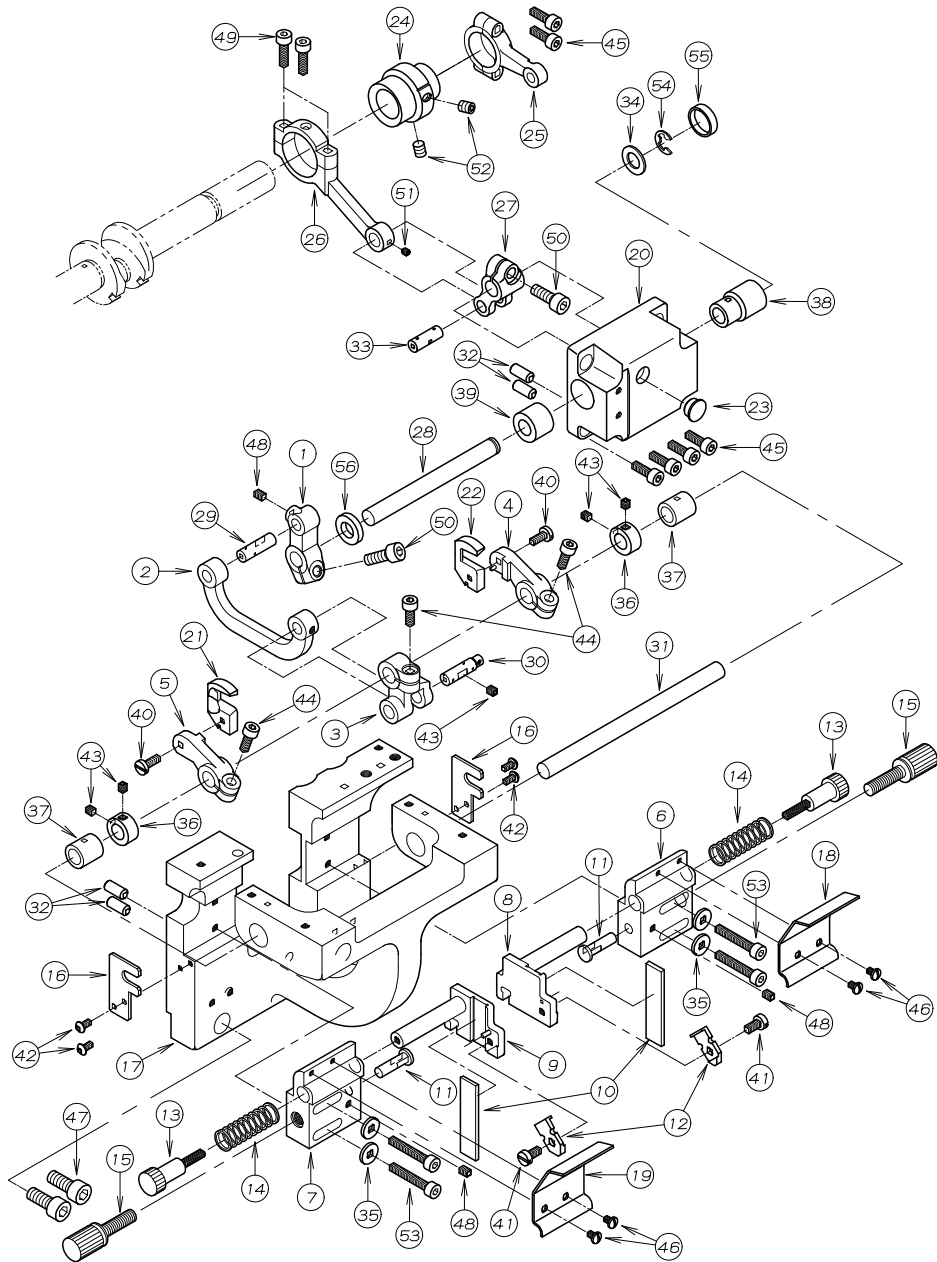
| 機種<br>MODEL | タイプ<br>TYPE | 針数<br>NEEDLE | ゲージ<br>GAUGE | 標準                    | ロングステッチ<br>For<br>long stitch | ショートステッチ<br>For<br>short stitch | かまぼこ防止用Uタイプ<br>For soft<br>stitch formation |
|-------------|-------------|--------------|--------------|-----------------------|-------------------------------|---------------------------------|---------------------------------------------|
|             |             |              |              | 針板<br>NEEDLE<br>PLATE | 針板<br>NEEDLE<br>PLATE         | 針板<br>NEEDLE<br>PLATE           | 針板<br>NEEDLE<br>PLATE                       |
| NW          | GMG<br>GD   | 3            | 7/32         | 14-871                | 14-871L                       | 14-871S                         | 14-871U                                     |
|             |             |              | 1/4          | 14-880                | 14-880L                       | 14-880S                         | 14-880U                                     |

特注パーツ      EXTRA PARTS

| 針棒ストローク<br>STROKE | ゲージ<br>GAUGE | 針高さ、ルーパーゲージ<br>NEEDLE & LOOPER<br>SETTING GAUGE |         |
|-------------------|--------------|-------------------------------------------------|---------|
|                   |              | 7/32                                            | 16-8221 |
| 31mm              | 1/4          |                                                 |         |
|                   | 7/32         |                                                 |         |
| 33mm              | 1/4          | 16-8222                                         |         |
|                   | 7/32         |                                                 |         |

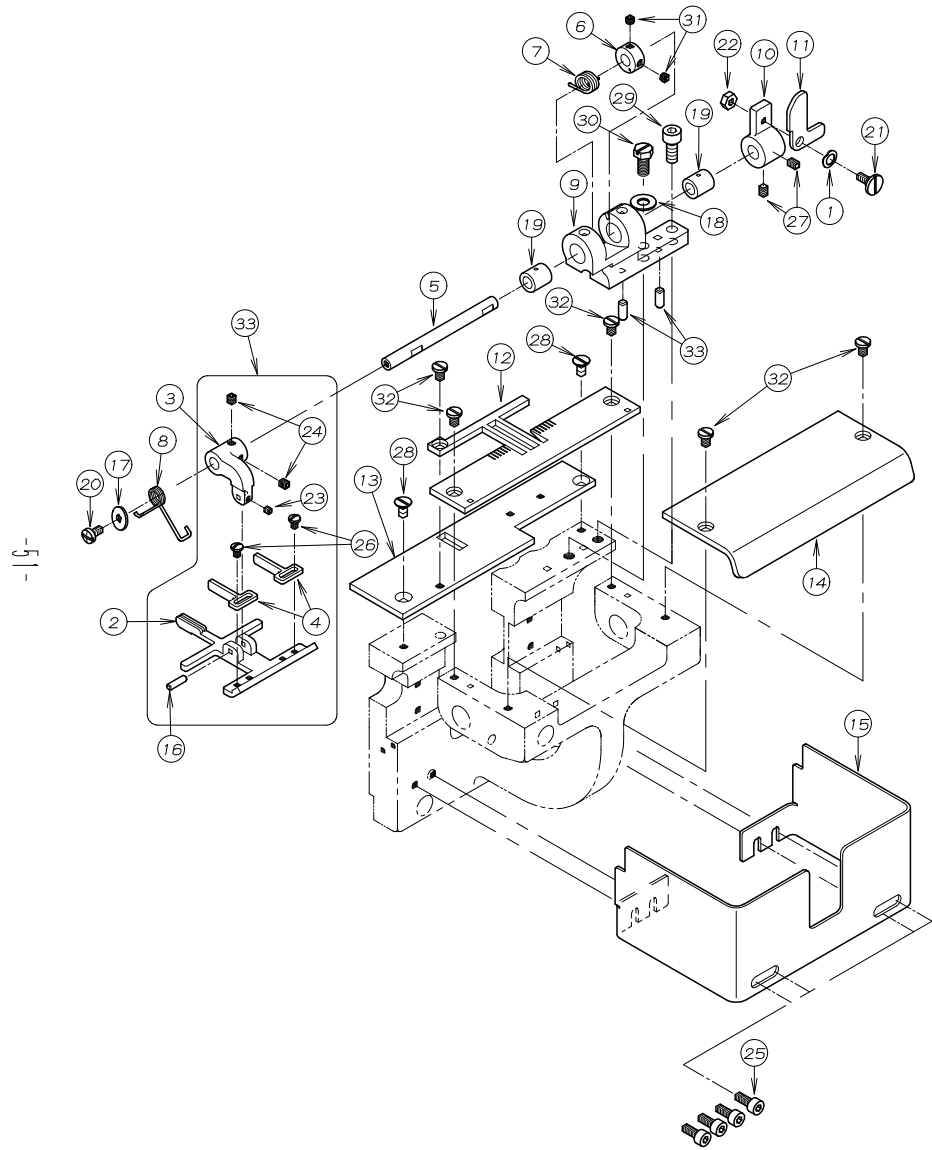


# 49. NW2202GC用専用部品 (1) MODEL NW2202GC EXCLUSIVE PARTS (1)



| REF. NO. | PART NO. | 品 名              | DESCRIPTION                   | Q'TY |
|----------|----------|------------------|-------------------------------|------|
| 49-01    | 07-423   | 上メスシャフトレバー       | LEVER                         | 1    |
| 49-02    | 07-424   | 連結リンク            | LINK BAR                      | 1    |
| 49-03    | 07-425   | 上メス連結レバー         | LEVER                         | 1    |
| 49-04    | 07-426   | ウメスフ ラケット (右)    | BRACKET                       | 1    |
| 49-05    | 07-427   | 上メスフ ラケット (左)    | BRACKET                       | 1    |
| 49-06    | 07-428   | 固定メスフ ラケット土台 (右) | LOWER KNIFE MOUNT BRACKET (R) | 1    |
| 49-07    | 07-429   | 固定メスフ ラケット土台 (左) | LOWER KNIFE MOUNT BRACKET (L) | 1    |
| 49-08    | 07-430   | 固定メスフ ラケット (右)   | LOWER KNIFE BRACKET (R)       | 1    |
| 49-09    | 07-431   | 固定メスフ ラケット (L)   | LOWER KNIFE BRACKET (L)       | 1    |
| 49-10    | 07-432   | 固定メス             | LOWER KNIFE                   | 2    |
| 49-11    | 07-433   | 固定メス回止め          | PIN                           | 2    |
| 49-12    | 07-434   | 固定金具             | LOWER KNIFE CLAMP             | 2    |
| 49-13    | 07-435   | 固定メスハネ ねじネジ      | ADJUSTING SCREW               | 2    |
| 49-14    | 07-436   | 固定メスハネ           | SPRING                        | 2    |
| 49-15    | 07-437   | 位置決めねじ           | SCREW                         | 2    |
| 49-16    | 07-438   | 固定メス位置決め金具       | LOCKING PLATE                 | 2    |
| 49-17    | 07-439   | メス土台             | BASE BRACKET                  | 1    |
| 49-18    | 07-440   | カバー 右            | COVER (R)                     | 1    |
| 49-19    | 07-441   | カバー 左            | COVER (L)                     | 1    |
| 49-20    | 07-501   | 上メスシャフトフ ラケット    | BRACKET                       | 1    |
| 49-21    | 07-702   | 上メス (左)          | UPPER KNIFE (L)               | 1    |
| 49-22    | 07-703   | 上メス (右)          | UPPER KNIFE (R)               | 1    |
| 49-23    | 23-533   | コ ム栓             | PLUG                          | 1    |
| 49-24    | 61-525   | 上メスエキセン          | UPPER KNIFE ECCENTRIC         | 1    |
| 49-25    | 63-508   | 針受ロット            | CONNECTING ROD                | 1    |
| 49-26    | 63-832   | 上メスロット           | CONNECTING ROD                | 1    |
| 49-27    | 67-517   | 上メスシャフトレバー (右)   | LEVER (RIGHT)                 | 1    |
| 49-28    | 71-096   | 上メスシャフト          | SHAFT                         | 1    |
| 49-29    | 71-097   | リンクピン            | LINK PIN                      | 1    |
| 49-30    | 71-098   | リンクピン            | LINK PIN                      | 1    |
| 49-31    | 71-099   | 上メス駆動シャフト        | SHAFT                         | 1    |
| 49-32    | 71-208   | ノックピン            | PIN                           | 4    |
| 49-33    | 71-596   | 上メスロット ピン        | CONNECTING ROD PIN            | 1    |
| 49-34    | 75-519   | ワッシャ             | WASHER                        | 1    |
| 49-35    | 75-522   | ワッシャ             | WASHER                        | 4    |
| 49-36    | 75-561   | カラー              | COLLAR                        | 2    |
| 49-37    | 81-022   | 上メス駆動シャフトフ ッシュ   | BUSHING                       | 2    |
| 49-38    | 81-543   | ブッシュ             | BUSHING                       | 1    |
| 49-39    | 81-544   | ブッシュ             | BUSHING                       | 1    |
| 49-40    | 84-363   | ネジ               | SCREW                         | 2    |
| 49-41    | 87-096   | ネジ               | SCREW                         | 2    |
| 49-42    | 87-099   | ネジ               | SCREW                         | 4    |
| 49-43    | 87-106   | ネジ               | SCREW                         | 5    |
| 49-44    | 87-113   | 六角穴付きボルト         | BOLT                          | 3    |
| 49-45    | 87-129   | 六角穴付きボルト         | BOLT                          | 6    |
| 49-46    | 87-166   | ネジ               | SCREW                         | 4    |
| 49-47    | 87-171   | 六角穴付きボルト         | BOLT                          | 2    |
| 49-48    | 87-181   | ネジ               | SCREW                         | 3    |
| 49-49    | 87-214   | 六角穴付きボルト         | BOLT                          | 2    |
| 49-50    | 87-224   | 六角穴付きボルト         | BOLT                          | 2    |
| 49-51    | 87-234   | ネジ               | SCREW                         | 1    |
| 49-52    | 87-254   | ネジ               | SCREW                         | 2    |
| 49-53    | 87-285   | 六角穴付きボルト         | BOLT                          | 4    |
| 49-54    | 93-213   | E型止め輪            | E-RING                        | 1    |
| 49-55    | 94-507   | メクラフ タ           | PLUG                          | 1    |
| 49-56    | 94-805   | オイルシール           | OIL SEAL                      | 1    |

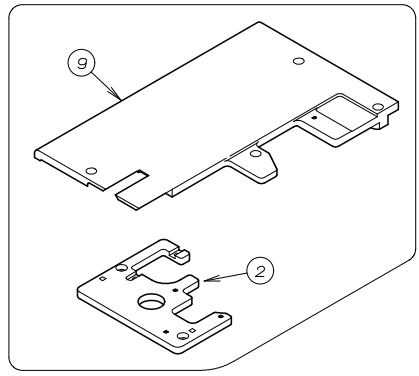
50. NW2202GC用専用部品 (2) MODEL NW2202GC EXCLUSIVE PARTS (2)



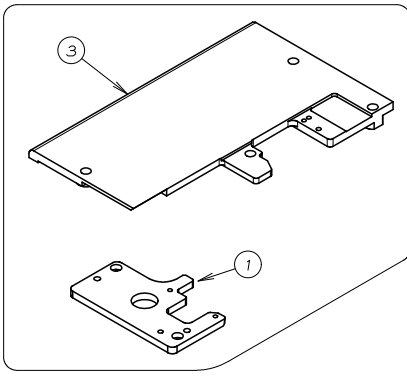
| REF. NO. | PART NO.  | 品 名       | DESCRIPTION      | Q' TY |
|----------|-----------|-----------|------------------|-------|
| 50-01    | 02-118    | 波ワッシャ     | WASHER           | 1     |
| 50-02    | 07-412    | 補助押え足     | BOTTOM           | 1     |
| 50-03    | 07-413    | 補助押え連結    | BRACKET          | 1     |
| 50-04    | 07-414    | 補助押え生地押え  | GUIDE            | 2     |
| 50-05    | 07-415    | 補助押えシャフト  | SHAFT            | 1     |
| 50-06    | 07-416    | 補助押えハネカラー | COLLAR           | 1     |
| 50-07    | 07-417    | 補助押え主ハネ   | SPRING           | 1     |
| 50-08    | 07-418    | 補助ハネ      | SPRING           | 1     |
| 50-09    | 07-419    | フックラケット   | BRACKET          | 1     |
| 50-10    | 07-420    | レバー       | LEVER            | 1     |
| 50-11    | 07-421    | 回転レバー     | LEVER            | 1     |
| 50-12    | 07-422    | 補助針板      | PLATE            | 1     |
| 50-13    | 07-442    | 補助板       | PLATE            | 1     |
| 50-14    | 07-443    | 上メス軸カバー   | COVER            | 1     |
| 50-15    | 07-444    | メス土台カバー   | COVER            | 1     |
| 50-16    | 71-095    | 補助押え連結ピン  | PIN              | 1     |
| 50-17    | 75-385    | ワッシャ      | WASHER           | 1     |
| 50-18    | 75-453    | ワッシャ      | WASHER           | 1     |
| 50-19    | 81-021    | ブッシュ      | BUSHING          | 2     |
| 50-20    | 84-374    | ネジ        | SCREW            | 1     |
| 50-21    | 84-396    | 段ネジ       | SCREW            | 1     |
| 50-22    | 86-211    | ナット       | NUT              | 1     |
| 50-23    | 87-104    | ネジ        | SCREW            | 1     |
| 50-24    | 87-106    | ネジ        | SCREW            | 2     |
| 50-25    | 87-113    | 六角穴付きボルト  | BOLT             | 4     |
| 50-26    | 87-166    | ネジ        | SCREW            | 2     |
| 50-27    | 87-181    | ネジ        | SCREW            | 2     |
| 50-28    | 87-249    | ネジ        | SCREW            | 2     |
| 50-29    | 87-252    | 六角穴付きボルト  | BOLT             | 1     |
| 50-30    | 87-321    | 六角ボルト     | BOLT             | 1     |
| 50-31    | 87-322    | ネジ        | SCREW            | 2     |
| 50-32    | 87-415    | ネジ        | SCREW            | 5     |
| 50-33    | 07-4120-1 | 補助押えセット図  | GUIDE FOOT ASS'Y | 1     |

51. NW2202GC, GPC, GP用カバー MODEL NW2202GC, GPC, GP COVER ASSEMBLY

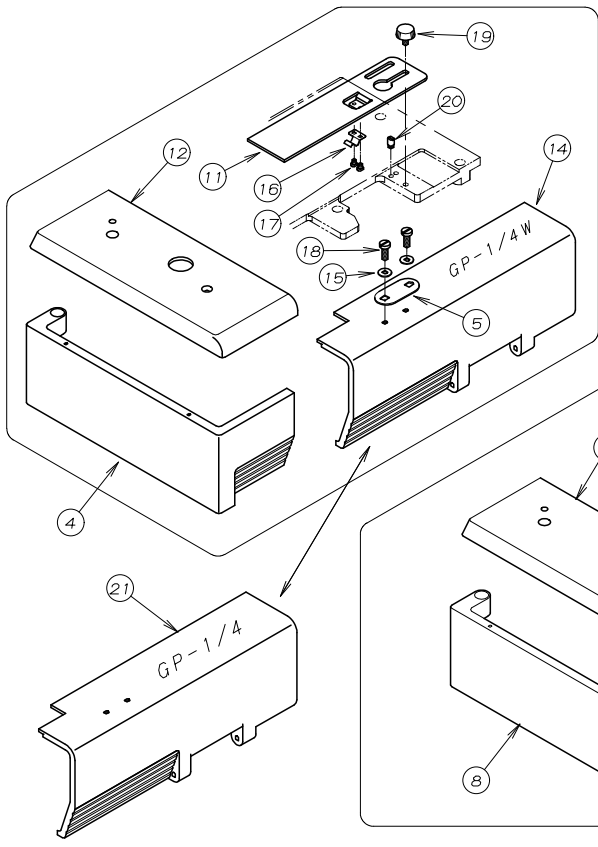
MODEL GPC, GP



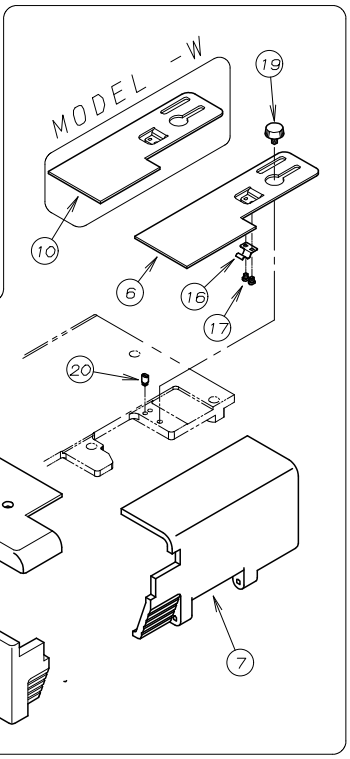
MODEL GC



MODEL GP-1/4W  
GP-1/4

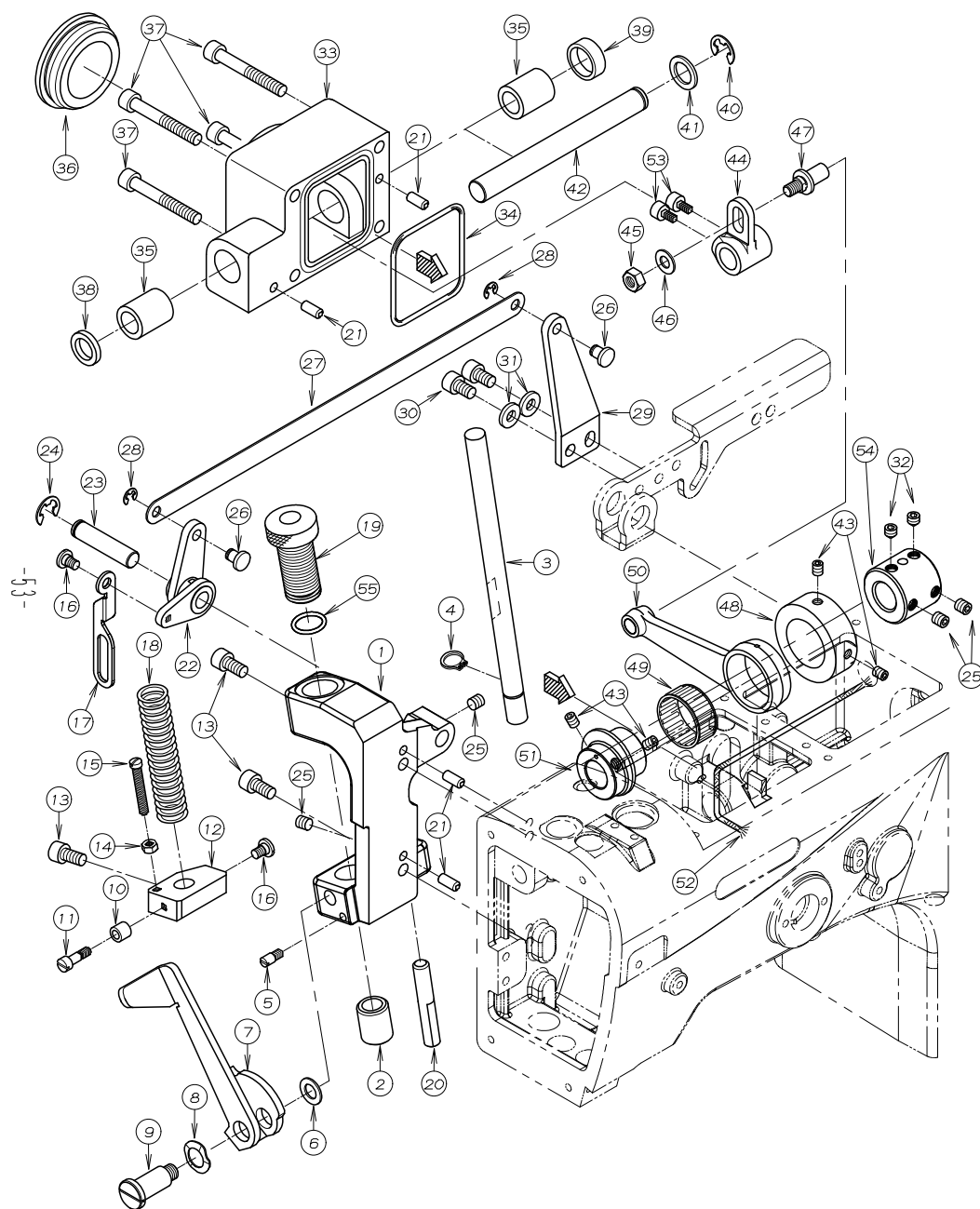


MODEL GC, GPC



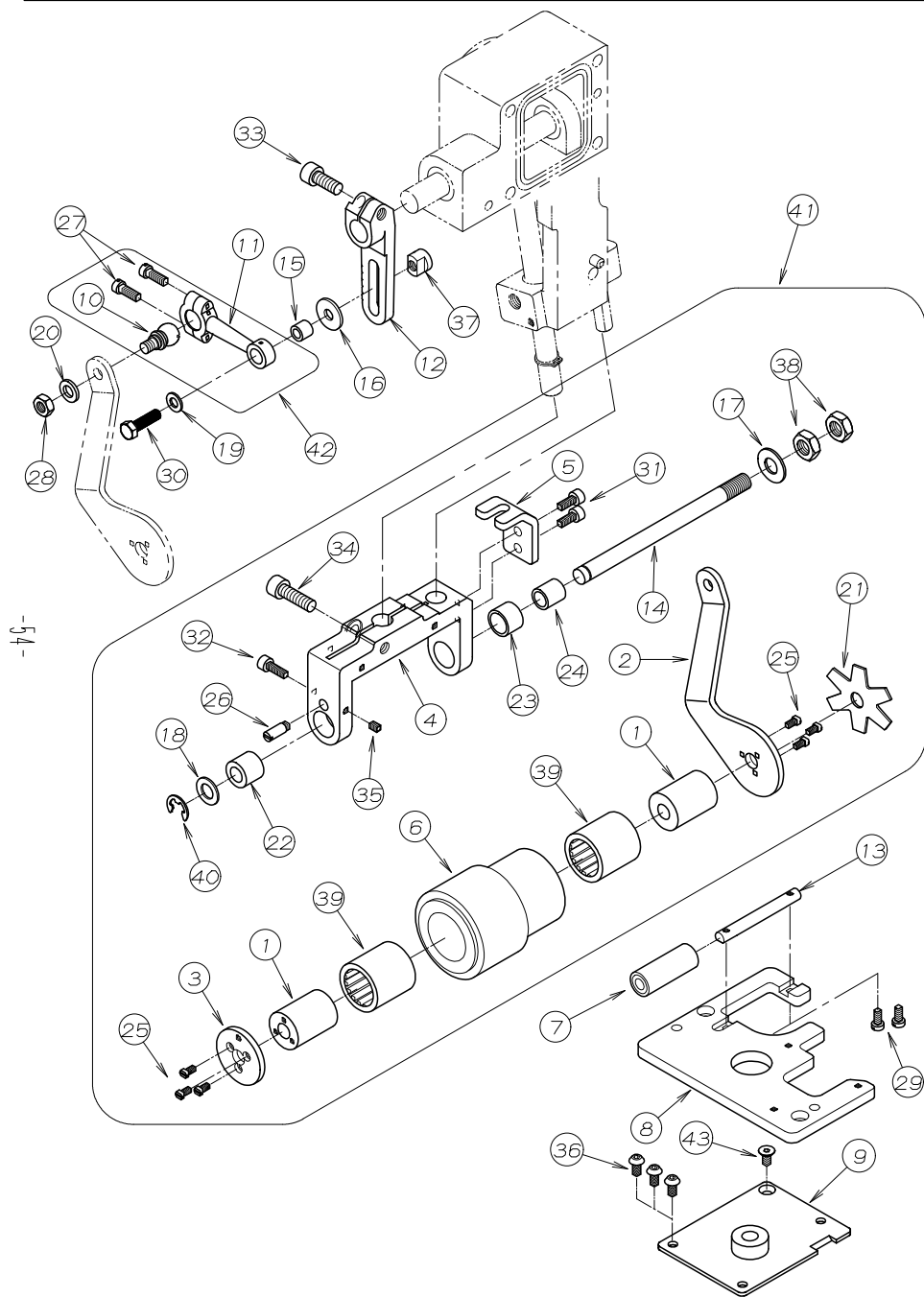
| REF. NO. | PART NO. | 品 名          | DESCRIPTION                  | Q' TY |
|----------|----------|--------------|------------------------------|-------|
| 51-01    | 14-147   | 針板土台         | NEEDLE PLATE SUPPORT BRACKET | 1     |
| 51-02    | 14-172   | 針板土台         | NEEDLE PLATE SUPPORT BRACKET | 1     |
| 51-03    | 21-660   | 上ヘースカハ       | UPPER COVER                  | 1     |
| 51-04    | 21-666W  | 横カハ          | SIDE COVER                   | 1     |
| 51-05    | 26-712   | 取付金具         | WASHER                       | 1     |
| 51-06    | 27-103   | 前ヘースカハ       | FRONT COVER                  | 1     |
| 51-07    | 27-104   | 前カハ          | FRONT COVER                  | 1     |
| 51-08    | 27-105   | ヨコカハ         | SIDE COVER                   | 1     |
| 51-09    | 27-108   | 上ヘースカハ       | CLOTH COVER                  | 1     |
| 51-10    | 27-109   | 前ヘースカハ (幅広用) | FRONT COVER                  | 1     |
| 51-11    | 27-167   | 前ベースカバー      | FRONT BASE COVER             | 1     |
| 51-12    | 27-393   | サイド上ヘースカハ    | SIDE COVER                   | 1     |
| 51-13    | 27-355   | サイド上ベースカバー   | SIDE COVER                   | 1     |
| 51-14    | 27-375   | 前カハ          | FRONT COVER                  | 1     |
| 51-15    | 75-455   | ワッシャ         | WASHER                       | 2     |
| 51-16    | 79-801   | ハネ           | SPRING                       | 2     |
| 51-17    | 84-167   | ネジ           | SCREW                        | 4     |
| 51-18    | 84-566   | ネジ           | SCREW                        | 2     |
| 51-19    | 87-292   | 調節ネジ         | SCREW                        | 2     |
| 51-20    | 87-423   | 段ネジ          | SCREW                        | 2     |
| 51-21    | 21-664   | 前カハ          | FRONT COVER                  | 1     |

# 52. NW2202GPC, GP後プーラー機構(1) REAR PULLER MECHANISM(1)



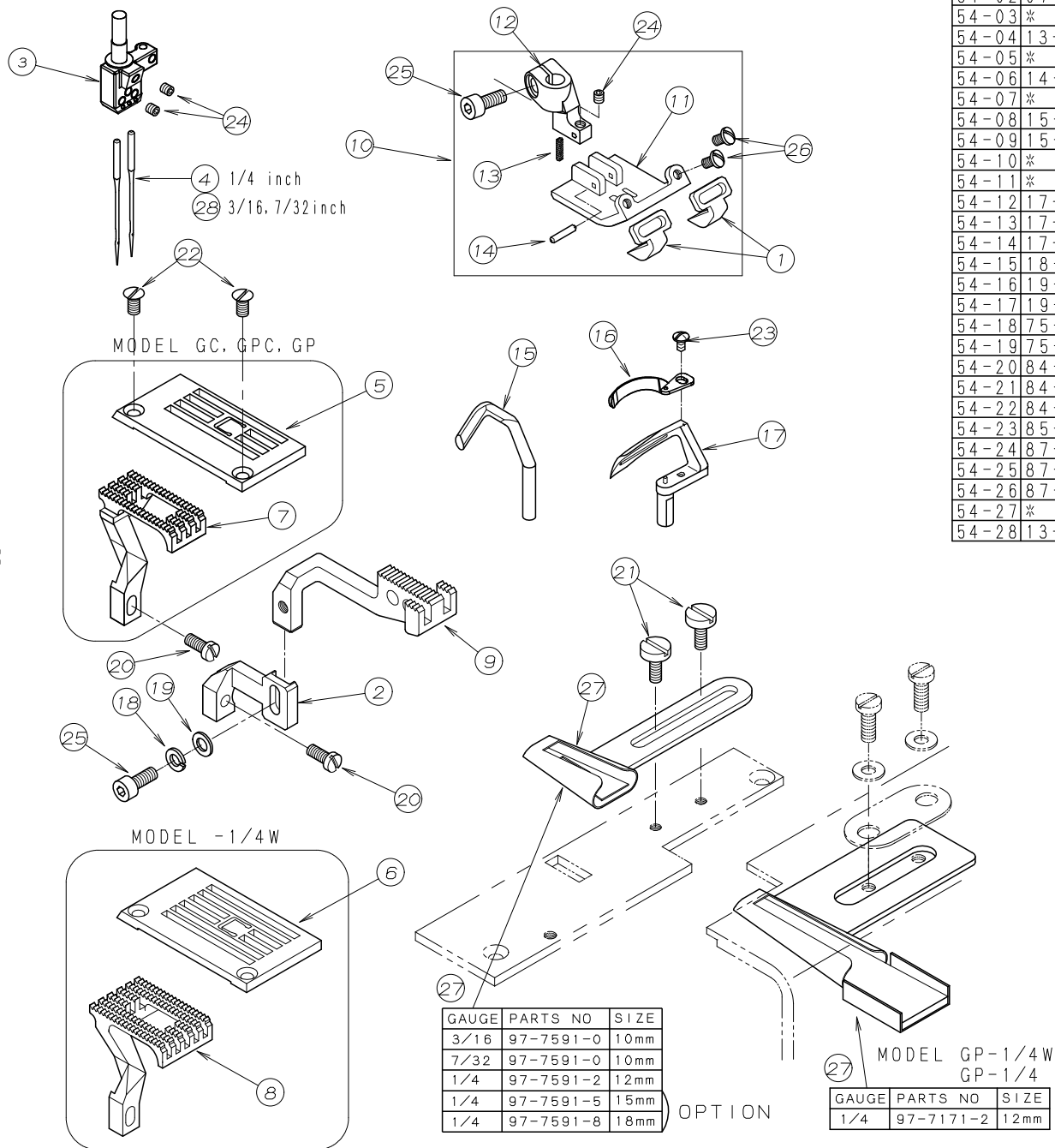
| REF. NO. | PART NO. | 品 名           | DESCRIPTION                | Q' TY |
|----------|----------|---------------|----------------------------|-------|
| 52-01    | 02-225W  | 後プーラーブラケット    | REAR PULLER BRACKET        | 1     |
| 52-02    | 81-133   | ブッシュ          | BUSHING                    | 1     |
| 52-03    | 71-464   | 後プーラー立シャフト    | SHAFT                      | 1     |
| 52-04    | 93-261   | Eリング          | E-RING                     | 1     |
| 52-05    | 84-562   | 段ネジ           | SCREW                      | 1     |
| 52-06    | 75-519   | ワッシャ          | WASHER                     | 1     |
| 52-07    | 02-216   | 手揚用金具         | PULLER LIFTING LEVER       | 1     |
| 52-08    | 02-112   | 波ワッシャ         | CORRUGATED WASHER          | 1     |
| 52-09    | 85-671   | ネジ            | SCREW                      | 1     |
| 52-10    | 75-211   | カラー           | COLLAR                     | 1     |
| 52-11    | 84-582   | ネジ            | SCREW                      | 1     |
| 52-12    | 02-217   | 後プーラー立シャフト抱き  | BRACKET                    | 1     |
| 52-13    | 87-225   | ネジ            | SCREW                      | 3     |
| 52-14    | 86-311   | ナット           | NUT                        | 1     |
| 52-15    | 84-569   | ネジ            | SCREW                      | 1     |
| 52-16    | 84-581   | ネジ            | SCREW                      | 2     |
| 52-17    | 02-659   | 後プーラー抱き連結プレート | CONNECTING PLATE           | 1     |
| 52-18    | 79-640   | バネ            | SPRING                     | 1     |
| 52-19    | 87-759   | 筒ネジ           | SCREW                      | 1     |
| 52-20    | 71-729   | プーラー回り止メピン    | GUIDE PIN                  | 1     |
| 52-21    | 71-208   | ノックピン         | PIN                        | 4     |
| 52-22    | 02-219   | 後プーラー揚レバー     | LEVER                      | 1     |
| 52-23    | 71-726   | シャフト          | SHAFT                      | 1     |
| 52-24    | 93-222   | Eリング          | E-RING                     | 1     |
| 52-25    | 87-172   | ネジ            | SCREW                      | 4     |
| 52-26    | 77-419   | 押易連結ピン        | PIN                        | 2     |
| 52-27    | 77-037   | 押易連結板         | PLATE                      | 1     |
| 52-28    | 93-205   | Eリング          | E-RING                     | 2     |
| 52-29    | 77-421   | 押易レバー         | LEVER                      | 1     |
| 52-30    | 87-203   | ネジ            | SCREW                      | 2     |
| 52-31    | 75-458   | ワッシャ          | WASHER                     | 2     |
| 52-32    | 87-259   | ネジ            | SCREW                      | 2     |
| 52-33    | 02-220W  | 上プーラー軸ケース     | BRACKET                    | 1     |
| 52-34    | 23-542   | Oリング          | O-RING                     | 1     |
| 52-35    | 81-559   | 上プーラー軸ブッシュ    | BUSHING                    | 2     |
| 52-36    | 23-541   | ゴム栓           | PLUG                       | 1     |
| 52-37    | 87-186   | ネジ            | SCREW                      | 4     |
| 52-38    | 94-502   | オイルシール        | OIL SEAL                   | 1     |
| 52-39    | 94-506   | シールキャップ       | PLUG                       | 1     |
| 52-40    | 93-223   | Eリング          | E-RING                     | 1     |
| 52-41    | 75-187   | ワッシャ          | WASHER                     | 1     |
| 52-42    | 71-727   | 上プーラー駆動軸      | SHAFT                      | 1     |
| 52-43    | 87-254   | ネジ            | SCREW                      | 4     |
| 52-44    | 67-528   | 上プーラー振りレバー    | LEVER                      | 1     |
| 52-45    | 88-166   | ナット           | NUT                        | 1     |
| 52-46    | 75-452   | ワッシャ          | WASHER                     | 1     |
| 52-47    | 04-502   | 調節レバーピン       | PIN                        | 1     |
| 52-48    | 75-272   | スラストカラー       | COLLAR                     | 1     |
| 52-49    | 91-413   | ニードルベアリング     | NEEDLE BEARING             | 1     |
| 52-50    | 63-535   | プーラークランクロッド   | CRANK ROD                  | 1     |
| 52-51    | 61-551   | プーラーエキセン      | ECCENTRIC                  | 1     |
| 52-52    | 23-556   | フェルト          | FELT                       | 1     |
| 52-53    | 87-024   | 六角穴付ボルト       | BOLT                       | 2     |
| 52-54    | 75-273   | 上軸ジョイント (P用)  | JOINT COLLAR (for P model) | 1     |
| 52-55    | 23-289   | Oリング          | O-RING                     | 1     |

53. NW2202GPC, GP後プーラー機構(2) REAR PULLER MECHANISM(2)



| REF. NO. | PART NO. | 品 名           | DESCRIPTION                  | Q'TY |
|----------|----------|---------------|------------------------------|------|
| 53-01    | 01-115   | スリーブ          | SLEEVE                       | 2    |
| 53-02    | 02-017   | 後プーラー連結板      | CONNECTING PLATE             | 1    |
| 53-03    | 02-117   | 後プーラーハーフフタ    | PLATE                        | 1    |
| 53-04    | 02-158   | 上プーラー土台       | REAR PULLER HOLDER           | 1    |
| 53-05    | 02-250   | 回り止めフックラケット   | BRACKET                      | 1    |
| 53-06    | 02-497   | スムーズ          | SMOOTH PULLER                | 1    |
| 53-07    | 02-499   | 下プーラー         | LOWER PULLER                 | 1    |
| 53-08    | 14-172   | 針板土台          | NEEDLE PLATE SUPPORT BRACKET | 1    |
| 53-09    | 27-367   | 上油カバー(左)      | CRANK CHAMBER COVER          | 1    |
| 53-10    | 61-810   | プーラー連結ロッド玉    | CONNECTING ROD BALL          | 1    |
| 53-11    | 63-809   | プーラー連結ロッド     | BALL JOINT                   | 1    |
| 53-12    | 67-529   | 上プーラー駆動レバー    | LEVER                        | 1    |
| 53-13    | 71-437   | 下プーラーシャフト     | PULLER SHAFT                 | 1    |
| 53-14    | 71-444   | 後プーラー台シャフト(中) | SHAFT                        | 1    |
| 53-15    | 75-247   | 連結メカネローラー     | ROLLER                       | 1    |
| 53-16    | 75-407   | ワッシャ          | WASHER                       | 1    |
| 53-17    | 75-451   | ワッシャ          | WASHER                       | 1    |
| 53-18    | 75-519   | ワッシャ          | WASHER                       | 1    |
| 53-19    | 75-520   | ワッシャ          | WASHER                       | 1    |
| 53-20    | 75-552   | ワッシャ          | WASHER                       | 1    |
| 53-21    | 79-551   | プーラー板ハネ       | PULLER PLATE SPRING          | 1    |
| 53-22    | 81-321   | ブッシュ          | BUSHING                      | 1    |
| 53-23    | 81-322   | ブッシュ          | BUSHING                      | 1    |
| 53-24    | 81-323   | ブッシュ          | BUSHING                      | 1    |
| 53-25    | 84-162   | ネジ            | SCREW                        | 6    |
| 53-26    | 84-573   | 段ネジ           | SCREW                        | 1    |
| 53-27    | 84-635   | ネジ            | SCREW                        | 2    |
| 53-28    | 86-411   | ナット           | NUT                          | 1    |
| 53-29    | 87-010   | ネジ            | SCREW                        | 2    |
| 53-30    | 87-015   | ネジ            | SCREW                        | 1    |
| 53-31    | 87-113   | 六角穴付きボルト      | BOLT                         | 2    |
| 53-32    | 87-129   | 六角穴付きボルト      | BOLT                         | 1    |
| 53-33    | 87-171   | 六角穴付きボルト      | BOLT                         | 1    |
| 53-34    | 87-173   | 六角穴付きボルト      | BOLT                         | 1    |
| 53-35    | 87-181   | ネジ            | SCREW                        | 1    |
| 53-36    | 87-272   | ネジ            | SCREW                        | 3    |
| 53-37    | 88-005   | ナット           | NUT                          | 1    |
| 53-38    | 88-179   | ナット           | NUT                          | 2    |
| 53-39    | 91-407   | ワンウェイクラッチ     | BEARING                      | 2    |
| 53-40    | 93-221   | ストップリンク       | E-RING                       | 1    |
| 53-41    | 00-5285  | ストップリンク       | SMOOTH PULLER ASS'Y          | 1    |
| 53-42    | 60-8090  | ストップリンク       | CONNECTING ROD ASS'Y         | 1    |
| 53-43    | 87-269   | ネジ            | SCREW                        | 1    |

# 54. ゲージ関係 (NW2202G) GAUGE PARTS (NW2202G)



| REF. NO. | PART NO.  | 品 名               | DESCRIPTION         | Q' TY |
|----------|-----------|-------------------|---------------------|-------|
| 54-01    | 07-410    | 生地力 イト            | BELT LOOP GUIDE     | 2     |
| 54-02    | 07-411    | 補助送り連結            | BRACKET             | 1     |
| 54-03    | *         | 針株                | NEEDLE HOLDER       | 1     |
| 54-04    | 13-0160-6 | 針 (UYX128GAS #16) | NEEDLE              | 2     |
| 54-05    | *         | 針板                | NEEDLE PLATE        | 1     |
| 54-06    | 14-567    | 針板 (1/4) 2本針幅広    | NEEDLE PLATE        | 1     |
| 54-07    | *         | 送歯                | FEED DOG            | 1     |
| 54-08    | 15-878    | 主送歯 (幅広)          | FEED DOG            | 1     |
| 54-09    | 15-879    | 補助送歯              | FEED DOG            | 1     |
| 54-10    | *         | 押えセット             | PRESSER FOOT ASS' Y | 1     |
| 54-11    | *         | 押え足               | BOTTOM              | 1     |
| 54-12    | 17-8190-A | 押え足ホ ス            | SHANK               | 1     |
| 54-13    | 17-8190-F | ハ ネ               | SPRING              | 1     |
| 54-14    | 17-8190-G | ピ ャン              | PIN                 | 1     |
| 54-15    | 18-811    | 針受                | NEEDLE GUARD        | 1     |
| 54-16    | 19-116    | 補助ルーパ ー           | NEEDLE GUIDE        | 1     |
| 54-17    | 19-539    | ルーパ ー             | LOOPER              | 1     |
| 54-18    | 75-410    | スプ リング ワッシャ       | SPRING WASHER       | 1     |
| 54-19    | 75-468    | ワッシャ              | WASHER              | 1     |
| 54-20    | 84-359    | ネジ                | SCREW               | 2     |
| 54-21    | 84-368    | ネジ                | SCREW               | 2     |
| 54-22    | 84-464    | ネジ                | SCREW               | 2     |
| 54-23    | 85-613    | ネジ                | SCREW               | 1     |
| 54-24    | 87-104    | ネジ                | SCREW               | 3     |
| 54-25    | 87-113    | 六角穴付きボルト          | BOLT                | 2     |
| 54-26    | 87-166    | ネジ                | SCREW               | 2     |
| 54-27    | *         | フォルダ ー            | FOLDER              | 1     |
| 54-28    | 13-0140-6 | 針 (UYX128GAS #14) | NEEDLE              | 2     |

※各ゲージ部品の品番は、56ページのゲージパーツ表を参照して下さい。

※ Please refer to Page56 GAUGE PARTS LIST

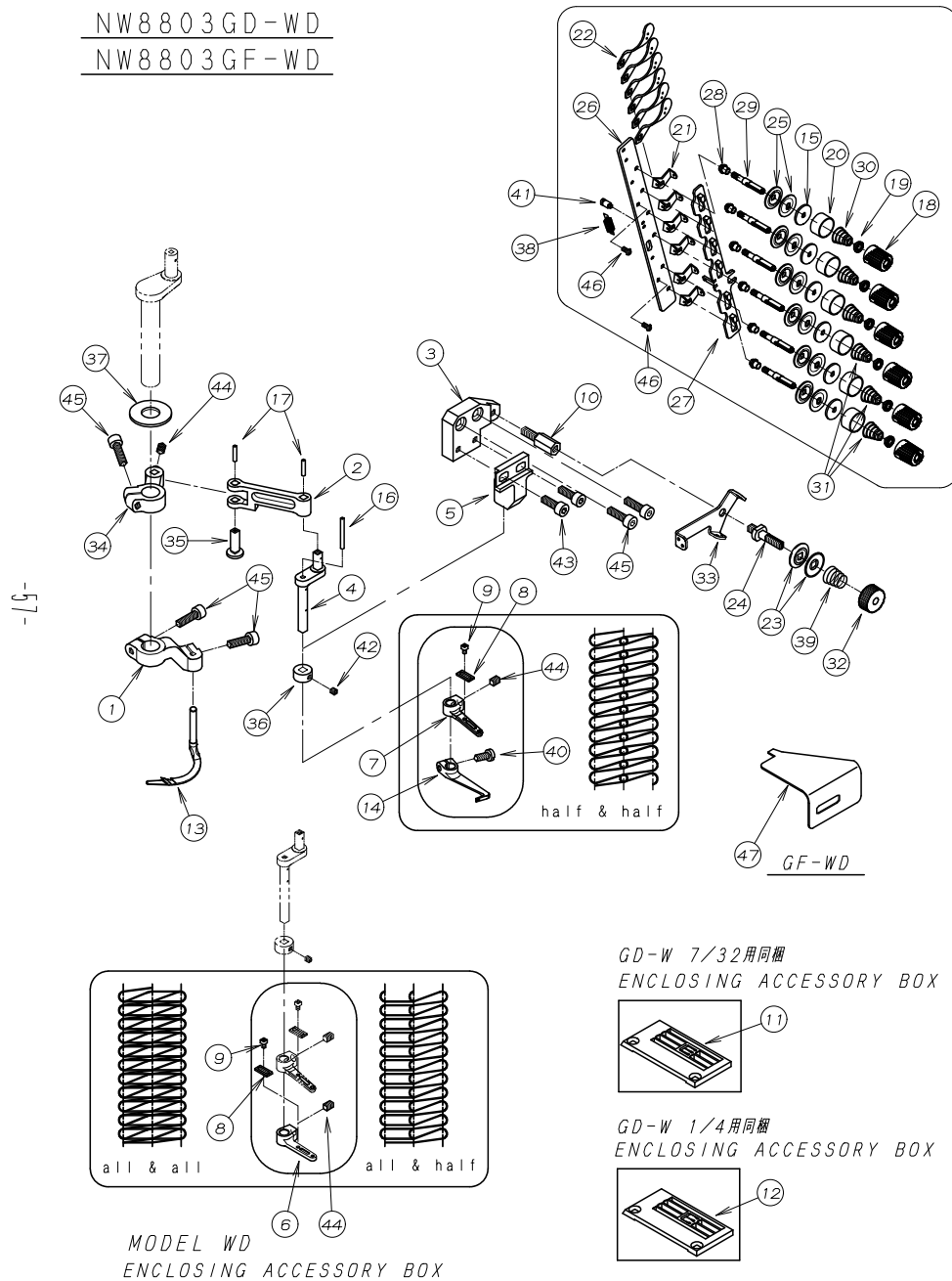
# 55. ゲージパーツ表 GAUGE PARTS LIST

| 機種<br>MODEL | タイプ<br>TYPE  | 針数<br>NEEDLE | ゲージ<br>GAUGE | 針株<br>NEEDLE<br>HOLDER | 押え組<br>PRESSER<br>FOOT ASS'Y | 送り歯<br>FEED<br>DOG | 針板<br>NEEDLE<br>PLATE<br>Standard | ルーパー<br>LOOPER | 上飾り<br>ルーパー<br>SPREADER | 針受 (後)<br>NEEDLE<br>GUARD<br>(REAR) | 針ガイド (前)<br>NEEDLE<br>GUARD<br>(FRONT) |
|-------------|--------------|--------------|--------------|------------------------|------------------------------|--------------------|-----------------------------------|----------------|-------------------------|-------------------------------------|----------------------------------------|
| NW2202      | G C<br>G P C | 2            | 3/16         | 12-0300-1              | 17-5640-1                    | 15-876             | 14-886                            | 19-539         |                         | 18-811                              | 19-116                                 |
|             |              |              | 7/32         | 12-0260-1              | 17-5650-1                    |                    | 14-887                            |                |                         |                                     |                                        |
|             |              |              | 1/4          | 12-0270-1              | 17-5670-1                    | 15-877             | 14-566                            |                |                         |                                     |                                        |
|             | -W           | 2            | 1/4          | 12-0270-1              | 17-5670-1                    | 15-878             | 14-567                            |                |                         |                                     |                                        |
|             |              |              | 1/4          | 12-0270-1              | 17-5670-1                    | 15-878             | 14-567                            |                |                         |                                     |                                        |
|             | GP           | 2            | 1/4          | 12-0270-1              | 17-5670-1                    | 15-877             | 14-566                            |                |                         |                                     |                                        |
| NW2202GP    | -W           | 2            | 1/4          | 12-0270-1              | 17-5670-1                    | 15-878             | 14-567                            |                |                         |                                     |                                        |
| NW2202      | GP           | 2            | 1/4          | 12-0270-1              | 17-5670-1                    | 15-877             | 14-566                            |                |                         |                                     |                                        |

## 56. WDタイプ専用部品 MODEL WD EXCLUSIVE PARTS

NW8803GD-WD

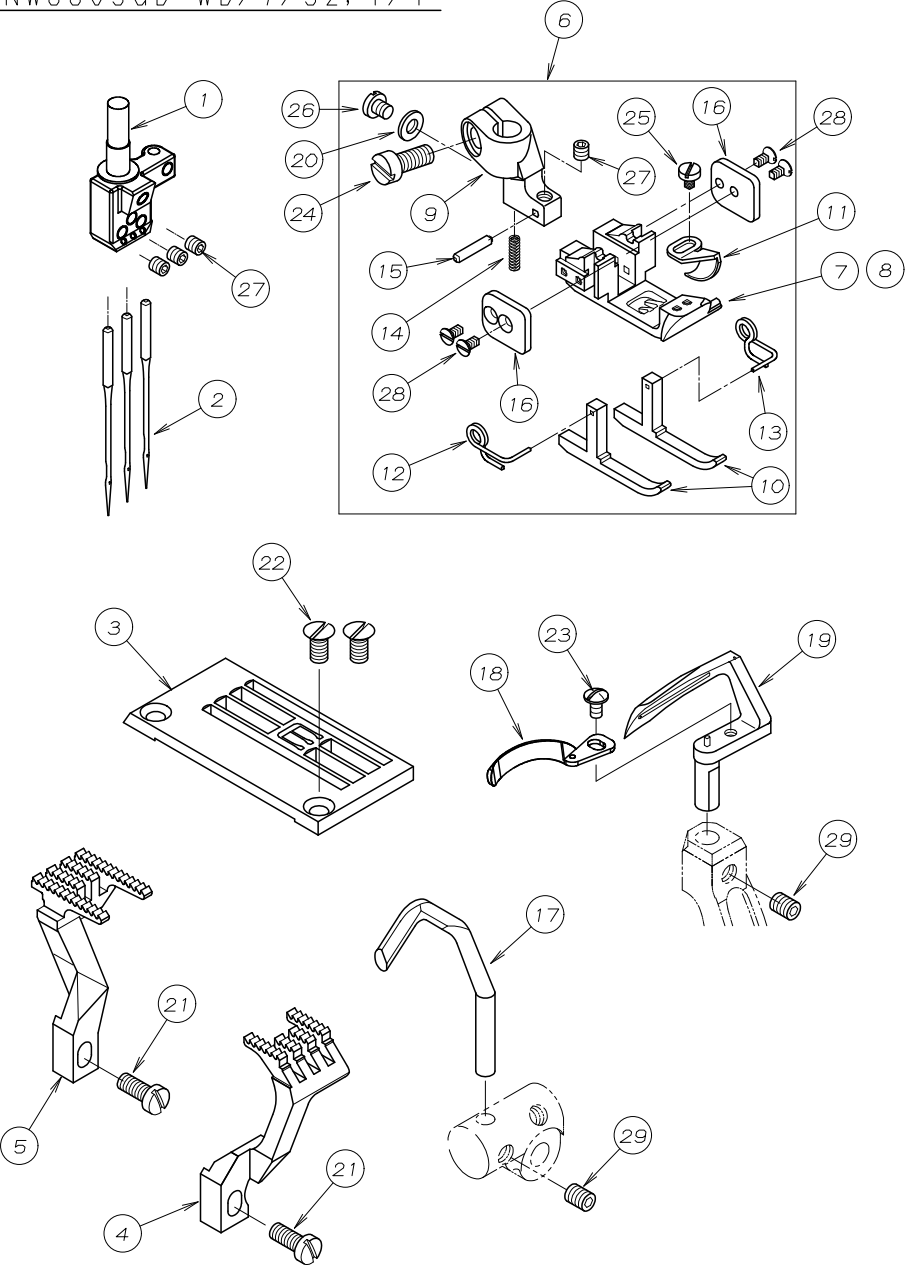
NW8803GF-WD



| REF. NO. | PART NO. | 品 名              | DESCRIPTION                   | Q' TY |
|----------|----------|------------------|-------------------------------|-------|
| 56-01    | 04-501   | スフ° レッタ° -ホルタ° - | HOLDER                        | 1     |
| 56-02    | 04-510   | リンク              | LINK                          | 1     |
| 56-03    | 04-513   | ハ° -ースフ° ロック     | BRACKET                       | 1     |
| 56-04    | 04-514   | 飾り糸道駆動軸          | SHAFT                         | 1     |
| 56-05    | 04-515   | 飾り糸道案内台          | BRACKET                       | 1     |
| 56-06    | 04-517   | 上飾り糸道 (下)        | THREAD EYELET                 | 1     |
| 56-07    | 04-518   | 上飾り糸道 (上)        | THREAD EYELET                 | 1     |
| 56-08    | 04-519   | 糸穴調節板            | THREAD EYELET ADJUSTING PLATE | 2     |
| 56-09    | 06-001   | 六角穴付きボルト         | BOLT                          | 2     |
| 56-10    | 06-751   | スタット° ホ° ルト      | STUD BOLT                     | 1     |
| 56-11    | 14-871   | 針板               | NEEDLE PLATE                  | 1     |
| 56-12    | 14-880   | 針板               | NEEDLE PLATE                  | 1     |
| 56-13    | 19-752   | 2本上飾りルーパー-A      | SPREADER                      | 1     |
| 56-14    | 19-753   | 上飾り補助ルーパー        | SPREADER                      | 1     |
| 56-15    | 23-324   | フェルト             | FELT                          | 6     |
| 56-16    | 23-531   | フェルト             | FELT                          | 1     |
| 56-17    | 23-553   | フェルト             | FELT                          | 2     |
| 56-18    | 41-104   | チャンホ° ン皿小ケース     | THREAD TENSION NUT            | 6     |
| 56-19    | 41-105   | チャンボン皿ラチェット      | SPRING POST                   | 6     |
| 56-20    | 41-106   | チャンホ° ン大ケース      | SPRING CUP                    | 6     |
| 56-21    | 41-115   | 糸道 (上)           | THREAD GUIDE                  | 6     |
| 56-22    | 41-117   | 糸道 (下)           | THREAD GUIDE                  | 6     |
| 56-23    | 41-155   | チャンホ° ン皿         | DISC                          | 2     |
| 56-24    | 41-504   | 調子棒              | TENSION POST                  | 1     |
| 56-25    | 41-509   | チャンボン皿           | TENSION DISC                  | 12    |
| 56-26    | 41-518   | フ° ラケット          | BRACKET                       | 1     |
| 56-27    | 41-519   | 糸緩めフ° レート        | THREAD RELEASER               | 1     |
| 56-28    | 41-526   | 調子棒カラー           | COLLAR                        | 6     |
| 56-29    | 41-527   | 調子棒              | SCREW STUD                    | 6     |
| 56-30    | 41-701   | チャンボン調子バネ (強)    | SPRING (HEAVY)                | 3     |
| 56-31    | 41-702   | チャンボン調子バネ (弱)    | SPRING (LIGHT)                | 3     |
| 56-32    | 43-568   | 小チャンホ° ンナット      | NUT                           | 1     |
| 56-33    | 45-566   | 小調子台糸道           | THREAD EYELET                 | 1     |
| 56-34    | 67-512   | 飾り糸道振りレハ° -      | LEVER                         | 1     |
| 56-35    | 71-536   | ヒ° ン             | PIN                           | 1     |
| 56-36    | 75-544   | カラー              | COLLER                        | 1     |
| 56-37    | 75-549   | ワッシャ             | WASHER                        | 1     |
| 56-38    | 79-514   | 引張りバネ            | SPRING                        | 1     |
| 56-39    | 79-534   | ハ° ネ             | SPRING                        | 1     |
| 56-40    | 84-360   | ネシ°              | SCREW                         | 1     |
| 56-41    | 84-501   | ネシ°              | SCREW                         | 1     |
| 56-42    | 87-104   | ネシ°              | SCREW                         | 1     |
| 56-43    | 87-129   | 六角穴付きボルト         | BOLT                          | 2     |
| 56-44    | 87-181   | ネシ°              | SCREW                         | 3     |
| 56-45    | 87-214   | 六角穴付きボルト         | BOLT                          | 5     |
| 56-46    | 87-482   | プラマイナベ小ねじ        | SCREW                         | 2     |
| 56-47    | 26-841   | F用前定規            | GUIDE PLATE FOR F             | 1     |

57. ゲージ関係 GAUGE PARTS

NW8803GD-WD/7/32. 1/4

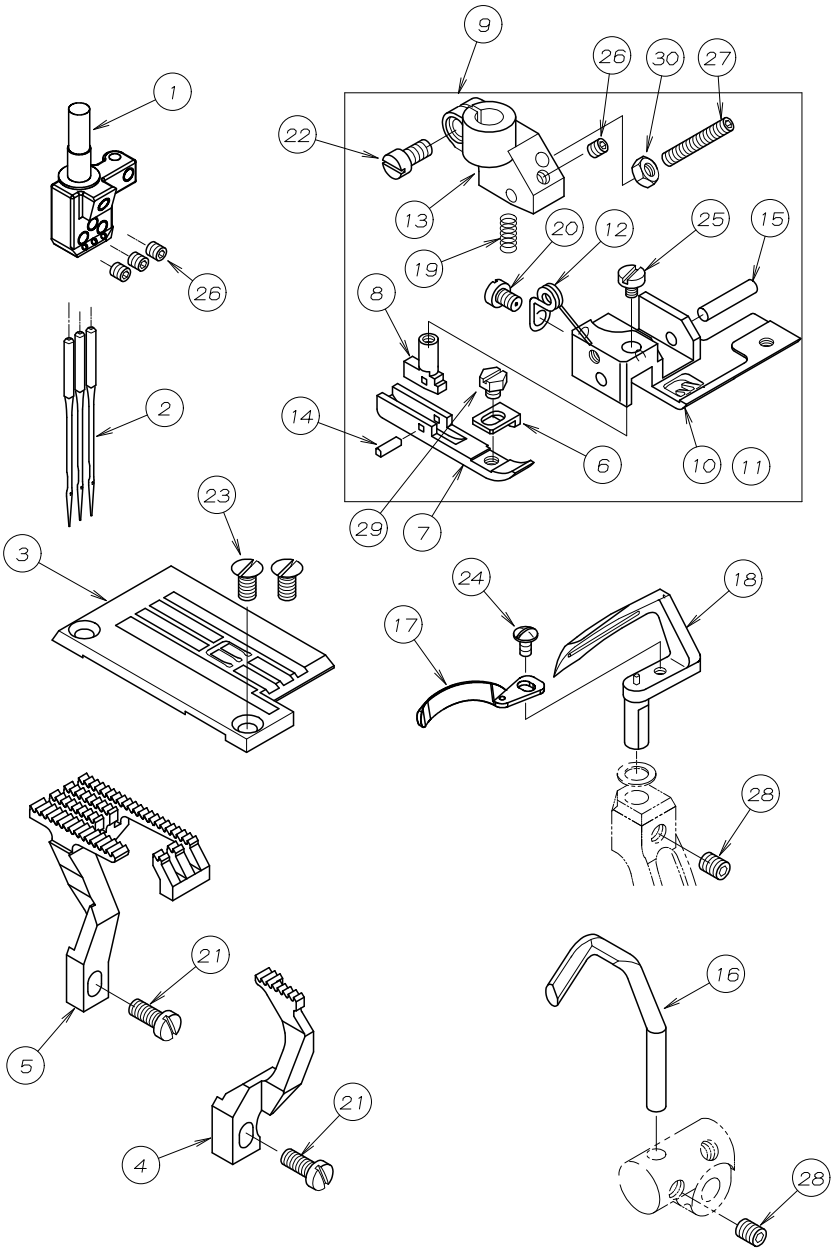


| REF. NO. | PART NO.  | 品 名               | DESCRIPTION                 | Q' TY |
|----------|-----------|-------------------|-----------------------------|-------|
| 57-01    | *         | 針株                | NEEDLE HOLDER               | 1     |
| 57-02    | 13-0110-6 | 針 (UYX128GAS #11) | NEEDLE                      | 3     |
| 57-03    | *         | 針板 (ショートステッチ)     | NEEDLE PLATE (Short Stitch) | 1     |
| 57-04    | 15-870    | 前送歯               | FRONT FEED DOG              | 1     |
| 57-05    | 15-875    | 後送歯               | REAR FEED DOG               | 1     |
| 57-06    | *         | 押えセット             | PRESSER FOOT ASS' Y         | 1     |
| 57-07    | 17-7090-H | 押え足3本針7/32        | BOTTOM                      | 1     |
| 57-08    | 17-7100-H | 押え足3本針1/4         | BOTTOM                      | 1     |
| 57-09    | 17-7680-A | 押え足ホース            | SHANK                       | 1     |
| 57-10    | 17-7680-B | 補助押え足             | GUIDE                       | 2     |
| 57-11    | 17-7680-L | 生地カイト             | GUIDE                       | 1     |
| 57-12    | 17-8190-D | 補助押え足ハネ (左)       | SPRING (LEFT)               | 1     |
| 57-13    | 17-8190-E | 補助押え足ハネ (右)       | SPRING (RIGHT)              | 1     |
| 57-14    | 17-8190-F | ハネ                | SPRING                      | 1     |
| 57-15    | 17-8190-G | ピン                | PIN                         | 1     |
| 57-16    | 17-8190-J | カイトプレート           | GUIDE PLATE                 | 2     |
| 57-17    | 18-811    | 針受                | NEEDLE GUARD                | 1     |
| 57-18    | 19-116    | 補助ルーパー            | NEEDLE GUIDE                | 1     |
| 57-19    | 19-539    | ルーパー              | LOOPER                      | 1     |
| 57-20    | 75-228    | ワッシャ              | WASHER                      | 1     |
| 57-21    | 84-359    | ネジ                | SCREW                       | 2     |
| 57-22    | 84-464    | ネジ                | SCREW                       | 2     |
| 57-23    | 85-613    | ネジ                | SCREW                       | 1     |
| 57-24    | 87-034    | ネジ                | SCREW                       | 1     |
| 57-25    | 87-035    | ネジ                | SCREW                       | 1     |
| 57-26    | 87-083    | ネジ                | SCREW                       | 1     |
| 57-27    | 87-104    | ネジ                | SCREW                       | 4     |
| 57-28    | 87-107    | ネジ                | SCREW                       | 4     |
| 57-29    | 87-181    | ネジ                | SCREW                       | 2     |

58. ゲージ関係 GAUGE PARTS

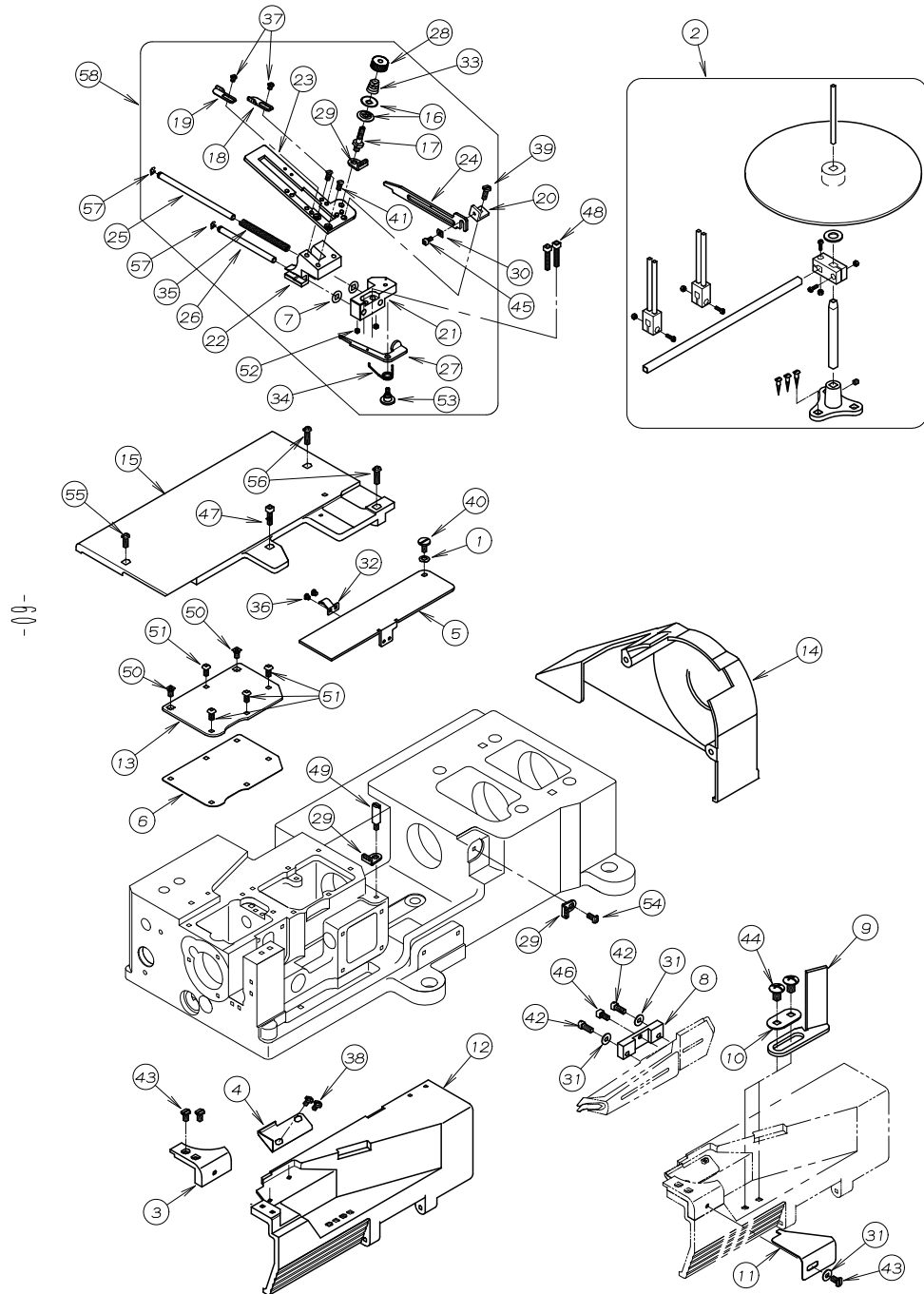
NW8803GF-WD/7/32. 1/4

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| REF. NO. | PART NO.  | 品 名               | DESCRIPTION         | Q' TY |
|----------|-----------|-------------------|---------------------|-------|
| 58-01    | *         | 針株                | NEEDLE HOLDER       | 1     |
| 58-02    | 13-0110-6 | 針 (UYX128GAS #11) | NEEDLE              | 3     |
| 58-03    | *         | 針板                | NEEDLE PLATE        | 1     |
| 58-04    | 15-839    | 前送歯               | FRONT FEED DOG      | 1     |
| 58-05    | 15-849    | 後送歯               | REAR FEED DOG       | 1     |
| 58-06    | 17-1760-K | テープガイド            | TAPE GUIDE          | 1     |
| 58-07    | 17-1760-Y | 押えガイド足            | GUIDE BRACKET       | 1     |
| 58-08    | 17-1760-Z | ガイド足金具            | GUIDE PIN           | 1     |
| 58-09    | *         | 押えセット             | PRESSER FOOT A' SSY | 1     |
| 58-10    | 17-1920-N | 押え足 (7/32)        | BOTTOM              | 1     |
| 58-11    | 17-1930-N | 押え足 (1/4)         | BOTTOM              | 1     |
| 58-12    | 17-7490-L | 押え足ハネ             | SPRING              | 1     |
| 58-13    | 17-7760-A | 押えホース             | SHANK               | 1     |
| 58-14    | 17-7760-D | ピン                | PIN                 | 1     |
| 58-15    | 17-7760-E | ピン                | PIN                 | 1     |
| 58-16    | 18-811    | 針受                | NEEDLE GUARD        | 1     |
| 58-17    | 19-116    | 補助ルーバー            | NEEDLE GUIDE        | 1     |
| 58-18    | 19-539    | ルーバー              | LOOPER              | 1     |
| 58-19    | 79-191    | ハネ                | SPRING              | 1     |
| 58-20    | 84-161    | ネジ                | SCREW               | 1     |
| 58-21    | 84-359    | ネジ                | SCREW               | 2     |
| 58-22    | 84-382    | ネジ                | SCREW               | 1     |
| 58-23    | 84-464    | ネジ                | SCREW               | 2     |
| 58-24    | 85-613    | ネジ                | SCREW               | 1     |
| 58-25    | 85-621    | ネジ                | SCREW               | 1     |
| 58-26    | 87-104    | ネジ                | SCREW               | 4     |
| 58-27    | 87-130    | ネジ                | SCREW               | 1     |
| 58-28    | 87-181    | ネジ                | SCREW               | 2     |
| 58-29    | 87-397    | テープガイド取付ネジ        | BOLT                | 1     |
| 58-30    | 88-136    | ナット               | NUT                 | 1     |

59. NW8803G-1S 専用部品 EXCLUSIVE PARTS

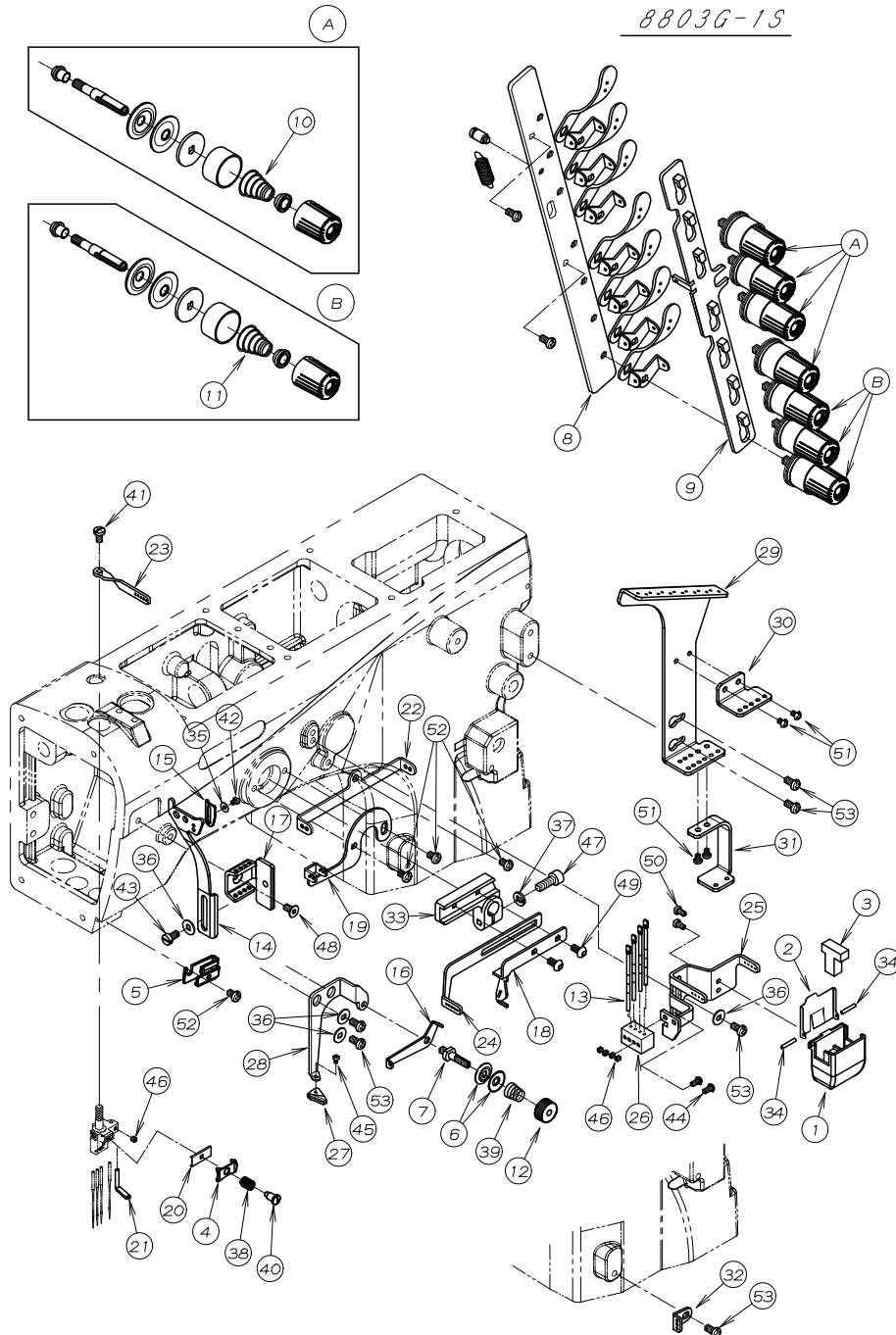


| REF. NO. | PART NO. | 品 名               | DESCRIPTION                | Q'TY |
|----------|----------|-------------------|----------------------------|------|
| 59-01    | 02-118   | 波ワッシャ             | WASHER                     | 1    |
| 59-02    | 20-6150  | テーフ°カ°イト°セット      | TAPE GUIDE ASSEMBLY        | 1    |
| 59-03    | 21-822   | 前カハ°ー(小)          | FRONT COVER(S)             | 1    |
| 59-04    | 21-823   | 防塵カハ°ー            | DUSTPROOF COVER            | 1    |
| 59-05    | 21-824   | 前ハ°ースカハ°ー         | FRONT BASE COVER           | 1    |
| 59-06    | 23-061   | ハ°ット°カハ°ー(右)ハ°ッキン | GASKET                     | 1    |
| 59-07    | 23-183   | O-リング°            | O-RING                     | 2    |
| 59-08    | 26-724   | F用ラッハ°抱き          | FOLDER BASE FOR F          | 1    |
| 59-09    | 26-821   | F用ラッハ°取付台         | FOLDER BASE                | 1    |
| 59-10    | 26-822   | ラッハ°取付金具          | PLATE                      | 1    |
| 59-11    | 26-823   | F用前定規             | GUIDE PLATE FOR F          | 1    |
| 59-12    | 27-079   | 前カハ°ー             | FRONT COVER                | 1    |
| 59-13    | 27-086   | ハ°ット°カハ°ー(右)      | COVER                      | 1    |
| 59-14    | 27-373   | フ°ーリーカハ°ー         | PULLEY COVER               | 1    |
| 59-15    | 27-374   | 上ハ°ースカハ°ー         | UPPER COVER                | 1    |
| 59-16    | 41-155   | チャンホ°ン皿           | DISC                       | 2    |
| 59-17    | 41-504   | 調子棒               | TENSION POST               | 1    |
| 59-18    | 43-532   | 下糸系道              | THREAD EYELET              | 1    |
| 59-19    | 43-533   | 下糸系道              | THREAD EYELET              | 1    |
| 59-20    | 43-548   | 糸案内取付台            | HOLDER                     | 1    |
| 59-21    | 43-561   | 下糸捌き土台            | BRACKET                    | 1    |
| 59-22    | 43-577   | 下糸捌きスライト°土台       | SLIDE BRACKET              | 1    |
| 59-23    | 43-563   | 下糸捌き板             | SUPPORT BRACKET            | 1    |
| 59-24    | 43-564   | 糸案内フ°レート          | THREAD GUIDE PLATE         | 1    |
| 59-25    | 43-578   | 丸棒カ°イト°(長)        | GUIDE BAR (L)              | 1    |
| 59-26    | 43-579   | 丸棒カ°イト°(短)        | GUIDE BAR(S)               | 1    |
| 59-27    | 43-567   | ストップ°レハ°ー         | LEVER                      | 1    |
| 59-28    | 43-568   | 小チャンホ°ンナット        | NUT                        | 1    |
| 59-29    | 47-803   | ルーハ°ー系道           | THREAD EYELET              | 3    |
| 59-30    | 75-224   | ワッシャ              | WASHER                     | 1    |
| 59-31    | 75-455   | ワッシャ              | WASHER                     | 3    |
| 59-32    | 79-532   | 前ハ°ースカハ°ー止めハ°ネ    | SPRING                     | 1    |
| 59-33    | 79-534   | ハ°ネ               | SPRING                     | 1    |
| 59-34    | 79-564   | レハ°ーハ°ネ           | SPRING                     | 1    |
| 59-35    | 79-565   | 押しハ°ネ             | SPRING                     | 1    |
| 59-36    | 84-163   | ネジ°               | SCREW                      | 2    |
| 59-37    | 84-167   | ネジ°               | SCREW                      | 2    |
| 59-38    | 84-361   | ネジ°               | SCREW                      | 2    |
| 59-39    | 84-363   | ネジ°               | SCREW                      | 1    |
| 59-40    | 84-396   | 段ネジ°              | SCREW                      | 1    |
| 59-41    | 84-462   | ネジ°               | SCREW                      | 2    |
| 59-42    | 84-572   | ネジ°               | SCREW                      | 2    |
| 59-43    | 84-574   | ネジ°               | SCREW                      | 3    |
| 59-44    | 85-182   | ネジ°               | SCREW                      | 2    |
| 59-45    | 87-123   | 六角穴付きボルト          | BOLT                       | 1    |
| 59-46    | 87-177   | 六角穴付きボルト          | BOLT                       | 1    |
| 59-47    | 87-214   | 六角穴付きボルト          | BOLT                       | 1    |
| 59-48    | 87-230   | 六角穴付きボルト          | BOLT                       | 2    |
| 59-49    | 87-268   | カハ°ーストップ°ネジ°      | SCREW                      | 1    |
| 59-50    | 87-269   | ネジ°               | SCREW                      | 2    |
| 59-51    | 87-272   | ネジ°               | SCREW                      | 4    |
| 59-52    | 87-322   | ネジ°               | SCREW                      | 2    |
| 59-53    | 87-334   | レハ°ー止めネジ°         | SCREW                      | 1    |
| 59-54    | 87-482   | プラマイナベ小ねじ         | SCREW                      | 1    |
| 59-55    | 87-483   | プラマイナベ小ねじ         | SCREW                      | 1    |
| 59-56    | 87-485   | プラマイナベ小ねじ         | SCREW                      | 2    |
| 59-57    | 93-201   | Eリング              | E-RING                     | 2    |
| 59-58    | 40-5630  | 下糸捌きセット           | LOOPER THREAD EYELET ASS'Y | 1    |

60. NW8803G-1S 糸道関係 THREAD CONTROL MECHANISM

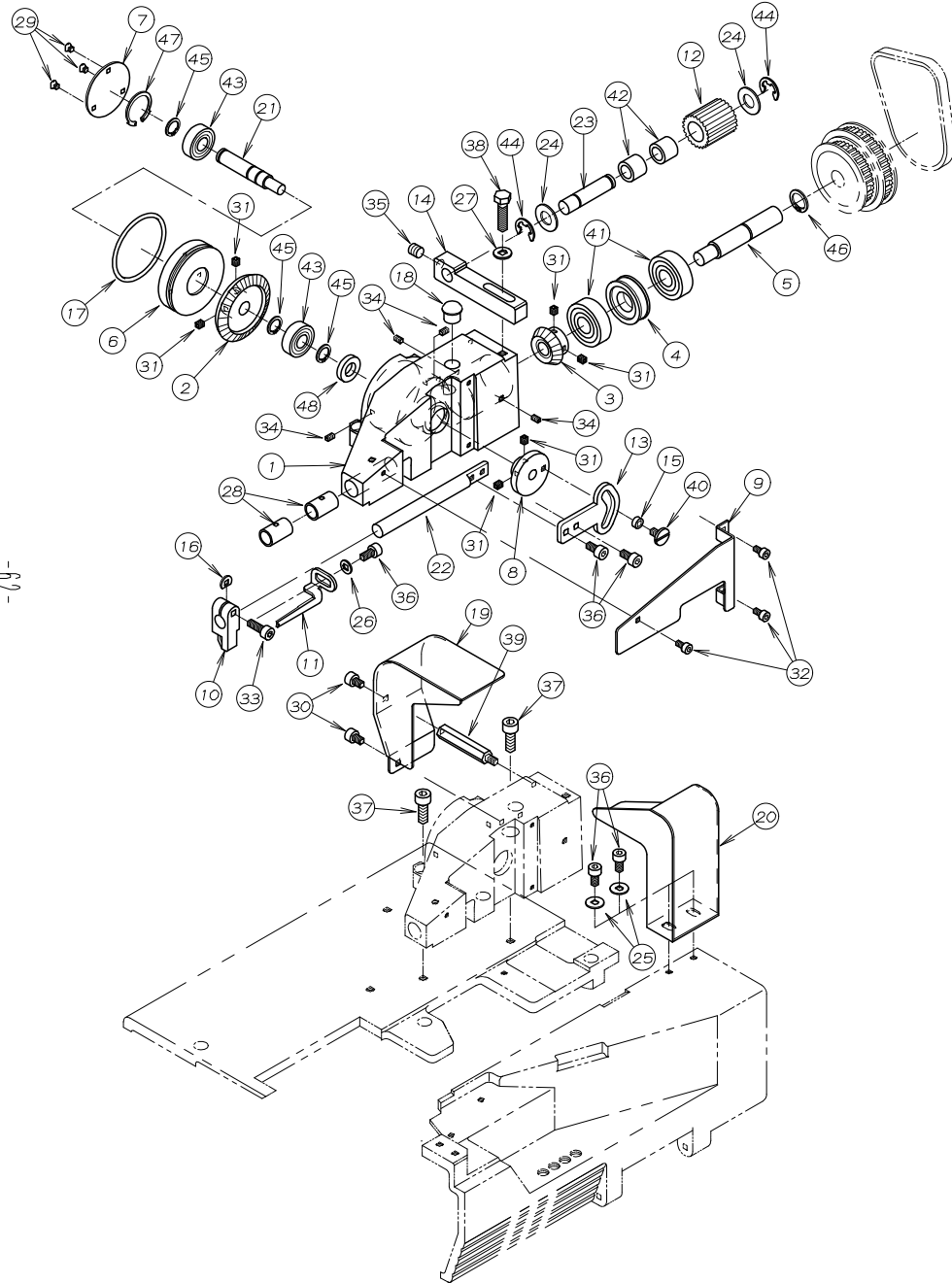
8803G-1S

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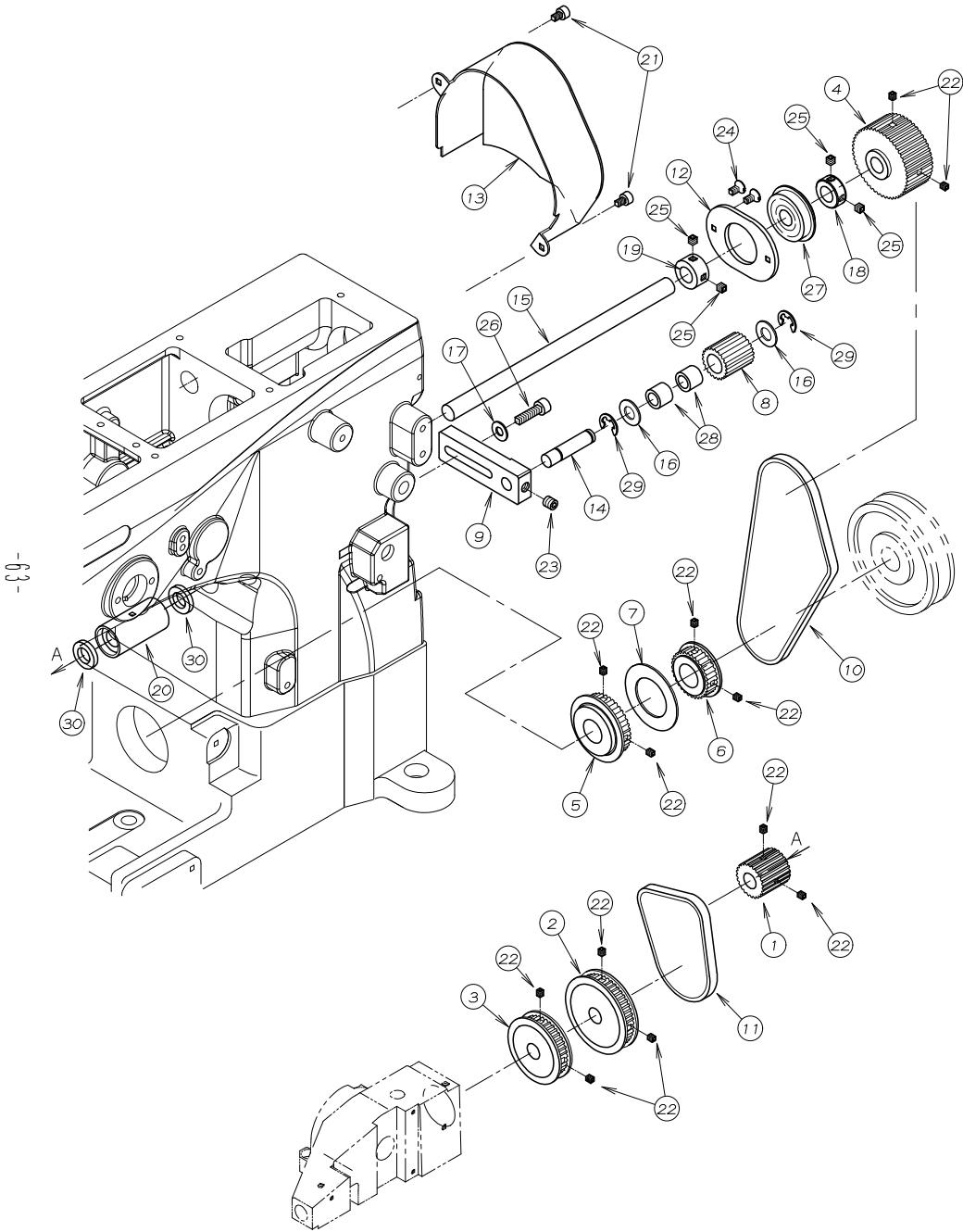
| REF. NO. | PART NO. | 品 名          | DESCRIPTION            | Q' TY |
|----------|----------|--------------|------------------------|-------|
| 60-01    | 27-302   | シリコンタンク      | SILICONE OIL RESERVOIR | 1     |
| 60-02    | 27-533   | シリコンタンクフタ    | COVER                  | 1     |
| 60-03    | 27-534   | フェルト         | FELT                   | 1     |
| 60-04    | 41-021   | カメ糸道         | THREAD NIPPER          | 1     |
| 60-05    | 41-022   | 小調子台         | THREAD GUIDE BRACKET   | 1     |
| 60-06    | 41-155   | チャンホ°ン皿      | DISC                   | 2     |
| 60-07    | 41-504   | 調子棒          | TENSION POST           | 1     |
| 60-08    | 41-520   | ブラケット        | BRACKET                | 1     |
| 60-09    | 41-521   | 糸繰めプレート      | THREAD RELEASER        | 1     |
| 60-10    | 41-701   | チャンボン調子バネ(強) | SPRING (HEAVY)         | 4     |
| 60-11    | 41-702   | チャンボン調子バネ(弱) | SPRING (LIGHT)         | 4     |
| 60-12    | 43-568   | 小チャンホ°ンナット   | NUT                    | 1     |
| 60-13    | 45-031   | 糸道           | THREAD EYELET          | 4     |
| 60-14    | 45-033   | 上糸捌き         | THREAD GUIDE           | 1     |
| 60-15    | 45-034   | 補助上糸捌き       | THREAD GUIDE           | 1     |
| 60-16    | 45-036   | 糸道           | THREAD EYELET          | 1     |
| 60-17    | 45-045   | 上糸カ°イト°      | GUIDE                  | 1     |
| 60-18    | 45-502   | 飾り糸捌き        | THREAD TAKE-UP         | 1     |
| 60-19    | 45-507   | 飾り糸捌き糸道      | THREAD EYELET          | 1     |
| 60-20    | 45-508   | 針株小調子板       | PLATE                  | 1     |
| 60-21    | 45-514   | 飾り糸道         | THREAD EYELET          | 1     |
| 60-22    | 45-515   | 飾り糸道         | THREAD EYELET          | 1     |
| 60-23    | 45-535   | 針棒糸道         | THREAD EYELET          | 1     |
| 60-24    | 45-536   | 針糸捌き         | NEEDLE THREAD TAKE-UP  | 1     |
| 60-25    | 45-551   | シリコンタンク糸道    | THREAD EYELET          | 1     |
| 60-26    | 45-553   | ホルタ°ー        | HOLDER                 | 1     |
| 60-27    | 45-560   | 飾り糸案内        | THREAD GUIDE           | 1     |
| 60-28    | 45-561   | 飾り糸案内        | THREAD GUIDE BRACKET   | 1     |
| 60-29    | 45-567   | 糸ガイド         | THREAD GUIDE           | 1     |
| 60-30    | 45-568   | 糸ガイド糸道       | THREAD EYELET          | 1     |
| 60-31    | 45-569   | 糸ガイド糸道       | THREAD EYELET          | 1     |
| 60-32    | 47-803   | ルーハ°ー糸道      | THREAD EYELET          | 1     |
| 60-33    | 67-502   | 針糸捌き取付台      | LEVER                  | 1     |
| 60-34    | 71-202   | シリコンタンク用ヒ°ン  | SILICONE PIN           | 2     |
| 60-35    | 75-441   | ワッシャ         | WASHER                 | 1     |
| 60-36    | 75-455   | ワッシャ         | WASHER                 | 4     |
| 60-37    | 75-526   | スフ°リンク° ワッシャ | SPRING WASHER          | 1     |
| 60-38    | 79-025   | カメ糸道バネ       | SPRING                 | 1     |
| 60-39    | 79-534   | ハ°ネ          | SPRING                 | 1     |
| 60-40    | 84-021   | ハ°ネカ°イト°ネジ°  | SCREW                  | 1     |
| 60-41    | 84-374   | ネジ°          | SCREW                  | 1     |
| 60-42    | 87-093   | ネジ°          | SCREW                  | 1     |
| 60-43    | 87-096   | ネジ°          | SCREW                  | 1     |
| 60-44    | 87-099   | ネジ°          | SCREW                  | 2     |
| 60-45    | 87-100   | 六角穴付きボルト     | BOLT                   | 1     |
| 60-46    | 87-104   | ネジ°          | SCREW                  | 5     |
| 60-47    | 87-224   | 六角穴付きボルト     | BOLT                   | 1     |
| 60-48    | 87-269   | ネジ°          | SCREW                  | 1     |
| 60-49    | 87-272   | ネジ°          | SCREW                  | 2     |
| 60-50    | 87-372   | タッピングネジ      | SCREW                  | 2     |
| 60-51    | 87-476   | プラマイナベ小ねじ    | SCREW                  | 4     |
| 60-52    | 87-481   | プラマイナベ小ねじ    | SCREW                  | 4     |
| 60-53    | 87-482   | プラマイナベ小ねじ    | SCREW                  | 6     |

61. NW8803G-1S 駆動機構 (1) DRIVE MECHANISM (1)



| REF. NO. | PART NO. | 品 名         | DESCRIPTION      | Q' TY |
|----------|----------|-------------|------------------|-------|
| 61-01    | 04-055   | ギヤボックス      | GEAR BOX         | 1     |
| 61-02    | 04-056   | すぐばかさ歯車大    | GEAR             | 1     |
| 61-03    | 04-057   | すぐばかさ歯車小    | GEAR             | 1     |
| 61-04    | 04-058   | スペーサー       | SPACE BUSHING    | 1     |
| 61-05    | 04-059   | フーリーシャフト    | SHAFT            | 1     |
| 61-06    | 04-060   | 軸受け         | HOUSING          | 1     |
| 61-07    | 04-061   | エンドカバー      | END COVER        | 1     |
| 61-08    | 04-062   | クランク        | CRANK            | 1     |
| 61-09    | 04-063   | ギヤボックスカバー   | GEAR BOX COVER   | 1     |
| 61-10    | 04-064   | ブラケット       | BRACKET          | 1     |
| 61-11    | 04-065   | スカラ爪        | NAIL             | 1     |
| 61-12    | 04-078   | アイトラフーリー    | AIDLER           | 1     |
| 61-13    | 04-082   | 連結プレート      | CONNECTING PLATE | 1     |
| 61-14    | 04-162   | アイトラフーリー軸受  | BRACKET          | 1     |
| 61-15    | 05-430   | ガイドローラー (小) | GUIDE ROLLER (S) | 1     |
| 61-16    | 06-375   | スペーサー       | WASHER           | 1     |
| 61-17    | 23-060   | Oリング S38    | O-RING           | 1     |
| 61-18    | 23-501   | コム栓         | PLUG             | 1     |
| 61-19    | 27-371   | フーリーカバー内    | PULLEY COVER     | 1     |
| 61-20    | 27-372   | フーリーカバー内    | PULLEY COVER     | 1     |
| 61-21    | 71-048   | メインシャフト     | SHAFT            | 1     |
| 61-22    | 71-049   | スライドシャフト    | SLIDE SHAFT      | 1     |
| 61-23    | 71-050   | アイトラフーリー軸   | SHAFT            | 1     |
| 61-24    | 75-180   | ワッシャ        | WASHER           | 2     |
| 61-25    | 75-455   | ワッシャ        | WASHER           | 2     |
| 61-26    | 75-468   | ワッシャ        | WASHER           | 1     |
| 61-27    | 75-520   | ワッシャ        | WASHER           | 1     |
| 61-28    | 81-558   | ブッシュ        | BUSHING          | 2     |
| 61-29    | 84-193   | ネジ          | SCREW            | 3     |
| 61-30    | 87-092   | 六角穴付きボルト    | BOLT             | 2     |
| 61-31    | 87-106   | ネジ          | SCREW            | 6     |
| 61-32    | 87-123   | 六角穴付きボルト    | BOLT             | 3     |
| 61-33    | 87-129   | 六角穴付きボルト    | BOLT             | 1     |
| 61-34    | 87-139   | ネジ          | SCREW            | 4     |
| 61-35    | 87-172   | ネジ          | SCREW            | 1     |
| 61-36    | 87-177   | 六角穴付きボルト    | BOLT             | 5     |
| 61-37    | 87-224   | 六角穴付きボルト    | BOLT             | 2     |
| 61-38    | 87-386   | 六角ボルト       | BOLT             | 1     |
| 61-39    | 87-387   | 支柱ネジ        | SCREW            | 1     |
| 61-40    | 87-414   | ネジ          | SCREW            | 1     |
| 61-41    | 91-110   | ボールベアリング    | BALL BEARING     | 2     |
| 61-42    | 91-113   | ニードルベアリング   | NEEDLE BEARING   | 2     |
| 61-43    | 91-891   | ボールベアリング    | BALL BEARING     | 2     |
| 61-44    | 93-221   | ストップリング     | E-RING           | 2     |
| 61-45    | 93-227   | 軸用丸S形止め輪    | SNAP RING        | 3     |
| 61-46    | 93-228   | 軸用丸S形止め輪    | SNAP RING        | 1     |
| 61-47    | 93-237   | 穴用丸R形止め輪    | SNAP RING        | 1     |
| 61-48    | 94-805   | オイルシール      | OIL SEAL         | 1     |

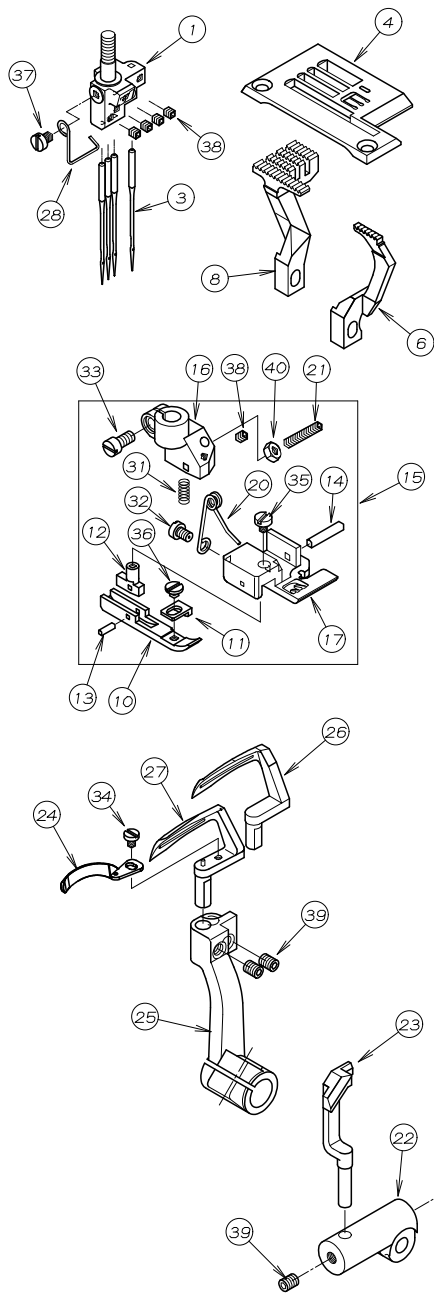
62. NW8803G-1S 駆動機構 (2) DRIVE MECHANISM (2)



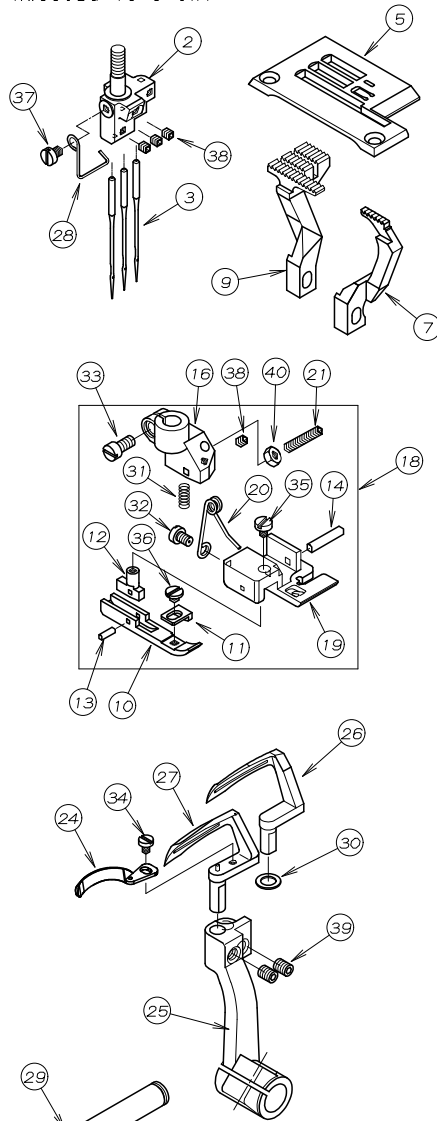
| REF. NO. | PART NO. | 品 名             | DESCRIPTION    | Q'TY |
|----------|----------|-----------------|----------------|------|
| 62-01    | 04-066   | タイミング フォーリー     | TIMMING PULLEY | 1    |
| 62-02    | 04-067   | タイミング フォーリー     | TIMMING PULLEY | 1    |
| 62-03    | 04-069   | タイミング フォーリー     | TIMMING PULLEY | 1    |
| 62-04    | 04-072   | タイミング フォーリー     | TIMMING PULLEY | 1    |
| 62-05    | 04-073   | タイミング フォーリー     | TIMMING PULLEY | 1    |
| 62-06    | 04-074   | タイミング フォーリー     | TIMMING PULLEY | 1    |
| 62-07    | 04-076   | フランジ            | FLANGE         | 1    |
| 62-08    | 04-078   | アイト ラフ フォーリー    | AIDLER         | 1    |
| 62-09    | 04-161   | アイト ラフ フォーリー 軸受 | BRACKET        | 1    |
| 62-10    | 04-163   | タイミング ヘルツ       | TIMMING BELT   | 1    |
| 62-11    | 04-164   | タイミング ヘルツ       | TIMMING BELT   | 1    |
| 62-12    | 25-105   | ベアリング止め板        | SET PLATE      | 1    |
| 62-13    | 27-370   | フォーリー カハ ー外     | PULLEY COVER   | 1    |
| 62-14    | 71-050   | アイト ラフ フォーリー 軸  | SHAFT          | 1    |
| 62-15    | 71-057   | タイミング フォーリー 軸   | SHAFT          | 1    |
| 62-16    | 75-180   | ワッシャ            | WASHER         | 2    |
| 62-17    | 75-453   | ワッシャ            | WASHER         | 1    |
| 62-18    | 75-537   | カラー             | COLLAR         | 1    |
| 62-19    | 75-562   | カラー             | COLLAR         | 1    |
| 62-20    | 81-054   | フォーリー 軸ブッシュ     | BUSHING        | 1    |
| 62-21    | 87-092   | 六角穴付きボルト        | BOLT           | 2    |
| 62-22    | 87-106   | ネジ              | SCREW          | 12   |
| 62-23    | 87-172   | ネジ              | SCREW          | 1    |
| 62-24    | 87-249   | ネジ              | SCREW          | 2    |
| 62-25    | 87-274   | ネジ              | SCREW          | 4    |
| 62-26    | 87-291   | 六角穴付きボルト        | BOLT           | 1    |
| 62-27    | 91-108   | ボールベアリング        | BEARING        | 1    |
| 62-28    | 91-113   | ニードルベアリング       | NEEDLE BEARING | 2    |
| 62-29    | 93-221   | ストップ リング        | E-RING         | 2    |
| 62-30    | 94-222   | オイルシール          | OIL SEAL       | 2    |

# 63. NW8803G-1S ゲージ関係 GAUGE PARTS

NW8803G-1S-7/32X4



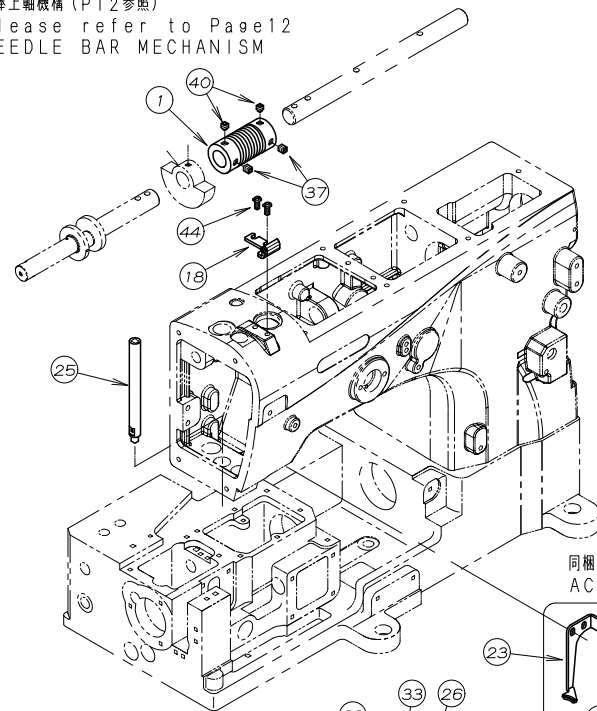
NW8802G-1S-3.5X4



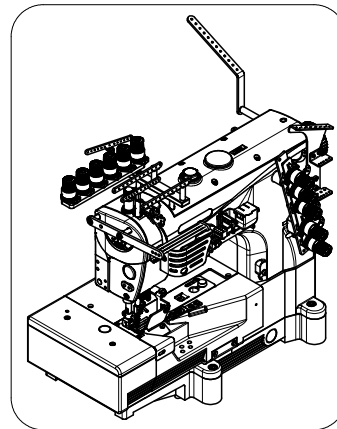
| REF.NO. | PART NO.  | 品 名               | DESCRIPTION        | Q'TY |
|---------|-----------|-------------------|--------------------|------|
| 63-01   | 12-836    | 針株7/32-4 (4本針)    | NEEDLE HOLDER      | 1    |
| 63-02   | 12-837    | 針株3.5-4 (3本針)     | NEEDLE HOLDER      | 1    |
| 63-03   | 13-0110-6 | 針 (UYX128GAS #11) | NEEDLE             | ※    |
| 63-04   | 14-783    | 針板                | NEEDLE PLATE       | 1    |
| 63-05   | 14-792    | 針板                | NEEDLE PLATE       | 1    |
| 63-06   | 15-811    | 前送歯               | FRONT FEED DOG     | 1    |
| 63-07   | 15-813    | 前送歯               | FRONT FEED DOG     | 1    |
| 63-08   | 15-848    | 後送歯               | FEED DOG           | 1    |
| 63-09   | 15-850    | 後送歯               | FEED DOG           | 1    |
| 63-10   | 17-1760-C | 押えカイト足            | GUIDE BRACKET      | 1    |
| 63-11   | 17-1760-K | テープカイト            | TAPE GUIDE         | 1    |
| 63-12   | 17-1760-L | カイト足金具            | GUIDE PIN          | 1    |
| 63-13   | 17-7760-D | ピン                | PIN                | 1    |
| 63-14   | 17-7760-E | ピン                | PIN                | 1    |
| 63-15   | 17-7910-1 | 押えセット (7/32-5/32) | PRESSER FOOT ASS'Y | 1    |
| 63-16   | 17-7910-A | 押えホース             | SHANK              | 1    |
| 63-17   | 17-7910-B | 押え足               | BOTTOM             | 1    |
| 63-18   | 17-7990-1 | 押えセット (3.5-4)     | PRESSER FOOT ASS'Y | 1    |
| 63-19   | 17-7990-B | 押え足               | BOTTOM             | 1    |
| 63-20   | 17-8260-F | 押え足金具ハネ           | SPRING             | 1    |
| 63-21   | 17-8910-C | ネジ                | SCREW              | 1    |
| 63-22   | 18-809    | 針受取付台             | NEEDLE GUARD BASE  | 1    |
| 63-23   | 18-810    | 針受け               | NEEDLE GUARD       | 1    |
| 63-24   | 19-116    | 補助ルーハ             | NEEDLE GUIDE       | 1    |
| 63-25   | 19-537    | ルーハ台              | LOOPER HOLDER      | 1    |
| 63-26   | 19-538    | 後ルーハ              | REAR LOOPER        | 1    |
| 63-27   | 19-539    | ルーパ               | LOOPER             | 1    |
| 63-28   | 45-562    | 針株系道              | THREAD GUIDE BAR   | 1    |
| 63-29   | 71-659    | 針受け軸              | SHAFT NEEDLE GUARD | 1    |
| 63-30   | 75-533    | 後ルーハ用平座金          | WASHER             | 1    |
| 63-31   | 79-191    | ハネ                | SPRING             | 1    |
| 63-32   | 84-161    | ネジ                | SCREW              | 1    |
| 63-33   | 84-382    | ネジ                | SCREW              | 1    |
| 63-34   | 85-618    | ネジ                | SCREW              | 1    |
| 63-35   | 85-621    | ネジ                | SCREW              | 1    |
| 63-36   | 87-077    | ネジ                | SCREW              | 1    |
| 63-37   | 87-095    | ネジ                | SCREW              | 1    |
| 63-38   | 87-104    | ネジ                | SCREW              | 4 5  |
| 63-39   | 87-181    | ネジ                | SCREW              | 3    |
| 63-40   | 88-136    | ナット               | NUT                | 1    |

# 64. NW3303GFMM 専用部品 EXCLUSIVE PARTS

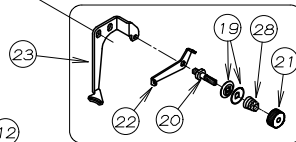
針棒上軸機構 (P12参照)  
Please refer to Page12  
NEEDLE BAR MECHANISM



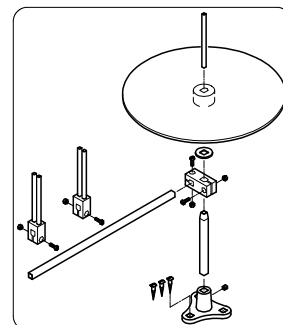
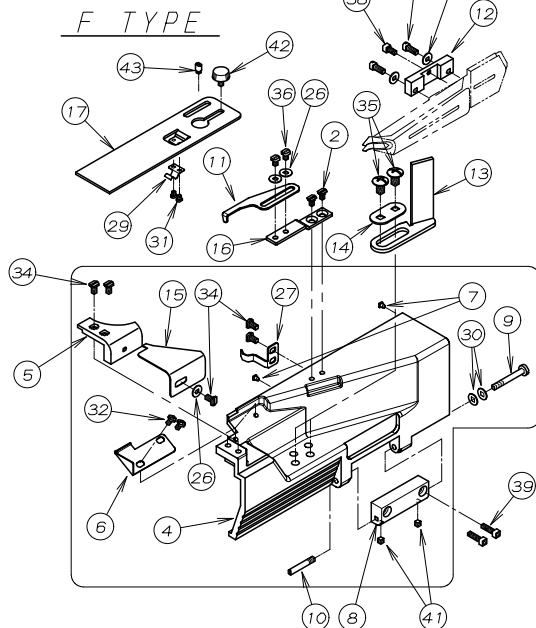
NW8803GFMM



同梱部品  
ACCESSOR BOX



同梱部品  
ACCESSOR BOX

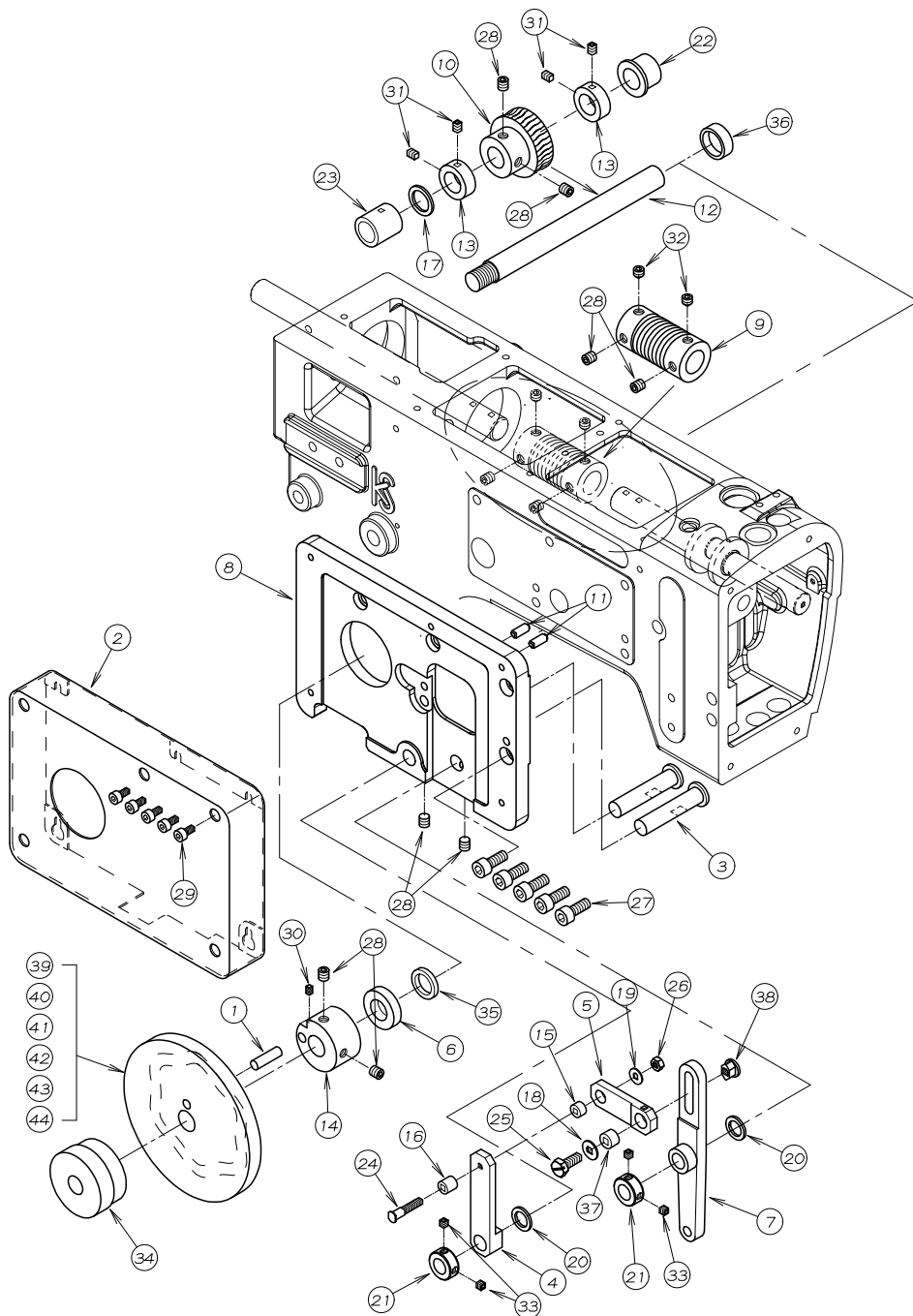


Only Available By Set No.  
本部品はセットで補給いたします。

| REF. NO. | PART NO. | 品 名            | DESCRIPTION         | Q'TY |
|----------|----------|----------------|---------------------|------|
| 64-01    | 04-165   | ウォーム           | WORM                | 1    |
| 64-02    | 05-074   | ネジ             | SCREW               | 2    |
| 64-03    | 20-6150  | テープ カ イト セット   | TAPE GUIDE ASSEMBLY | 1    |
| 64-04    | 21-821W  | 前カバー           | FRONT COVER         | 1    |
| 64-05    | 21-822   | 前カバー (小)       | FRONT COVER (S)     | 1    |
| 64-06    | 21-986   | 防塵カバー          | DUSTPROOF COVER     | 1    |
| 64-07    | 23-512   | クッションゴム        | CUSHION RUBBER      | 2    |
| 64-08    | 25-516W  | 定規台ヒンジ         | HINGE               | 1    |
| 64-09    | 25-517   | ヒンジ ネジ         | SCREW               | 1    |
| 64-10    | 25-527   | カバーヒンジ ネジ      | SCREW               | 1    |
| 64-11    | 26-008   | テープガイド         | GUIDE               | 1    |
| 64-12    | 26-724   | F用ラッパ 抱き       | FOLDER BASE FOR F   | 1    |
| 64-13    | 26-821   | F用ラッパ 取付台      | FOLDER BASE         | 1    |
| 64-14    | 26-822   | ラッパ 取付金具       | PLATE               | 1    |
| 64-15    | 26-823   | F用前定規          | GUIDE PLATE FOR F   | 1    |
| 64-16    | 26-835   | テープガイド取付台 (F用) | GUIDE SUPPORT       | 1    |
| 64-17    | 27-167   | 前ベースカバー        | FRONT BASE COVER    | 1    |
| 64-18    | 27-391   | 上糸捌き補助フ ラケット   | BRACKET             | 1    |
| 64-19    | 41-155   | チャンホ ン皿        | DISC                | 2    |
| 64-20    | 41-504   | 調子棒            | TENSION POST        | 1    |
| 64-21    | 43-568   | 小チャンホ ンナット     | NUT                 | 1    |
| 64-22    | 45-036   | 糸道             | THREAD EYELET       | 1    |
| 64-23    | 45-539   | 飾り糸案内          | BRACKET             | 1    |
| 64-24    | 69-851   | φ50モータプ ーリー    | φ50MOTOR PULLEY     | 1    |
| 64-25    | 71-568   | 押え棒            | PRESSER FOOT BAR    | 1    |
| 64-26    | 75-455   | ワッシャ           | WASHER              | 5    |
| 64-27    | 79-530   | 前カバー 止めハ ネ     | SPRING              | 1    |
| 64-28    | 79-534   | ハ ネ            | SPRING              | 1    |
| 64-29    | 79-801   | ハ ネ            | SPRING              | 1    |
| 64-30    | 79-922   | 皿ハ ネ           | SPRING              | 2    |
| 64-31    | 84-167   | ネジ             | SCREW               | 2    |
| 64-32    | 84-361   | ネジ             | SCREW               | 2    |
| 64-33    | 84-572   | ネジ             | SCREW               | 2    |
| 64-34    | 84-574   | ネジ             | SCREW               | 5    |
| 64-35    | 85-182   | ネジ             | SCREW               | 2    |
| 64-36    | 87-098   | ネジ             | SCREW               | 2    |
| 64-37    | 87-172   | ネジ             | SCREW               | 2    |
| 64-38    | 87-177   | 六角穴付きボルト       | BOLT                | 1    |
| 64-39    | 87-214   | 六角穴付きボルト       | BOLT                | 2    |
| 64-40    | 87-259   | ネジ             | SCREW               | 2    |
| 64-41    | 87-274   | ネジ             | SCREW               | 2    |
| 64-42    | 87-292   | 調節ネジ           | SCREW               | 1    |
| 64-43    | 87-423   | 段ネジ            | SCREW               | 1    |
| 64-44    | 87-482   | プラマイナベ小ねじ      | SCREW               | 2    |

65. MM 飾ルパー機構 (1) SPREADER MECHANISM (1)

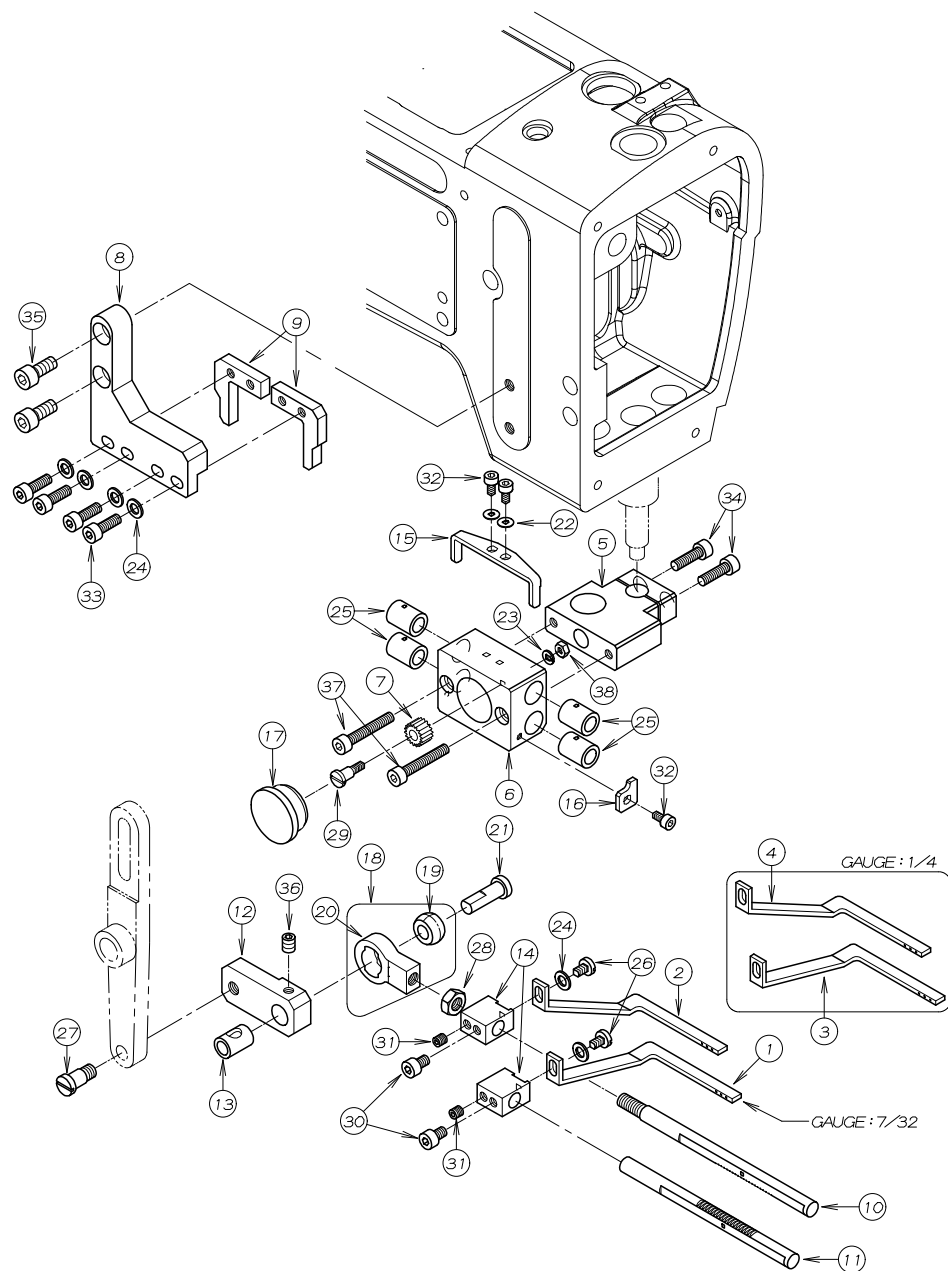
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| REF. NO. | PART NO. | 品 名        | DESCRIPTION          | Q' TY |
|----------|----------|------------|----------------------|-------|
| 65-01    | 04-008   | カムカラーピン    | PIN                  | 1     |
| 65-02    | 04-020   | ヘースカバー     | COVER                | 1     |
| 65-03    | 04-021   | カムレバーシャフト  | SHAFT                | 2     |
| 65-04    | 04-022   | カムリンクレバー   | CAM LEVER            | 1     |
| 65-05    | 04-023   | カム連結リンク    | LINK                 | 1     |
| 65-06    | 04-042   | カムスヘーサー    | SPACER               | 1     |
| 65-07    | 04-044   | 断り糸振りレバー   | SPREADER DRIVE LEVER | 1     |
| 65-08    | 04-159   | カム取付ヘース    | BASE BRACKET         | 1     |
| 65-09    | 04-165   | ウォーム       | WORM                 | 1     |
| 65-10    | 04-166   | ウォームホイール   | WORM WHEEL           | 1     |
| 65-11    | 71-208   | ノックピン      | PIN                  | 2     |
| 65-12    | 71-763   | カムシャフト     | SHAFT                | 1     |
| 65-13    | 75-112   | カラー        | COLLAR               | 2     |
| 65-14    | 75-182   | カムカラー-B    | CAM COLLAR (B)       | 1     |
| 65-15    | 75-257   | カム連結ローラー   | LINK ROLLER          | 1     |
| 65-16    | 75-260   | ローラー       | ROLLER               | 1     |
| 65-17    | 75-332   | ワッシャ       | WASHER               | 1     |
| 65-18    | 75-453   | ワッシャ       | WASHER               | 1     |
| 65-19    | 75-455   | ワッシャ       | WASHER               | 1     |
| 65-20    | 75-504   | ワッシャ       | WASHER               | 2     |
| 65-21    | 75-537   | カラー        | COLLAR               | 2     |
| 65-22    | 81-579   | カムシャフトブッシュ | BUSHING              | 1     |
| 65-23    | 81-690   | ブッシュ       | BUSHING              | 1     |
| 65-24    | 84-607   | ネジ         | SCREW                | 1     |
| 65-25    | 84-812   | ネジ         | SCREW                | 1     |
| 65-26    | 86-311   | ナット        | NUT                  | 1     |
| 65-27    | 87-171   | 六角穴付きボルト   | BOLT                 | 5     |
| 65-28    | 87-172   | ネジ         | SCREW                | 8     |
| 65-29    | 87-177   | 六角穴付きボルト   | BOLT                 | 5     |
| 65-30    | 87-181   | ネジ         | SCREW                | 1     |
| 65-31    | 87-254   | ネジ         | SCREW                | 4     |
| 65-32    | 87-259   | ネジ         | SCREW                | 2     |
| 65-33    | 87-274   | ネジ         | SCREW                | 4     |
| 65-34    | 88-462   | カム固定ナット    | NUT                  | 1     |
| 65-35    | 94-214   | オイルシール     | OIL SEAL             | 1     |
| 65-36    | 94-506   | オイルシール     | OIL SEAL             | 1     |
| 65-37    | 98-573   | ブッシュ       | BUSHING              | 1     |
| 65-38    | 98-597   | ナット        | NUT                  | 1     |
| 65-39    | 04-357   | カムNo. 7    | CAM No. 7            | 1     |
| 65-40    | 04-358   | カムNo. 8    | CAM No. 8            | 1     |
| 65-41    | 04-359   | カムNo. 9    | CAM No. 9            | 1     |
| 65-42    | 04-360   | カムNo. 10   | CAM No. 10           | 1     |
| 65-43    | 04-362   | カムNo. 12   | CAM No. 12           | 1     |
| 65-44    | 04-363   | カムNo. 13   | CAM No. 13           | 1     |

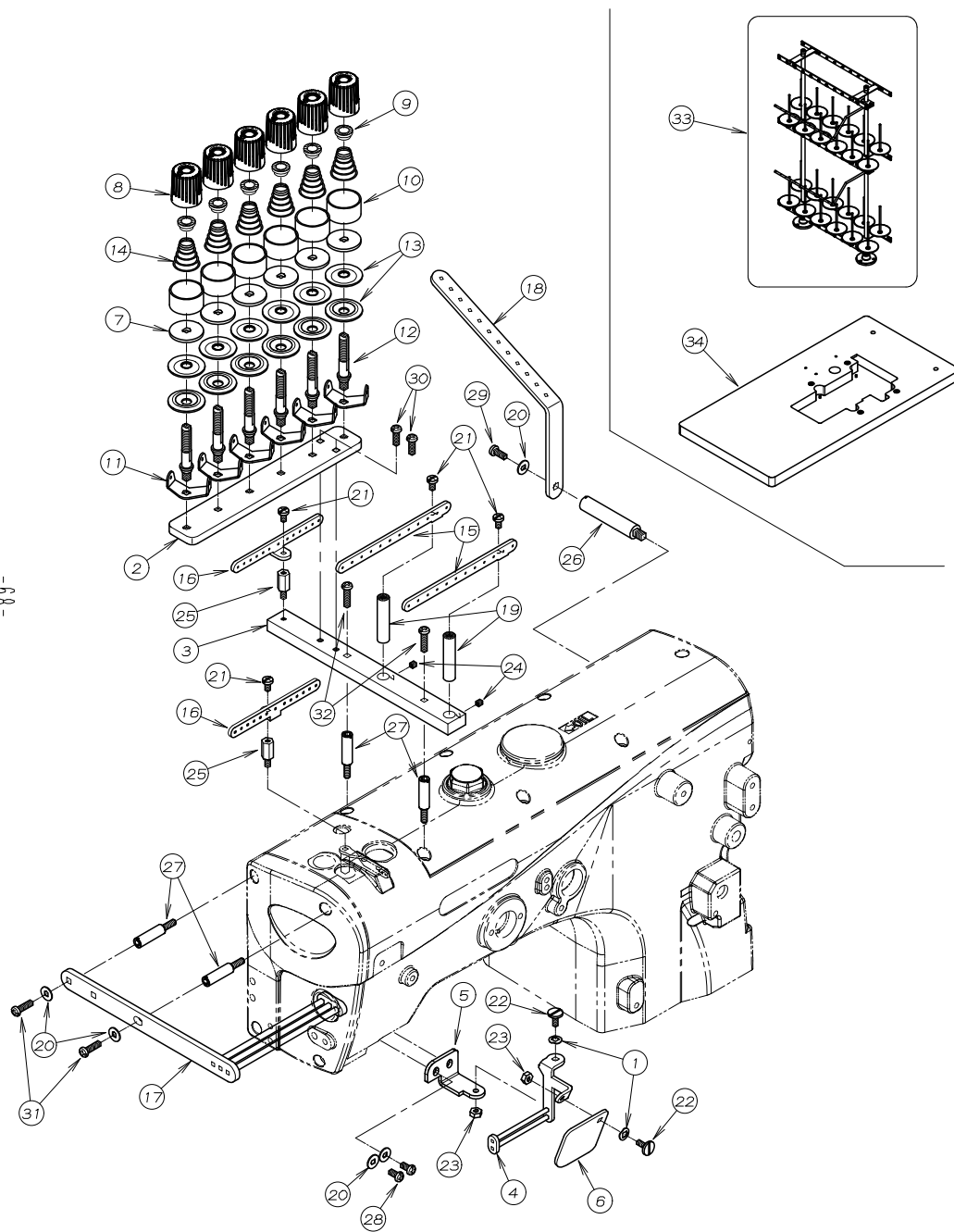
# 66. MM 飾ル-パー機構 (2) SPREADER MECHANISM (2)

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| REF. NO. | PART NO. | 品 名               | DESCRIPTION           | Q' TY |
|----------|----------|-------------------|-----------------------|-------|
| 66-01    | 04-027   | 飾り糸ル-ハ°-下右 (7/32) | SPREADER 7/32 (LOWER) | 1     |
| 66-02    | 04-028   | 飾り糸ル-ハ°-上右 (7/32) | SPREADER 7/32 (UPPER) | 1     |
| 66-03    | 04-029   | 飾り糸ル-ハ°-下右 (1/4)  | SPREADER 1/4 (LOWER)  | 1     |
| 66-04    | 04-030   | 飾り糸ル-ハ°-上右 (1/4)  | SPREADER 1/4 (UPPER)  | 1     |
| 66-05    | 04-031   | 丸ラック用フ°ラケット       | BRACKET               | 1     |
| 66-06    | 04-032   | ラックハウシ°ング°        | RACK HOUSING          | 1     |
| 66-07    | 04-033   | ヒ°ニオンキ°ヤ°         | GEAR                  | 1     |
| 66-08    | 04-034   | カ°イト°フ°ラケット       | GUIDE BRACKET         | 1     |
| 66-09    | 04-035   | カ°イト°フ°レート        | GUIDE PLATE           | 2     |
| 66-10    | 04-036   | 丸ラック              | RACK                  | 1     |
| 66-11    | 04-037   | 丸ラック              | RACK                  | 1     |
| 66-12    | 04-038   | 飾糸振りリンク           | LINK                  | 1     |
| 66-13    | 04-039   | フ°ツッシュ            | BUSHING               | 1     |
| 66-14    | 04-043   | 飾り糸ル-ハ°-取付台       | SPREADER HOLDER       | 2     |
| 66-15    | 04-045   | 回り止め              | STOPPER               | 1     |
| 66-16    | 04-046   | 回り止め              | STOPPER               | 1     |
| 66-17    | 23-427   | コ°ム栓              | PLUG                  | 1     |
| 66-18    | 60-8080  | 連結ロッドセット          | CONNECTING ROD ASS'Y  | 1     |
| 66-19    | 61-809   | 連結ロッド玉            | BALL JOINT            | 1     |
| 66-20    | 63-808   | 連結ロッド (右)         | CONNECTING ROD        | 1     |
| 66-21    | 71-809   | 連結ヒ°ン             | PIN                   | 1     |
| 66-22    | 75-441   | ワッシャ              | WASHER                | 2     |
| 66-23    | 75-445   | スフ°リング°ワッシャ       | SPRING WASHER         | 1     |
| 66-24    | 75-468   | ワッシャ              | WASHER                | 6     |
| 66-25    | 81-141   | ブツシュ              | BUSHING               | 4     |
| 66-26    | 84-361   | ネシ°               | SCREW                 | 2     |
| 66-27    | 84-653   | ネシ°               | SCREW                 | 1     |
| 66-28    | 86-411   | ナット               | NUT                   | 1     |
| 66-29    | 87-068   | 段ネシ°              | SCREW                 | 1     |
| 66-30    | 87-092   | 六角穴付きボルト          | BOLT                  | 2     |
| 66-31    | 87-106   | ネジ                | SCREW                 | 2     |
| 66-32    | 87-123   | 六角穴付きボルト          | BOLT                  | 3     |
| 66-33    | 87-129   | 六角穴付きボルト          | BOLT                  | 4     |
| 66-34    | 87-214   | 六角穴付きボルト          | BOLT                  | 2     |
| 66-35    | 87-252   | 六角穴付きボルト          | BOLT                  | 2     |
| 66-36    | 87-254   | ネシ°               | SCREW                 | 1     |
| 66-37    | 87-285   | 六角穴付きボルト          | BOLT                  | 2     |
| 66-38    | 88-137   | ナット               | NUT                   | 1     |

# 67. MM 糸調子機構 (3) THREAD TENSION MECHANISM (3)

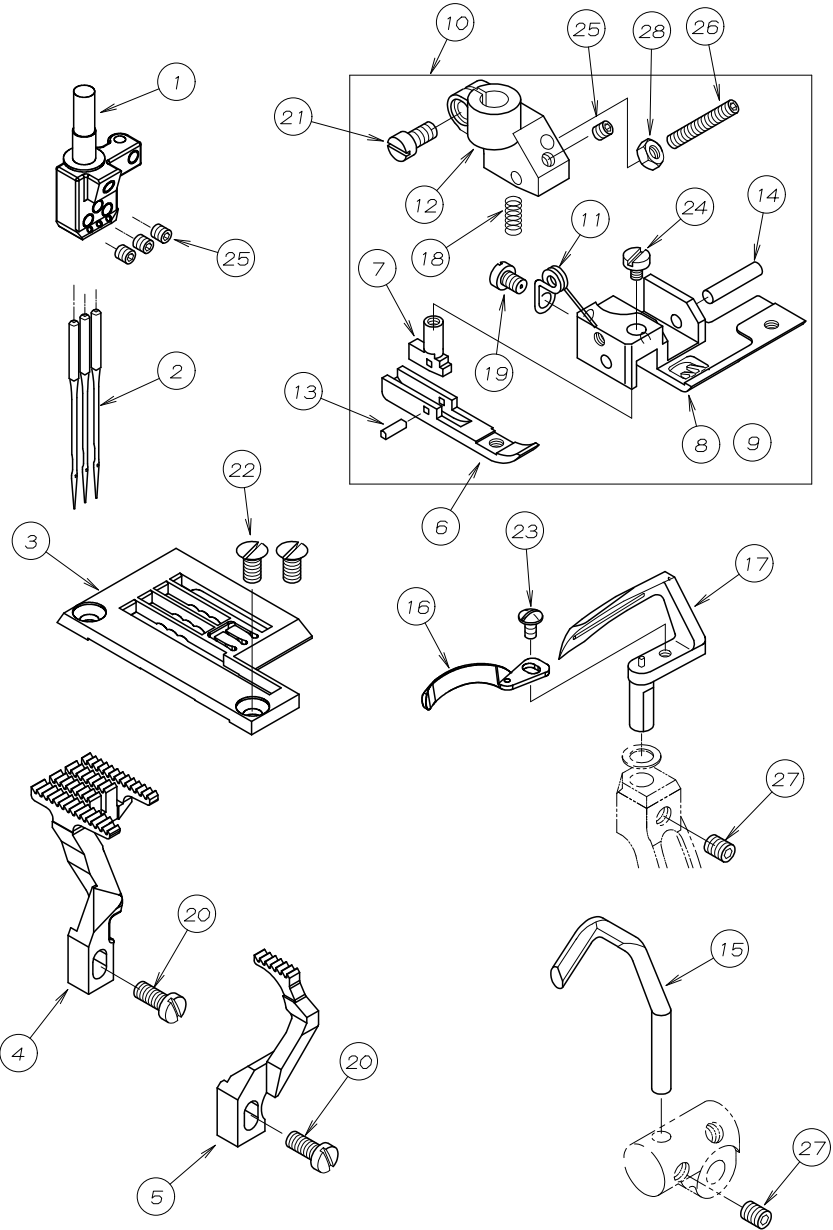


| REF. NO. | PART NO. | 品 名           | DESCRIPTION                      | Q' TY |
|----------|----------|---------------|----------------------------------|-------|
| 67-01    | 02-118   | 波ワッシャ         | WASHER                           | 2     |
| 67-02    | 04-015   | 飾り用チャンポン台     | PLATE                            | 1     |
| 67-03    | 04-016   | 飾り下捌き土台       | BRACKET                          | 1     |
| 67-04    | 04-018   | 飾り案内糸道        | THREAD GUIDE                     | 1     |
| 67-05    | 04-167   | 飾り案内糸道取付台     | PLATE                            | 1     |
| 67-06    | 21-626   | 保護カバー         | COVER                            | 1     |
| 67-07    | 23-324   | フェルト          | FELT                             | 6     |
| 67-08    | 41-104   | チャンポン皿小ケース    | THREAD TENSION NUT               | 6     |
| 67-09    | 41-105   | チャンポン皿ラチェット   | SPRING POST                      | 6     |
| 67-10    | 41-106   | チャンポン皿大ケース    | SPRING CUP                       | 6     |
| 67-11    | 41-115   | 糸道 (上)        | THREAD GUIDE                     | 6     |
| 67-12    | 41-508   | 調子棒 (中)       | SCREW STUD                       | 6     |
| 67-13    | 41-509   | チャンポン皿        | TENSION DISC                     | 12    |
| 67-14    | 41-702   | チャンポン調子バネ (弱) | SPRING (LIGHT)                   | 6     |
| 67-15    | 45-342   | 糸道            | THREAD EYELET                    | 2     |
| 67-16    | 45-344   | 糸道            | THREAD EYELET                    | 2     |
| 67-17    | 45-345   | 飾り糸ガイド        | GUIDE THREAD                     | 1     |
| 67-18    | 47-176   | 糸道下           | THREAD EYELET                    | 1     |
| 67-19    | 71-370   | 糸道取付け棒        | PIN                              | 2     |
| 67-20    | 75-455   | ワッシャ          | WASHER                           | 5     |
| 67-21    | 84-374   | ネジ            | SCREW                            | 4     |
| 67-22    | 84-396   | 段ネジ           | SCREW                            | 2     |
| 67-23    | 86-211   | ナット           | NUT                              | 2     |
| 67-24    | 87-286   | ネジ            | SCREW                            | 2     |
| 67-25    | 87-319   | 支柱ネジ          | SCREW                            | 2     |
| 67-26    | 87-411   | 支柱ネジ          | SCREW                            | 1     |
| 67-27    | 87-465   | 支柱ネジ          | SCREW                            | 4     |
| 67-28    | 87-482   | プラマイナベ小ねじ     | SCREW                            | 2     |
| 67-29    | 87-483   | プラマイナベ小ねじ     | SCREW                            | 1     |
| 67-30    | 87-484   | プラマイナベ小ねじ     | SCREW                            | 2     |
| 67-31    | 87-485   | プラマイナベ小ねじ     | SCREW                            | 2     |
| 67-32    | 87-486   | プラマイナベ小ねじ     | SCREW                            | 2     |
| 67-33    | 42-024   | 24本糸立てセット     | THREAD STAND ASSEMBLY ASS'Y (12) | 1     |
| 67-34    | 21-018   | テーブル          | TABLE                            | 1     |

68. ゲージ関係 GAUGE PARTS

NW3303GFMM/7/32, 1/4

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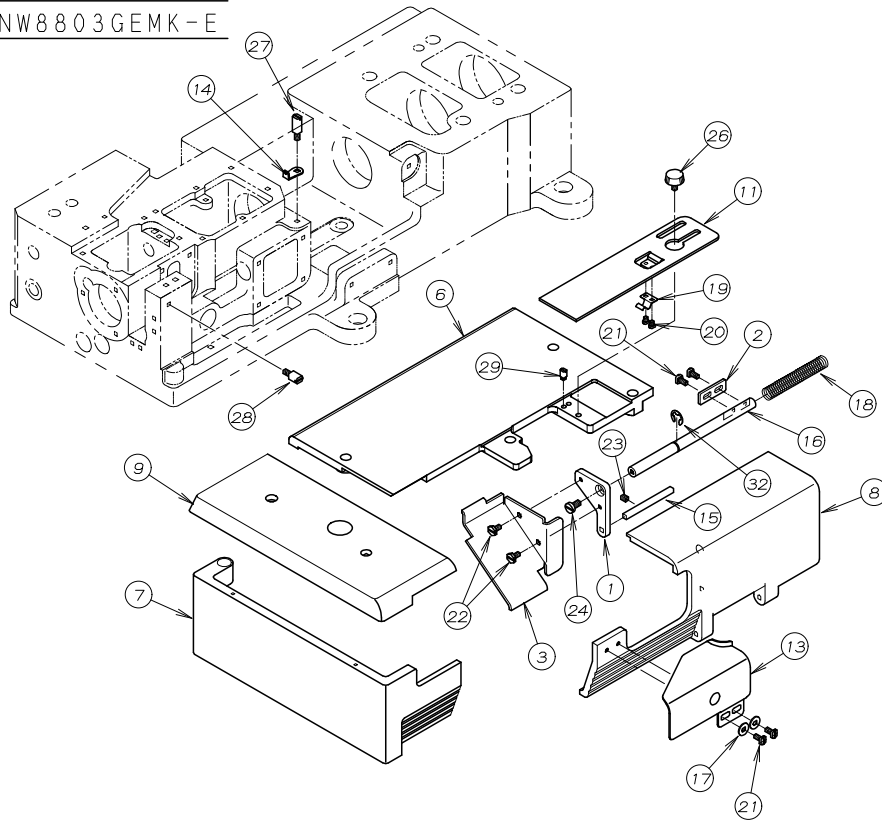


| REF. NO. | PART NO.  | 品 名               | DESCRIPTION         | Q' TY |
|----------|-----------|-------------------|---------------------|-------|
| 68-01    | *         | 針株                | NEEDLE HOLDER       | 1     |
| 68-02    | 13-0140-6 | 針 (UYX128GAS #14) | NEEDLE              | 3     |
| 68-03    | *         | 針板                | NEEDLE PLATE        | 1     |
| 68-04    | 15-015    | 後送歯               | REAR FEED DOG       | 1     |
| 68-05    | 15-016    | 前送歯               | FRONT FEED DOG      | 1     |
| 68-06    | 17-1760-Y | 押えガイド足            | GUIDE BRACKET       | 1     |
| 68-07    | 17-1760-Z | ガイド足金具            | GUIDE PIN           | 1     |
| 68-08    | 17-1920-N | 押え足 (7/32)        | BOTTOM              | 1     |
| 68-09    | 17-1930-N | 押え足 (1/4)         | BOTTOM              | 1     |
| 68-10    | *         | 押えセット             | PRESSER FOOT ASS' Y | 1     |
| 68-11    | 17-7490-L | 押え足ハネ             | SPRING              | 1     |
| 68-12    | 17-7760-A | 押えホス              | SHANK               | 1     |
| 68-13    | 17-7760-D | ピン                | PIN                 | 1     |
| 68-14    | 17-7760-E | ピン                | PIN                 | 1     |
| 68-15    | 18-811    | 針受                | NEEDLE GUARD        | 1     |
| 68-16    | 19-116    | 補助ルーバー            | NEEDLE GUIDE        | 1     |
| 68-17    | 19-539    | ルーバー              | LOOPER              | 1     |
| 68-18    | 79-191    | ハネ                | SPRING              | 1     |
| 68-19    | 84-161    | ネジ                | SCREW               | 1     |
| 68-20    | 84-359    | ネジ                | SCREW               | 2     |
| 68-21    | 84-382    | ネジ                | SCREW               | 1     |
| 68-22    | 84-464    | ネジ                | SCREW               | 2     |
| 68-23    | 85-613    | ネジ                | SCREW               | 1     |
| 68-24    | 85-621    | ネジ                | SCREW               | 1     |
| 68-25    | 87-104    | ネジ                | SCREW               | 4     |
| 68-26    | 87-130    | ネジ                | SCREW               | 1     |
| 68-27    | 87-181    | ネジ                | SCREW               | 2     |
| 68-28    | 88-136    | ナット               | NUT                 | 1     |

69. NW8803GEK, EMK-E 専用部品 EXCLUSIVE PARTS

NW8803GEK

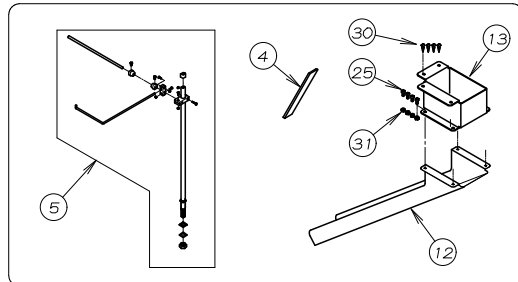
NW8803GEMK-E



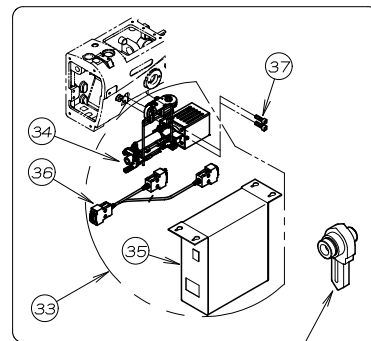
| REF. NO. | PART NO. | 品 名            | DESCRIPTION             | Q' TY |
|----------|----------|----------------|-------------------------|-------|
| 69-01    | 07-511   | シューター取付板       | PLATE                   | 1     |
| 69-02    | 07-512   | シューター用ストップハ    | STOP PLATE              | 1     |
| 69-03    | 07-519   | シューター          | COVER                   | 1     |
| 69-04    | 07-522   | 下メス            | LOWER KNIFE             | 1     |
| 69-05    | 20-6050  | テープ 立て (組)     | TAPE STAND ASSEMBLY     | 1     |
| 69-06    | 21-660   | 上ハースカハ         | UPPER COVER             | 1     |
| 69-07    | 21-776   | 横カハ            | SIDE COVER              | 1     |
| 69-08    | 21-777   | 前カハ            | FRONT COVER             | 1     |
| 69-09    | 21-779   | サイド 上ハースカハ     | SIDE COVER              | 1     |
| 69-10    | 26-816   | 定規             | FRONT RULER             | 1     |
| 69-11    | 27-167   | 前ベースカバー        | FRONT BASE COVER        | 1     |
| 69-12    | 28-701   | ダストシュート (下)    | CHUTE (LOWER)           | 1     |
| 69-13    | 28-702   | ダストシュート (上)    | CHUTE (UPPER)           | 1     |
| 69-14    | 43-519   | 糸道             | THREAD EYELET           | 1     |
| 69-15    | 71-589   | シューター軸         | SHAFT                   | 1     |
| 69-16    | 71-590   | シューター軸大        | SHAFT                   | 1     |
| 69-17    | 75-455   | ワッシャ           | WASHER                  | 2     |
| 69-18    | 79-569   | 前カハ 圧縮ハネ       | SPRING                  | 1     |
| 69-19    | 79-801   | ハネ             | SPRING                  | 1     |
| 69-20    | 84-167   | ネジ             | SCREW                   | 2     |
| 69-21    | 84-374   | ネジ             | SCREW                   | 4     |
| 69-22    | 84-412   | ネジ             | SCREW                   | 2     |
| 69-23    | 84-521   | ネジ             | SCREW                   | 1     |
| 69-24    | 84-571   | ネジ             | SCREW                   | 1     |
| 69-25    | 87-177   | 六角穴付きボルト       | BOLT                    | 4     |
| 69-26    | 87-292   | 調節ネジ           | SCREW                   | 1     |
| 69-27    | 87-310   | カハーストップネジ      | SCREW                   | 1     |
| 69-28    | 87-330   | カハーストップネジ      | SCREW                   | 1     |
| 69-29    | 87-423   | 段ネジ            | SCREW                   | 1     |
| 69-30    | 87-902   | 木ねじ            | SCREW                   | 4     |
| 69-31    | 88-146   | ナット            | NUT                     | 4     |
| 69-32    | 93-213   | E型止め輪          | E-RING                  | 1     |
| 69-33    | 59-050   | MK1簡易ゴム送り装置セット | MK1 ROLLER COMPLETE SET | 1     |
| 69-34    | 59-050A  | MK1デバイス        | MK1 DEVICE              | 1     |
| 69-35    | 59-050B  | MK1制御箱         | MK1 CONTROL BOX         | 1     |
| 69-36    | 59-049   | エンコーダー中継線      | CABLE                   | 1     |
| 69-37    | 87-173   | 六角穴付きボルト       | BOLT                    | 2     |
| 69-38    | 59-048   | 位置検出器          | POSITION DETECTOR       | 1     |

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同梱部品  
Enclosing accessory box



MODEL EMK-E

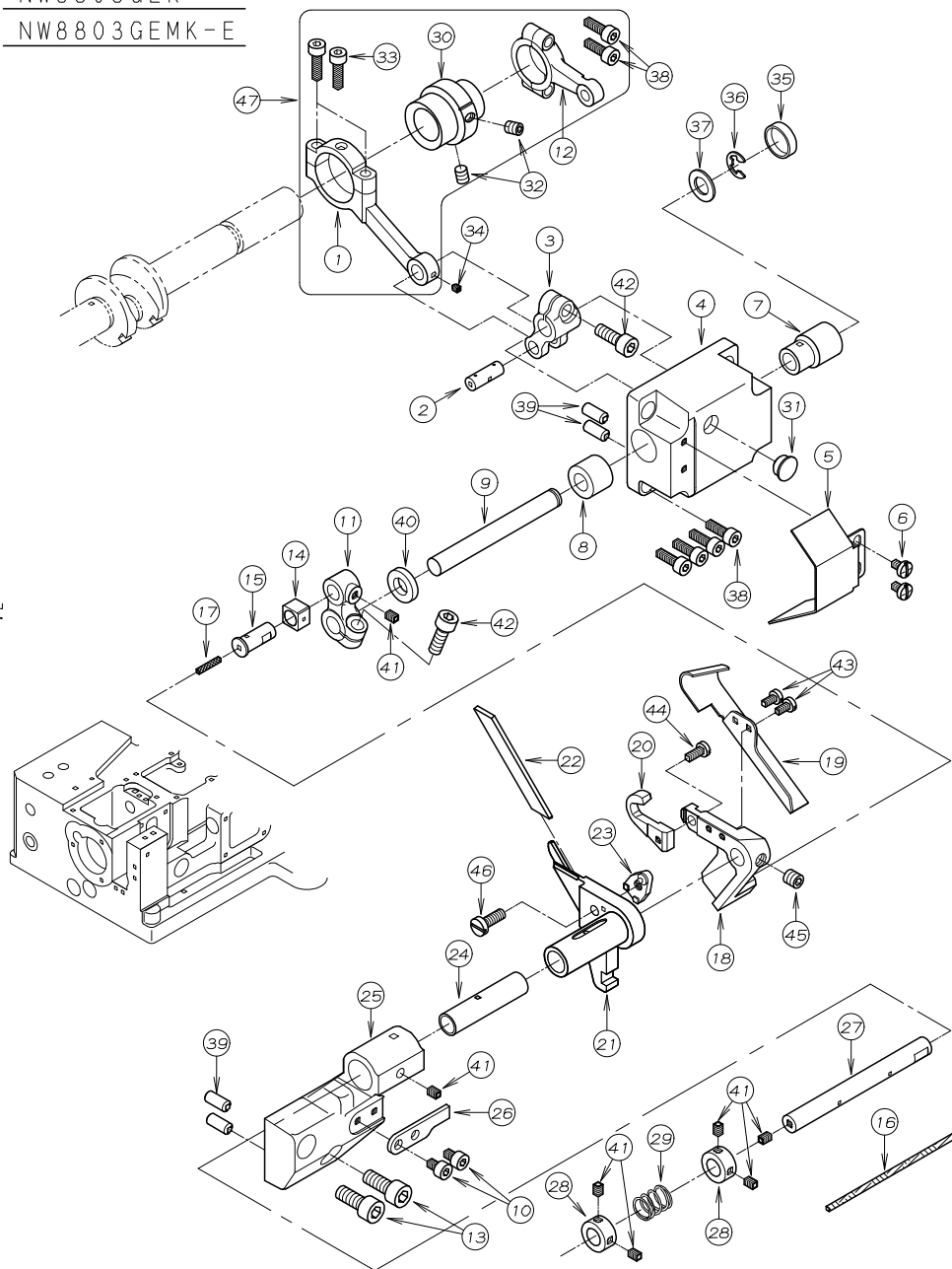


オプション  
OPTION

70. NW8803GEK, EMK-E 前メス機構 EK KNIFE MECHANISM

NW8803GEK

NW8803GEMK-E

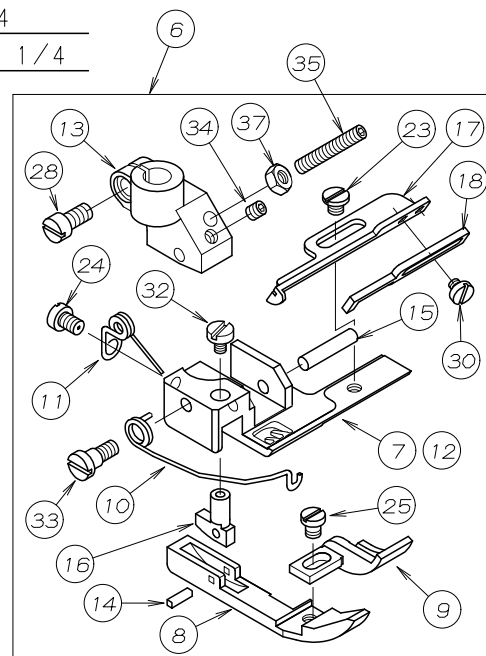


| REF. NO. | PART NO. | 品 名             | DESCRIPTION                      | Q'TY |
|----------|----------|-----------------|----------------------------------|------|
| 70-01    | 63-832   | 上メスロッド          | CONNECTING ROD                   | 1    |
| 70-02    | 71-596   | 上メスロッド ピン       | CONNECTING ROD PIN               | 1    |
| 70-03    | 67-517   | 上メスシャフトレバー (右)  | LEVER (RIGHT)                    | 1    |
| 70-04    | 07-501   | ブラケット           | BRACKET                          | 1    |
| 70-05    | 21-780   | 油カバー            | OIL DEFENDER                     | 1    |
| 70-06    | 84-361   | ネジ              | SCREW                            | 2    |
| 70-07    | 81-543   | 上メスシャフトブッシュ (右) | BUSHING (RIGHT)                  | 1    |
| 70-08    | 81-544   | 上メスシャフトブッシュ (左) | BUSHING (LEFT)                   | 1    |
| 70-09    | 71-597   | メスシャフト          | UPPER KNIFE DRIVING SHAFT        | 1    |
| 70-10    | 87-092   | ネジ              | SCREW                            | 2    |
| 70-11    | 67-518   | 上メスシャフトレバー (左)  | LEVER (LEFT)                     | 1    |
| 70-12    | 63-508   | 針受ロッド           | CONNECTING ROD                   | 1    |
| 70-13    | 87-171   | ネジ              | SCREW                            | 2    |
| 70-14    | 07-502   | 上メス台角ゴマ         | UPPER KNIFE CONNECTING BLOCK     | 1    |
| 70-15    | 71-598   | 上メス台角ゴマピン       | PIN                              | 1    |
| 70-16    | 23-124   | フェルト            | FELT                             | 1    |
| 70-17    | 23-555   | フェルト            | FELT                             | 1    |
| 70-18    | 07-524   | 上メス台            | UPPER KNIFE HOLDER               | 1    |
| 70-19    | 07-504   | 切屑返し            | CHIP GUARD                       | 1    |
| 70-20    | 07-505   | 上メス             | UPPER KNIFE                      | 1    |
| 70-21    | 07-520   | 下メス台            | LOWER KNIFE HOLDER               | 1    |
| 70-22    | 07-522   | 下メス             | LOWER KNIFE                      | 1    |
| 70-23    | 07-521   | 下メスクランプ         | LOWER KNIFE CLAMP                | 1    |
| 70-24    | 81-545   | 下メス台ブッシュ        | BUSHING                          | 1    |
| 70-25    | 07-509   | 下メス台ブラケット       | LOWER KNIFE HOLDER BRACKET       | 1    |
| 70-26    | 07-510   | 下メス台止メ          | LOWER KNIFE HOLDER LOCKING PLATE | 1    |
| 70-27    | 71-599   | 下メス台シャフト        | LOWER KNIFE HOLDER SHAFT         | 1    |
| 70-28    | 75-561   | カラー             | COLLAR                           | 2    |
| 70-29    | 79-568   | 上メスバネ           | SPRING                           | 1    |
| 70-30    | 61-525   | 上メスエキセン         | UPPER KNIFE ECCENTRIC            | 1    |
| 70-31    | 23-533   | ゴム栓             | PLUG                             | 1    |
| 70-32    | 87-254   | ネジ              | SCREW                            | 2    |
| 70-33    | 87-214   | ネジ              | SCREW                            | 2    |
| 70-34    | 87-234   | ネジ              | SCREW                            | 1    |
| 70-35    | 94-507   | シールカップ          | SEAL CUP                         | 1    |
| 70-36    | 93-213   | Eリング            | E-RING                           | 1    |
| 70-37    | 75-519   | ワッシャー           | WASHER                           | 1    |
| 70-38    | 87-129   | ネジ              | SCREW                            | 6    |
| 70-39    | 71-208   | ピン              | PIN                              | 4    |
| 70-40    | 94-805   | オイルシール          | OIL SEAL                         | 1    |
| 70-41    | 87-181   | ネジ              | SCREW                            | 7    |
| 70-42    | 87-224   | ネジ              | SCREW                            | 2    |
| 70-43    | 84-155   | ネジ              | SCREW                            | 2    |
| 70-44    | 84-360   | ネジ              | SCREW                            | 1    |
| 70-45    | 87-172   | ネジ              | SCREW                            | 1    |
| 70-46    | 84-566   | ネジ              | SCREW                            | 1    |
| 70-47    | 60-5031  | EMKロッドセット       | CONNECTING ROD ASS'Y (EMK)       | 1    |

## 71. ゲージ関係 GAUGE PARTS

NW8803GEK/7/32, 1/4

NW8803GEMK-E/7/32, 1/4



| REF. NO. | PART NO.  | 品 名               | DESCRIPTION        | Q'TY |
|----------|-----------|-------------------|--------------------|------|
| 71-01    | *         | 針株                | NEEDLE HOLDER      | 1    |
| 71-02    | 13-0110-6 | 針 (UYX128GAS #11) | NEEDLE             | 3    |
| 71-03    | *         | 針板                | NEEDLE PLATE       | 1    |
| 71-04    | 15-781    | 前送歯 (W)           | FRONT FEED DOG     | 1    |
| 71-05    | 15-782    | 後送歯 (W)           | REAR FEED DOG      | 1    |
| 71-06    | *         | 押えセット             | PRESSER FOOT ASS'Y | 1    |
| 71-07    | 17-7490-B | 押え足 (7/32)        | BOTTOM             | 1    |
| 71-08    | 17-7490-C | 押えカ イト 足          | BOTTOM (LEFT)      | 1    |
| 71-09    | 17-7490-G | 当てカ イト            | GUIDE              | 1    |
| 71-10    | 17-7460-K | カ イト 足ハ ネ         | SPRING             | 1    |
| 71-11    | 17-7490-L | 押え足ハ ネ            | SPRING             | 1    |
| 71-12    | 17-7500-B | 押え足 (1/4)         | BOTTOM             | 1    |
| 71-13    | 17-7760-A | 押えホ ス             | SHANK              | 1    |
| 71-14    | 17-7760-D | ヒ ョ ン             | PIN                | 1    |
| 71-15    | 17-7760-E | ヒ ョ ン             | PIN                | 1    |
| 71-16    | 17-7370-F | カ イト 足金具          | GUIDE PIN          | 1    |
| 71-17    | 17-7770-H | ゴム当て定規            | ELASTIC GUIDE      | 1    |
| 71-18    | 17-7770-I | テープガイド            | TAPE GUIDE         | 1    |
| 71-19    | 18-811    | 針受                | NEEDLE GUARD       | 1    |
| 71-20    | 19-116    | 補助ルーパ ー           | NEEDLE GUIDE       | 1    |
| 71-21    | 19-539    | ルーパ ー             | LOOPER             | 1    |
| 71-22    | 75-442    | スフ リンク ワッシャ       | SPRING WASHER      | 1    |
| 71-23    | 84-117    | ネジ                | SCREW              | 1    |
| 71-24    | 84-161    | ネジ                | SCREW              | 1    |
| 71-25    | 84-167    | ネジ                | SCREW              | 1    |
| 71-26    | 84-358    | ネジ                | SCREW              | 1    |
| 71-27    | 84-359    | ネジ                | SCREW              | 1    |
| 71-28    | 84-382    | ネジ                | SCREW              | 1    |
| 71-29    | 84-464    | ネジ                | SCREW              | 2    |
| 71-30    | 85-101    | ネジ                | SCREW              | 1    |
| 71-31    | 85-613    | ネジ                | SCREW              | 1    |
| 71-32    | 85-621    | ネジ                | SCREW              | 1    |
| 71-33    | 87-074    | 段ネジ               | SCREW              | 1    |
| 71-34    | 87-104    | ネジ                | SCREW              | 4    |
| 71-35    | 87-130    | ネジ                | SCREW              | 1    |
| 71-36    | 87-181    | ネジ                | SCREW              | 2    |
| 71-37    | 88-136    | ナット               | NUT                | 1    |

## 72. デージパーツ表 GAUGE PARTS LIST

| 機種<br>MODEL | タイプ<br>TYPE | 針数<br>NEEDLE | ゲージ<br>GAUGE | 針株<br>NEEDLE<br>HOLDER | 押え組<br>PRESSER<br>FOOT ASS'Y | 後送り歯<br>FEED<br>DOG<br>(REAR) | 前送り歯<br>FEED<br>DOG<br>(FRONT) | 針板<br>NEEDLE<br>PLATE<br>Standard | ルーパー<br>LOOPER   | 上飾り<br>ルーパー<br>SPREADER               | 針受 (後)<br>NEEDLE<br>GUARD<br>(REAR) | 針ガイド (前)<br>NEEDLE<br>GUARD<br>(FRONT) |
|-------------|-------------|--------------|--------------|------------------------|------------------------------|-------------------------------|--------------------------------|-----------------------------------|------------------|---------------------------------------|-------------------------------------|----------------------------------------|
| NW8803GD    | -WD         | 3            | 7/32         | 12-0260-1              | 17-7090-1                    | 15-875                        | 15-870                         | 14-871S                           | 19-539           | 19-752                                | 18-811                              | 19-116                                 |
|             |             |              | 1/4          | 12-0270-1              | 17-7100-1                    |                               |                                | ★14-871                           |                  |                                       |                                     |                                        |
|             |             |              |              |                        |                              |                               |                                | 14-880S                           |                  |                                       |                                     |                                        |
| NW8803GF    | -WD         | 3            | 7/32         | 12-0260-1              | 17-1920-1                    | 15-849                        | 15-839                         | ★14-880                           | 19-538<br>19-539 | 19-751                                | 18-810                              |                                        |
|             |             |              | 1/4          | 12-0270-1              | 17-1930-1                    |                               |                                | 14-176                            |                  |                                       |                                     |                                        |
|             |             |              |              |                        |                              |                               |                                | 14-177                            |                  |                                       |                                     |                                        |
| NW8803G     | -1S         | 4            | 7/32x4       | 12-8360-1              | 17-7910-1                    | 15-848                        | 15-811                         | 14-783                            | 19-538<br>19-539 | 19-751                                | 18-810                              |                                        |
|             |             | 3            | 3.5x4        | 12-8370-1              | 17-7990-1                    | 15-850                        | 15-813                         | 14-792                            |                  |                                       |                                     |                                        |
|             |             |              |              |                        |                              |                               |                                |                                   |                  |                                       |                                     |                                        |
| NW3303GF    | MM          | 3            | 7/32         | 12-0260-1              | 17-1940-1                    | 15-015                        | 15-016                         | 14-192                            | 19-539           | ★19-751 set<br>(04-501)<br>(87-214x2) | 18-811                              |                                        |
|             |             |              | 1/4          | 12-0270-1              | 17-1950-1                    |                               |                                | 14-193                            |                  |                                       |                                     |                                        |
|             |             |              |              |                        |                              |                               |                                |                                   |                  |                                       |                                     |                                        |
| NW8803G     | EK<br>EMK-E | 3            | 7/32         | 12-0260-1              | 17-7490-1                    | 15-782                        | 15-781                         | 14-682                            | 19-539           | 19-751                                | 18-811                              |                                        |
|             |             |              | 1/4          | 12-0270-1              | 17-7500-1                    |                               |                                | 14-683                            |                  |                                       |                                     |                                        |
|             |             |              |              |                        |                              |                               |                                |                                   |                  |                                       |                                     |                                        |

※★同梱部品です。 ★ Enclosing accessory box

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| REF.<br>NO. | PART NO.<br>品 番 | REF.<br>NO. | PART NO.<br>品 番 | REF.<br>NO. | PART NO.<br>品 番 | REF.<br>NO. | PART NO.<br>品 番 | REF.<br>NO. | PART NO.<br>品 番 | REF.<br>NO. | PART NO.<br>品 番 | REF.<br>NO. | PART NO.<br>品 番 | REF.<br>NO. | PART NO.<br>品 番 | REF.<br>NO. | PART NO.<br>品 番 | REF.<br>NO. | PART NO.<br>品 番 | REF.<br>NO. | PART NO.<br>品 番 | REF.<br>NO. | PART NO.<br>品 番 |
|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| 37-39       | 00-5284         | 65-04       | 04-022          | 13-09       | 04-502          | 33-03       | 05-212          | 21-28       | 05-646          | 26-08       | 06-497          | 49-10       | 07-432          | 32-12       | 08-031          | 39-12       | 14-8970-C       | 40-18       | 17-5490-B       | 38-11       | 17-7490-L       | 54-13       | 17-8190-F       |
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| 27-02       | 00-6082         | 66-01       | 04-027          | 52-47       | 04-502          | 27-10       | 05-2120-A       | 20-23       | 05-658          | 27-08       | 06-516          | 49-12       | 07-434          | 32-13       | 08-041          | 17-03       | 15-015          | 40-20       | 17-5490-D       | 68-11       | 17-7490-L       | 38-22       | 17-8190-G       |
| 44-01       | 00-6082         | 66-02       | 04-028          | 13-21       | 04-507          | 33-13       | 05-2120-A       | 20-24       | 05-812          | 33-12       | 06-516          | 49-13       | 07-435          | 34-03       | 08-051          | 68-04       | 15-015          | 40-21       | 17-5490-E       | 71-11       | 17-7490-L       | 39-27       | 17-8190-G       |
| 21-25       | 00-6083         | 66-03       | 04-029          | 13-20       | 04-508          | 44-02       | 05-2120-A       | 20-25       | 05-814          | 44-06       | 06-516          | 49-14       | 07-436          | 34-04       | 08-052          | 17-04       | 15-016          | 40-22       | 17-5500-1       | 71-12       | 17-7500-B       | 40-32       | 17-8190-G       |
| 21-31       | 00-6116         | 66-04       | 04-030          | 07-01       | 04-509          | 27-11       | 05-2120-B       | 21-03       | 05-842          | 45-06       | 06-516          | 49-15       | 07-437          | 34-05       | 08-053          | 68-05       | 15-016          | 40-23       | 17-5500-B       | 39-20       | 17-7680-A       | 43-28       | 17-8190-G       |
| 22-24       | 00-6117         | 66-05       | 04-031          | 13-27       | 04-510          | 33-14       | 05-2120-B       | 22-03       | 05-842          | 49-16       | 07-438          | 49-16       | 07-438          | 34-06       | 08-054          | 40-07       | 15-535          | 42-06       | 17-5530-A       | 57-09       | 17-7680-A       | 54-14       | 17-8190-G       |
| 45-08       | 00-6130         | 66-06       | 04-032          | 56-02       | 04-510          | 44-03       | 05-217          | 23-01       | 05-850          | 33-04       | 06-517          | 49-17       | 07-439          | 34-07       | 08-055          | 40-08       | 15-536          | 42-07       | 17-5530-B       | 38-13       | 17-7680-B       | 57-15       | 17-8190-G       |
| 34-01       | 00-8019         | 66-07       | 04-033          | 13-35       | 04-512          | 27-09       | 05-218          | 14-02       | 05-853          | 44-07       | 06-517          | 49-18       | 07-440          | 34-08       | 08-056          | 71-04       | 15-781          | 42-08       | 17-5530-C       | 39-21       | 17-7680-B       | 38-23       | 17-8190-I       |
| 34-02       | 00-8021         | 66-08       | 04-034          | 13-34       | 04-513          | 33-05       | 05-218          | 45-07       | 05-853          | 45-07       | 06-517          | 49-19       | 07-441          | 34-09       | 08-057          | 71-05       | 15-782          | 42-09       | 17-5530-D       | 57-10       | 17-7680-B       | 39-28       | 17-8190-J       |
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| 36-08       | 02-112          | 61-04       | 04-058          | 35-01       | 05-074          | 25-06       | 05-275          | 22-08       | 05-912          | 24-19       | 06-608          | 70-21       | 07-520          | 58-02       | 13-0110-6       | 57-05       | 15-875          | 40-27       | 17-5630-C       | 63-13       | 17-7760-D       | 39-52       | 18-797          |
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| 50-01       | 02-118          | 61-08       | 04-062          | 20-05       | 05-078          | 25-08       | 05-277          | 22-04       | 05-927          | 13-37       | 06-751          | 70-22       | 07-522          | 43-04       | 13-0140-6       | 17-05       | 17-1760-K       | 42-19       | 17-5690-B       | 38-18       | 17-7760-E       | 63-22       | 18-809          |
| 59-01       | 02-118          | 61-09       | 04-063          | 20-06       | 05-079          | 24-08       | 05-278          | 45-12       | 05-932          | 56-10       | 06-751          | 70-18       | 07-524          | 54-28       | 13-0140-6       | 38-08       | 17-1760-K       | 42-16       | 17-5750-A       | 58-15       | 17-7760-E       | 63-23       | 18-810          |
| 67-01       | 02-118          | 61-10       | 04-064          | 20-07       | 05-080          | 24-09       | 05-279          | 21-11       | 06-927          | 23-03       | 05-955          | 49-21       | 07-702          | 68-02       | 13-0140-6       | 58-06       | 17-1760-K       | 42-17       | 17-5750-B       | 63-14       | 17-7760-E       | 38-24       | 18-811          |
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| 37-06       | 02-158          | 62-03       | 04-069          | 20-12       | 05-085          | 25-09       | 05-283          | 23-06       | 05-958          | 16-01       | 07-008          | 31-01       | 08-003          | 30-26       | 13-1480-5       | 38-09       | 17-1760-Y       | 42-21       | 17-5800-A       | 71-18       | 17-7770-I       | 58-16       | 18-811          |
| 53-04       | 02-158          | 62-04       | 04-072          | 20-13       | 05-086          | 25-10       | 05-284          | 23-07       | 05-961          | 54-01       | 07-410          | 32-03       | 08-003          | 42-02       | 13-1480-5       | 58-07       | 17-1760-Y       | 42-22       | 17-5800-B       | 43-20       | 17-7810-1       | 68-15       | 18-811          |
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| 61-36    | 87-177         | 10-31    | 87-230         | 60-48    | 87-269         | 69-28    | 87-330         | 32-39    | 87-482         | 07-49    | 88-166         | 61-45    | 93-227         |          |                |
| 64-38    | 87-177         | 59-48    | 87-230         | 06-32    | 87-270         | 10-35    | 87-334         | 56-46    | 87-482         | 13-11    | 88-166         | 61-46    | 93-228         |          |                |
| 65-29    | 87-177         | 08-27    | 87-233         | 02-62    | 87-272         | 59-53    | 87-334         | 59-54    | 87-482         | 32-15    | 88-166         | 61-47    | 93-237         |          |                |
| 69-25    | 87-177         | 09-41    | 87-233         | 08-30    | 87-272         | 41-15    | 87-337         | 60-53    | 87-482         | 36-45    | 88-166         | 36-04    | 93-261         |          |                |
| 07-42    | 87-181         | 14-54    | 87-233         | 12-16    | 87-272         | 09-44    | 87-355         | 64-44    | 87-482         | 44-17    | 88-166         | 52-04    | 93-261         |          |                |
| 13-23    | 87-181         | 49-51    | 87-234         | 53-36    | 87-272         | 11-38    | 87-368         | 67-28    | 87-482         | 52-45    | 88-166         | 02-72    | 93-701         |          |                |
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| 41-18    | 87-181         | 02-59    | 87-239         | 02-63    | 87-274         | 60-50    | 87-372         | 03-36    | 87-483         | 37-33    | 88-179         | 65-35    | 94-214         |          |                |
| 42-38    | 87-181         | 11-32    | 87-241         | 07-48    | 87-274         | 06-33    | 87-384         | 14-37    | 87-483         | 53-38    | 88-179         | 05-19    | 94-222         |          |                |
| 49-48    | 87-181         | 06-30    | 87-242         | 09-43    | 87-274         | 61-38    | 87-386         | 31-30    | 87-483         | 65-34    | 88-462         | 34-29    | 94-222         |          |                |
| 50-27    | 87-181         | 08-28    | 87-242         | 11-36    | 87-274         | 61-39    | 87-387         | 32-32    | 87-483         | 62-27    | 91-108         | 62-30    | 94-222         |          |                |
| 53-35    | 87-181         | 07-46    | 87-245         | 13-05    | 87-274         | 01-11    | 87-388         | 59-55    | 87-483         | 61-41    | 91-110         | 05-20    | 94-231         |          |                |
| 56-44    | 87-181         | 21-14    | 87-245         | 18-36    | 87-274         | 15-30    | 87-391         | 67-29    | 87-483         | 61-42    | 91-113         | 09-46    | 94-403         |          |                |
| 57-29    | 87-181         | 21-21    | 87-245         | 22-20    | 87-274         | 17-40    | 87-397         | 02-75    | 87-484         | 62-28    | 91-113         | 36-38    | 94-502         |          |                |
| 58-28    | 87-181         | 22-16    | 87-245         | 35-25    | 87-274         | 38-41    | 87-397         | 15-25    | 87-484         | 11-41    | 91-264         | 52-38    | 94-502         |          |                |
| 63-39    | 87-181         | 24-31    | 87-245         | 62-25    | 87-274         | 58-29    | 87-397         | 67-30    | 87-484         | 37-34    | 91-407         | 05-21    | 94-503         |          |                |
| 65-30    | 87-181         | 25-49    | 87-245         | 64-41    | 87-274         | 02-67    | 87-400         | 02-76    | 87-485         | 53-39    | 91-407         | 01-38    | 94-504         |          |                |

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# ***NW** Series Instruction Manual*

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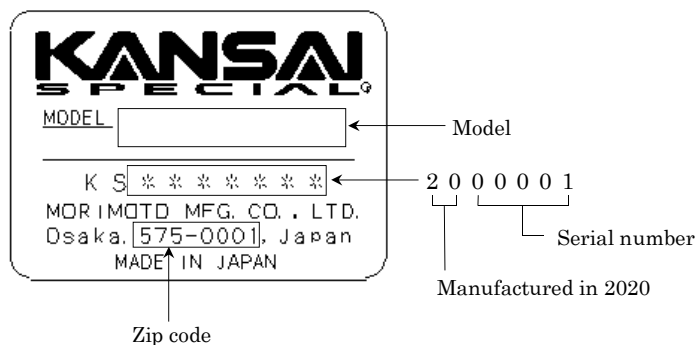
## INTRODUCTION

*Thank you for your purchasing Kansai Special's NW,NL Series.*

*Read and study this instruction manual carefully before beginning any of the procedures and save it for later use.*

1. This instruction manual describes adjustments and maintenance procedures on this machine.
2. Before starting the machine check to make sure the pulley cover, safety cover, etc. are secured.
3. Before adjusting, cleaning, threading the machine or replacing the needle, be sure to turn off the power.
4. Never start the machine with no oil in the reservoir.
5. Refer to the parts list as well as this instruction manual before maintenance. If the machine includes a thread trimmer, read and study the instruction manual for the thread trimmer carefully.
6. The contents described in this instruction manual are subject to change without notice.

### Indication of serial number



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## 【1】 NEEDLES & THREADING

### 1-1 Needles

UY128GAS of Schmetz , Organ or Groz-Beckert.

Select the proper needle for the fabric and thread.

< Needle size >

|         |      |      |      |      |      |       |       |
|---------|------|------|------|------|------|-------|-------|
| Organ   | #09  | #10  | #11  | #12  | #14  | #16   | #18   |
| Schmetz | Nm65 | Nm70 | Nm75 | Nm80 | Nm90 | Nm100 | Nm110 |
| Groz    |      |      |      |      |      |       |       |

< NW8804G >

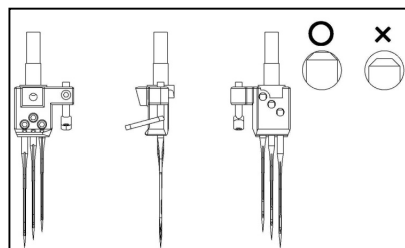
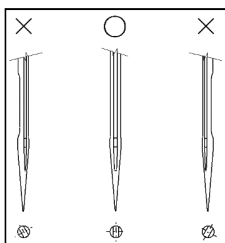
|         |          |      |      |      |      |
|---------|----------|------|------|------|------|
| Organ   | SM×1014H | #9   | #10  | #11  | #12  |
| Schmetz | MY×1014H | Nm65 | Nm70 | Nm75 | Nm80 |

< NL5803G >

|         |      |      |      |       |       |       |       |       |
|---------|------|------|------|-------|-------|-------|-------|-------|
| Organ   | TV×5 | #14  | #15  | #16   | #18   | #19   | #20   | #21   |
| Schmetz | TV×5 | Nm90 | Nm95 | Nm100 | Nm110 | Nm120 | Nm125 | Nm130 |

### 1-2 Replacing the needle

To replace the needle, check the needle carefully to see that the scarf is turned to the rear of the machine (see the illustration). Then install the needle correctly.



< Note >

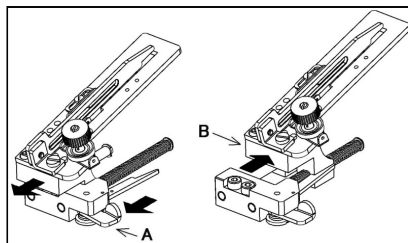
Before replacing the needle, be sure to turn off the machine. A clutch motor continues running for a while after the machine is turned off. Therefore keep on pressing the pedal until the machine stops.

### 1-3 Threading to the looper thread support plate

Pull lever A and support plate B comes out. After threading, press support plate B into place.

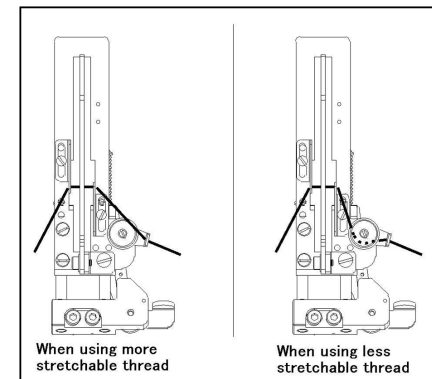
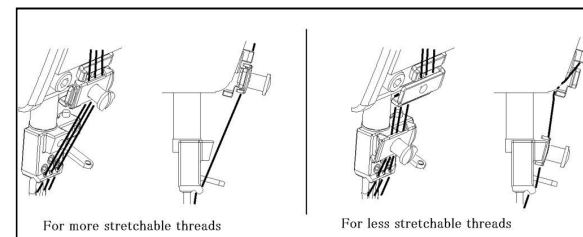
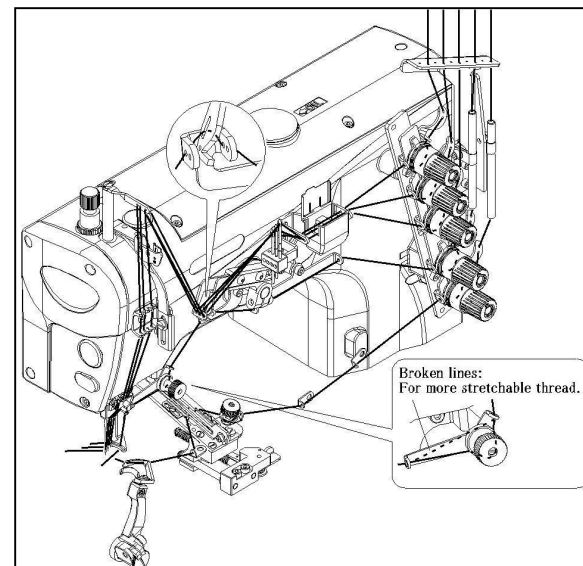
< Note >

Be sure to return the support plate B correctly when the machine is starting.



### 1-4 Threading

Thread the machine correctly by referring to the illustration below. Threading the machine incorrectly may cause skip stitching, thread breakage and/or uneven stitch formation. Thread tension should be changed according to various kinds of conditions such as the thread to be used and/or the feeding amount (see Chapter 10 for "Stitch formation").



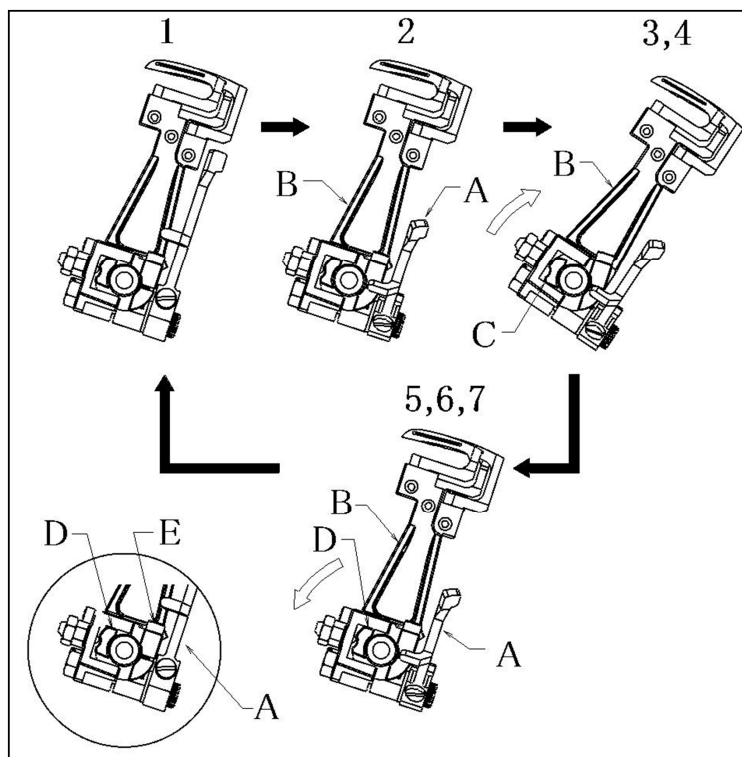
### 1-5 To tilt the looper holder (NW8842-1G/NL5803G)

When the threading of model NW8842-1G and NL5803G, please tilt the looper holder in the right direction.

1. Bring needle bar to the bottom of its stroke.
2. Pull Lever A, lock of the looper holder is released.
3. The looper holder is tilted toward the right. (up to the stopper C position)
4. It is possible to thread the machine easier.
5. Push the looper holder to the left. (up to Stopper D position)
6. Push lever A to the end of stopper position. The looper holder is fixed.
7. Check the looper is fixed by Stopper D securely before starting sewing operation.
8. Start sewing.

< Note >

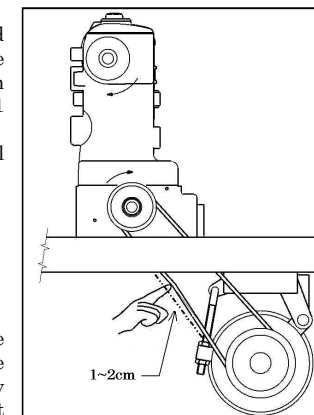
Please do not loose screw E.



## [2] MACHINE SPEED

### 2-1 Machine speed & operating direction

Refer to the table below for maximum and standard speeds of the Series. To extend machine life, run the machine approximately 15~20% below the maximum speed for the first 200 hours of operation (approx. 1 month). Then run the machine at the standard speed. The machine pulley turns clockwise as the handwheel does as seen from the machine pulley



### 2-2 Motor & belt

Motor : 3-phase, 2-pole, 400W clutch motor

Belt : M type V belt

Select the proper motor pulley according to the machine speed (refer to the motor pulley outer diameter on the table below). Adjust where to position the motor by pressing the finger onto the middle of the belt so that 1~2cm deflection can be achieved (see the illustration on the right)

< Machine speed >

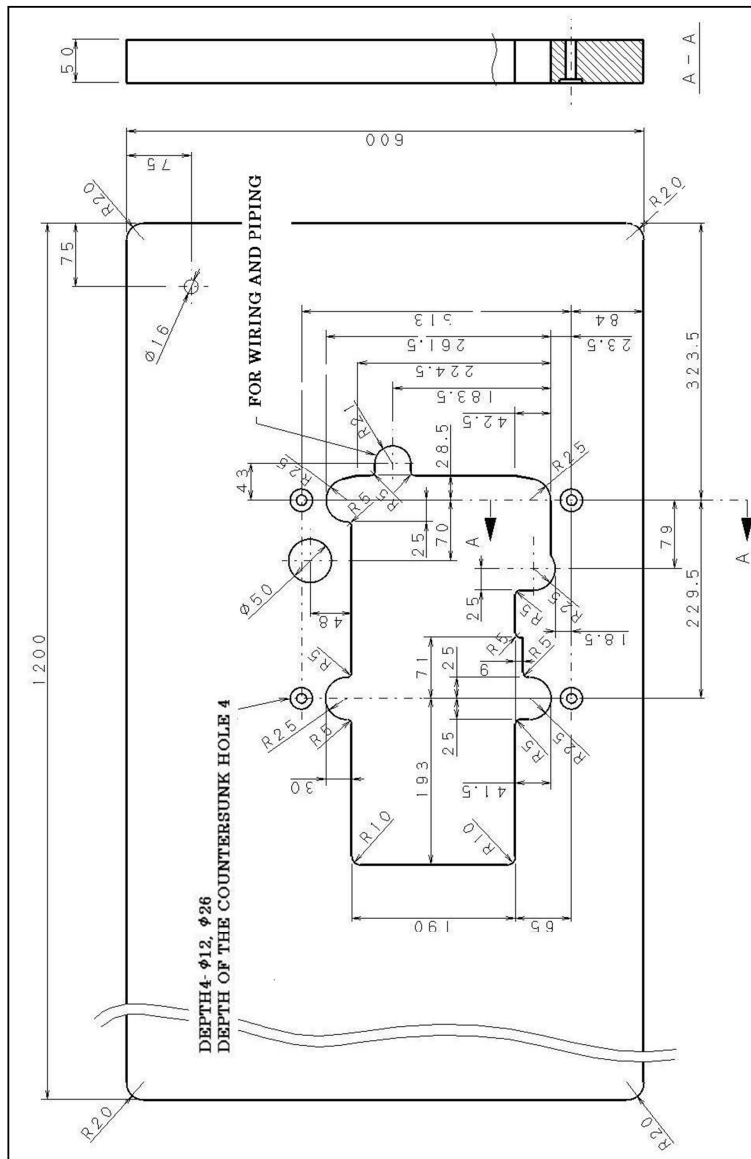
| TYPE      | MAXIMUM SPEED | STANDARD SPEED |
|-----------|---------------|----------------|
| NW8803G   | 6,000rpm      | 5,500rpm       |
| NL5801G   |               |                |
| NL5802G   |               |                |
| NW8842-1G | 5,000rpm      | 4,500rpm       |
| NL5803G   | 4,500rpm      | 4,000rpm       |
| NW2202G   |               |                |
| NW8804G   | 3,000rpm      | 2,500rpm       |

< Motor pulley selection table >

| Motor pulley outer diameter (mm) | Machine speed (rpm) |       |
|----------------------------------|---------------------|-------|
|                                  | 50Hz                | 60Hz  |
| 45                               | 2,000               | 2,400 |
| 50                               | 2,210               | 2,650 |
| 60                               | 2,660               | 3,200 |
| 70                               | 3,100               | 3,700 |
| 80                               | 3,500               | 4,200 |
| 90                               | 4,000               | 4,800 |
| 100                              | 4,400               | 5,300 |
| 110                              | 4,900               | 5,800 |
| 120                              | 5,300               | 6,300 |
| 130                              | 5,700               |       |
| 140                              | 6,200               |       |

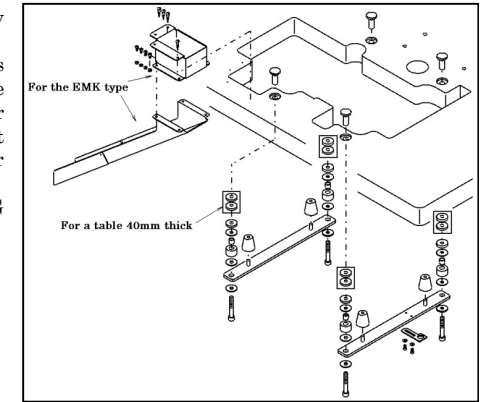


■ For the Direct-Drive machine (NW2202G model and EMK type can't use.)



#### 4-2 Installing the machine

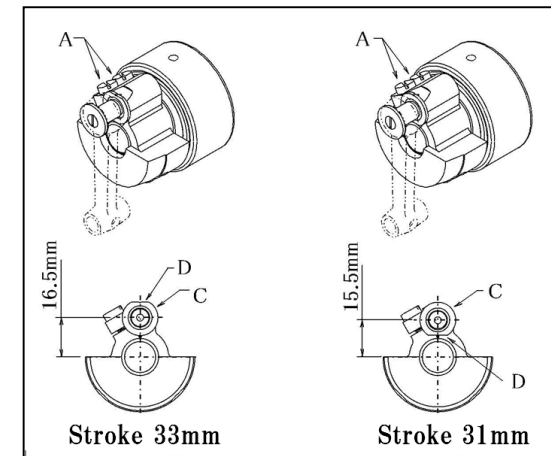
Install the machine correctly by referring to the illustration below. Secure the bolts in place with the nuts tightened against the underside of the machine table. Fit the rubber cushions onto the bolts. Then mount the machine properly onto the rubber cushions. Install the chute for the NW2202G and the EMK type.



#### 【5】TIMING OF THE LOOPER TO THE NEEDLES

##### 5-1 Changing the needle bar stroke

Loosen screws A and turn needle bar link C. To change the needle bar stroke, bring flat surface D to the top or bottom. When the needle bar and flat surface D come to the highest position, the stroke of needle bar stroke is set to 33mm. At the time of shipment of the machine, needle bar stroke is 31mm. Needle bar stroke of NW8803G model is 34mm.



##### < Note >

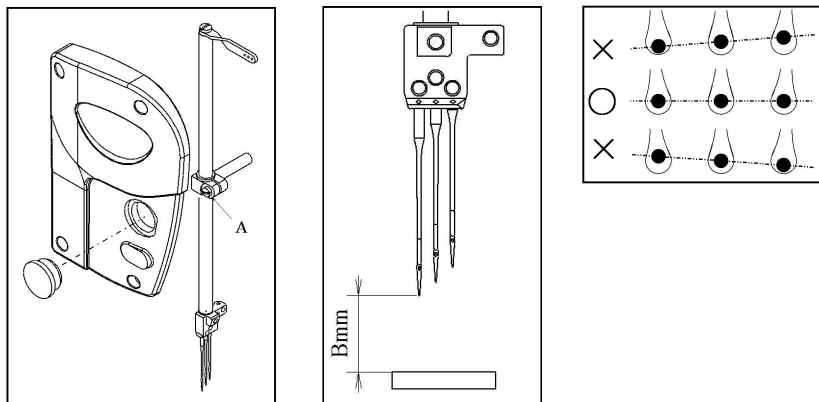
Before changing the needle bar stroke, be sure to turn off the power.

After the needle bar stroke adjustment, make sure that retighten the two screws A securely.

When the needle bar stroke changing, check to make sure the timing of the needle and looper. (See chapter 5)

## 5-2 Adjusting the needle height

When the needle bar is at the bottom of its stroke, remove the plug on the head cover, loosen screw A, and move the needle bar up or down. Setting distance B varies according to the needle stroke or gauge size for further adjustment. (See chapter 5-4)



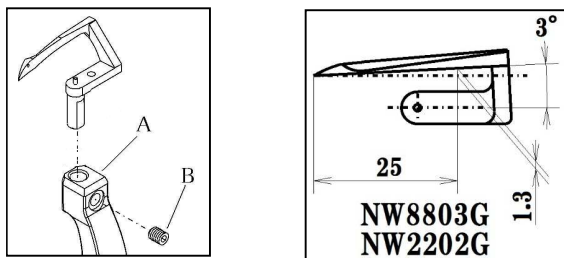
< Note >

After the above adjustment, check to make sure each needle drops into the center of each needle hole.

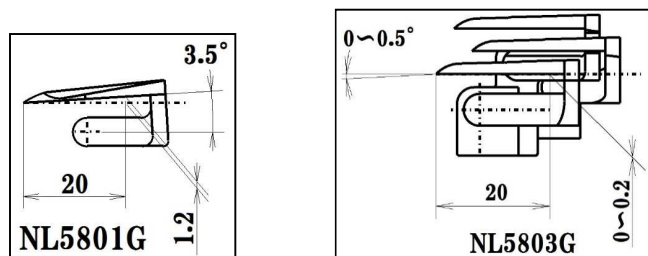
## 5-3 Angle and height for installing the looper

To obtain the proper angle and height, insert the looper fully into looper holder A and then tighten screw B.

The looper angle of standard NW model.



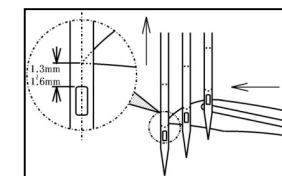
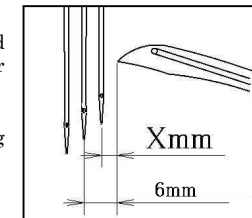
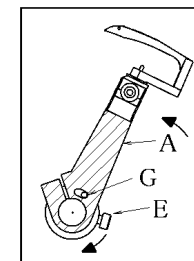
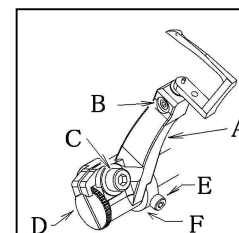
The looper angle of standard NL model.



## 5-4 Looper setting distance

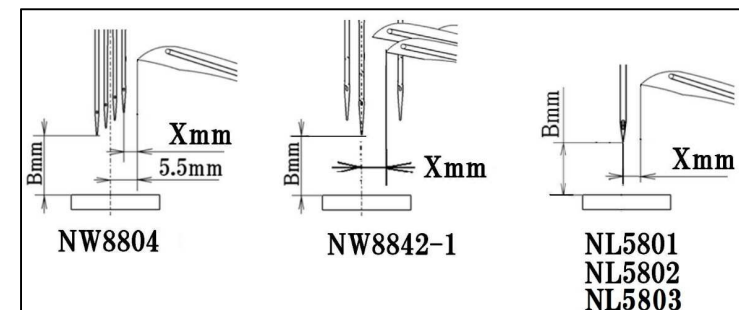
When the looper is at its farthest position to the right, looper setting distance is the fundamental distance from the point of the looper to the center of the needle should be 6mm. Also, setting distance X varies according to the needle stroke or gauge size for further adjustment. (See the table below)

1. Loosen screw C and E. Setting distance X.
2. Tighten screw C and the stopper collar F is tilted toward the right. (the stopper pin G should be touch to looper holder.)
3. Then tighten screw E.
4. Check the looper setting distance securely before starting sewing operation.



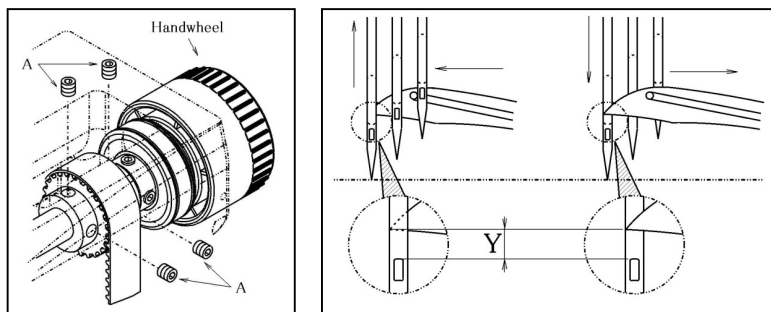
The point of the looper should pass the center of the left needle and 1.3~1.6mm above the top of its needle's eye when the looper moves to left on the back side of the left needle.

| Needle stroke<br>(mm)<br>gauge<br>(inch) | Needle height<br>(Bmm)            |         |          |          | Looper setting<br>distance (Xmm) |
|------------------------------------------|-----------------------------------|---------|----------|----------|----------------------------------|
|                                          | None UT                           | UT      | None UT  | UT       |                                  |
|                                          | 31 (STANDARD)                     |         | 33       |          |                                  |
| 3.2 (1/8)                                | 9.8±0.2                           | 9.1±0.2 | 10.8±0.2 | 10.1±0.2 | 4.4                              |
| 4.0 (5/32)                               | 9.3±0.2                           | 8.6±0.2 | 10.4±0.2 | 9.7±0.2  | 4.0                              |
| 4.8 (3/16)                               | 8.9±0.2                           | 8.2±0.2 | 10±0.2   | 9.3±0.2  | 3.6                              |
| 5.6 (7/32)                               | 8.5±0.2                           | 7.8±0.2 | 9.6±0.2  | 8.9±0.2  | 3.2                              |
| 6.4 (1/4)                                | 8.1±0.2                           | 7.4±0.2 | 9.2±0.2  | 8.5±0.2  | 2.8                              |
| NW8804                                   | 10.3±0.2                          | -       |          |          | 2.5                              |
| NW8842-1                                 | 8.2±0.2                           |         |          |          | 4                                |
| NL5802/M/L                               | 9.6±0.2                           |         |          |          | 4                                |
| NL5803                                   | 13±0.2(Needle bar stroke is 34mm) |         |          |          | 3                                |



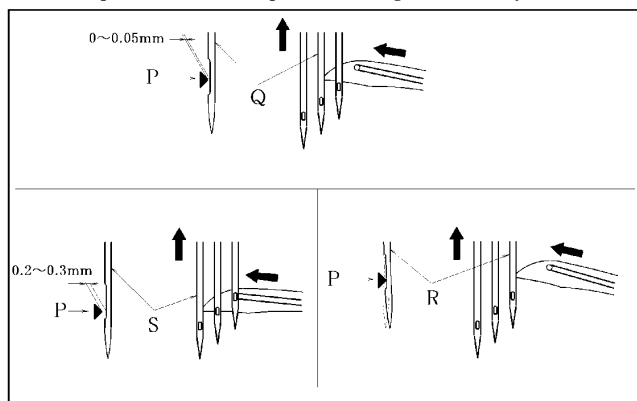
### 5-5 Needle/loop front-to-back relationship

When the point of the loop moves to the left needle should be same distance Y from the top of its needle's eye to the point of the loop by referring to the illustration below. To adjust the timing of the loop to the needles, remove the machine cover, loosen screws A on the timing pulley (upper), and shift the timing pulley (upper) by turning the handwheel while holding the timing pulley by hand.



### 5-6 Adjusting the needle/loop setting distance

The loop is set the clearance between back side of the center needle Q and the point of the loop at 0~0.05mm. To make this adjustment, loosen screw C on the loop holder, and turn the screw D. At this time the loop should barely touch the right needle R. And the point of the loop at this position, set the clearance between the left needle S at approximately 0.2~0.3mm. If you can not make this adjustment, please change the loop's orbit. (See below chapter) Then see chapter 6-1 for right needle adjustment.

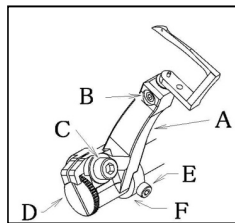


#### < Note >

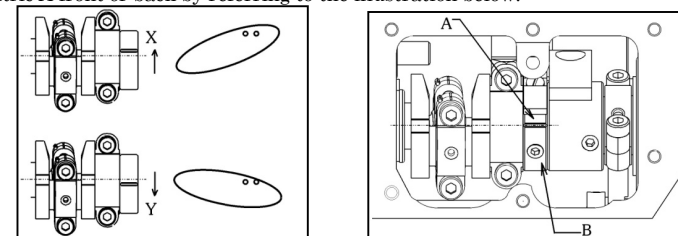
When adjusting the loop holder front or back, be careful not to change the loop setting distance and don't touch the needle guard (rear) and needle.

#### < Note >

Please do not loose screw E.



To change the loop's orbit, loosen screw B on eccentric A and shift the timing mark by moving eccentric A front or back by referring to the illustration below.



#### < Note >

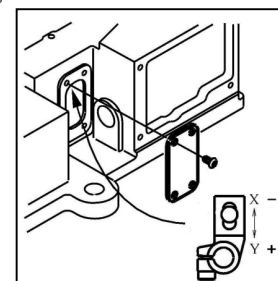
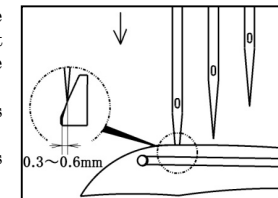
When the timing mark moves to the direction of X unnecessary, the clearance between the point of the loop and the left needle when the loop moves to the left decreases. Cause of occur triangle skip stitch, and improper chaining off. When the timing mark moves to the direction of Y unnecessary, the clearance between the point of the loop and the left needle when the loop moves to the left increases. Cause of occur needle loop skip stitch, and easy to break the tip of the needle.

### 5-7 Changing the amount of the loop front-to-back movement

The clearance between the point of the left needle and the back side of the loop when the loop moves to the right from the extreme left end of its travel should be 0.3~0.6mm (The needle is pressed to the back). The amount of the loop front-to-back movement is factory-set properly for needle count #11 (Nm75). If you use needle counts Nm80~90, adjust the amount as required.

If you use needle counts #12~#14, adjust the amount as required (see below).

1. Remove rear bed cover.
  2. Loosen the nut on the loop front-to-back rod pin.
- To decrease the amount, move the rod pin to X.  
To increase the amount, move the rod pin to Y.



#### < Note >

After the above adjustment, check to make sure the chapter 5-6.

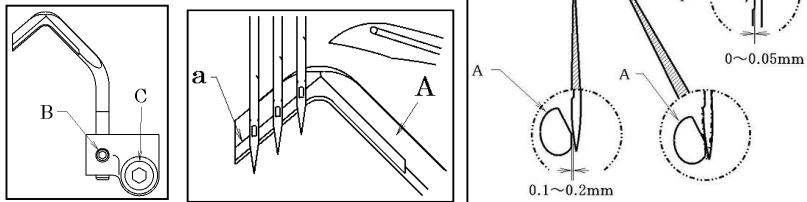
#### < Note >

When the amount of the loop adjusting decrease more than necessary, easy to break the tip of the needle. When the amount of the loop adjusting increase more than necessary, cause of occur triangle skip stitch,

## 【 6 】 FRONT AND REAR NEEDLE GUARDS

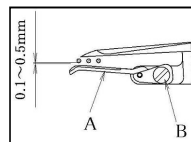
### 6-1 Position of the needle guard (rear)

- Align line "a" with the center of needle's hole when the needle is at the bottom of the stroke.
- When the point of the looper has reached the center of the right needle(R), the clearance between the needle and the looper should be 0~0.05mm. Loosen screw B and move the needle guard (A) slightly to the front. Then the clearance between the left needle(S) and the needle guard (A) should be 0~0.1mm.
- To adjust the needle guard (A) front to back, loosen screws C. The vertical adjustment and angle adjustment, by loosening screw B correctly.



### 6-2 Position of the needle guard (front)

When the point of the looper has reached to the each needles. The clearance between the needle guard A and needles should be 0.1~0.5mm. Adjustment by loosening screw B correctly.

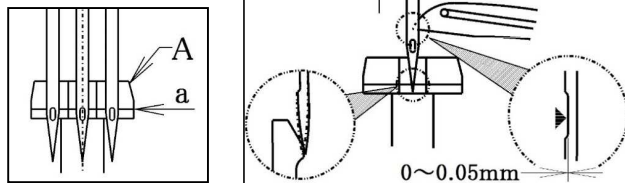


### 6-3 Needle/looper front-to-back relationship and position of the needle guard (NL5803G)

Align line (a) on needle guard (rear) A with the top of the needle hole when the needle bar is at the bottom of the stroke.

The clearance between point of the looper and needle should be 0~0.05mm.

Then adjust the needle guard (rear) so that it presses needle at approximately 0.2~0.3mm to the front.



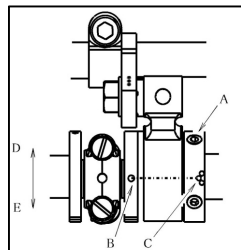
## 【 7 】 SPREADER

### 7-1 Timing of the spreader

Adjust according to the thread to be used or other conditions. To make this adjustment, remove the top arm cover and loosen two screws for looper eccentric A on the upper shaft. Then shift alignment mark C front or back while referring to alignment mark B.

To advance the timing of the spreader to the needle, shift mark C in the direction of D.

To delay the timing of the spreader to the needle, shift mark C in the direction of E.



### 7-2 Position of the spreader

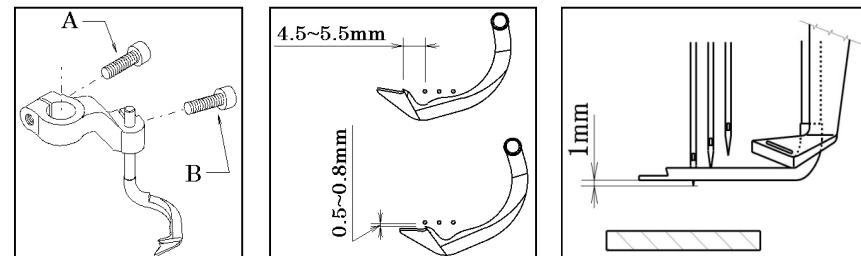
#### ■ Height

The distance from the point of the left needle to the bottom surface of the spreader should be 1mm.

#### ■ Left-to-right position

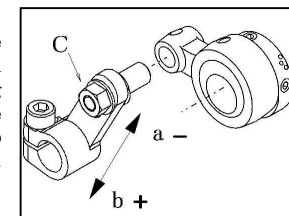
When the spreader is at the extreme left end of its travel, the distance from the center of the left needle to the point of the thread carrying notch should be 4.5~5.5mm.

When the spreader passes the left needle, the clearance between the point of the thread carrying notch and the left needle should be 0.5~0.8mm. To make the above adjustment, loosen screws A and B.



#### ■ Adjust the amount of the spreader movement

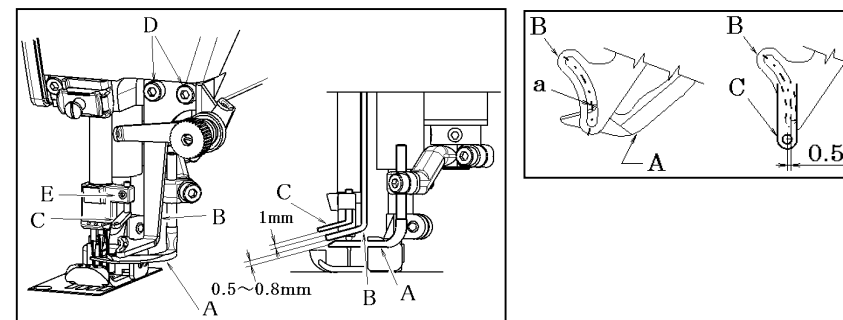
according to the number of spreader threads and/or the fabric weight. To make this adjustment, remove the arm top cover, loosen nut C and then move the adjusting lever pin in direction (a) or (b). To decrease the amount, move the pin in the direction of (a). To increase the amount, move the pin in the direction of (b).



### 7-3 Position of the spreader thread guide

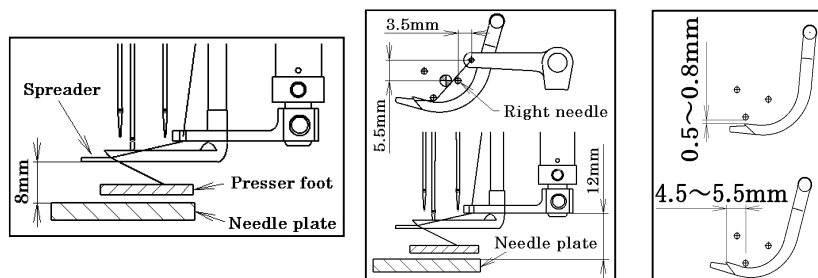
The clearance between spreader thread guide B and spreader A should be 0.5~0.8mm.

When the spreader is at the extreme right end of its travel, point (a) of the spreader thread carrying notch should be aligned with the centerline of the slot of spreader thread guide B. When the needle bar is at the bottom of its stroke, the clearance between the spreader thread guide and spreader thread guide C should be 1mm and the eyelet of spreader thread guide C should be approximately 0.5mm left to the center line of the slot of spreader thread guide B. To make this adjustment, loosen two screws D and screw E and move each thread guide up or down, left or right, or front or back as required.



#### 7-4 Position of the spreader (NW8842-1G)

■ The distance between the top surface of the needle plate and the bottom surface of the spreader should be 8mm. When the spreader is at the extreme left end of its travel, the position of the thread eyelet is as shown to the illustration below.



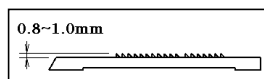
### 【8】 FEED DOGS & STITCH LENGTH

#### 8-1 Feed dog height & tilt

##### ■ Height

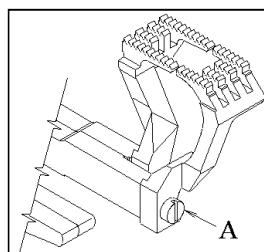
When the feed dogs are at the top of their stroke, the feed dog teeth should be parallel with and 0.8~1mm above the top surface of the needle plate.

To make this adjustment, loosen screw A and move the main and differential feed dogs up or down.

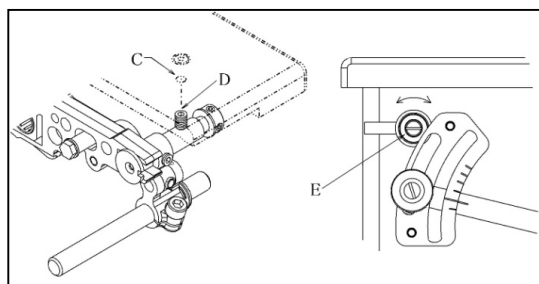


##### ■ Tilt

Remove the cover from the rear side of the bed. Loosen screw D from hole C with a 3mm hex. Wrench. When the feed dogs are at their top of their stroke, the feed dogs should be parallel with the top surface of the needle plate. Adjust by turning eccentric pin E with a screwdriver.



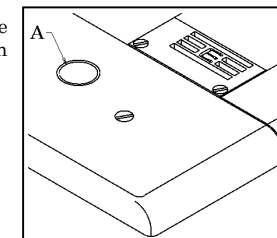
■ When using thick materials or stretchable materials, the front of the feed dog teeth tilt slightly become up. When using thick materials or stretchable materials, the front of the feed dog teeth tilt upward slightly. The top of the feed dog teeth should be parallel with above the top surface of the needle plate.



#### 8-2 Stitch length

The stitch length is adjustable from 1.4~4.2mm. The following table shows the number of stitches within 1 inch (25.4mm) according to the stitch length.

| Stitch length(mm) | No. of stitches (within 1") |
|-------------------|-----------------------------|
| 4.2               | 6.0                         |
| 3.6               | 7.0                         |
| 2.4               | 10.5                        |
| 1.4               | 18.0                        |

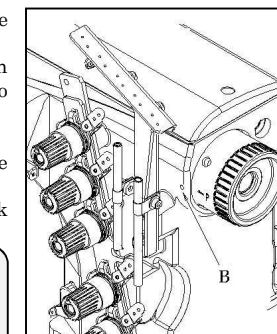


##### ■ To adjust the stitch length

1. Press push button A lightly until its end touches the inside part and clicks.
2. Turn the handwheel by hand while pressing the push button lightly until the push button goes further into the depth.
3. Then press down the push button strongly again. Adjust the stitch length as required by turning the handwheel.
4. Align the required stitch length with alignment mark B. Then release the push button.

##### < Note >

To adjust the stitch length, be sure to turn off the power first. And check to make sure the feed dogs do not touch the needle plate.

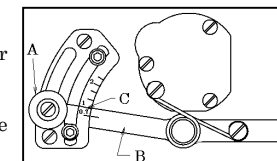


#### 8-3 Differential feed

##### ■ Normal differential feed (to gather the fabric)

To make this adjustment, loosen nut A, move lever B up or down and tighten nut A at the required position.

To obtain a feed ratio of 1:1, align lever B with reading C. To obtain the normal differential feed, raise lever B above reading C. To obtain a feed ratio of 1:2, set lever B at 2.



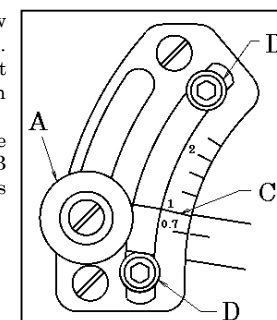
##### ■ Reverse differential feed (to stretch seam the fabric)

To obtain the reverse differential feed, lower lever B below reading C. To obtain a feed ratio of 1:0.7, set lever B at 0.7. To adjust the differential feed ratio during sewing Connect a chain, etc to the lever. Set the upper and lower limits with two stoppers (D).

■ To adjust the differential feed ratio during sewing, move lever B up or down within this range and then set lever B at the required position. The differential feed ratio varies according to the stitch length. See the table below.

##### < Differential feed ratio >

| Stitch length (mm) | Max. normal diff. feed | Max. reverse diff. feed |
|--------------------|------------------------|-------------------------|
| 3.6                | 1:1.2                  | 1:0.7                   |
| 2.5                | 1:1.6                  | 1:0.7                   |
| 2.0                | 1:1.8                  | 1:0.7                   |
| 1.4                | 1:2.0                  | 1:0.7                   |



##### < Note >

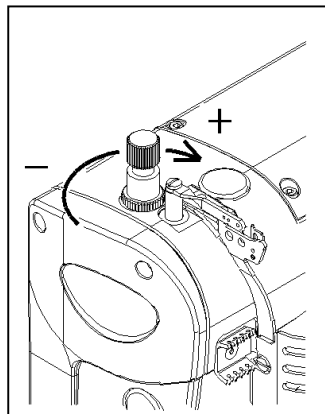
To use the machine with the normal differential feed, check to make sure the feed dogs do not touch the needle plate.

## 【9】PRESSER FOOT

### 9-1 Presser foot pressure

The presser foot pressure should be as light as possible, yet be sufficient to feed the fabric and produce uniform stitches.

To increase the presser foot pressure, turn the adjusting knob clockwise.



### 9-2 Position of the presser foot & foot lift

Fit the presser foot onto the presser bar so that the needle can drop correctly to the center of the presser foot needle drop hole.

#### ■ Position of the presser foot

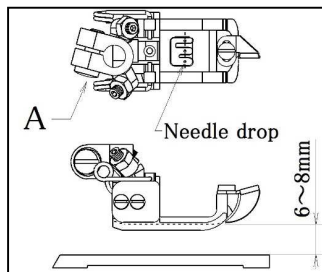
Loosen screw A. Adjust by moving the presser foot left or right while checking to make sure the needle drops correctly to the center of the presser foot needle drop hole.

#### ■ Foot lift

For machines with the spreader, the presser foot should be 6mm above the top surface of the needle plate. Check to make sure presser foot does not touch the spreader with the presser foot in the above position. For machines without the spreader, the presser foot should be 8mm above the top surface of the needle plate.

Set stopper B at the required position.

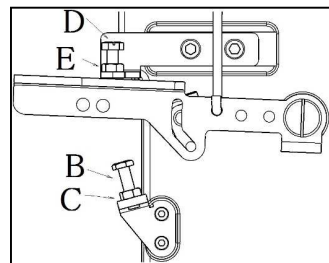
Fasten the presser foot lift lever with nut C so that the lever cannot be lowered.



### 9-3 Adjusting the float-foot

When the adjusting screw D is turned clockwise or counterclockwise, the presser bar lifting lever is pressed down to lift the presser foot.

Adjusting the height of the float-foot according to the sewing condition.



< Note >

In case of the float-foot is not used, use the sewing machine with the screw E moves to top.

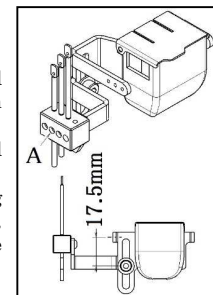
## 【10】STITCH FORMATION

### 10-1 Position of the needle thread guides

The distance from the center of the eyelet of the needle thread guide to that of the set screw should be approximately 17.5mm (see the illustration).

Adjust the height of the thread guides by loosening screws A and moving each thread guide up or down.

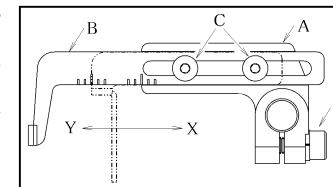
If the stitch formation cannot be changed extremely by adjusting the height of the thread guides because of the thread to be used, unravel the thread after test sewing and adjust the height of the thread guides while checking the tension of the needle thread.



### 10-2 Position of the thread guide on the needle thread take-up

When the needle bar is at the bottom of its stroke, needle thread take-up bracket A should be level and refer to the mark shown in the right figure the position of the thread guide of needle thread take-up B. To make this adjustment, loosen screws C and D.

To tighten the needle thread, move needle thread take-up to Y. To loosen the needle thread, move needle thread take-up to X.

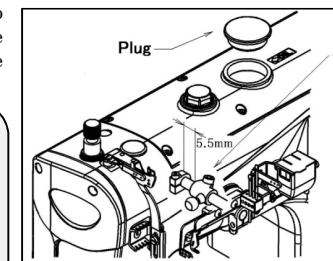


### 10-3 Timing of the needle thread take-up

The timing of the needle thread take-up in relation to the up-and-down movement of the needles can be adjusted. This timing is factory-set to synchronize with the up-and-down movement of the needle bar.

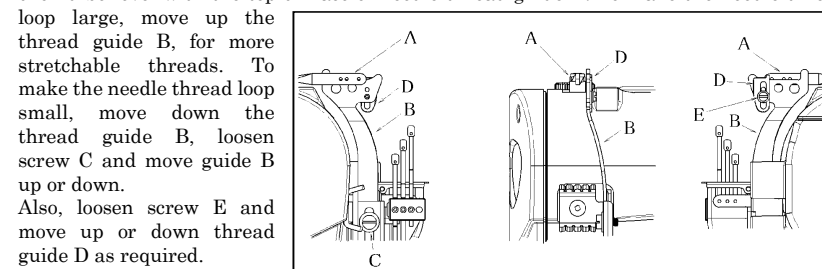
< Note >

The rod ball is factory-set at 5.5mm from the rear end of the shaft. To make the needle thread loop small, move the rod ball to the front. To make the needle thread loop large, move the rod ball to the back. Remove the rubber top plug. Loosen the screw of (A) with a 5mm wrench. Then move the rod ball to the front or back.



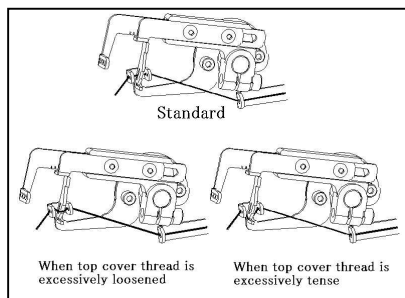
### 10-4 Position of the needle thread guide

When the needle bar is at the bottom of its stroke, the center of the needle bar eyelet A should be level with the top surface of needle thread guide B. To make the needle thread



### 10-5 Position of the thread guide of the spreader thread take-up

When the needle bar is at the top of its stroke, thread any one of parts on the spreader thread take-up with spreader thread. (see the illustration)

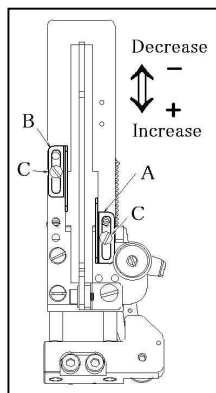


### 10-6 Position of the thread guide of the looper thread take-up

Position of the thread guides A, B according to the amount of looper thread supplied by the looper thread take-up. Center screws C in the slots on thread guides respectively (standard) by adjusting thread guides.

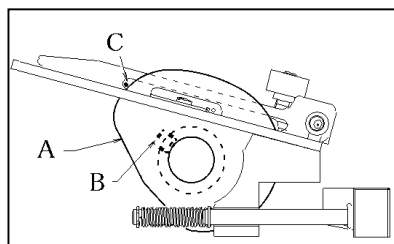
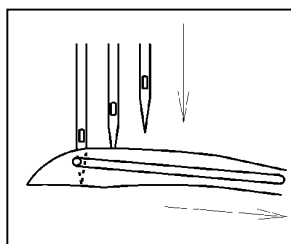
■ To increase the amount of looper thread  
Move the eyelets of A and B to the front.

■ To decrease the amount of looper thread  
Move the eyelets of A and B to the back.



### 10-7 Position of the looper thread take-up

When the point of the left needle descending to the back side of the looper has reached the bottom surface of the looper blade while the looper is moving to the right from the extreme left end of its travel, the looper thread should be removed properly from position C on the looper thread take-up. To make this adjustment, loosen screw B and adjust the looper thread take-up.



## 【11】 EK, EMK-E FRONT KNIFE DEVICE

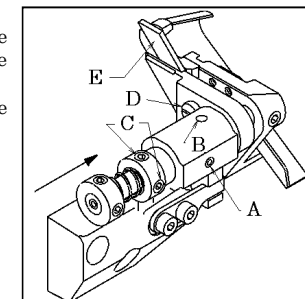
### 11-1 Adjusting and oiling the lower knife holder

Loosen screw A to change the position of the lower knife holder. The upper and lower knife holders can be adjusted left to right simultaneously.

When changing the distance from the right needle to the fabric edge, adjust the lower knife holder.

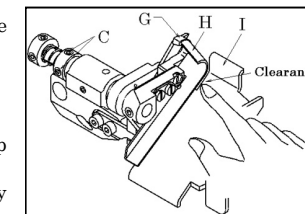
< Note >

Add a small amount of oil to oil hole B periodically.



### 11-2 Replacing the lower knife

1. Loosen screw C on the collar. Move the shaft to the right to provide clearance up and down.
2. Tighten screw C on the right collar temporarily.
3. Loosen screw D.  
Remove lower knife E downward.
4. Align the blade of new lower knife E with the top surface of the needle plate. Tighten screw D.
5. The upper and lower knives are overlapped by loosening screw C on the collar.
6. Place a thread between the knives and check for the proper cutting action by turning the handwheel by hand. Tighten screw C.
7. Check for the proper cutting action again.

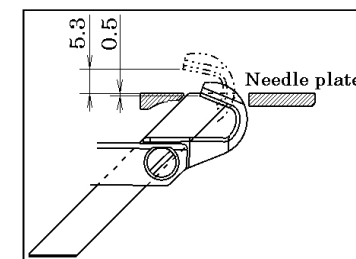
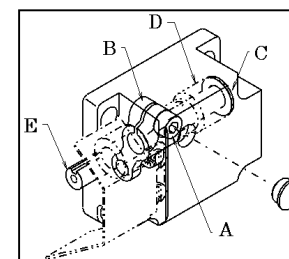


### 11-3 Replacing the upper knife

1. Create clearance up and down between the upper and lower knives (see 12-2 1).
2. Loosen screw F and remove upper knife G.
3. Secure a new knife and then check for the proper cutting action (see 12-2 6).

### 11-4 Overlap of the upper and lower knives

When the upper knife is at the bottom of its travel, there should be approximately 0.5mm overlap of the upper and lower knives. To make this adjustment, loosen screw A on the upper knife shaft lever. Then the upper knife and upper knife holder can be moved up and down simultaneously. Tighten screw A when 0.5mm overlap of the upper and lower knives is obtained. Secure bushing D with upper knife shaft lever B and washer C so that there is no left-to-right shake on upper knife shaft E. Then tighten screw A.

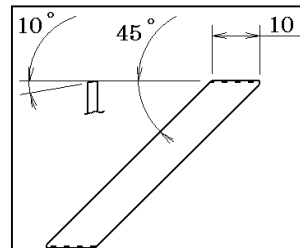


### 11-5 To sharpen the knife

The upper knife is made of an extra hard alloy. When the knives become dull, sharpen the lower knife first (see the illustration). If cutting is still not performed properly, replace the upper knife.

#### < Note >

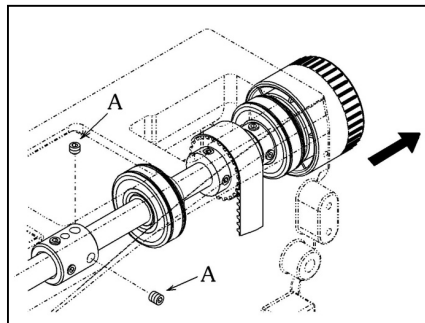
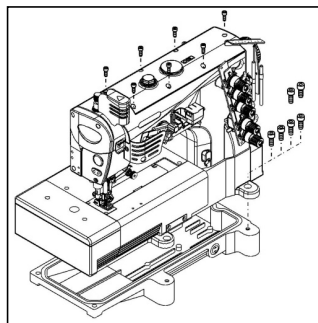
The max.space between the chip guard (H) and the shooter (I) is adjusted under 8mm at the delivery of the factory. If re-adjustment is needed due to repairing job etc., please make sure to adjust it under 8mm.



## 【12】 REPLACING THE TIMING BELT

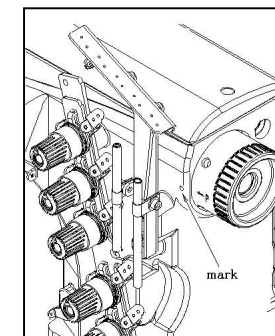
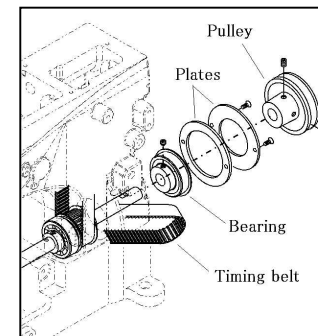
### 12-1 To remove the timing belt

1. Loosen the seven arm cover set screws and the four oil reservoir set screws (see the illustration). Remove each part.
2. Loosen two screws A. Remove the handwheel to the right while turning it slowly (see the illustration).
3. Remove the pulley, plates and bearing in sequence by referring to the illustration. Then remove the timing belt from the hole for the bearing.



### 12-2 To place the timing belt

1. Install the timing belt, bearing, plates, pulley and cover by performing the reverse procedure of 14-1.
2. Position the bearing so that the point of the screw is fitted correctly into the positioning hole on the lower shaft. Then tighten the screw to secure the bearing.
3. Move the looper to the extreme right end of its travel by turning the machine pulley. Bring the needle bar down to the bottom of its stroke by hand.
4. Then place the belt onto the timing pulley on the upper shaft. Tighten two screws A.
5. Bring the needle bar up to the top of its stroke by turning the machine pulley. Check to make sure mark "P" on the handwheel is aligned with alignment mark "O" on the bed.
6. To make a fine adjustment for the timing of the needle and looper, refer to 5-5.

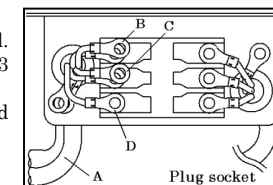


## 【13】 MC31 (TAPE CUTTER)

### 13-1 Power supply cord

Connect electric cord A to ON/OFF switch of machine head. Connect the cords with blue and brown color to 2 of 3 terminal of B, C, D.

The cord with green/yellow color is earth cord which should be connected to earth terminal.

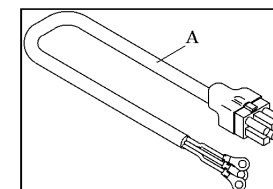


#### < Note >

When connecting electric cord, make sure to turn off the switch of main power source.

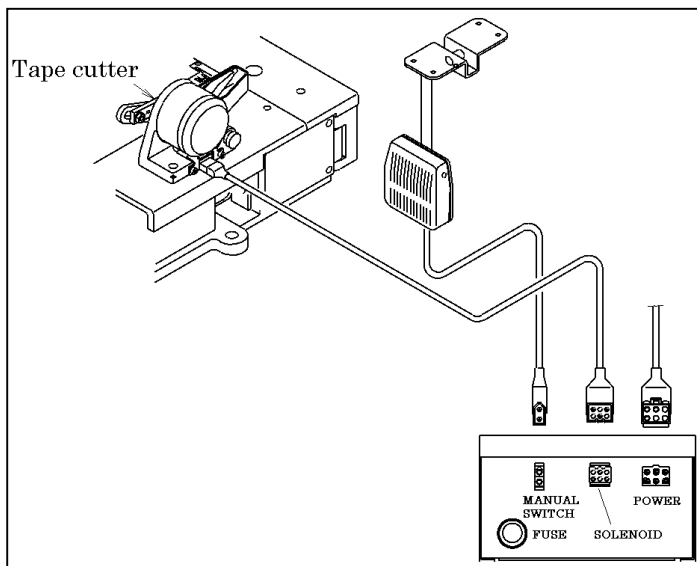
#### < Note >

Be careful in connecting electric cord A to control box. Check the mark of electric cord A and control box. Then, connect them.



### 13-2 Intermediate cord

Connect the cords with referring to the following picture. (also refer to the parts list.)  
After connecting, fix the cords with bands to the proper place under the table.



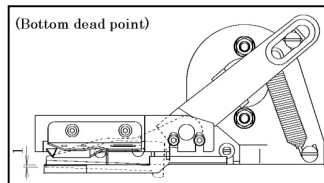
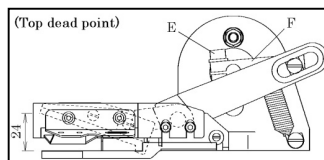
### 13-3 Adjustment (Electric type)

*< Note >  
Make sure to turn off the power (electric and compressed air), before adjusting, cleaning etc.*

#### a) Height of Cutter

Loosen screw E and adjust lever F in order to set 24 mm of the distance between lower cutter and upper cutter at the top position (top dead point). During this adjustment, do not forget to align between surface G (surface of lever F) and edge surface of solenoid shaft.

*< Note >  
After adjusting, drop down upper cutter at the bottom position (bottom dead point) in pulling lever F direction to H. Then, confirm whether upper cutter and lower cutter shall meet each other at 1mm distance or not.*

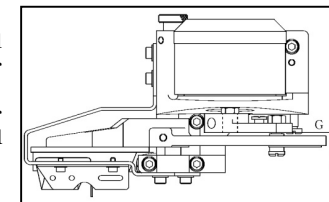


#### b) Overlapping of Cutter

1. Loosen screw I, then loosen screw J until disappearing of pressurized power of upper cutter.
2. Loosen screw K, then adjust screw L in order to overlap properly between upper cutter and lower cutter.

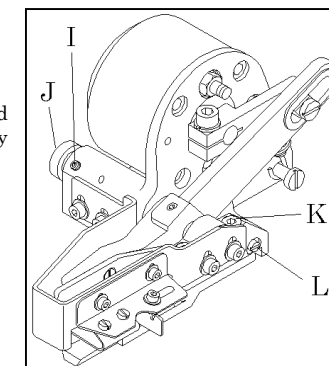
*< Note >*

*When checking the proper overlapping between upper cutter and lower cutter, move upper cutter by your hand.*



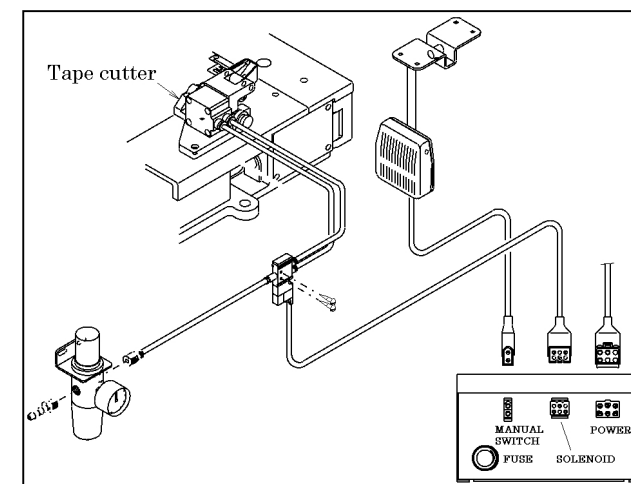
#### c) Power of Upper Cutter

After loosen screw I, then adjust the pressurized power of upper cutter against lower cutter by screw J.



### 13-4 Air piping & wiring (Air type)

Connect the air tube and the electric cords with referring to the following picture. (also refer to the parts list.) After connecting, fix the air tube and the electric cords with bands onto the proper place under the table.



### 13-5 Air pressure

Set the air pressure at 4~5 kg/cm<sup>2</sup> by regulator.

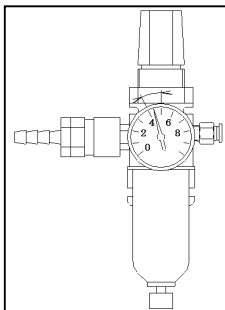
Do not increase the air pressure over 5kg/cm<sup>2</sup>, which may cause trouble.

#### < Note >

Be careful about the remaining compressed air.

Even if stopping the air source at compressor, it is possible to remain compressed air in tube.

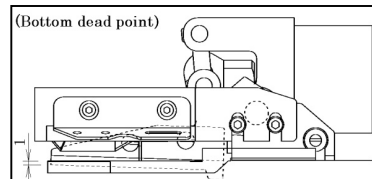
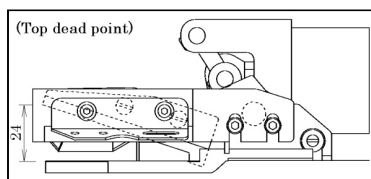
Release the remaining compressed air by regulator.



### 13-6 Adjustment (Air type)

#### a) Height of Cutter

Loosen screw K and adjust lever L in order to set 24 mm of the distance between lower cutter and upper cutter at the top position (top dead point).



#### < Note >

Make sure to turn off the power (electric and compressed air), before adjusting, cleaning etc.

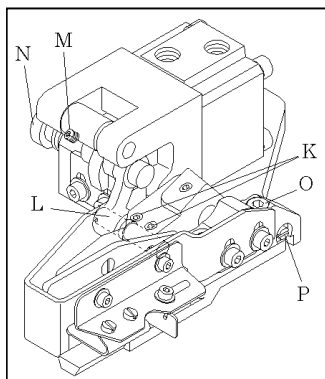
After adjusting, drop down upper cutter at the bottom position (bottom dead point). Then, confirm whether upper cutter and lower cutter shall meet each other at 1 mm distance or not.

#### b) Overlapping of Cutter

1. Loosen screw M, then loosen screw N until disappearing of pressurized power of upper cutter.
2. Loosen screw O, then adjust screw P in order to overlap properly between upper cutter and lower cutter.

#### < Note >

When checking the proper overlapping between upper cutter and lower cutter, move upper cutter by your hand.



#### c) Power of Upper Cutter

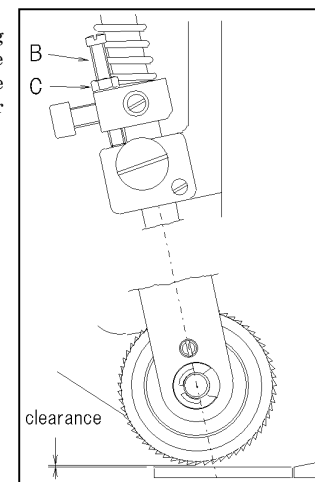
After loosen screw M, then adjust the pressurized power of upper cutter against lower cutter by screw N.

## [14] ADJUSTING THE REAR PULLER

### 14-1 Position of the hand lever and the stopper

Pull the upper rear puller up in the time of releasing the fabric. In case of using thick fabric, should have some space between the upper rear puller and the bottom rear puller in condition of the upper rear puller is the bottom of its stroke.

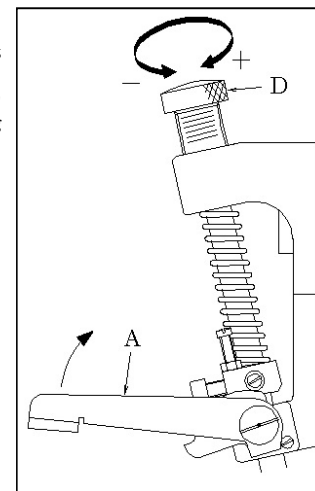
Adjust by stopper B.



### 14-2 To adjust the puller pressure

The puller pressure should be as light as possible, yet be sufficient to feed the fabric smoothly.

To increase the pressure, turn adjusting knob D clockwise. To decrease the pressure, turn adjusting knob D counterclockwise.



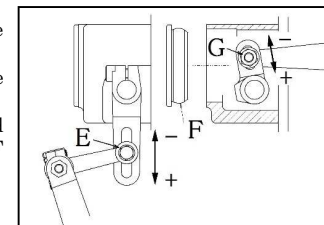
### 14-3 To adjust the feeding amount of the rear puller

The feeding amount of the rear puller should be the same as that of the feed dog.

Loosen screw E. To decrease the amount, move upward. To increase the amount, move downward. If the proper feeding amount is still not obtained after the above adjustment, remove rubber plug F and loosen nut G with a hex wrench.

To decrease the amount, move upward.

To increase the amount, move downward.



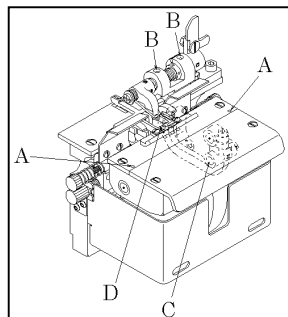
## 【15】 THE ADJUSTMENT OF CUTTING DEVICE

### 15-1 The specifications for NW2202GC/GPC

1. Needle bar stroke ..... 31mm
2. Upper knife stroke ..... 5.5mm
3. Cutting size ..... 16~44mm
4. Finishing size ..... 8~20mm

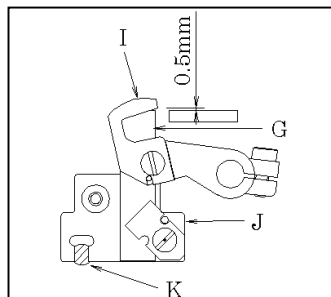
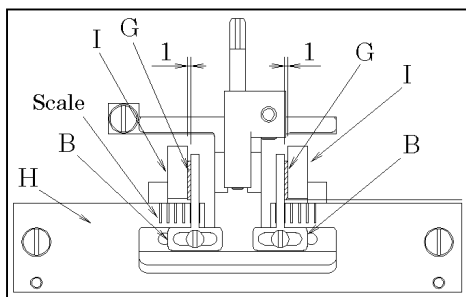
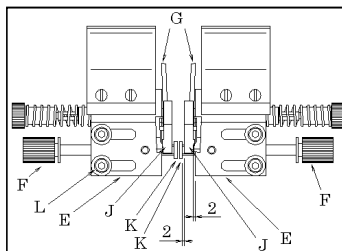
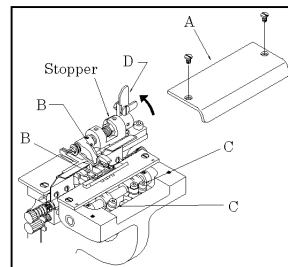
### 15-2 Lubrication

Fall a few oil drops sometime.



### 15-3 Adjustment of cutting width

- Remove the base cover of the knife also open the front cover and side cover.
- Remove the upper knife shaft's cover A.
- Loosen B screw on the support presser foot located on the front presser foot, C screw on upper knife bracket. And push the lever D up for lifting the front presser foot.
- Loosen the screw L on the stationary knife bracket E then adjust the stationary knife position by dialing the screw F according to the scale on the front needle plate. After that tighten the screw L temporary.
- Turn the hand pulley to position the needle bar at the bottom of its stroke.
- Touch the upper knife I with stationary knife G, then tighten up the screw on the upper knife bracket C after place the point of the upper knife I in 0.5mm higher than the stationary knife G.
- Loosen the screw on the stationary knife bracket base E for adjustment to have some space between the stationary knife bracket J and the stationary knife bracket base E and more the stationary knife bracket J and the stationary knife bracket supporter K for cutting fabrics well after that re-tighten the screw on the stationary knife bracket E.
- The support presser foot B positioned 1mm from the upper knife.



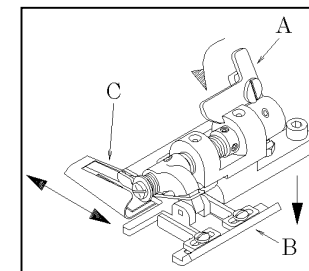
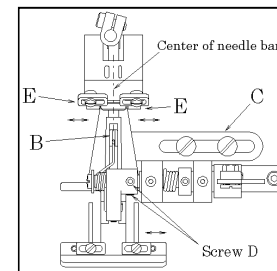
### 15-4 Replacement for folder

<The way of removable>

- Remove the screw on the folder C.
- Positioned the needle bar at bottom of its stroke.
- Lift up the main presser foot then keep the front presser foot up with lever A.
- Remove the folder C with pushing in front part of the front presser foot down.

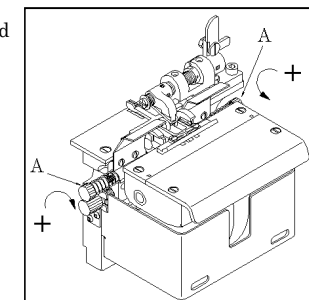
<The way of setting the folder>

- Positioned the center of the folder C against the center of needle bar then tighten the screw on the folder C.
- Positioned the point of back side of front presser foot against the center of the folder C by loosen the screw D.
- Hold the point of folder C between both of guide E.



### 15-5 Adjustment of knife pressure

Should be adjusted by dialing the screw A depend on fabrics.

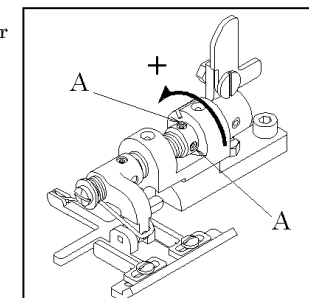


### 15-6 Adjustment of the front presser foot pressure

Loosen the screw A on the color to turn it up or down.

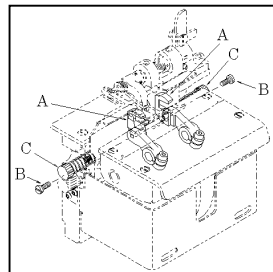
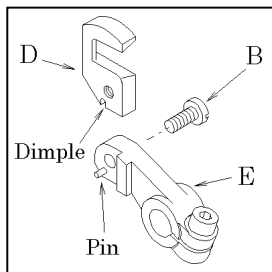
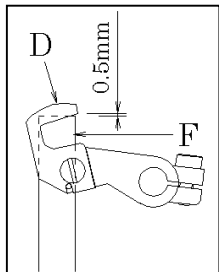
Turn it up, the pressure are increase.

Turn it down, the pressure are decrease.



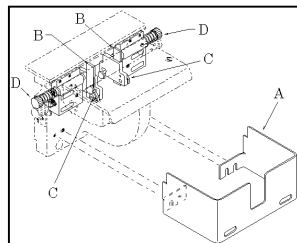
### 15-7 Replacement of upper knife

- Remove the upper knife by loosen the screw B and pushing the pressure adjustment dial C.
- Set the dimple of new upper knife in the pin on upper knife bracket E.
- Check the position of upper knife is located in 0.5mm higher than stationary knife.
- Check the sharpness of knife by turning on the hand pulley.

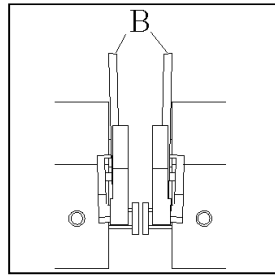
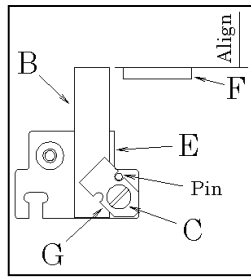
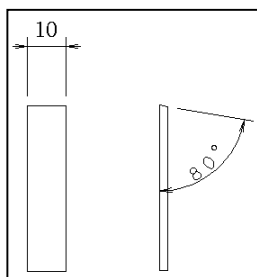


### 15-8 Replacement of stationary knife

- Remove the knife cover base A.
  - Remove the stationary knife B by loosen the screw C then pushing the pressure adjustment dial D.
  - Set the new stationary knife carefully in the stationary knife bracket E. The position of the point of stationary knife should be align with surface of the support needle plate. Then tighten the screw C.
- In this time, the impel of the stopper for the stationary knife G should be match with the pin.



■ When the stationary knife was not cutting well, the knife have to be sharpen on a whetstone. Refer to diagram.

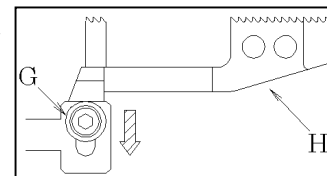
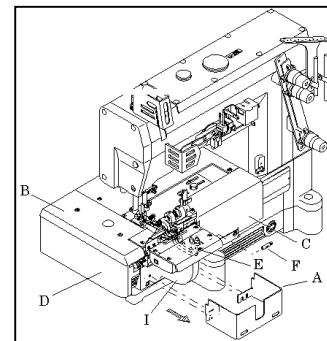


### 15-9 The way of remove of cutting device

Must be remove the cutting device when the gauge conversion or the gauge adjustment are altered. Additionally, in case of the cutting size were fixed less than 20mm width, widen the upper knife bracket and the stationary knife base bracket more than 20mm width.

#### <Remove>

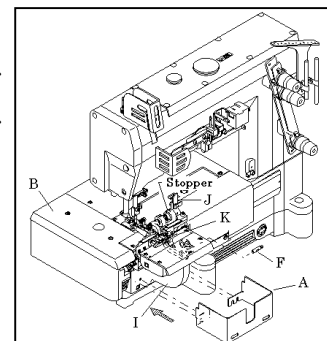
- Remove side base cover B and cutting device cover A.
- Open the front cover C and the side cover D.
- Loosen the screw E then remove the link pin F.
- Turn the hand pulley to positioned the needle bar at the bottom of its stroke then loosen the screw G to make lower position for the support feed dog H.
- Remove the cutting device bracket in front.



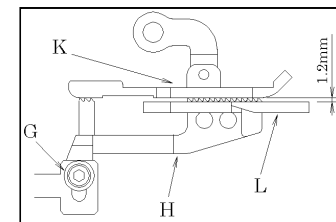
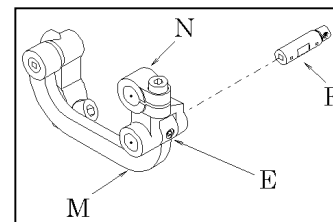
■ A positioning pin is fit the cutting device bracket so that move it off with screwdriver slowly.

#### <Replacement>

- Replace the cutting device I.
- Turn the hand pulley to positioned the needle bar at the top of its stroke then adjust the tip of support feed dog to positioned 1.2mm higher from the surface of support needle plate in condition of the support presser foot is the down position.
- Fit the connecting link M into the upper knife connecting lever N then put the link pin F into the hole.
- Replace the cutting device bracket cover A and side cover base B.

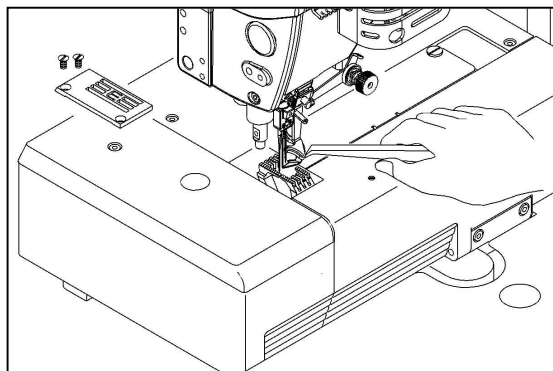


■ Re-adjust the cutting width. Refer to 15-3.



#### 【16】 CLEANING THE MACHINE

At the end of each day, remove the needle plate and clean the slots of the needle plate and the area around the feed dogs.



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# *UT Series Instruction Manual*

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## **INTRODUCTION**

*Thank you for your purchasing Kansai Special's NW NL/UT Series.*

*Read and study this instruction manual carefully before beginning any of the procedures and save it for later use.*

*This instruction manual describes adjustments and maintenance procedures for the thread trimmer.*

*Refer to the NW Series instruction manual for other information.*

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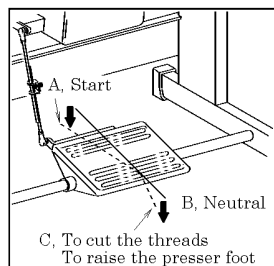
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## [1] HOW TO USE THE THREAD TRIMMER

< Note >

Do not use this thread trimmer with no fabric under the presser foot.

- Pressing the pedal with toe (position A) starts the machine. Releasing the pedal (position B) stops the needle at the top/bottom of its stroke (adjustable with the motor).
- If the needle stops at the bottom of its stroke as adjusted, pressing the pedal with heel (position C) raises the needle. As soon as the needle stops at the top of its stroke by pressing the pedal with heel, the thread trimmer gets actuated (if the needle stops at the top of its stroke as adjusted, the thread trimmer gets actuated by pressing the pedal with heel).
- Returning the pedal to position B lowers the presser foot.
- The presser foot can be raised or lowered freely by releasing the pedal (position B) or pressing the pedal with heel (position C) until the pedal is placed at position A for the next sewing operation after the threads are cut.

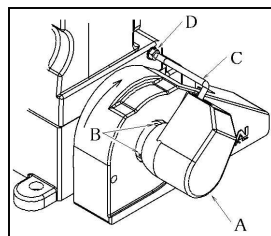


## [2] INSTALLING THE POSITION DETECTOR

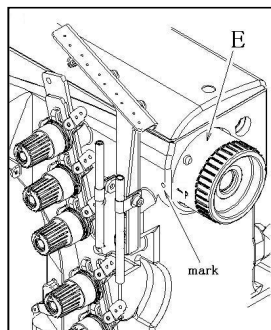
- Install position detector A and tighten screw B temporarily.
- Fit positioner bar C onto the guide groove of the position detector. Then tighten screw D.
- Turn on the motor.

< Note >

Remove the connector for the thread trimmer cylinder. Make sure the knife is retracted all the way.



- Press the pedal with heel after two to three stitches are formed by pressing the pedal with toe. Then the needle stops.
- Loosen screws B for the position detector. Turn the machine pulley while checking that the position of screws B is not shifted. Align mark P on handwheel E with the alignment mark on the arm. Then the needle bar is at the top of its stroke. Tighten screws B to secure the position detector.
- Check to see if the needle bar stops at the top of its stroke by pressing and then releasing the pedal.

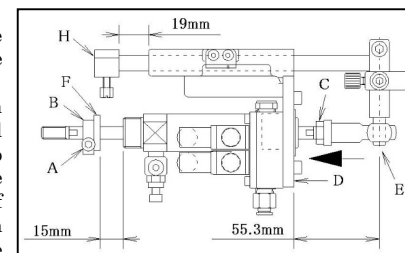


## [3] ADJUSTING THE THREAD TRIMMER AIR CYLINDER

### 3-1 Air cylinder stroke

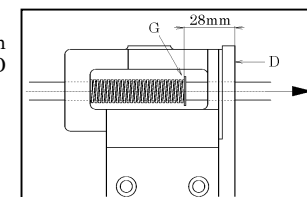
The stroke of the air cylinder should be approximately 15mm. Adjustment is made by loosening collar B and screw A.

There should be a clearance of 15mm between rubber cushion F and the rear end of the cylinder. Position joint shaft E so that the distance from left end of the cylinder mounting bracket D to the center of joint shaft E is approximately 55.3mm when the cylinder retracts. Adjustment is made by loosening nut C. In these conditions, there should be a clearance of approximately 19mm between thread releaser block H and cylinder mounting bracket D.



### 3-2 Air cylinder return spring

There should be a clearance of approximately 28mm between ring G and air cylinder mounting bracket D when the plunger of the air cylinder protrudes.

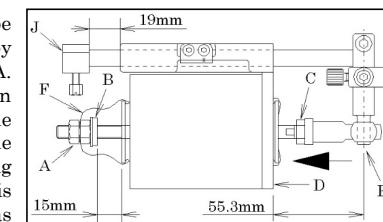


## [4] ADJUSTING THE THREAD TRIMMER SOLENOID

### 4-1 Solenoid stroke

The stroke of the solenoid should be approximately 15mm. Adjustment is made by removing rubber cover F and loosening screw A.

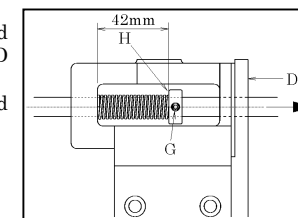
There should be a clearance of 15mm between rubber cushion B and the rear end of the solenoid. Position joint shaft E so that the distance from the left end of solenoid mounting bracket D to the center of joint shaft E is approximately 55.3mm when the solenoid has retracts. Adjustment is made by loosening nut C. In these conditions, there should be a clearance of approximately 19mm between thread releaser block J and solenoid mounting bracket D.



### 4-2 Adjusting the solenoid return spring

There should be a clearance of 42mm between solenoid return spring collar H and solenoid mounting bracket D when the plunger of the solenoid protrudes.

Adjustment is made by loosening screw G on solenoid return spring collar H.



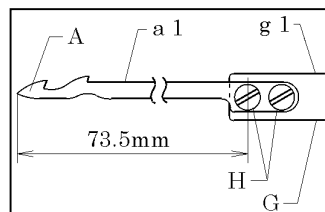
## [5] ADJUSTING THE THREAD TRIMMER

### 5-1 Position of the movable knife and the stationary knife

#### ■ Position of the movable knife

Set the (a 1) part of the movable knife A parallel to the (g 1) part of the stationary holder G.

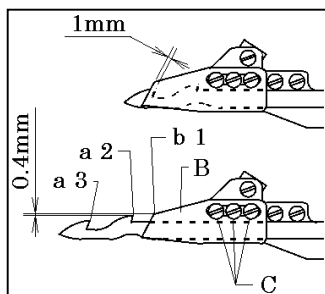
Set the distance from point of movable knife A and the center of left screw H at approximately 73.5mm.



#### ■ Relation between the stationary knife and the movable knife.

Adjust the engagement between blade (a 3) for trimming looper thread and stationary knife to be 1mm when movable knife is at the extreme right.

So that between the point of blade (a 2) for cutting needle thread and corner (b 1) of stationary knife B to be 0.4mm. The adjustment is made by loosening screw C. Note that the looper thread clamp spring is simultaneously loosened.

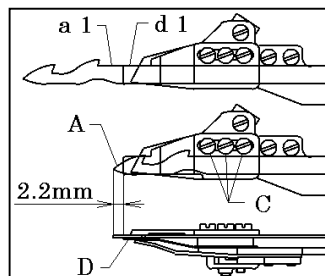


### 5-2 Adjusting the looper thread clamp spring

Position of looper thread clamp spring D so that the part (a 1) of movable knife and the part (d 1) of looper thread clamp spring are on the same plane.

And adjust it will protrude approximately 2.2mm from the point of movable knife A when movable knife is at the extreme right.

Adjustment is made by loosening screw C.

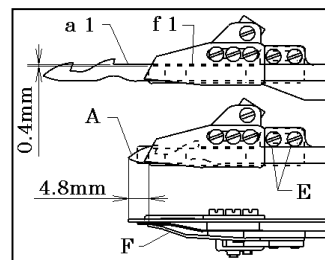


### 5-3 Adjusting the movable knife pressure spring

Position of movable knife pressure spring F so that the part (a 1) of movable knife parallel to the part (f 1) of movable knife pressure spring.

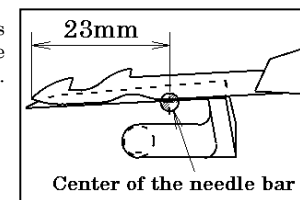
And adjust it will protrude approximately 4.8mm from the point of movable knife A when movable knife is at the extreme right.

Adjustment is made by loosening screw E.

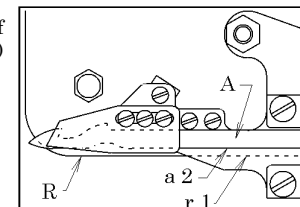


### 5-4 Adjusting the movable knife holder left and right

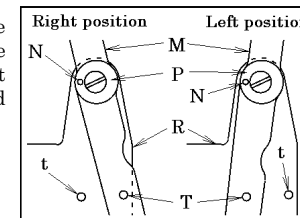
With movable knife A at the extreme left end of its travel, there should be a distance of 23mm from the center of the needle bar to the point of movable knife A.



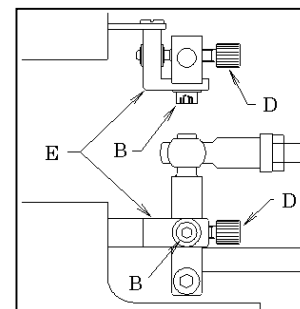
#### ■ When the movable knife is at the extreme right end of its travel, Align the part (a2) of movable knife (A) parallel with the part (r1) of knife holder plate (R).



#### ■ Easy test for checking the correct travel of the movable knife is to agree the mark (T) of driving lever (M) to the mark (t) of knife holder plate (R) at the extreme right end or left end of its travel. The left side is a standard position for the mark (N) of guide lever ring (R).

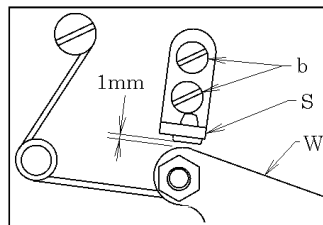


#### ■ The adjustment of its travel is made by dial screw D. Loosening screw B on the blacket E then dialing screw D. After that, tighten screw B on the blacket E.



### 5-5 Adjustment of stopper for stationary knife base

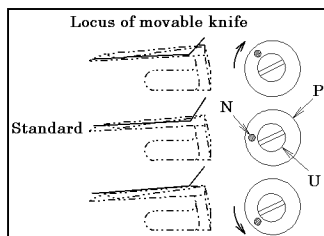
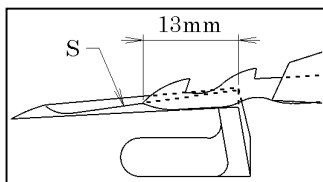
The clearance is approximately 1mm between the stationary knife base W and the stopper S, when the stationary knife base get in position.



### 5-6 Adjusting the movable knife front to back

To adjust the movable knife front to back, alignment line (S) of movable knife over the looper with the point of movable knife 13mm moved to the left from the right end of looper.

To adjust, when loosening screw U and turning lever ring P clockwise, the movable knife point moves forward and turning it counterclockwise, the point moves backward.



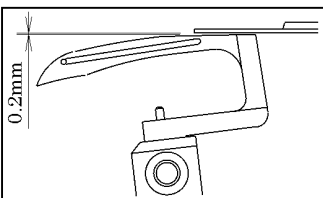
### 5-7 Adjusting the movable knife up and down

There should be a clearance of 0.2mm between movable knife and the top surface of looper.

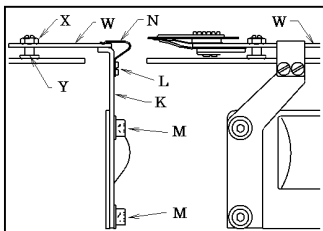
The adjustment is made by loosening nut X and moving stationary knife holder (W).

After the above adjustment, make sure the movable and stationary knife holders move smoothly.

Do not adjust this clearance by changing the height of the looper. Otherwise it may cause skip stitching.



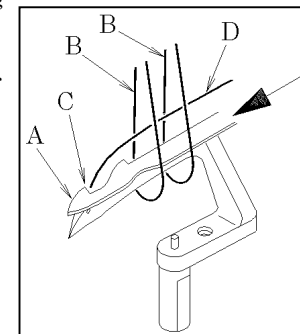
And after that, hold the stationary knife base softly between the stationary knife base's guide K and the stopper of stationary knife base's spring N. Adjust by screw M and L.



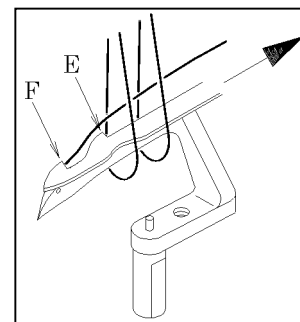
### 5-8 Relationship between the movable knife, needle thread and looper thread

After all the adjustments are made, check the following before threading to start the machine.

- Movable knife A should enter needle thread loops B. Cutting edge C for the looper thread should pass looper thread D.



- When the movable knife is returning home, the needle threads and looper thread are pulled to the right by cutting edges E and F and cut by the stationary knife.



### 5-9 Looper thread clamp spring pressure

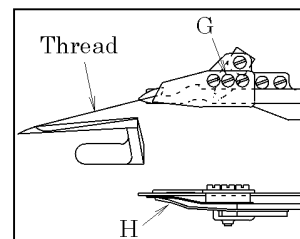
The looper thread clamp spring holds the looper thread after it is cut. To adjust the pressure of thread clamp spring H, turn adjusting screw G.

To increase the pressure, turn it clockwise.

To decrease the pressure, turn it counterclockwise.

The machine is supplied with a spun thread (#60).

The pressure of the thread clamp spring is factory-set at approximately 90g. Adjust the pressure for other threads.

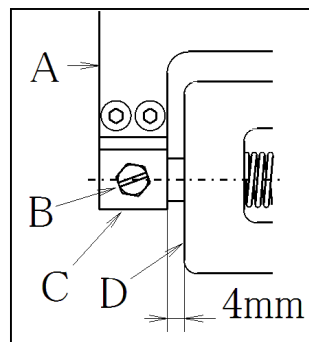


## [6] ADJUSTING THE THREAD RELEASER

### 6-1 Thread releaser block

With the thread trimmer air cylinder rod or the solenoid rod at the left end of its travel (the air cylinder is not operating), there should be a clearance of 4.0mm between the thread trimmer air cylinder bracket D and thread releaser block C.

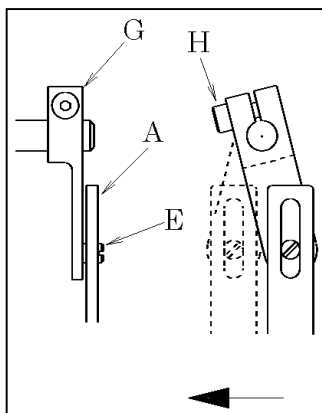
After this adjustment, tighten screw B.



### 6-2 Thread releaser connection plate

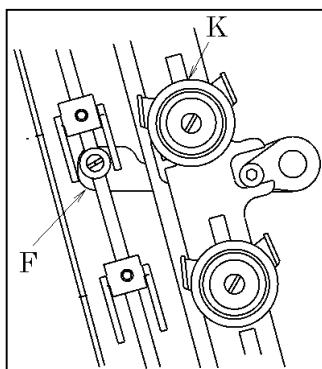
Fit thread releaser connection plate A onto guide screw E with a clearance between A and thread releaser connection lever G.

Adjustment is made by loosening screw H.



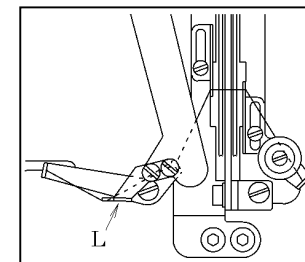
### 6-3 Thread releaser lever

When thread releaser block C operates, thread tension disk K should open as fast as possible. To make this adjustment, position thread releaser lever F and then tighten screw H on thread releaser connection lever G at the rear end of the arm.



### 6-4 Looper thread take-up

This machine is equipped with looper thread take-up L. Thread looper thread take-up L with a looper thread.

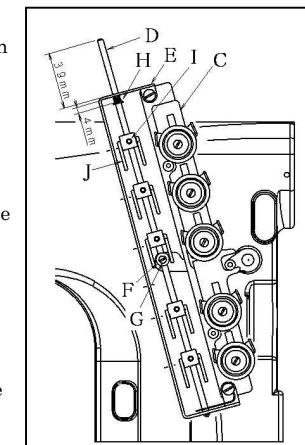


### 6-5 Thread releaser plate

The thread tension disks should open as fast as possible. To make this adjustment, loosen screw B on thread releaser plate adjusting collar A and then adjust the position of thread releaser plate C.

With the upper end of thread releaser bar D 39mm protruded from the top surface of thread releaser bar guide E, secure thread releaser bar D on thread releaser connection plate F with screw G.

In the above condition, the length of spring H should be approximately 4mm.



### 6-6 Thread releaser hook

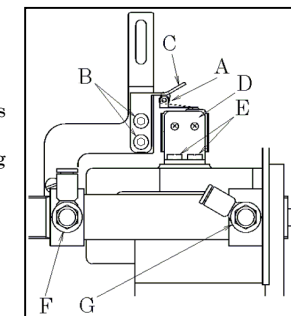
The needle thread should not be shown long on the back of the fabric. Adjustment is made by loosening screw I and positioning thread releaser hook J.

To decrease the amount of thread to be supplied, raise the thread releaser hook. To increase the amount of thread to be supplied, lower the thread releaser hook. Do not decrease the amount too much.

Otherwise stitches at the start of sewing will not be formed.

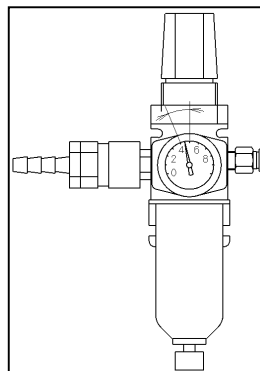
## [7] SAFETY DETECTOR

■ The safety detector is included so that the machine will not run if the thread trimmer does not return home safely after the operation. Switch A on the safety detector must be ON (switch A is pressed) during sewing (the thread trimmer is completely at home). Adjustment is made by loosening screws B and E and moving brackets C and D as required.



## 【 8】 ADJUSTING THE SPEED CONTROLLER AND AIR PRESSURE (UTA)

- Speed controller F controls the speed when the thread trimmer knife holder protrudes. Speed controller G controls the speed when the thread trimmer knife holder retracts. If screw F is too loosened, the holder will protrude too fast and then the position of the movable knife will be unstable, causing cutting error. If screw G is too loosened, the holder will retract too fast and then the looper thread may not be held properly (the speed controllers are factory-set).

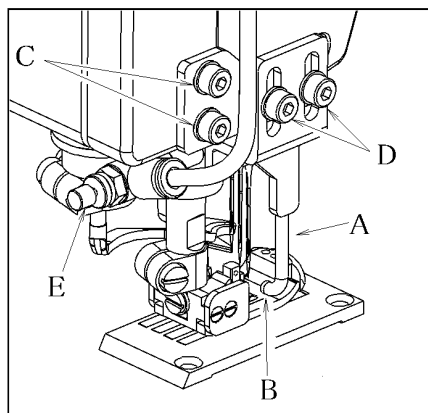
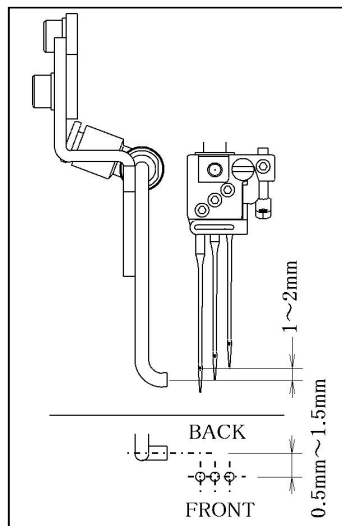


### < Note >

Set the regulator at 4~5kg/cm<sup>2</sup>. To increase the pressure, turn the adjusting knob clockwise. Too fast speed will give a shock to the knife holder. Then the threads will be cut before they are caught by the knife or the threads will not be held properly. It may cause trouble.

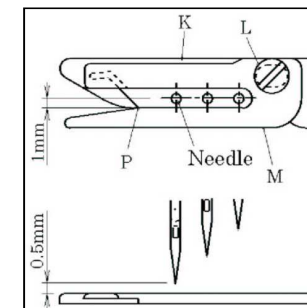
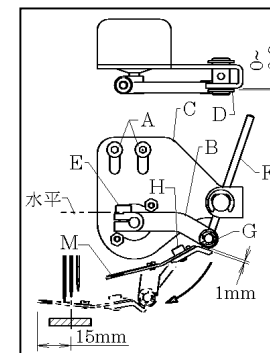
## 【 9】 AIR WIPER ADJUSTMENT (UTA, UTAB)

- When the needle bar is at the top of its stroke, position air blowing outlet B 1~2mm below the left needle's eye. Loosen screw D and air wiper up or down required.
- The position of air blowing outlet B should be 0.5~1.5mm from backside of the needles. Loosen screw C and air wiper front or back required.
- Adjusting amount of blowing air by adjust screw E.



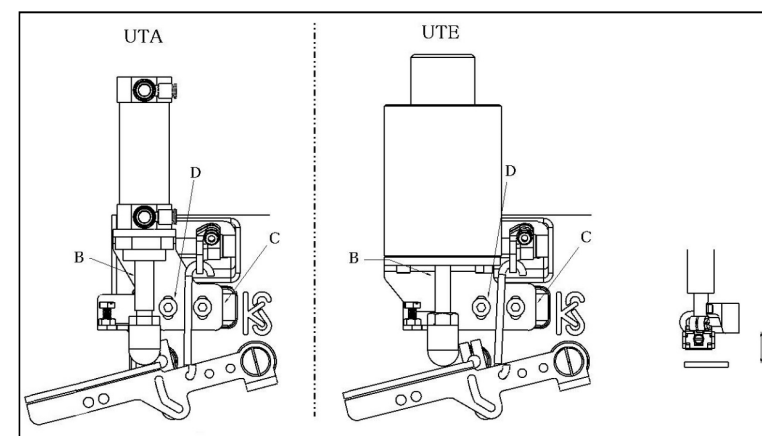
## 【 10】 THREAD WIPER ADJUSTMENT (UTE)

- Tighten screw E to position lever B horizontally. There should be a 0 to 0.3mm clearance between bracket C and stopper ring D.
- Position thread wiper K with screw H. The distance between the left end of the thread wiper and the center of the needle bar should be approximately 15mm when the thread wiper is all the way to the left and clearance between the needle center and point P of the thread wiper should be approximately 1mm.
- The distance between the left needle and thread wiper K should approximately 0.5mm with screw A.
- Position of thread wiper K is parallel with flat spring M with screw L.



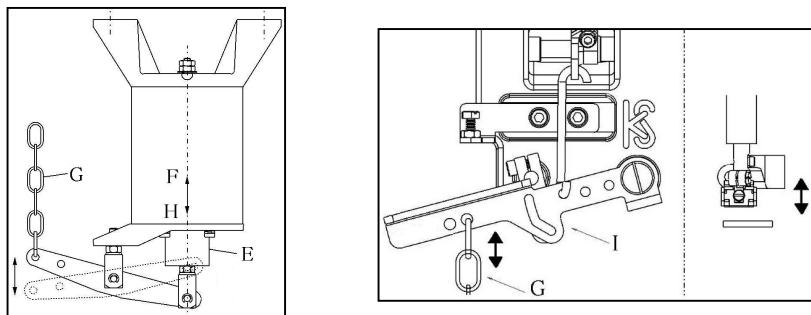
## 【 11】 ADJUSTING THE PRESSER FOOT LIFT

- Foot lift on the machine with spreader 6mm above the top surface of the needle plate
- Foot lift on the machine without spreader 8mm above the top surface of the needle plate
- To make these adjustment, loosen screw D. Move bracket C up or down.



### ■ Electric presser foot lifter for P-UTE

When plunger E moves in direction of F, the presser foot should be 6mm or 8mm above the top surface of the needle plate. Adjust by using chain G. Note that there is a little slack on chain I when plunger E moves in the direction of H. Then make sure the presser foot whether or not the floating when the machine running.

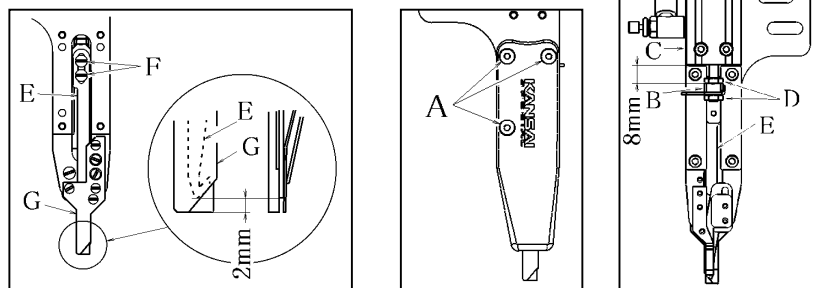


## 【 12 】 ADJUSTING THE TOP COVER THREAD TRIMMER

### 12-1 Relationship between the position of the movable knife and the stationary knife

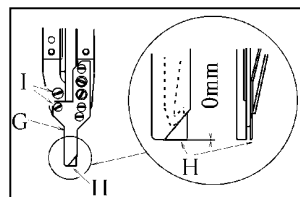
When the movable knife E retracts all the way, Set the clearance between mount bracket B and the end of the air cylinder C at 8mm. Tighten nut D.(Model for UTA)

When the movable knife E retracts all the way, Set the clearance between the end of fixed knife G and the top of the movable knife E at 2mm. Loosen screw A to open the cover, then loosen screw F and adjust knife position.



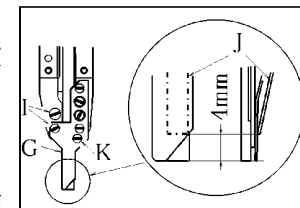
### 12-2 Adjusting the top cover thread clamp spring

Top cover thread clamp spring H should parallel and same line with end of the stationary knife G. Loosen screws I and adjust spring H



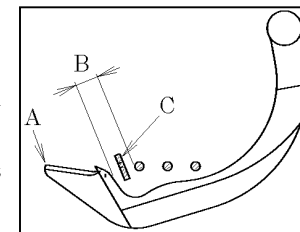
### 12-3 Adjusting the top cover thread rear spring

Top cover thread rear spring J should parallel and set to approximately 4mm from end G of the stationary knife. Loosen screws I and adjust spring J



### 12-4 Adjusting the thread clamp pressure

The spring H holds the top cover thread after it is cut. To adjust the pressure of the spring, turn adjusting screw K. To increase the pressure, turn it clockwise. To decrease the pressure, turn it counterclockwise.

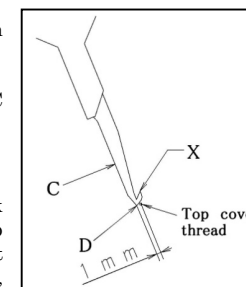


### 12-5 Adjusting the movable knife left to right

Movable knife C should pass clearance B between spreader A and the left needle. Loosen screw H for bracket G. Adjust movable knife C while checking it does not touch spreader A or the left needle.

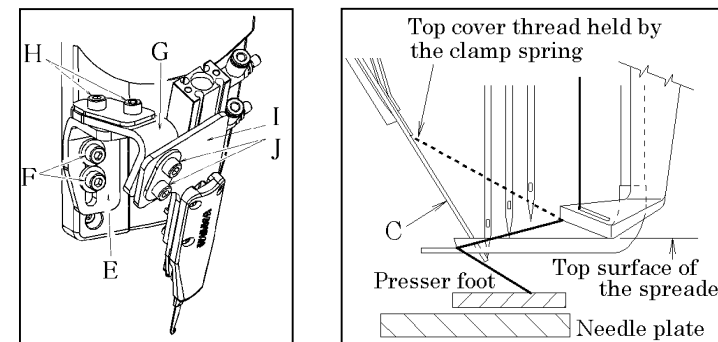
### 12-6 Adjusting the movable knife front to back

The movable knife should hook the top cover thread when the movable knife returns home. Loosen screws J on movable knife installation base I. Set the clearance between hook end D of movable knife C and the top cover thread at approximately 1mm.



### 12-7 Adjusting the height of the movable knife

When the movable knife is at the bottom of its travel, hook point X of the movable knife should be aligned with the top surface of the spreader. Then tighten screws F when bracket E is in the lowest position. In case of the UTE series, adjustment is made by moving stoppers A. Loosen screw B for stopper. (See the illustration on the next page)

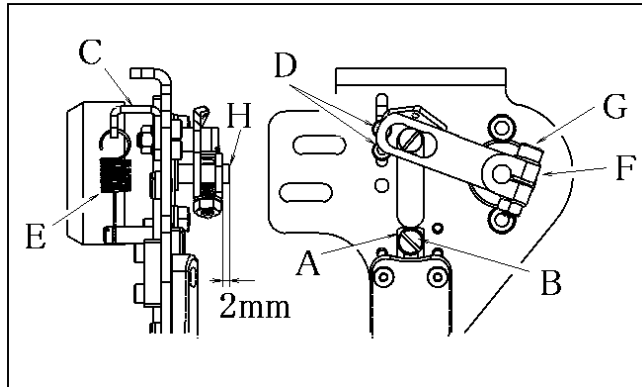


< Note >

Turn off the motor, position the fabric under the presser foot and then adjust by hand.

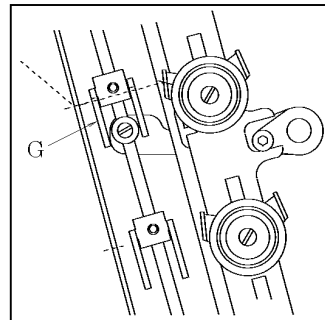
### 12-8 Adjusting the solenoid return spring (UTE)

To adjust the returning pressure of the movable knife, loosen screw D for spring hook C and move spring hook C up or down. To increase the pressure, move up hook C. To decrease the pressure, move down hook C. The pressure of spring E should be as light as possible, yet be sufficient to return the movable knife home correctly when the solenoid gets actuated. Set the clearance between drive lever F and solenoid shaft H at approximately 2mm. Then tighten screw F for drive lever B.



### 12-9 Adjusting the top cover thread releaser hook

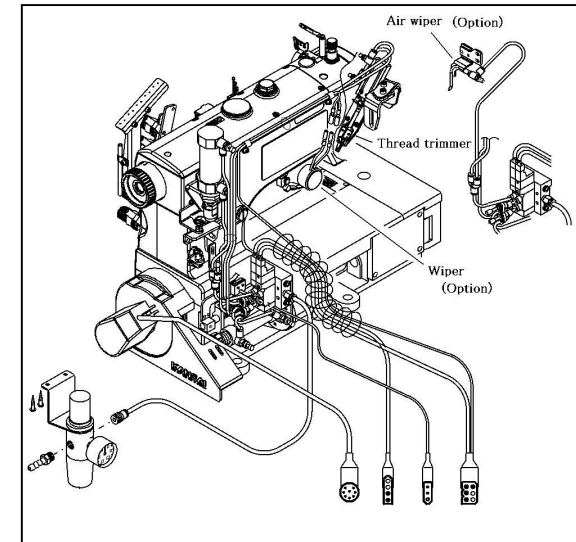
To decrease the amount of the thread supplied by the thread take-up, move up thread releaser hook G. To increase the amount of the thread supplied by the thread take-up, move down thread releaser hook G. If the amount is too small, the top cover thread cannot be held after it is cut.



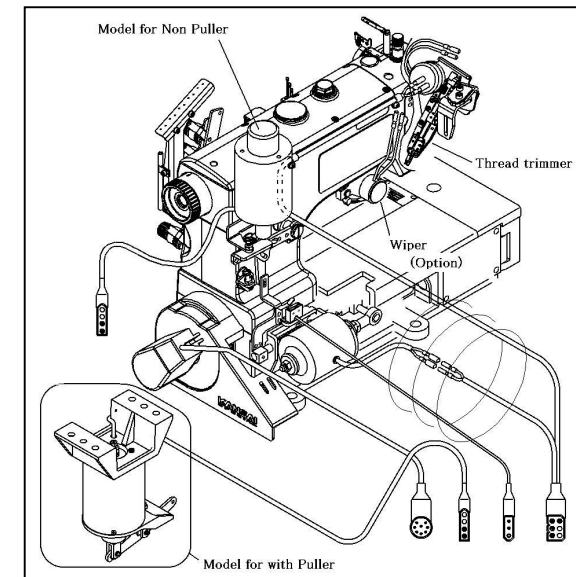
## 【 13 】 WIRING AND PIPING FOR PNEUMATIC DEVICES

### ■ Model for UTA

Connect air lines and cords by referring to the illustration below and the parts list.



### ■ Model for UTE



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