

# PARTS LIST & INSTRUCTION

# *NFS GF SERIES*

## Industrial Sewing Machines

*NFS6604GF / S, SL, LM, MH, MH-B / DD*

*2018 年 3 月 初版 発行*

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No. 180015

**KANSAI**  
SPECIAL®

■このパーツブックは、2018年3月製造中のNFSシリーズのデータに基づいて作成されたものです。

■This parts book is based on data current March 2018.

■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。

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

■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。

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

■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。

■Parts are subject to change without notice.

## NFSシリーズ 表示方法

## NFS SERIES INFORMATION

■ NFS6604GFは密閉式4本針フラットシーム用腕送り出しミシンです。

NFS6604GF is 4-needle FLAT-SEAMER feed off the arm machine with new oil protection equipment.

■針幅です。(5.2mm 又は 6.0mm)

Needle width (5.2mm or 6.0mm)

NFS 6 6 0 4 GF LM - DD - 52

■ GF: レバー式送り調整仕様

With a adjust lever for feed amount

■DD: ダイレクトモーター仕様

Direct motor

■ S : 4本針6本糸 片切り、薄物及び中厚物ニット等の合わせ縫い。

4-Needle 6-Thread, For Light to medium weight fabric. Trimming left side edge.

■ SL : 4本針6本糸 片切りテープ付けです。

4-Needle 6-Thread, One side fabric trimmer for tape attaching

■ LM : 4本針6本糸 両切り、薄物及び中厚物ニット等の合わせ縫い。

4-Needle 6-Thread, For Light to medium weight fabric. Both side fabric trimmer.

■ MH : 4本針6本糸 両切り、中厚物及び厚物ニット等の合わせ縫い。

4-Needle 6-Thread, For medium to Heavy weight fabric. Both side fabric trimmer.

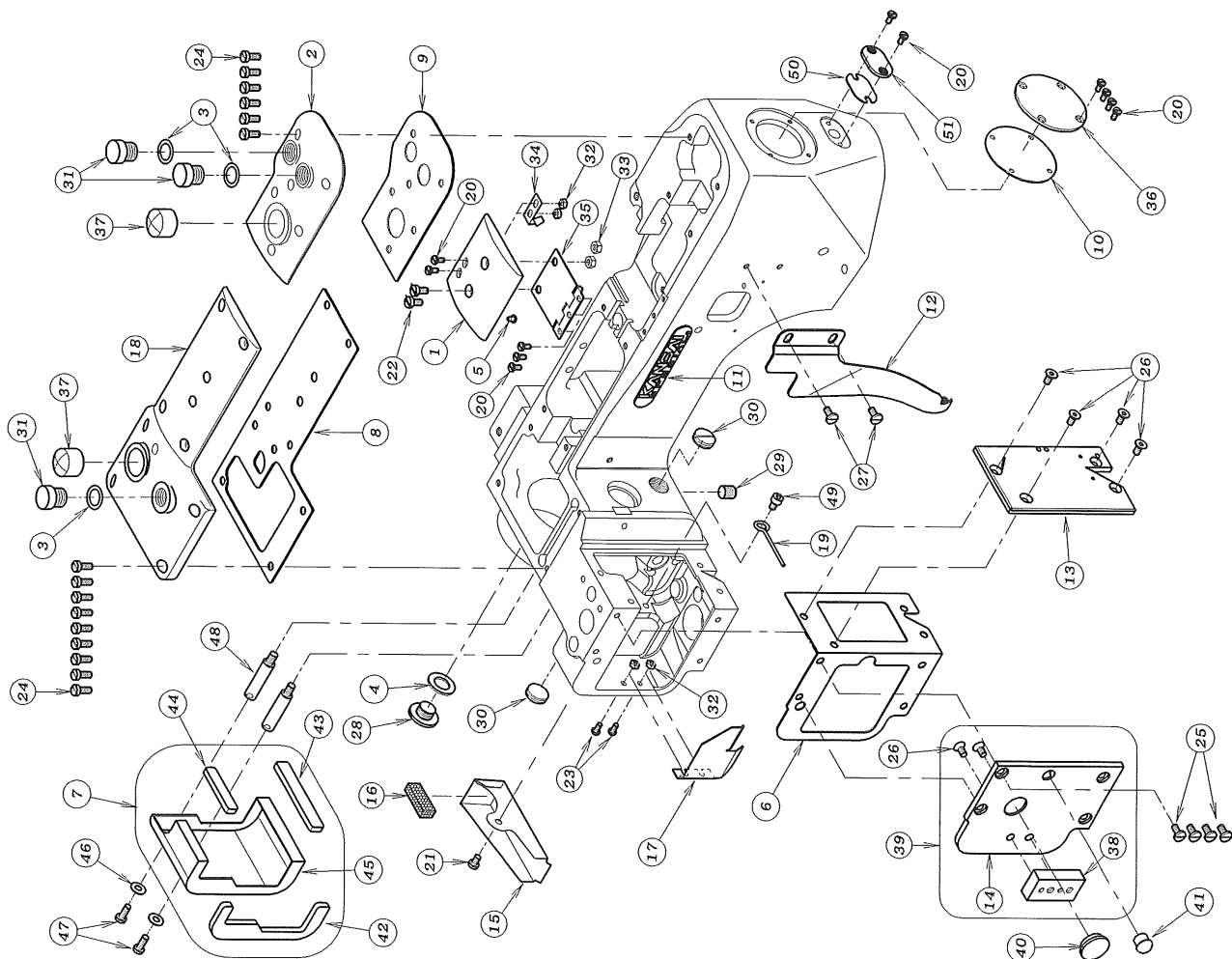
■ MH-B : 4本針6本糸 両切り、中厚物及び厚物ニット等の突合わせ縫い。(ブットシーム)

4-Needle 6-Thread, For medium to Heavy weight fabric. Both side fabric trimmer without overlapping fabrics. (butt seams)

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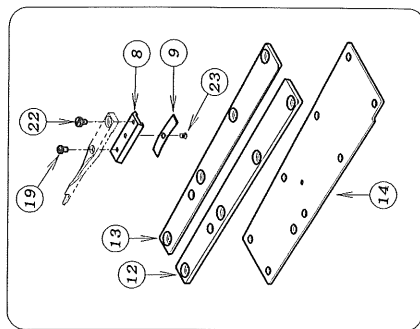
# 1. フレーム関係 (1) FRAME ASSEMBLY (1)



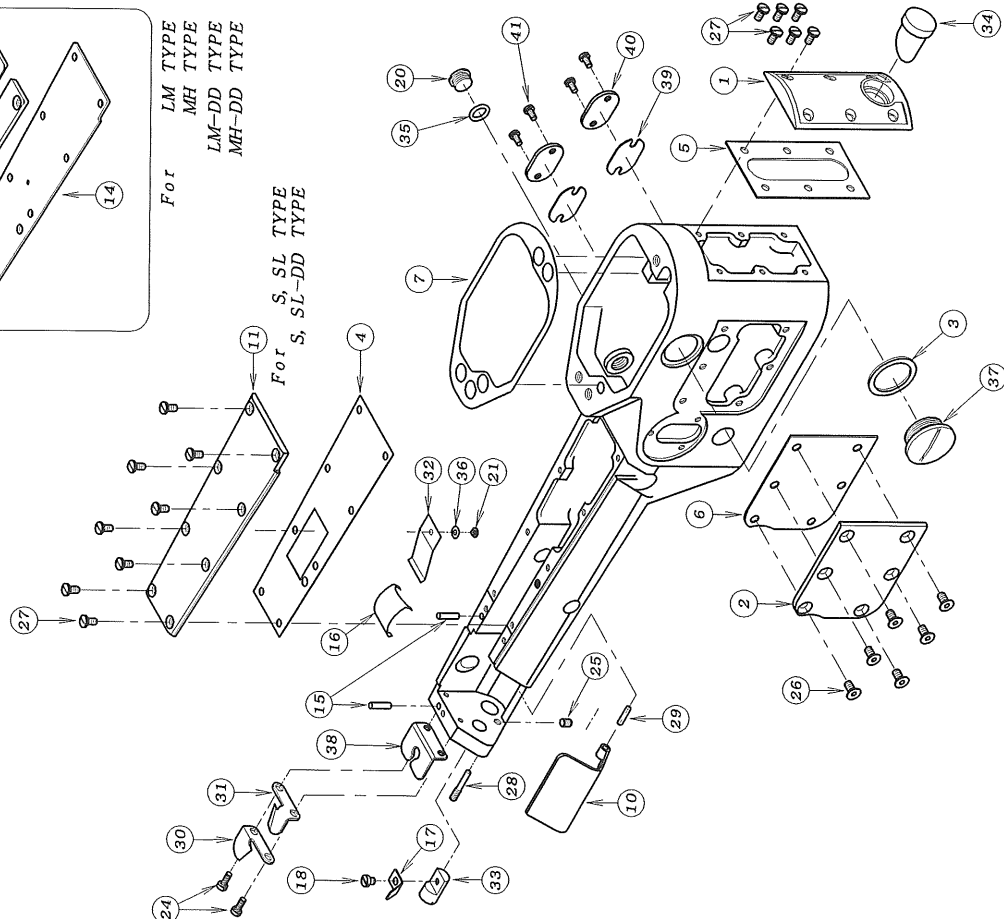
| REF. NO. | PART NO. | 品 名              | DESCRIPTION            | QTY |
|----------|----------|------------------|------------------------|-----|
| 01-01    | 21-841   | トップカバー (中)       | TOP COVER (MIDDLE)     | 1   |
| 01-02    | 21-845   | アームトップカバー        | ARM TOP COVER          | 1   |
| 01-03    | 23-190   | Oリング             | O RING                 | 3   |
| 01-04    | 23-304   | シール              | SEAL                   | 1   |
| 01-05    | 23-512   | クッションゴム          | CUSHION RUBBER         | 1   |
| 01-06    | 23-627   | 針棒ハウジングカバーパッキン   | GASKET                 | 1   |
| 01-07    | 20-6332  | 油受けカバーセット図       | OIL GUARD COVER ASS'Y  | 1   |
| 01-08    | 23-665   | クランク室パッキン        | GASKET                 | 1   |
| 01-09    | 23-666   | トップカバー - 後パッキン   | GASKET                 | 1   |
| 01-10    | 23-669   | パッキン             | GASKET                 | 1   |
| 01-11    | 24-069   | 銘板               | BRAND NAME PLATE       | 1   |
| 01-12    | 27-605   | ルーバー - 糸カバー      | LOOPER THREAD GUARD    | 1   |
| 01-13    | 27-647   | ハウジングカバー         | COVER                  | 1   |
| 01-14    | 27-646   | ハウジングカバー - (左)   | COVER (LEFT)           | 1   |
| 01-15    | 27-610   | 油受け              | OIL GUARD              | 1   |
| 01-16    | 27-611   | 油受け部フェルト         | FELT                   | 1   |
| 01-17    | 27-615   | 面取オイルフェンス        | OIL GUARD              | 1   |
| 01-18    | 27-617   | クランク室カバー         | COVER                  | 1   |
| 01-19    | 31-613   | オイルガイド           | OIL GUIDE              | 1   |
| 01-20    | 87-090   | ネジ               | SCREW                  | 11  |
| 01-21    | 87-481   | プラマイナベ小ねじ        | SCREW                  | 1   |
| 01-22    | 87-096   | ネジ               | SCREW                  | 2   |
| 01-23    | 87-477   | プラマイナベ小ねじ        | SCREW                  | 2   |
| 01-24    | 87-145   | ネジ               | SCREW                  | 15  |
| 01-25    | 87-288   | ネジ               | SCREW                  | 4   |
| 01-26    | 87-269   | ネジ               | SCREW                  | 6   |
| 01-27    | 87-288   | ネジ               | SCREW                  | 2   |
| 01-28    | 87-311   | フタネジ             | SCREW                  | 1   |
| 01-29    | 87-336   | 六角穴付き止めねじ        | SCREW                  | 1   |
| 01-30    | 87-670   | プラグネジ            | PLUG SCREW             | 2   |
| 01-31    | 87-680   | オイルカップネジ         | SCREW                  | 3   |
| 01-32    | 88-137   | ナット              | NUT                    | 4   |
| 01-33    | 88-146   | ナット              | NUT                    | 2   |
| 01-34    | 98-611   | 板バネ              | SPRING                 | 1   |
| 01-35    | 98-612   | トップカバー - 中ヒンジ    | MIDDLE TOP COVER HINGE | 1   |
| 01-36    | 98-628   | アームエンドカバー        | ARM END COVER          | 1   |
| 01-37    | 98-737   | オイル窓             | OIL SIGHT GAUGE        | 2   |
| 01-38    | 27-636   | ブラケット            | BRACKET                | 1   |
| 01-39    | 20-6333  | ハウジングカバー - 左セット図 | COVER (LEFT) ASS'Y     | 1   |
| 01-40    | 23-123   | ゴム栓              | PLUG                   | 1   |
| 01-41    | 23-501   | ゴム栓              | PLUG                   | 1   |
| 01-42    | 23-628   | 防振マウント           | CUSHION                | 1   |
| 01-43    | 23-629   | 防振マウント           | CUSHION                | 1   |
| 01-44    | 23-630   | 防振マウント           | CUSHION                | 1   |
| 01-45    | 27-648   | 油受けカバー           | OIL GUARD COVER        | 1   |
| 01-46    | 75-455   | ワッシャー            | WASHER                 | 2   |
| 01-47    | 87-483   | プラマイナベ小ねじ        | SCREW                  | 2   |
| 01-48    | 87-445   | 支柱ネジ             | SCREW                  | 2   |
| 01-49    | 87-092   | 六角穴付きボルト         | BOLT                   | 1   |
| 01-50    | 23-632   | 軸カバー - パッキン      | GASKET                 | 1   |
| 01-51    | 27-659   | 軸カバー             | SHAFT COVER            | 1   |



## 2. フレーム関係 (2) FRAME ASSEMBLY (2)

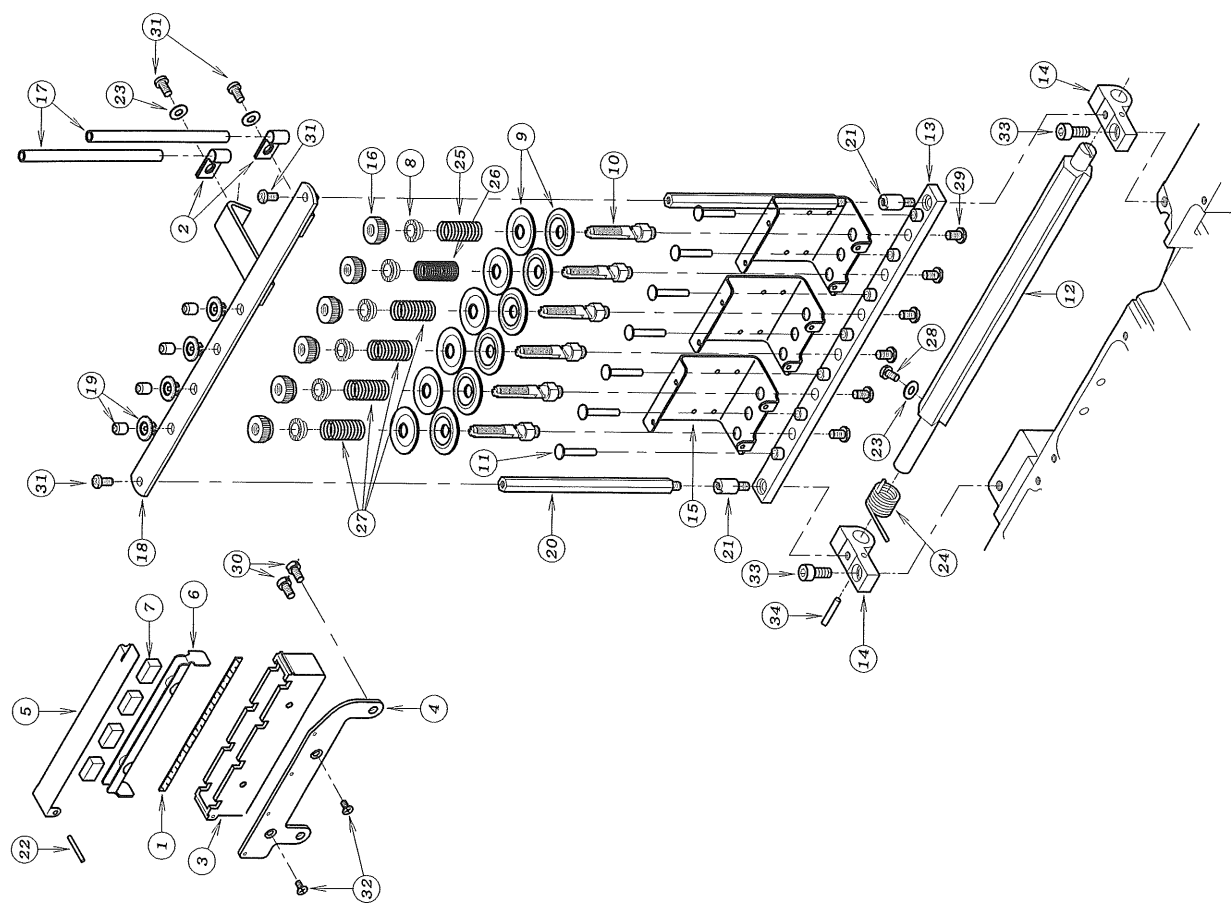


For LM TYPE  
MH TYPE  
LM-DD TYPE  
MH-DD TYPE



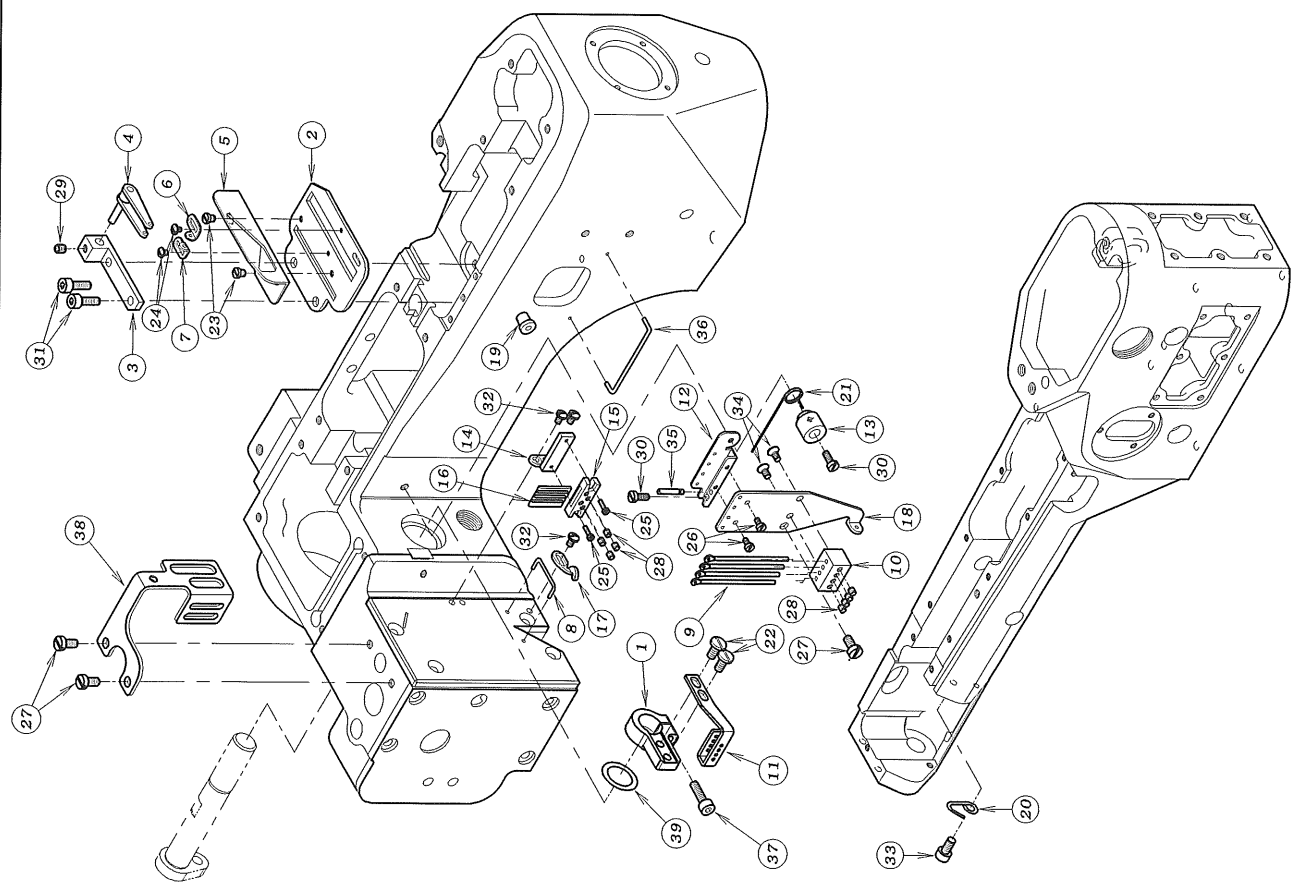
| REF. NO. | PART NO. | 品名              | DESCRIPTION                     | QTY |
|----------|----------|-----------------|---------------------------------|-----|
| 02-01    | 21-997   | シリンダ・カハ・ (前)    | CYLINDER COVER (FRONT)          | 1   |
| 02-02    | 21-998   | シリンダ・サイト・カハ・    | CYLINDER SIDE COVER             | 1   |
| 02-03    | 23-298   | フタネジ用シール        | SEAL                            | 1   |
| 02-04    | 23-620   | パッキン            | GASKET                          | 1   |
| 02-05    | 23-624   | パッキン            | GASKET                          | 1   |
| 02-06    | 23-671   | パッキン            | GASKET                          | 1   |
| 02-07    | 23-672   | スハ・サ            | SEWING CYLINDER GASKET          | 1   |
| 02-08    | 26-638   | 布カ・イト・取付け台      | SLIDE BLOCK                     | 1   |
| 02-09    | 26-639   | 布カ・イト・取付け台・ネ    | SPRING                          | 1   |
| 02-10    | 27-608   | ル・ハ・カハ・         | LOOPER COVER                    | 1   |
| 02-11    | 27-612   | シリンダ・トツ・カハ・     | CYLINDER COVER                  | 1   |
| 02-12    | 27-618   | シリンダ・ガ・イト・板 (左) | GUIDE PLATE (LEFT)              | 1   |
| 02-13    | 27-619   | シリンダ・ガ・イト・板 (右) | GUIDE PLATE (RIGHT)             | 1   |
| 02-14    | 27-620   | シリンダトツ・カハ・      | CYLINDER COVER                  | 1   |
| 02-15    | 71-804   | 針板ノックピン         | PIN                             | 2   |
| 02-16    | 79-604   | シールスプ・リンダ・      | SEAL SPRING                     | 1   |
| 02-17    | 79-620   | 板バネ             | SPRING                          | 1   |
| 02-18    | 84-364   | ネジ              | SCREW                           | 1   |
| 02-19    | 85-107   | ネジ              | SCREW                           | 1   |
| 02-20    | 85-522   | ネジ              | SCREW                           | 1   |
| 02-21    | 85-604   | ネジ              | SCREW                           | 1   |
| 02-22    | 85-618   | ネジ              | SCREW                           | 1   |
| 02-23    | 85-616   | ネジ              | SCREW                           | 1   |
| 02-24    | 87-128   | ネジ              | SCREW                           | 2   |
| 02-25    | 87-181   | ネジ              | SCREW                           | 1   |
| 02-26    | 87-269   | ネジ              | SCREW                           | 1   |
| 02-27    | 87-677   | ネジ              | SCREW                           | 6   |
| 02-28    | 87-678   | シリンダ・カハ・ネジ・ピン   | SCREW PIN                       | 14  |
| 02-29    | 98-658   | ピン              | PIN                             | 1   |
| 02-30    | 98-662   | カッター (下)        | CHAIN-OFF CUTTING KNIFE (LOWER) | 1   |
| 02-31    | 98-663   | カッター (上)        | CHAIN-OFF CUTTING KNIFE (UPPER) | 1   |
| 02-32    | 98-665   | タ・スト・シールハ・ネ     | SPRING                          | 1   |
| 02-33    | 98-670   | スプ・リンダ・サ・ト・スタット | SPRING SUPPORT STUD             | 1   |
| 02-34    | 98-734   | オイル・ネジ          | OIL GAUGE                       | 1   |
| 02-35    | 23-189   | O-リング           | O-RING                          | 1   |
| 02-36    | 75-441   | ワッシャ            | WASHER                          | 1   |
| 02-37    | 87-812   | ネジ              | SCREW                           | 1   |
| 02-38    | 27-645   | 安全カバー           | COVER                           | 1   |
| 02-39    | 23-632   | 軸カハ・ハ・ッキン       | GASKET                          | 1   |
| 02-40    | 27-659   | 軸カハ・            | SHAFT COVER                     | 2   |
| 02-41    | 87-090   | ネジ              | SCREW                           | 4   |

### 3. 糸調子機構 THREAD TENSION MECHANISM



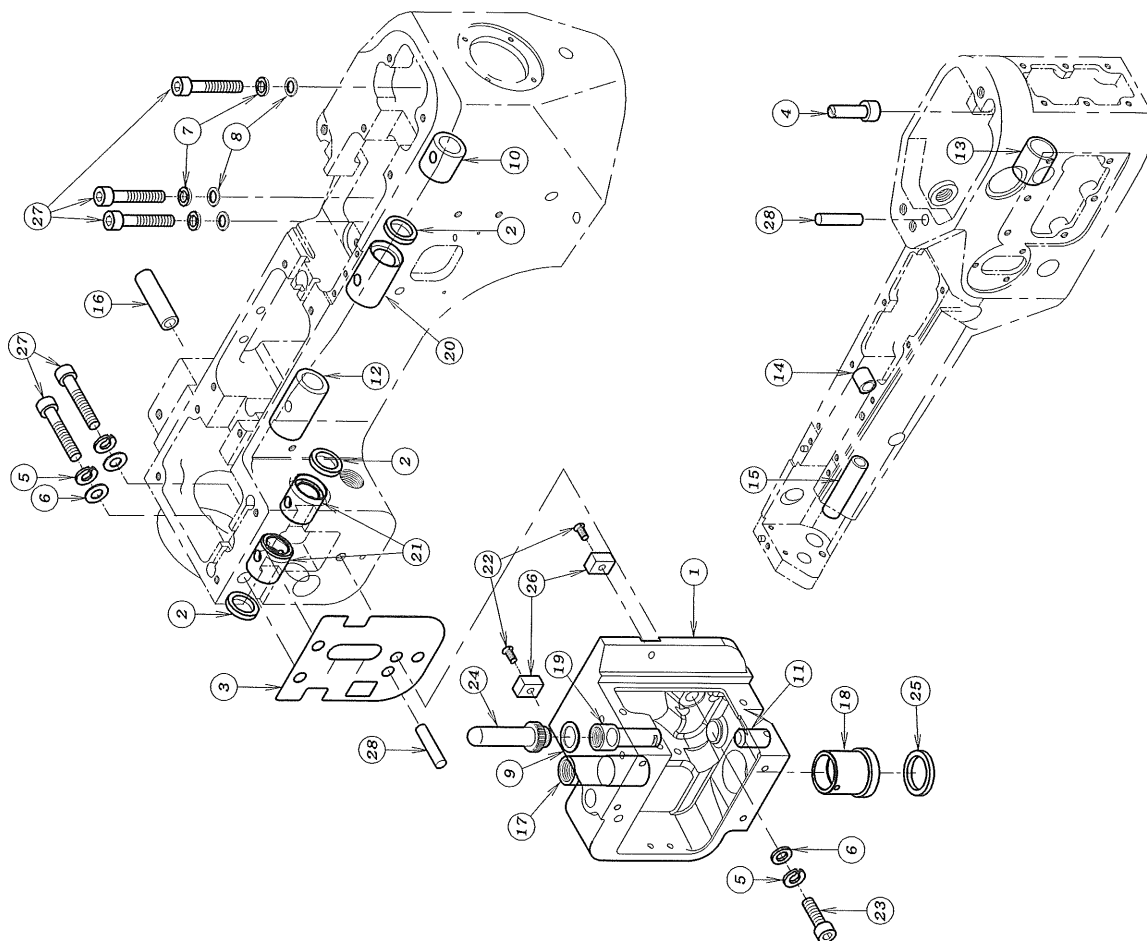
| REF. NO. | PART NO. | 品名            | DESCRIPTION                     | QTY |
|----------|----------|---------------|---------------------------------|-----|
| 03-01    | 23-341   | フェルト          | FELT                            | 1   |
| 03-02    | 25-217   | ハ イブ 取付金具     | LATCH                           | 2   |
| 03-03    | 27-551   | シリコンタンク       | SILICONE OIL RESERVOIR          | 1   |
| 03-04    | 27-552   | シリコンタンク プラケット | BRACKET                         | 1   |
| 03-05    | 27-553   | シリコンタンクカバー    | COVER                           | 1   |
| 03-06    | 27-554   | フェルト受け        | FELT STAY                       | 1   |
| 03-07    | 27-555   | フェルト          | FELT                            | 4   |
| 03-08    | 41-105   | チャンボン皿ラチェット   | SPRING POST                     | 1   |
| 03-09    | 41-509   | チャンボン皿        | TENSION DISC                    | 6   |
| 03-10    | 41-160   | チャンボン調子棒      | TENSION POST                    | 12  |
| 03-11    | 41-603   | 糸緩めピン         | PIN                             | 6   |
| 03-12    | 41-604   | 糸緩めカム         | TENSION RELEASE SHAFT           | 7   |
| 03-13    | 41-605   | テンション保持台      | THREAD TENSION SUPPORT          | 1   |
| 03-14    | 41-606   | プレート プラケット    | BRACKET                         | 1   |
| 03-15    | 41-607   | チャンボン台糸道      | THREAD EYELET                   | 2   |
| 03-16    | 41-608   | 調子ナット         | NUT                             | 3   |
| 03-17    | 45-517   | 糸カ イト ハ イブ    | PIPE                            | 6   |
| 03-18    | 45-618   | 糸案内板          | THREAD GUIDE PLATE              | 2   |
| 03-19    | 45-625   | 糸案内糸道         | THREAD EYELET                   | 1   |
| 03-20    | 45-620   | 糸案内板支柱        | SUPPORT SCREW                   | 4   |
| 03-21    | 45-621   | テンション台止メネジ    | SCREW                           | 2   |
| 03-22    | 98-725   | スプ リング ピン     | SPRING PIN                      | 1   |
| 03-23    | 75-455   | ワッシャー         | WASHER                          | 1   |
| 03-24    | 79-602   | テンション緩めハネ     | TENSION RELEASE SHAFT SPRING    | 3   |
| 03-25    | 79-626   | ルーパー糸調子ハネ     | LOOPER THREAD TENSION SPRING    | 1   |
| 03-26    | 79-627   | 飾り糸調子ハネ       | TOP COVER THREAD TENSION SPRING | 1   |
| 03-27    | 79-628   | 針糸調子ハネ        | NEEDLE THREAD TENSION SPRING    | 4   |
| 03-28    | 84-374   | ネジ            | SCREW                           | 1   |
| 03-29    | 84-574   | ネジ            | SCREW                           | 6   |
| 03-30    | 87-096   | ネジ            | SCREW                           | 2   |
| 03-31    | 87-482   | プラマイナベ小ねじ     | SCREW                           | 4   |
| 03-32    | 87-212   | ネジ            | SCREW                           | 4   |
| 03-33    | 87-252   | 六角穴付きボルト      | BOLT                            | 2   |
| 03-34    | 93-724   | スプ リング ピン     | SPRING PIN                      | 1   |

# 4. 糸道機構 THREAD EYELET MECHANISM



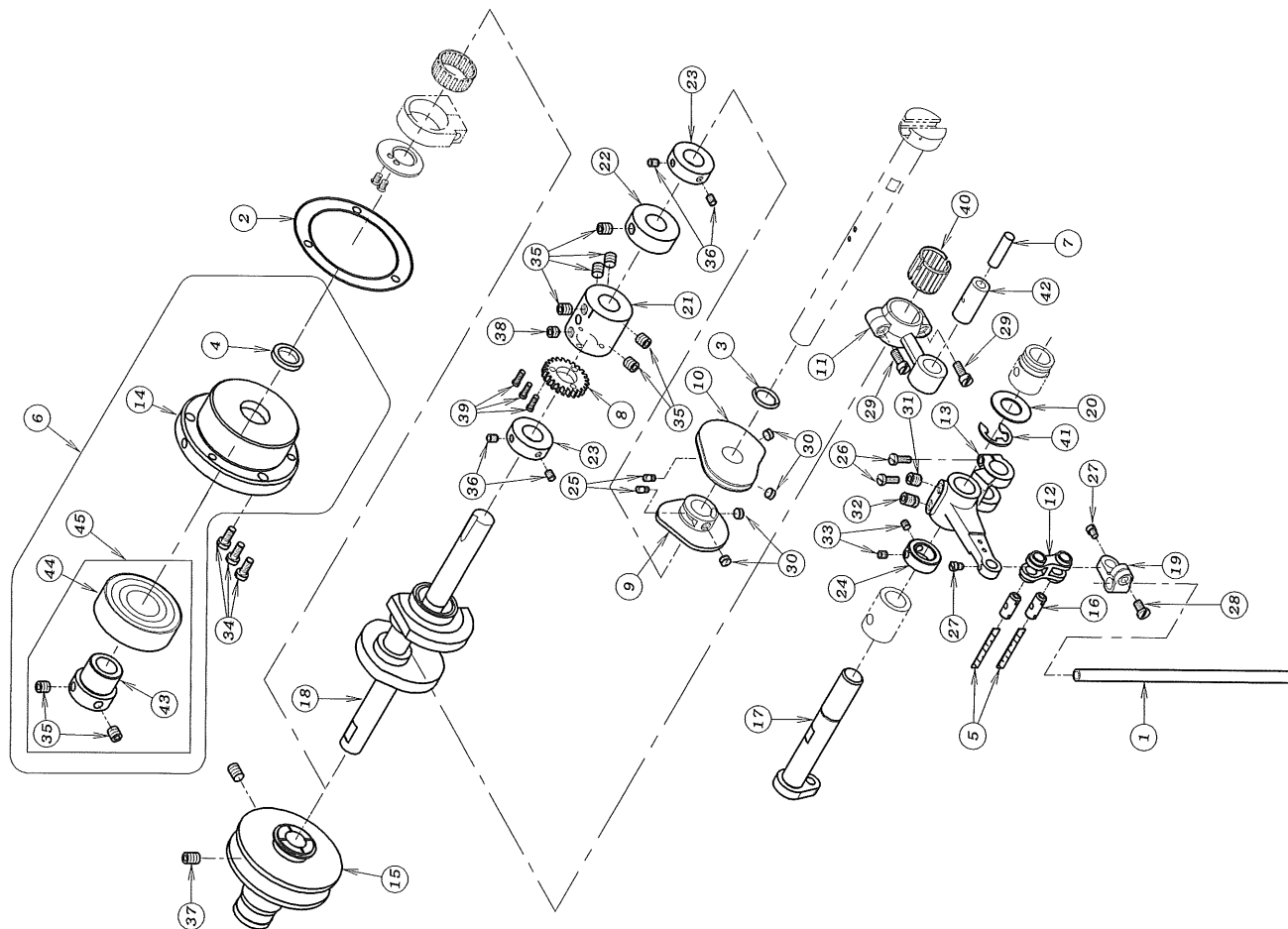
| REF. NO. | PART NO. | 品 名           | DESCRIPTION                  | Q'TY |
|----------|----------|---------------|------------------------------|------|
| 04-01    | 67-611   | 針棒眼糸道取付台      | THREAD EYELET LEVER          | 1    |
| 04-02    | 43-607   | 下糸捌き板         | SUPPORTING PLATE             | 1    |
| 04-03    | 43-608   | 下糸捌きブラケット     | BRACKET                      | 1    |
| 04-04    | 43-609   | 下糸捌き案内        | THREAD TAKE-UP EYELET        | 1    |
| 04-05    | 43-610   | 下糸捌き糸ガイド      | THREAD GUIDE                 | 1    |
| 04-06    | 43-611   | 下糸捌き板糸道A      | THREAD EYELET                | 1    |
| 04-07    | 43-612   | 下糸捌き板糸道B      | THREAD EYELET                | 1    |
| 04-08    | 45-246   | 上糸ガイド・ハ-      | GUIDE PIN                    | 1    |
| 04-09    | 45-543   | 糸道            | THREAD EYELET                | 4    |
| 04-10    | 45-553   | ホルダー          | HOLDER                       | 1    |
| 04-11    | 45-626   | 針棒眼糸道         | THREAD EYELET                | 1    |
| 04-12    | 45-612   | 上糸捌き糸道 (B)    | THREAD EYELET                | 1    |
| 04-13    | 45-613   | スプ・リンカ・ホルダー   | HOLDER                       | 1    |
| 04-14    | 45-614   | 糸受ブラケット A     | BRACKET                      | 1    |
| 04-15    | 45-615   | 糸受ブラケット B     | BRACKET                      | 1    |
| 04-16    | 45-616   | 上糸受け          | NEEDLE THREAD STRIKE-OFF PIN | 4    |
| 04-17    | 45-617   | 上飾り糸道         | THREAD EYELET                | 1    |
| 04-18    | 45-622   | 上糸捌き糸道 (A)    | THREAD EYELET                | 1    |
| 04-19    | 45-624   | 糸案内糸道         | THREAD EYELET                | 1    |
| 04-20    | 47-601   | ル-ハ-糸ガイド      | LOOPER THREAD GUIDE          | 1    |
| 04-21    | 79-621   | スプ・リンカ        | SPRING                       | 1    |
| 04-22    | 87-288   | ネジ            | SCREW                        | 1    |
| 04-23    | 84-167   | ネジ            | SCREW                        | 2    |
| 04-24    | 85-611   | ネジ            | SCREW                        | 2    |
| 04-25    | 87-075   | ネジ            | SCREW                        | 2    |
| 04-26    | 87-157   | ネジ            | SCREW                        | 2    |
| 04-27    | 87-096   | ネジ            | SCREW                        | 2    |
| 04-28    | 87-104   | ネジ            | SCREW                        | 3    |
| 04-29    | 87-106   | ネジ            | SCREW                        | 8    |
| 04-30    | 87-128   | ネジ            | SCREW                        | 1    |
| 04-31    | 87-129   | 六角穴付きボルト      | SCREW                        | 2    |
| 04-32    | 87-166   | ネジ            | BOLT                         | 2    |
| 04-33    | 87-177   | 六角穴付きボルト      | SCREW                        | 3    |
| 04-34    | 87-212   | ネジ            | BOLT                         | 1    |
| 04-35    | 87-603   | ネジ            | SCREW                        | 2    |
| 04-36    | 98-624   | ル-ハ-糸ガイド・ワイヤ- | SCREW                        | 1    |
| 04-37    | 87-214   | 六角穴付きボルト      | LOOPER THREAD GUIDE WIRE     | 1    |
| 04-38    | 27-643   | 針糸道カバー        | BOLT                         | 1    |
| 04-39    | 75-674   | ワッシャ          | THREAD EYELET GUARD COVER    | 1    |
|          |          |               | WASHER                       | 1    |

# 5. ブッシュ機構 BUSHING



| REF. NO. | PART NO. | 品 名           | DESCRIPTION        | Q'TY |
|----------|----------|---------------|--------------------|------|
| 05-01    | 22-659   | 針棒ハウジング       | NEEDLE BAR HOUSING | 1    |
| 05-02    | 23-625   | オイルシール        | OIL SEAL           | 3    |
| 05-03    | 27-642   | スペーサー         | SPACER             | 1    |
| 05-04    | 71-662   | エキセンピン        | ECCENTRIC PIN      | 1    |
| 05-05    | 75-527   | スプリング ワッシャー   | SPRING WASHER      | 3    |
| 05-06    | 75-452   | ワッシャー         | WASHER             | 3    |
| 05-07    | 75-554   | スプリングワッシャー    | SPRING WASHER      | 3    |
| 05-08    | 75-555   | ワッシャー         | WASHER             | 3    |
| 05-09    | 75-615   | シールワッシャー      | SEAL WASHER        | 1    |
| 05-10    | 81-626   | ブッシュ          | BUSHING            | 1    |
| 05-11    | 81-627   | 針棒ブッシュ (下)    | BUSHING            | 1    |
| 05-12    | 81-629   | ブッシュ          | BUSHING            | 1    |
| 05-13    | 81-633   | ルーバー軸ブッシュ (前) | BUSHING            | 1    |
| 05-14    | 81-634   | ブッシュ          | BUSHING            | 1    |
| 05-15    | 81-635   | ルーバー軸ブッシュ (後) | BUSHING            | 1    |
| 05-16    | 81-641   | 押エスライド用ブッシュ   | BUSHING            | 1    |
| 05-17    | 81-642   | 押え棒ブッシュ (上)   | BUSHING            | 1    |
| 05-18    | 81-656   | 上メス台ブッシュ      | BUSHING            | 1    |
| 05-19    | 81-646   | 針棒ブッシュ (上)    | BUSHING            | 1    |
| 05-20    | 81-650   | メインシャフトブッシュ後  | BUSHING            | 1    |
| 05-21    | 81-655   | ブッシュ          | BUSHING            | 2    |
| 05-22    | 84-462   | ネジ            | SCREW              | 2    |
| 05-23    | 87-173   | 六角穴付きボルト      | BOLT               | 1    |
| 05-24    | 87-611   | 針棒カバー         | NEEDLE BAR GUARD   | 1    |
| 05-25    | 94-512   | オイルシール        | OIL SEAL           | 1    |
| 05-26    | 98-511   | キー            | KYE                | 2    |
| 05-27    | 98-803   | 六角穴付きボルト      | BOLT               | 5    |
| 05-28    | 98-804   | 平行ピン          | PIN                | 2    |

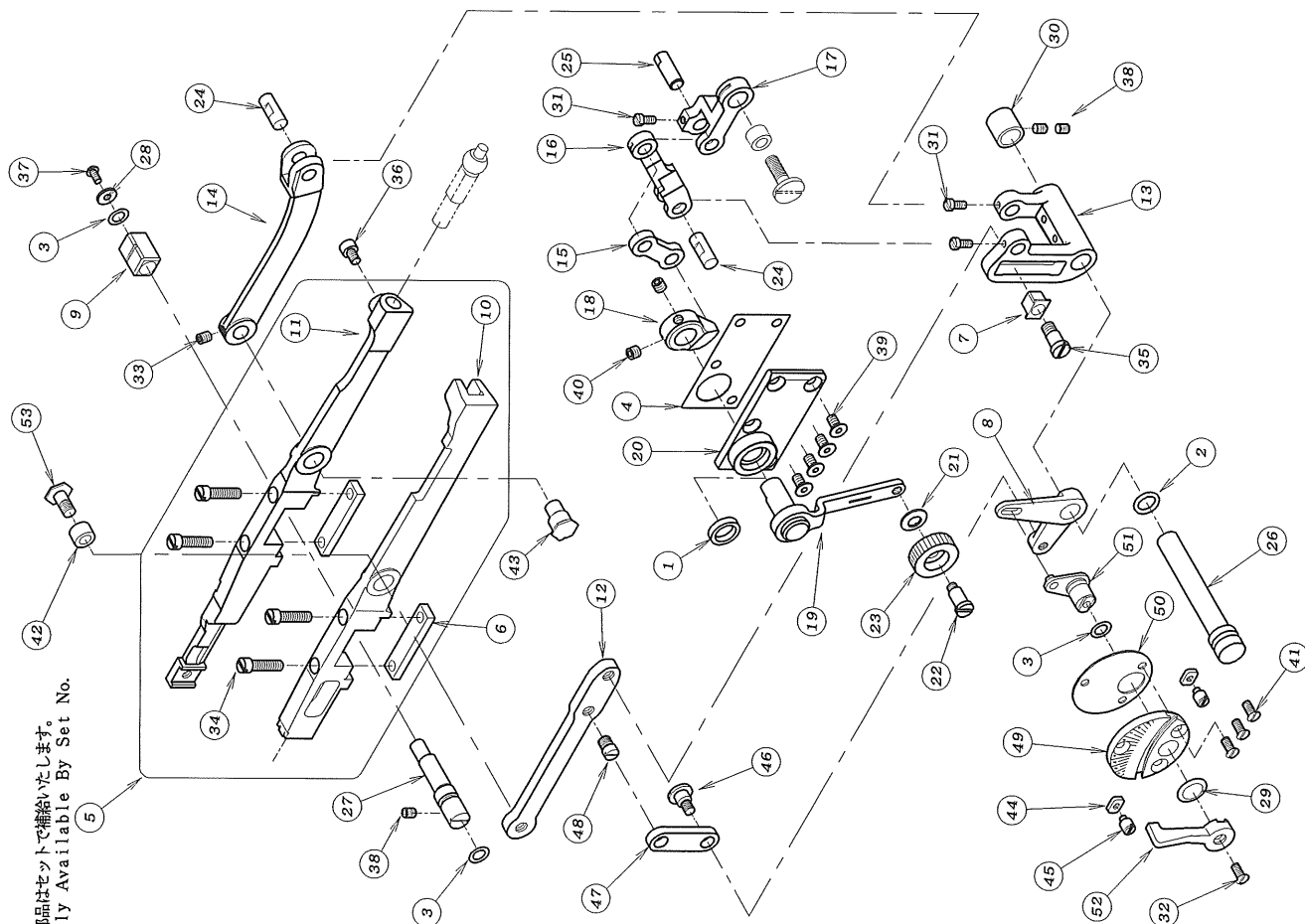
# 6. 針棒上軸機構 NEEDLE BAR MECHANISM



| REF.NO. | PART NO. | 品名             | DESCRIPTION                     | Q'TY |
|---------|----------|----------------|---------------------------------|------|
| 06-01   | 11-606   | 針棒             | NEEDLE BAR                      | 1    |
| 06-02   | 23-663   | パッキン           | GASKET                          | 1    |
| 06-03   | 23-192   | O-リング          | O-RING                          | 1    |
| 06-04   | 23-625   | オイルシール         | OIL SEAL                        | 1    |
| 06-05   | 23-341   | フェルト           | FELT                            | 2    |
| 06-06   | 60-6020  | ベアリング フレンジ セット | BEARING ASS'Y                   | 1    |
| 06-07   | 23-623   | フェルト           | FELT                            | 1    |
| 06-08   | 31-649   | ポンプ 駆動ギヤ       | PUMP DRIVING GEAR               | 1    |
| 06-09   | 49-604   | 上給り調節器         | TOP COVER THREAD TAKE-UP        | 1    |
| 06-10   | 49-605   | 下糸調節器          | LOOPER THREAD TAKE-UP           | 1    |
| 06-11   | 63-642   | 針棒コネクタロッド      | NEEDLE BAR LEVER CONNECTING ROD | 1    |
| 06-12   | 66-111   | 連結メカネ          | CONNECTING LINK                 | 1    |
| 06-13   | 67-603   | ニードルレバー        | NEEDLE LEVER                    | 1    |
| 06-14   | 69-623   | ベアリング フレンジ     | FLANGE                          | 1    |
| 06-15   | 69-625   | プーリー           | PULLEY                          | 1    |
| 06-16   | 71-432   | メカネピン          | FEED ROCKER LINK PIN            | 2    |
| 06-17   | 71-850   | 弓ピン            | KNIFE DRIVE LEVER               | 1    |
| 06-18   | 71-817   | クランクシャフト       | CRANK SHAFT                     | 1    |
| 06-19   | 73-113   | 針棒クランプ         | NEEDLE BAR CLAMP                | 1    |
| 06-20   | 75-447   | ワッシャー          | WASHER                          | 1    |
| 06-21   | 75-607   | ジョイントカラー       | JOINT                           | 1    |
| 06-22   | 75-608   | カラー            | COLLAR                          | 1    |
| 06-23   | 75-609   | カラー            | COLLAR                          | 1    |
| 06-24   | 75-619   | カラー            | COLLAR                          | 2    |
| 06-25   | 84-114   | ネジ             | SCREW                           | 1    |
| 06-26   | 84-358   | ネジ             | SCREW                           | 2    |
| 06-27   | 84-365   | ネジ             | SCREW                           | 2    |
| 06-28   | 84-564   | ネジ             | SCREW                           | 2    |
| 06-29   | 84-572   | ネジ             | SCREW                           | 1    |
| 06-30   | 84-711   | ネジ             | SCREW                           | 2    |
| 06-31   | 85-113   | ネジ             | SCREW                           | 4    |
| 06-32   | 85-115   | ネジ             | SCREW                           | 1    |
| 06-33   | 87-106   | ネジ             | SCREW                           | 1    |
| 06-34   | 87-145   | ネジ             | SCREW                           | 2    |
| 06-35   | 87-172   | ネジ             | SCREW                           | 3    |
| 06-36   | 87-181   | ネジ             | SCREW                           | 8    |
| 06-37   | 87-242   | ネジ             | SCREW                           | 4    |
| 06-38   | 87-259   | ネジ             | SCREW                           | 2    |
| 06-39   | 87-669   | ネジ             | SCREW                           | 1    |
| 06-40   | 91-306   | ベアリング          | BEARING                         | 3    |
| 06-41   | 93-202   | E-リング          | E-RING                          | 1    |
| 06-42   | 98-547   | 針棒コネクタロッド ピン   | NEEDLE LEVER CONNECTING ROD PIN | 1    |
| 06-43   | 69-624   | ベアリング スリーブ     | SLEEVE                          | 1    |
| 06-44   | 91-994   | ボールベアリング       | BEARING                         | 1    |
| 06-45   | 60-6010  | ベアリング セット      | BEARING ASS'Y                   | 1    |

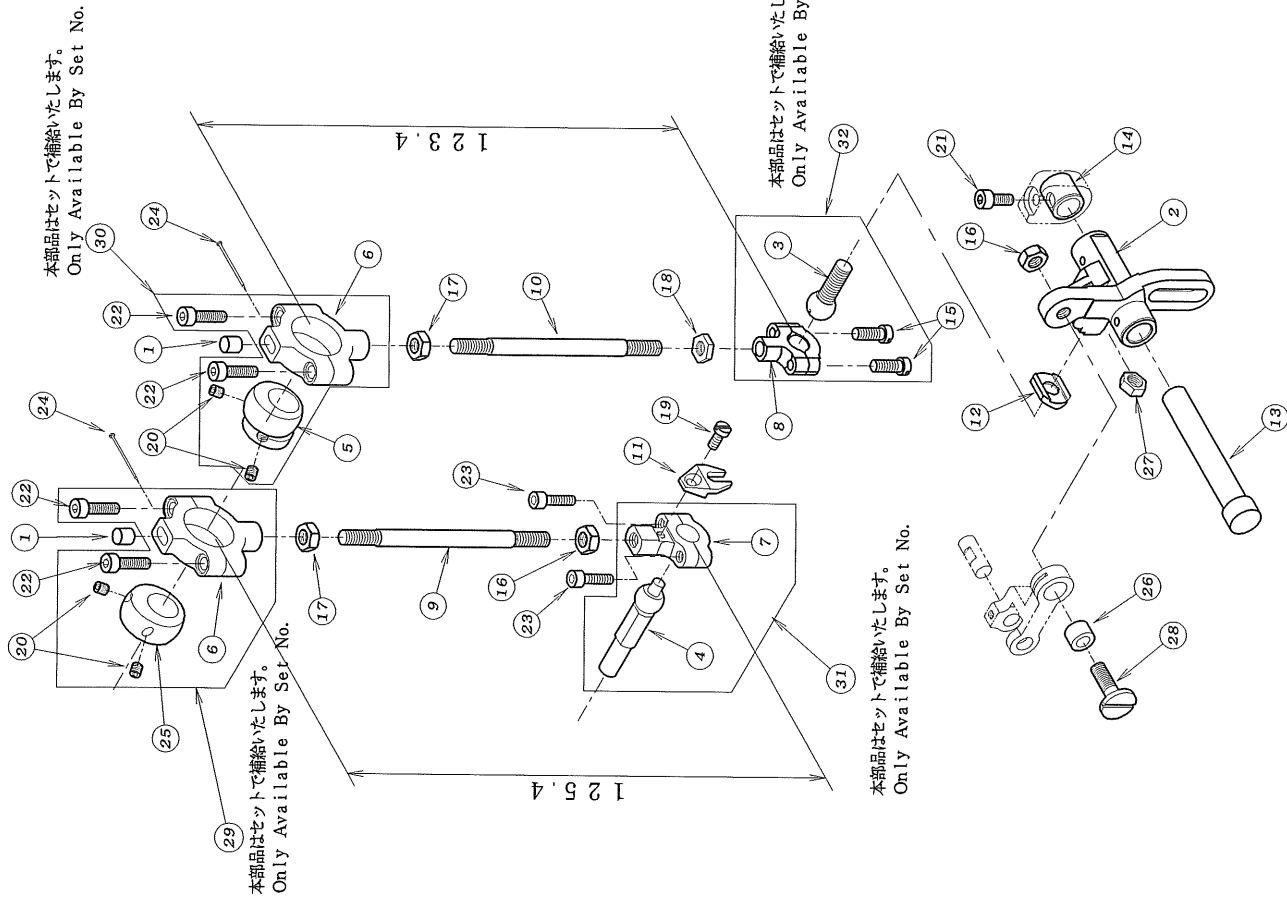
# 7. 送り機構 (1) FEED MECHANISM (1)

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| REF. NO. | PART NO. | 品名                 | DESCRIPTION                       | QTY |
|----------|----------|--------------------|-----------------------------------|-----|
| 07-01    | 194-102  | オイルシール             | OIL SEAL                          | 1   |
| 07-02    | 23-537   | リング                | O-RING                            | 1   |
| 07-03    | 23-615   | リング                | O RING                            | 3   |
| 07-04    | 23-631   | レハ - 軸カハ - ハッキン    | GASKET                            | 1   |
| 07-05    | 50-6000  | 送り土台組              | FEED BAR ASS'Y                    | 1   |
| 07-06    | 51-611   | 送りレハ - プレート        | FEED BAR PLATE                    | 2   |
| 07-07    | 51-613   | 角コマ                | SLIDE BLOCK                       | 1   |
| 07-08    | 51-615   | 差動レハ -             | DIFFERENTIAL FEED ADJUSTING LEVER | 1   |
| 07-09    | 51-617   | 送り角コマ              | FEED BAR SLIDE BLOCK              | 1   |
| 07-10    | 51-619   | 差動送りレハ -           | DIFFERENTIAL FEED BAR             | 1   |
| 07-11    | 51-621   | 主送りレハ -            | MAIN FEED BAR                     | 1   |
| 07-12    | 51-623   | 差動送りドライブリンク        | DIFFERENTIAL FEED BAR DRIVE LINK  | 1   |
| 07-13    | 51-624   | フィードロッカー           | FEED ROCKER                       | 1   |
| 07-14    | 51-625   | 主送りドライブリンク         | MAIN FEED BAR DRIVE LINK          | 1   |
| 07-15    | 51-627   | 調整リンク              | LINK                              | 1   |
| 07-16    | 51-628   | フィート・ロッカー・ドライブ・リンク | FEED ROCKER DRIVING LINK          | 1   |
| 07-17    | 51-630   | フィート・ロッカー・リンク      | FEED ROCKER LINK                  | 1   |
| 07-18    | 51-631   | 送り調整レハ -           | FEED ADJUSTING LEVER              | 1   |
| 07-19    | 51-632   | 送り調整レハ - 軸         | FEED ADJUSTING LEVER SHAFT        | 1   |
| 07-20    | 51-633   | 送り調整レハ - 軸カハ -     | FEED ADJUSTING LEVER SHAFT COVER  | 1   |
| 07-21    | 51-806   | 皿ハネ                | SPRING                            | 1   |
| 07-22    | 51-807   | 段ネジ                | SCREW                             | 1   |
| 07-23    | 51-808   | ナット                | NUT                               | 1   |
| 07-24    | 71-663   | リンクピン              | LINK PIN                          | 2   |
| 07-25    | 71-863   | リンクピン              | LINK PIN                          | 1   |
| 07-26    | 71-864   | フィート・ロッカー・シャフト     | FEED ROCKER SHAFT                 | 1   |
| 07-27    | 71-940   | 送りレバ・エキセンピン        | FEED BAR ECCENTRIC PIN            | 1   |
| 07-28    | 75-227   | ワッシャ               | WASHER                            | 1   |
| 07-29    | 79-603   | 皿ハネ                | SPRING                            | 1   |
| 07-30    | 81-616   | ブッシュ               | BUSHING                           | 1   |
| 07-31    | 84-164   | ネジ                 | SCREW                             | 3   |
| 07-32    | 84-462   | ネジ                 | SCREW                             | 1   |
| 07-33    | 84-521   | ネジ                 | SCREW                             | 1   |
| 07-34    | 84-568   | ネジ                 | SCREW                             | 4   |
| 07-35    | 84-653   | ネジ                 | SCREW                             | 1   |
| 07-36    | 87-092   | 六角穴付きボルト           | BOLT                              | 1   |
| 07-37    | 87-099   | ネジ                 | SCREW                             | 1   |
| 07-38    | 87-181   | ネジ                 | SCREW                             | 3   |
| 07-39    | 87-269   | ネジ                 | SCREW                             | 4   |
| 07-40    | 87-274   | ネジ                 | SCREW                             | 2   |
| 07-41    | 87-679   | ネジ                 | SCREW                             | 3   |
| 07-42    | 98-573   | ブッシュ               | BUSHING                           | 1   |
| 07-43    | 98-575   | 主送りエキセンピン          | MAIN FEED BAR ECCENTRIC PIN       | 1   |
| 07-44    | 98-651   | ナット                | NUT                               | 2   |
| 07-45    | 98-671   | ネジ                 | SCREW                             | 2   |
| 07-46    | 98-740   | ネジ                 | SCREW                             | 1   |
| 07-47    | 98-741   | 差動リンク              | LINK                              | 1   |
| 07-48    | 98-744   | ネジ                 | SCREW                             | 1   |
| 07-49    | 98-745   | 差動目盛り板             | ADJUSTING PLATE                   | 1   |
| 07-50    | 98-746   | ハッキン               | GASKET                            | 1   |
| 07-51    | 98-748   | 差動レハ - (B)         | DIFFERENTIAL FEED ADJUSTING LEVER | 1   |
| 07-52    | 98-749   | 差動アーム              | OPERATING LEVER                   | 1   |
| 07-53    | 98-880   | ネジ                 | SCREW                             | 1   |

# 8. 送り機構 (2) FEED MECHANISM (2)

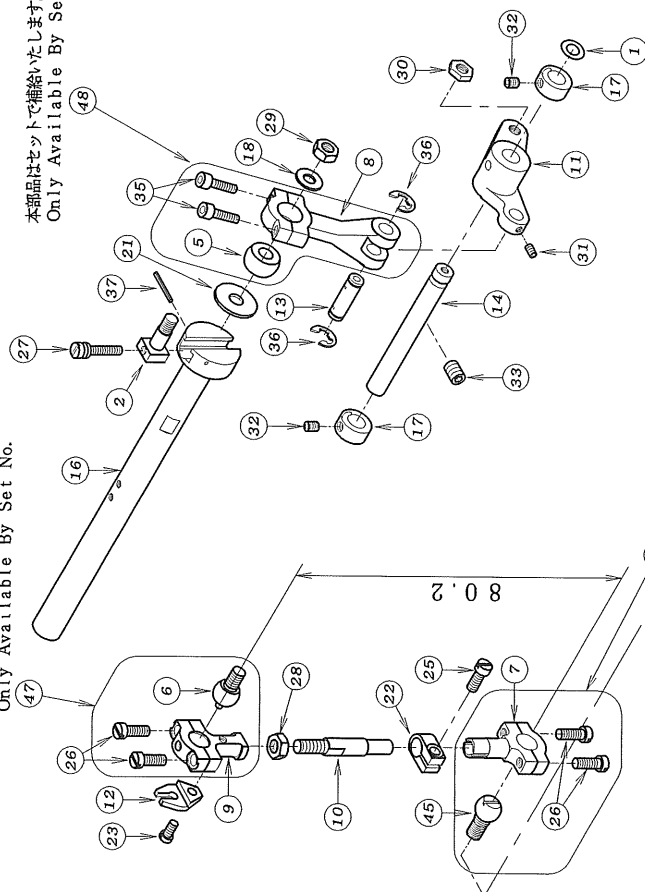


| REF. NO. | PART NO. | 品 名            | DESCRIPTION                | Q'TY |
|----------|----------|----------------|----------------------------|------|
| 08-01    | 23-616   | フェルト           | FELT                       | 2    |
| 08-02    | 51-629   | フィードロッカー       | FEED ROCKER                | 1    |
| 08-03    | 61-607   | 連結ロッド玉         | CONNECTING ROD BALL        | 1    |
| 08-04    | 61-612   | ロッド玉           | BALL JOINT                 | 1    |
| 08-05    | 61-614   | 送り前後エキセン       | ECCENTRIC                  | 1    |
| 08-06    | 63-609   | エキセンロッド        | ECCENTRIC ROD              | 2    |
| 08-07    | 63-612   | 連結ロッド          | CONNECTING ROD             | 1    |
| 08-08    | 63-615   | 連結ロッド          | CONNECTING ROD             | 1    |
| 08-09    | 65-601   | 連結棒            | CONNECTING ROD             | 1    |
| 08-10    | 65-604   | 連結棒            | CONNECTING ROD             | 1    |
| 08-11    | 69-616   | ロッド、振れ止め       | GUIDE                      | 1    |
| 08-12    | 69-617   | 振れ止め           | STEADY WASHER              | 1    |
| 08-13    | 71-865   | 送りレバーシャフト      | FEED LEVER SHAFT           | 1    |
| 08-14    | 81-616   | ブッシュ           | BUSHING                    | 1    |
| 08-15    | 84-635   | ネジ             | SCREW                      | 2    |
| 08-16    | 86-411   | ナット            | NUT                        | 2    |
| 08-17    | 86-412   | ナット            | NUT                        | 2    |
| 08-18    | 86-413   | ナット            | NUT                        | 1    |
| 08-19    | 87-010   | ネジ             | SCREW                      | 1    |
| 08-20    | 87-106   | ネジ             | SCREW                      | 4    |
| 08-21    | 87-113   | 六角穴付きボルト       | BOLT                       | 1    |
| 08-22    | 87-299   | 六角穴付きボルト       | BOLT                       | 4    |
| 08-23    | 87-315   | ネジ             | SCREW                      | 2    |
| 08-24    | 93-625   | フェルトピン         | PIN                        | 2    |
| 08-25    | 98-557   | 送り上下エキセン       | ECCENTRIC BALL JOINT       | 1    |
| 08-26    | 98-573   | ブッシュ           | BUSHING                    | 1    |
| 08-27    | 98-876   | ナット            | NUT                        | 1    |
| 08-28    | 98-881   | ネジ             | SCREW                      | 1    |
| 08-29    | 160-6110 | 送り上下エキセンセット    | FEED LIFT ECCENTRIC ASS'Y  | 1    |
| 08-30    | 160-6150 | 送り前後エキセンセット    | FEED DRIVE ECCENTRIC ASS'Y | 1    |
| 08-31    | 160-6130 | 送り台コネクタロッド玉セット | CONNECTING ROD ASS'Y       | 1    |
| 08-32    | 160-6165 | 送り台連結ロッド玉セット   | CONNECTING ROD ASS'Y       | 1    |

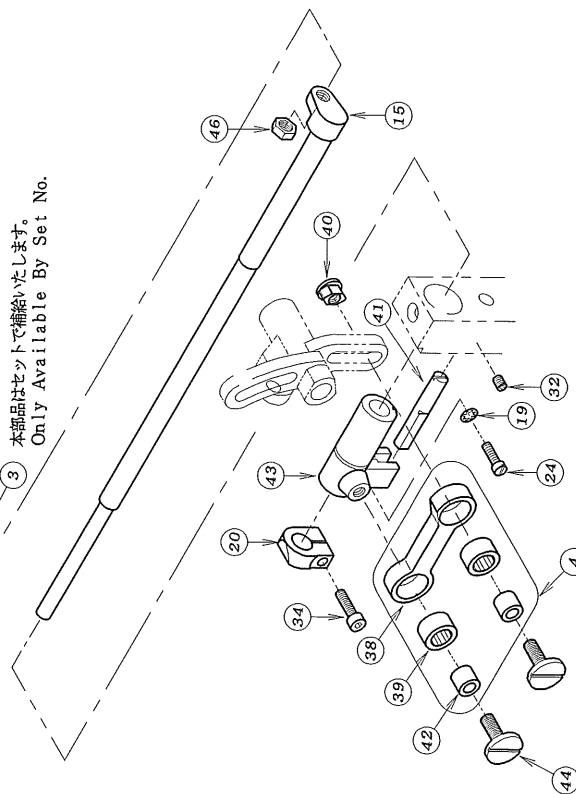
# 9. ルーパ-機構 LOOPER MECHANISM

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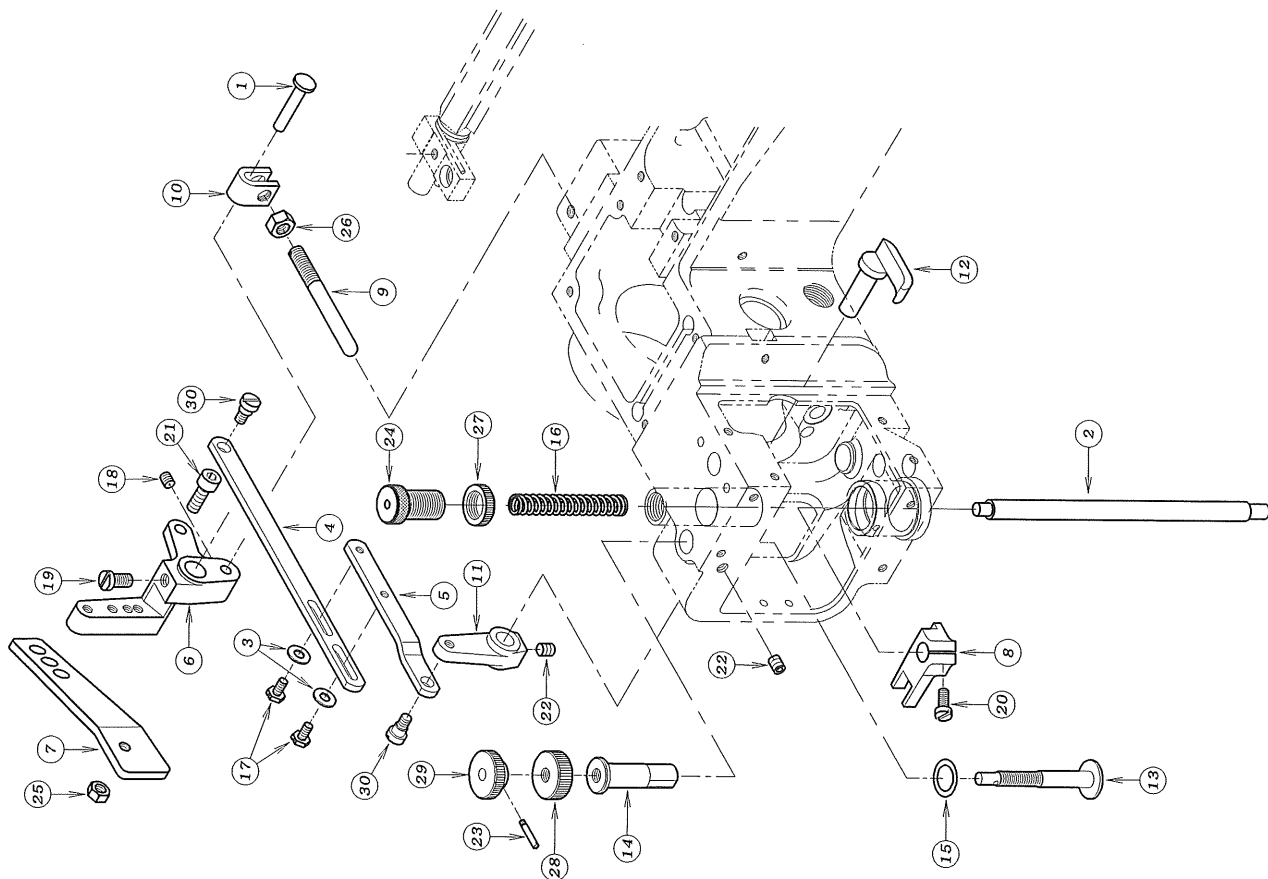


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| REF. NO. | PART NO. | 品 名           | DESCRIPTION              | Q'TY |
|----------|----------|---------------|--------------------------|------|
| 09-01    | 23-183   | O-リング         | O-RING                   | 1    |
| 09-02    | 51-620   | 送り調節芯棒        | LOOPER DRIVING CRANK PIN | 1    |
| 09-03    | 60-6070  | ルーパ-連結ロッド玉セット | CONNECTING ROT ASS'Y     | 1    |
| 09-04    | 60-6080  | ルーパ-前後リンクセット  | CONNECTING LINK ASS'Y    | 1    |
| 09-05    | 61-615   | ルーパ-振元レバ-ロッド玉 | BALL JOINT               | 1    |
| 09-06    | 61-616   | ルーパ-振元レバ-ロッド玉 | BALL JOINT               | 1    |
| 09-07    | 63-607   | 連結ロッド         | CONNECTING ROD           | 1    |
| 09-08    | 63-625   | ルーパ-振元レバ-     | LOOPER DRIVING ROD       | 1    |
| 09-09    | 63-626   | ルーパ-連結ロッド (上) | CONNECTING ROD           | 1    |
| 09-10    | 65-605   | ルーパ-ロッド 連結棒   | CONNECTING BAR           | 1    |
| 09-11    | 67-609   | ルーパ-振元レバ-B    | LEVER                    | 1    |
| 09-12    | 69-619   | 小ロッド用振止め      | STEADY FORK              | 1    |
| 09-13    | 71-808   | 連結ピン          | PIN                      | 1    |
| 09-14    | 71-813   | ルーパ-レバ-支軸     | SHAFT                    | 1    |
| 09-15    | 71-815   | ルーパ-ドライブシャフト  | LOOPER DRIVE SHAFT       | 1    |
| 09-16    | 71-816   | メインシャフト       | MAIN SHAFT               | 1    |
| 09-17    | 75-152   | カラー           | COLLAR                   | 2    |
| 09-18    | 75-453   | ワッシャ          | WASHER                   | 1    |
| 09-19    | 75-610   | ワッシャ          | WASHER                   | 1    |
| 09-20    | 75-611   | カラー           | COLLAR                   | 1    |
| 09-21    | 75-614   | ワッシャ          | WASHER                   | 1    |
| 09-22    | 75-616   | 連結ロッドクランプ     | COLLAR                   | 1    |
| 09-23    | 84-362   | ネジ            | SCREW                    | 1    |
| 09-24    | 84-367   | ネジ            | SCREW                    | 1    |
| 09-25    | 84-572   | ネジ            | SCREW                    | 1    |
| 09-26    | 84-635   | ネジ            | SCREW                    | 4    |
| 09-27    | 84-645   | 送り調節ネジ        | SCREW                    | 1    |
| 09-28    | 86-411   | ナット           | NUT                      | 1    |
| 09-29    | 86-412   | ナット           | NUT                      | 1    |
| 09-30    | 86-413   | ナット           | NUT                      | 1    |
| 09-31    | 87-139   | ネジ            | SCREW                    | 1    |
| 09-32    | 87-181   | ネジ            | SCREW                    | 1    |
| 09-33    | 87-242   | ネジ            | SCREW                    | 3    |
| 09-34    | 87-299   | 六角穴付きボルト      | BOLT                     | 1    |
| 09-35    | 87-315   | ネジ            | SCREW                    | 1    |
| 09-36    | 93-213   | E型止め輪         | E-RING                   | 2    |
| 09-37    | 93-601   | スプリングピン       | SPRING PIN               | 2    |
| 09-38    | 98-591   | 連結メガネ         | CONNECTING BAR           | 1    |
| 09-39    | 98-593   | ベアリング         | BEARING                  | 2    |
| 09-40    | 98-597   | ナット           | NUT                      | 1    |
| 09-41    | 98-599   | ピン            | PIN                      | 1    |
| 09-42    | 98-601   | ベアリングインナーレース  | BEARING SLEEVE           | 2    |
| 09-43    | 98-604   | ルーパ-シャフトスリーブ  | LOOPER SHAFT SLEEVE      | 1    |
| 09-44    | 98-864   | ネジ            | SCREW                    | 2    |
| 09-45    | 98-875   | 連結ロッド玉        | CONNECTING ROD BALL      | 1    |
| 09-46    | 98-876   | ナット           | NUT                      | 1    |
| 09-47    | 60-6190  | ルーパ-連結ロッド玉セット | CONNECTING ROT ASS'Y     | 1    |
| 09-48    | 60-6200  | ルーパ-振元ロッド玉セット | CONNECTING ROT ASS'Y     | 1    |

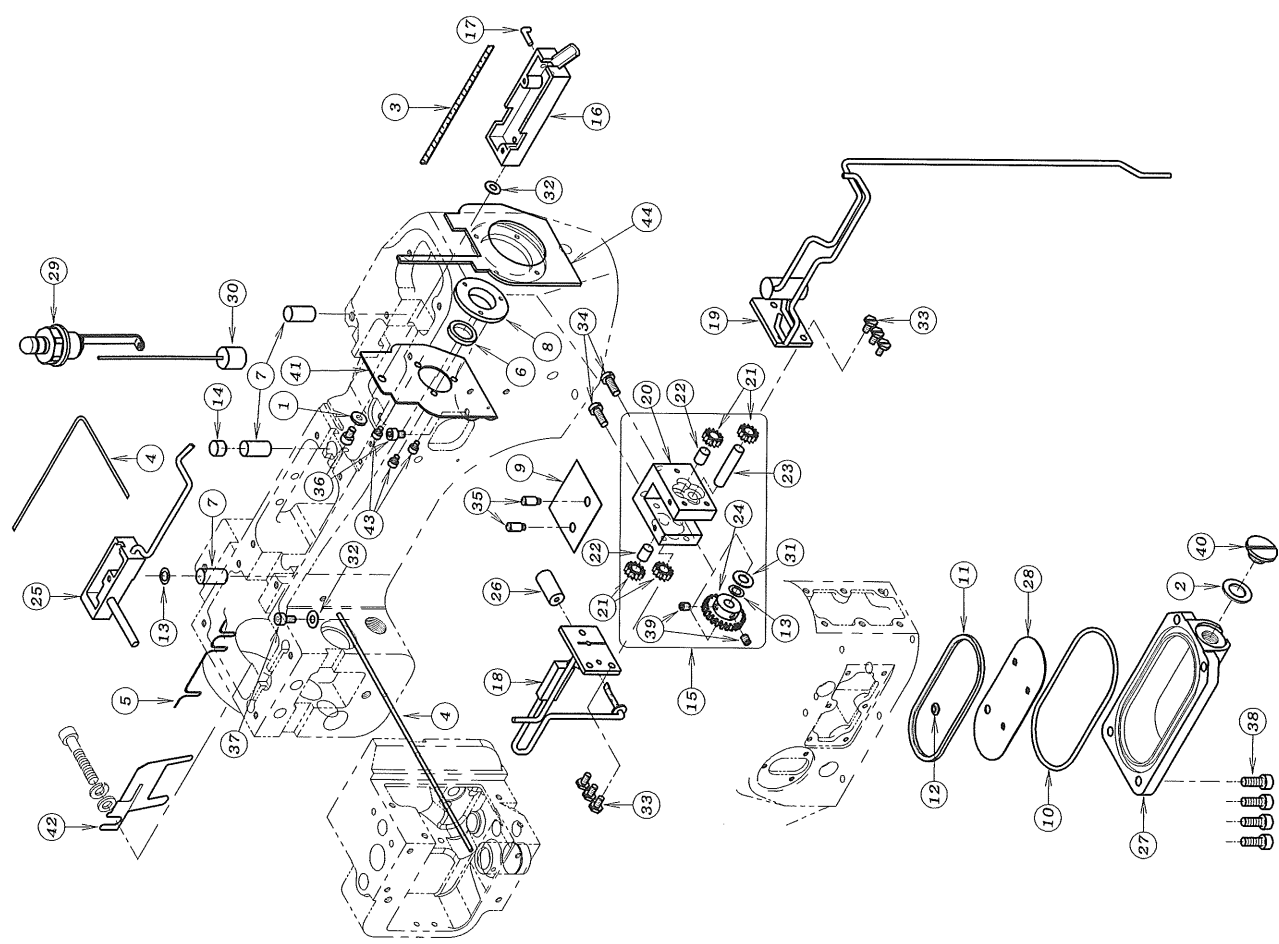


# 10. 押え揚げ機構 PRESSER FOOT MECHANISM



| REF. NO. | PART NO. | 品 名              | DESCRIPTION           | QTY |
|----------|----------|------------------|-----------------------|-----|
| 10-01    | 71-806   | ピン               | PIN                   | 1   |
| 10-02    | 71-818   | 押え棒              | PRESSER BAR           | 1   |
| 10-03    | 75-455   | ワッシャー            | WASHER                | 2   |
| 10-04    | 77-605   | 押え揚げ連結リンク (A)    | LIFTER LEVER LINK (A) | 1   |
| 10-05    | 77-606   | 押え揚げ連結リンク (B)    | LIFTER LEVER LINK (B) | 1   |
| 10-06    | 77-610   | 押え揚げレバ -         | LEVER                 | 1   |
| 10-07    | 77-612   | 押え揚げ連結レバ -       | LEVER                 | 1   |
| 10-08    | 77-614   | 押え棒カ・イト          | PRESSER BAR GUIDE     | 1   |
| 10-09    | 77-615   | 押え揚げレバ - ガ・イト・ピン | GUIDE PIN             | 1   |
| 10-10    | 77-616   | 押え揚げレバ - 用ラッチ    | LATCH                 | 1   |
| 10-11    | 77-617   | 押え揚げレバ - (A)     | LEVER                 | 1   |
| 10-12    | 77-618   | 押え揚げレバ - (B)     | LEVER                 | 1   |
| 10-13    | 77-621   | 押え高さ調節ネジ         | ADJUSTING SCREW       | 1   |
| 10-14    | 77-622   | 押え棒カ・イト          | PRESSER BAR GUIDE     | 1   |
| 10-15    | 23-190   | Oリング             | O RING                | 1   |
| 10-16    | 79-036   | 押え棒ハネ            | SPRING                | 1   |
| 10-17    | 84-412   | ネジ               | SCREW                 | 1   |
| 10-18    | 84-521   | ネジ               | SCREW                 | 2   |
| 10-19    | 84-762   | ネジ               | SCREW                 | 1   |
| 10-20    | 87-145   | ネジ               | SCREW                 | 1   |
| 10-21    | 87-224   | 六角穴付きボルト         | BOLT                  | 1   |
| 10-22    | 87-254   | ネジ               | SCREW                 | 1   |
| 10-23    | 87-603   | ネジ               | SCREW                 | 2   |
| 10-24    | 87-604   | 押え棒筒ネジ           | SCREW                 | 1   |
| 10-25    | 88-157   | ナット              | NUT                   | 1   |
| 10-26    | 88-166   | ナット              | NUT                   | 1   |
| 10-27    | 88-600   | ナット              | NUT                   | 1   |
| 10-28    | 88-601   | ロックナット           | NUT                   | 1   |
| 10-29    | 88-602   | 調節ナット            | NUT                   | 1   |
| 10-30    | 98-677   | ネジ               | SCREW                 | 2   |

# 11. 給油機構 LUBRICATION MECHANISM



| REF. NO. | PART NO. | 品 名             | DESCRIPTION           | Q'TY |
|----------|----------|-----------------|-----------------------|------|
| 11-01    | 23-160   | 配管油止メシール        | SEAL WASHER           | 1    |
| 11-02    | 23-304   | シール             | SEAL                  | 1    |
| 11-03    | 23-341   | フェルト            | FELT                  | 1    |
| 11-04    | 23-556   | フェルト            | FELT                  | 2    |
| 11-05    | 23-603   | モール             | OIL WICK              | 1    |
| 11-06    | 23-625   | オイルシール          | OIL SEAL              | 1    |
| 11-07    | 23-605   | フェルト            | FELT                  | 1    |
| 11-08    | 98-544   | オイルシールブラケット     | OIL SEAL BRACKET      | 3    |
| 11-09    | 23-607   | ハウジング・ハ・ッキン     | GASKET                | 1    |
| 11-10    | 23-608   | オリング            | O RING                | 1    |
| 11-11    | 23-609   | 油ろ過網・ッキン        | RUBBER SEAL           | 1    |
| 11-12    | 23-610   | ゴムプ・ッジュ         | SEAL                  | 1    |
| 11-13    | 23-615   | オリング            | O RING                | 2    |
| 11-14    | 25-526   | 詰め栓             | PLUG                  | 1    |
| 11-15    | 30-0300  | ボ・ソフ・セット        | PUMP ASS'Y            | 1    |
| 11-16    | 31-614   | オイルサ・ーハ・ー(前)    | OIL RECEIVER (FRONT)  | 1    |
| 11-17    | 31-615   | ハ・イフ            | PIPE                  | 1    |
| 11-18    | 31-616   | ハウジング・カハ・ー      | HOUSING COVER         | 1    |
| 11-19    | 31-617   | ハウジング・カハ・ー(前)   | HOUSING COVER (FRONT) | 1    |
| 11-20    | 31-637   | ボ・ソフ・ハウジ・ング     | PUMP HOUSING          | 1    |
| 11-21    | 31-638   | ボ・ソフ・キ・ア        | PUMP GEAR             | 4    |
| 11-22    | 31-639   | ボ・ソフ・キ・ヤジャフト(短) | SHAFT                 | 2    |
| 11-23    | 31-640   | ボ・ソフ・キ・ヤジャフト(長) | SHAFT                 | 1    |
| 11-24    | 31-641   | ボ・ソフ・駆動キ・ア      | PUMP DRIVE GEAR       | 1    |
| 11-25    | 31-664   | オイルサ・ーハ・ー(後)    | OIL RECIVER           | 1    |
| 11-26    | 31-646   | 吸入フィルタ          | FILTER                | 1    |
| 11-27    | 31-647   | オイルソク           | OIL RESERVOIR         | 1    |
| 11-28    | 31-648   | 油ろ過網            | OIL FILTER            | 1    |
| 11-29    | 39-605   | オイルゲ・ーシ         | OIL GAUGE             | 1    |
| 11-30    | 39-604   | 油量指示棒           | INDICATOR             | 1    |
| 11-31    | 75-452   | ワッシャ            | WASHER                | 1    |
| 11-32    | 75-455   | ワッシャ            | WASHER                | 2    |
| 11-33    | 84-412   | ネジ              | SCREW                 | 6    |
| 11-34    | 84-566   | ネジ              | SCREW                 | 2    |
| 11-35    | 84-652   | ボ・ソフ・ア・ラク・ネジ    | SCREW                 | 2    |
| 11-36    | 87-092   | 六角穴付きボルト        | BOLT                  | 2    |
| 11-37    | 87-177   | 六角穴付きボルト        | BOLT                  | 1    |
| 11-38    | 87-224   | 六角穴付きボルト        | BOLT                  | 4    |
| 11-39    | 84-521   | ネジ              | SCREW                 | 2    |
| 11-40    | 87-311   | フタネジ            | SCREW                 | 1    |
| 11-41    | 98-536   | 下糸調整器シール板       | SHIELD PLATE          | 1    |
| 11-42    | 98-613   | オイルシール板         | OIL SHIELD            | 1    |
| 11-43    | 87-142   | ネジ              | SCREW                 | 3    |
| 11-44    | 23-606   | 糸調子カム防油フェルト     | FELT                  | 1    |

## SPREADER DRIVE, UPPER KNIFE MECHANISM

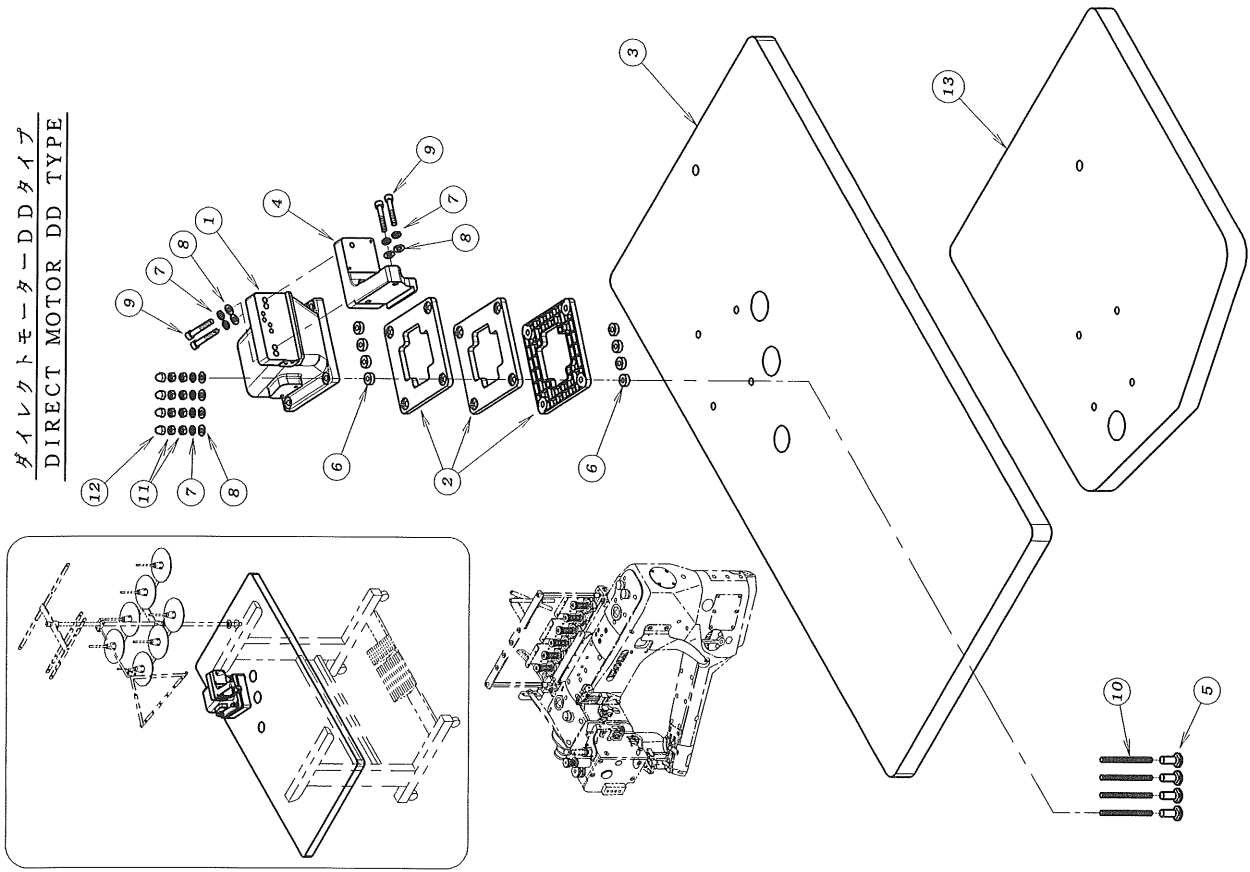


- 12 -

13. テーブル関係 タイプ° (1) TABLE TYPE (1)

SET STYLE

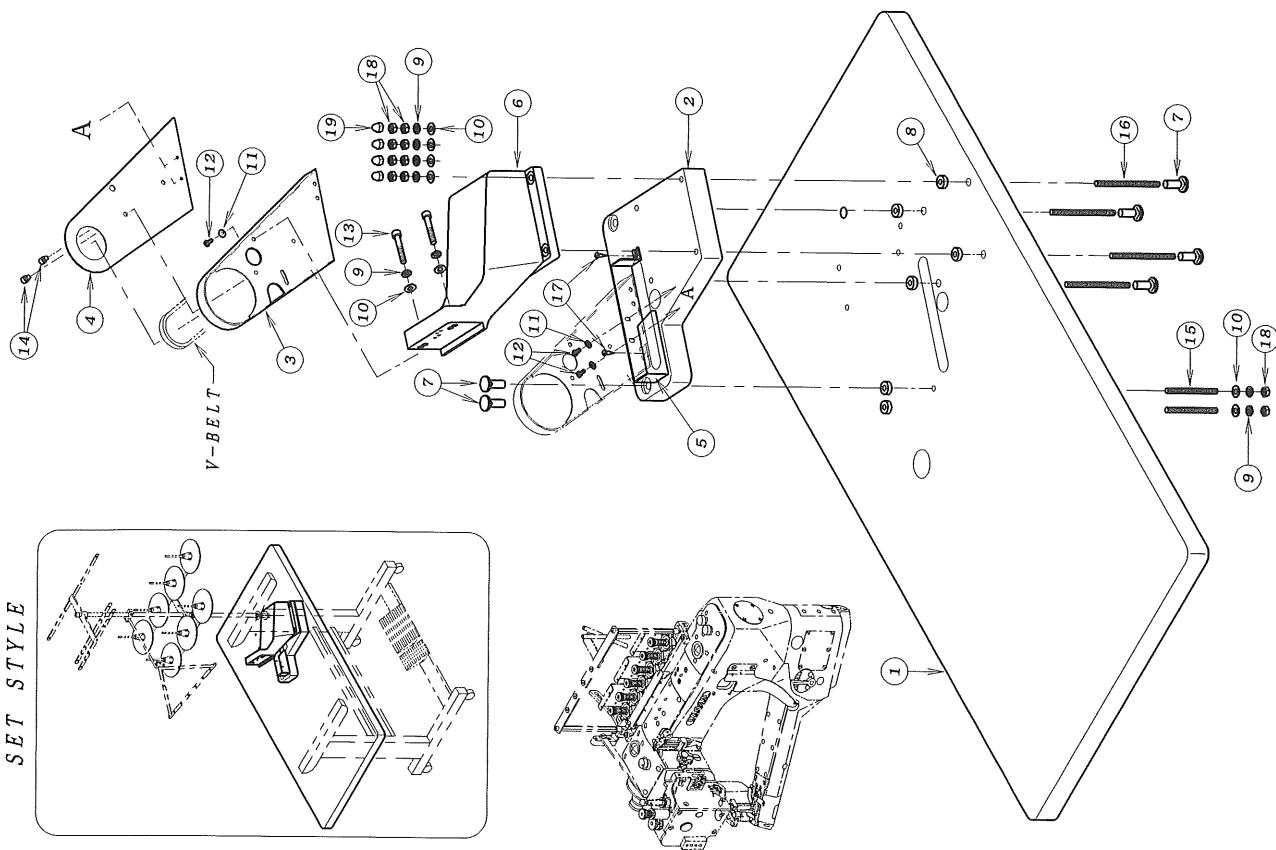
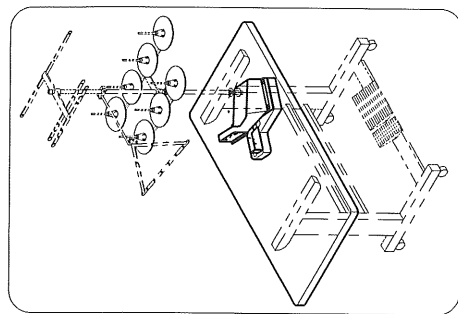
ダイレクトモーターDDタイプ  
DIRECT MOTOR DD TYPE



| REF. NO. | PART NO. | 品 名          | DESCRIPTION    | Q'TY |
|----------|----------|--------------|----------------|------|
| 13-01    | 22-614   | マウントベース      | MOUNT BASE     | 1    |
| 13-02    | 27-652   | スペーサー        | SPACER         | 3    |
| 13-03    | 27-300   | テーブル         | TABLE          | 1    |
| 13-04    | 27-635   | ブラケット        | BRACKET        | 1    |
| 13-05    | 42-503   | 本体据付ナット      | NUT            | 4    |
| 13-06    | 42-513   | 防振ゴム         | CUSHION RUBBER | 8    |
| 13-07    | 75-225   | スプ・リンク・ワッシャ  | SPRING WASHER  | 8    |
| 13-08    | 75-451   | ワッシャ         | WASHER         | 8    |
| 13-09    | 87-226   | 六角穴付きボルト     | BOLT           | 4    |
| 13-10    | 87-676   | 連結ボルト        | BOLT           | 4    |
| 13-11    | 88-176   | ナット          | NUT            | 8    |
| 13-12    | 88-183   | 袋ナット         | NUT            | 4    |
| 13-13    | SX-167   | ベラスタルタイプテーブル | TABLE          | 1    |

14. テーブル関係 タイプ° (2) TABLE TYPE (2)

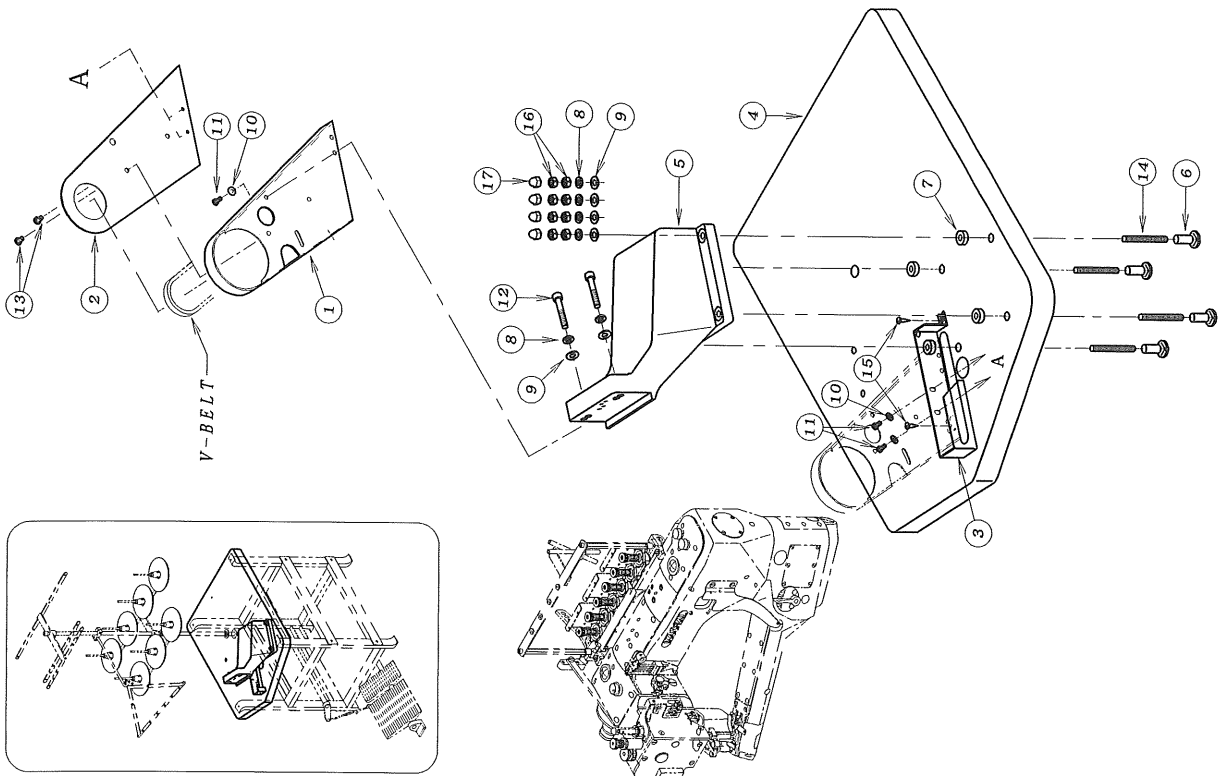
SET STYLE



| REF. NO. | PART NO. | 品名           | DESCRIPTION      | Q'TY |
|----------|----------|--------------|------------------|------|
| 14-01    | 21-969   | テーブル         | TABLE            | 1    |
| 14-02    | 21-971   | マウントベース取付台   | MOUNT BASE TABLE | 1    |
| 14-03    | 27-623   | ベルトカバー (A)   | BELT COVER (A)   | 1    |
| 14-04    | 21-988   | ベルトカバー (B)   | BELT COVER (B)   | 1    |
| 14-05    | 21-991   | ベルト補助カバー     | COVER            | 1    |
| 14-06    | 22-614   | マウントベース      | MOUNT BASE       | 1    |
| 14-07    | 42-503   | 本体取付ナット      | NUT              | 6    |
| 14-08    | 42-513   | 防振ゴム         | CUSHION RUBBER   | 6    |
| 14-09    | 75-225   | スプリングワッシャー   | SPRING WASHER    | 8    |
| 14-10    | 75-451   | ワッシャー        | WASHER           | 8    |
| 14-11    | 75-453   | ワッシャー        | WASHER           | 3    |
| 14-12    | 87-490   | ブラマイナベ小ねじ    | SCREW            | 3    |
| 14-13    | 87-226   | 六角穴付きボルト     | BOLT             | 2    |
| 14-14    | 87-255   | 六角穴付きボルト     | BOLT             | 2    |
| 14-15    | 87-674   | 連結ボルト (95L)  | BOLT (95L)       | 2    |
| 14-16    | 87-675   | 連結ボルト (120L) | BOLT (120L)      | 4    |
| 14-17    | 87-901   | 木ネジ          | SCREW            | 2    |
| 14-18    | 88-176   | ナット          | NUT              | 10   |
| 14-19    | 88-183   | 袋ナット         | NUT              | 4    |

15. テーブル関係 タイプ° (3) TABLE TYPE (3)

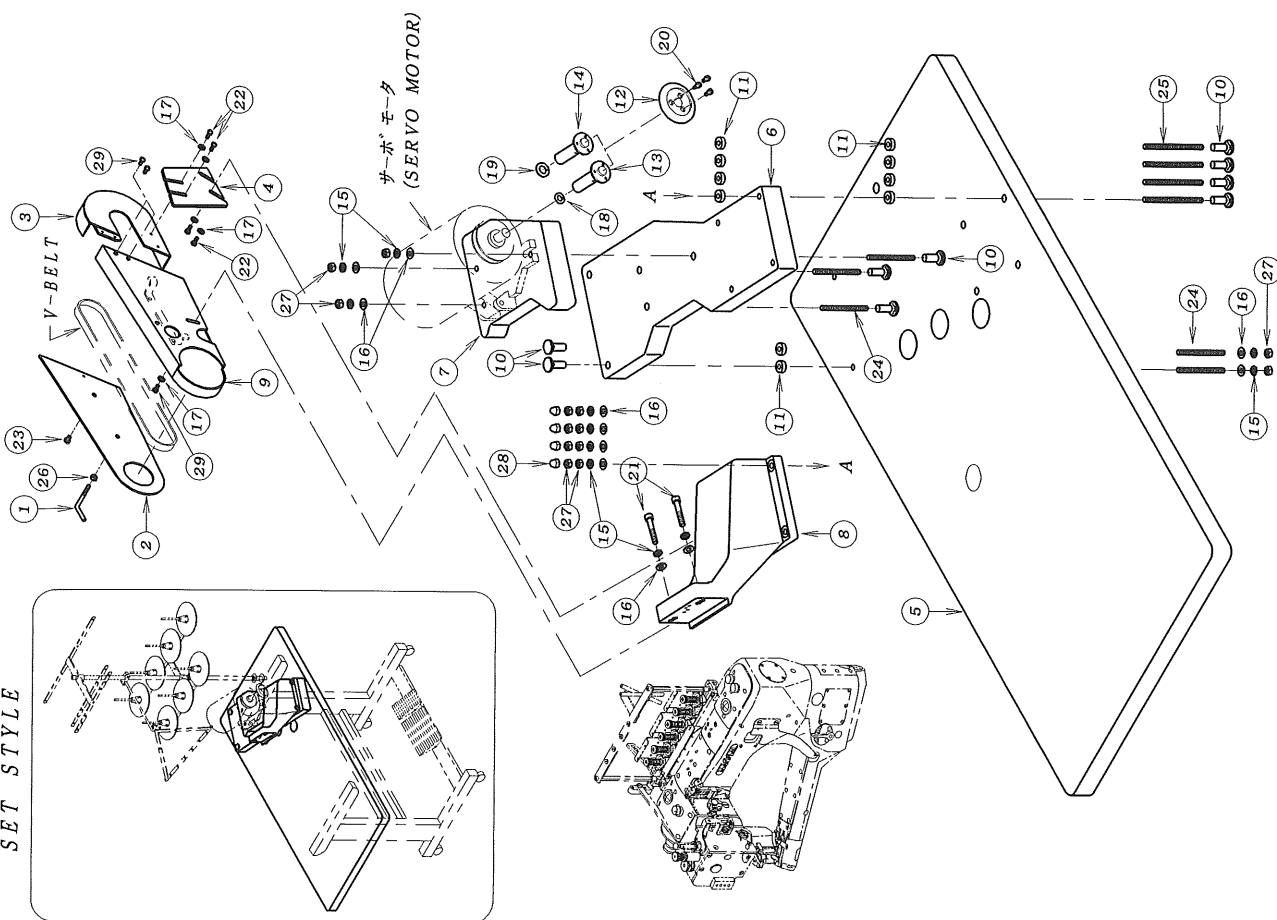
SET STYLE



| REF. NO. | PART NO. | 品 名         | DESCRIPTION    | Q'TY |
|----------|----------|-------------|----------------|------|
| 15-01    | 27-623   | ベルトカバー (A)  | BELT COVER (A) | 1    |
| 15-02    | 21-988   | ベルトカバー (B)  | BELT COVER (B) | 1    |
| 15-03    | 21-991   | ベルト補助カバー    | COVER          | 1    |
| 15-04    | 21-995   | テーブル        | TABLE          | 1    |
| 15-05    | 22-614   | マウントベース     | MOUNT BASE     | 1    |
| 15-06    | 42-503   | 本体据付ナット     | NUT            | 4    |
| 15-07    | 42-513   | 防振ゴム        | CUSHION RUBBER | 4    |
| 15-08    | 75-225   | スプリング ワッシャー | SPRING WASHER  | 6    |
| 15-09    | 75-451   | ワッシャー       | WASHER         | 6    |
| 15-10    | 75-453   | ワッシャー       | WASHER         | 3    |
| 15-11    | 87-490   | ブラマイナベ小ねじ   | SCREW          | 3    |
| 15-12    | 87-226   | 六角穴付きボルト    | BOLT           | 2    |
| 15-13    | 87-492   | ブラマイナベ小ねじ   | SCREW          | 2    |
| 15-14    | 87-673   | 連結ボルト (75L) | BOLT (75L)     | 4    |
| 15-15    | 87-901   | 木ネジ         | SCREW          | 2    |
| 15-16    | 88-176   | ナット         | NUT            | 8    |
| 15-17    | 88-183   | 袋ナット        | NUT            | 4    |

# 16. テーブル関係 タイプ° (4) TABLE TYPE (4)

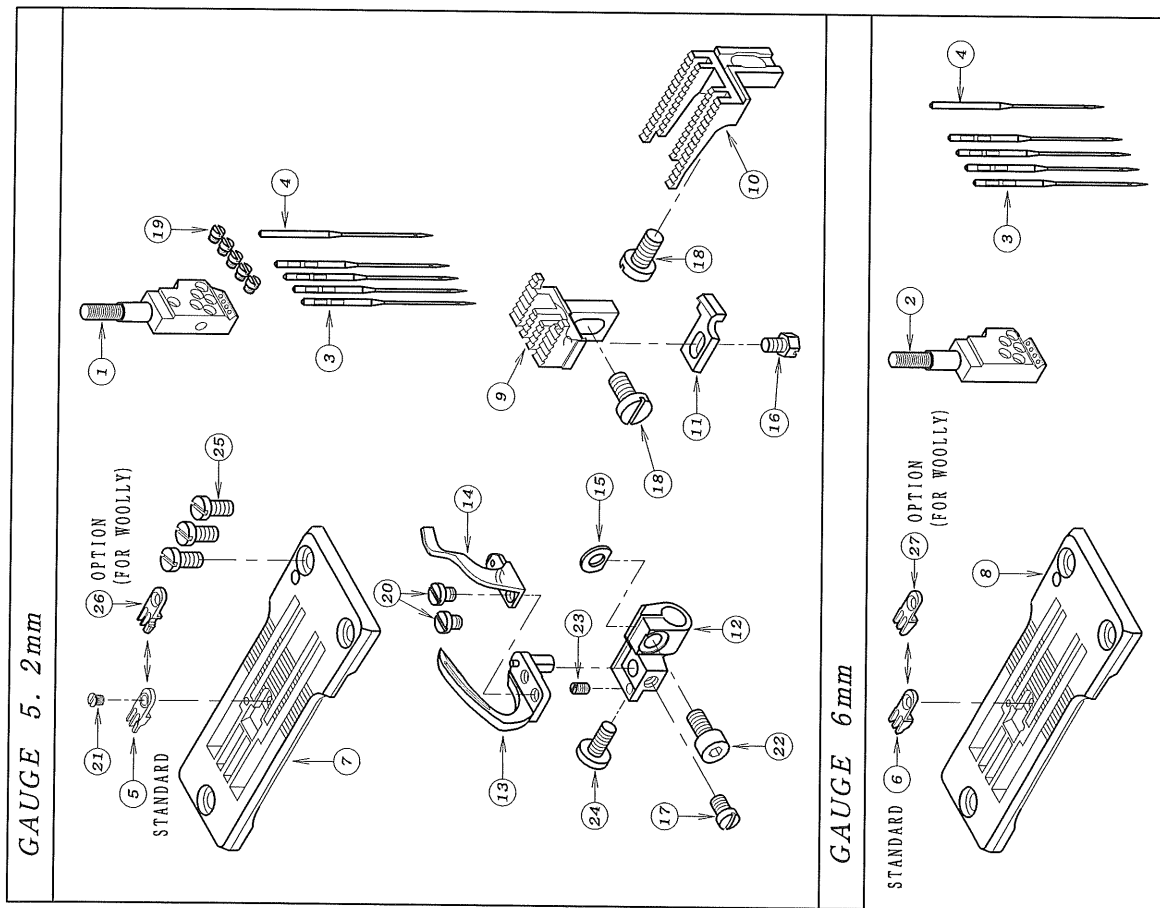
SET STYLE



| REF. NO. | PART NO. | 品名              | DESCRIPTION      | QTY |
|----------|----------|-----------------|------------------|-----|
| 16-01    | 06-634   | 検出器用止金具         | BAR              | 1   |
| 16-02    | 21-988   | ベルトカバー (B)      | BELT COVER (B)   | 1   |
| 16-03    | 21-989   | ベルトカバー (C)      | BELT COVER (C)   | 1   |
| 16-04    | 21-990   | ベルトカバー - 取付プレート | PLATE            | 1   |
| 16-05    | 21-992   | テーブル            | TABLE            | 1   |
| 16-06    | 21-993   | マウントベース取付台      | MOUNT BASE TABLE | 1   |
| 16-07    | 21-994   | モーター取付台         | MOTOR TABLE      | 1   |
| 16-08    | 22-614   | マウントベース         | MOUNT BASE       | 1   |
| 16-09    | 27-623   | ベルトカバー (A)      | BELT COVER (A)   | 1   |
| 16-10    | 42-503   | 本体取付ナット         | NUT              | 9   |
| 16-11    | 42-513   | 防振ゴム            | CUSHION RUBBER   | 10  |
| 16-12    | 69-613   | ハンドホイール         | HAND WHEEL       | 1   |
| 16-13    | 69-615   | ハンドホイール取付台      | JOINT            | 1   |
| 16-14    | 69-618   | ハンドホイール取付台      | JOINT            | 1   |
| 16-15    | 75-225   | スプリングワッシャー      | SPRING WASHER    | 11  |
| 16-16    | 75-451   | ワッシャー           | WASHER           | 11  |
| 16-17    | 75-453   | ワッシャー           | WASHER           | 5   |
| 16-18    | 75-583   | バネ座金            | SPRING WASHER    | 1   |
| 16-19    | 75-584   | バネ座金            | SPRING WASHER    | 1   |
| 16-20    | 87-213   | 六角穴付きボルト        | BOLT             | 3   |
| 16-21    | 87-226   | 六角穴付きボルト        | BOLT             | 2   |
| 16-22    | 87-491   | ブラマイナベ小ねじ       | SCREW            | 4   |
| 16-23    | 87-492   | ブラマイナベ小ねじ       | SCREW            | 1   |
| 16-24    | 87-674   | 連結ボルト           | BOLT             | 5   |
| 16-25    | 87-675   | 連結ボルト           | BOLT             | 4   |
| 16-26    | 88-166   | ナット             | NUT              | 1   |
| 16-27    | 88-176   | ナット             | NUT              | 13  |
| 16-28    | 88-183   | 袋ナット            | NUT              | 4   |
| 16-29    | 87-490   | ブラマイナベ小ねじ       | SCREW            | 3   |

# 17. ゲージ関係 (1) GAUGE PARTS (1)

MODEL NFS6604GFS, GFSL

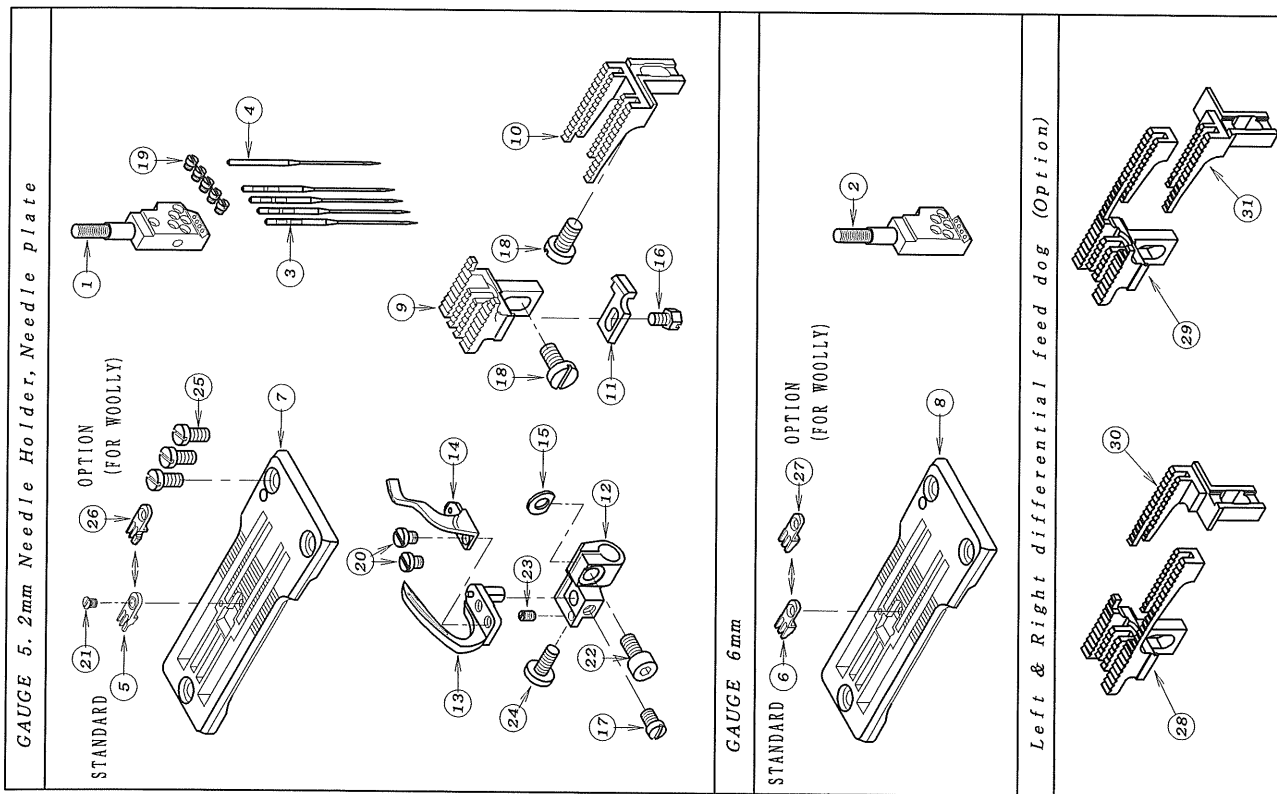


| REF. NO. | PART NO.  | 品 名                | DESCRIPTION           | Q'TY |
|----------|-----------|--------------------|-----------------------|------|
| 17-01    | 12-621    | 針株 (5.2mm)         | NEEDLE HOLDER         | 1    |
| 17-02    | 12-622    | 針株 (6mm)           | NEEDLE HOLDER         | 1    |
| 17-03    | 13-6010-5 | 針 FLX118GCS#10     | NEEDLE FLX118GCS#10   | 4    |
| 17-04    | 13-6020-6 | 針 FLG-8            | NEEDLE FLG-8          | 1    |
| 17-05    | 14-601    | 針板ツマ (5.2mm)       | NEEDLE PLATE TONGUE   | 1    |
| 17-06    | 14-602    | 針板ツマ (6mm)         | NEEDLE PLATE TONGUE   | 1    |
| 17-07    | 14-621    | 針板                 | NEEDLE PLATE          | 1    |
| 17-08    | 14-622    | 針板 (6mm)           | NEEDLE PLATE (6)      | 1    |
| 17-09    | 15-621    | 主送歯                | MAIN FEED DOG         | 1    |
| 17-10    | 15-623    | 差動送歯               | DIFFERENTIAL FEED DOG | 1    |
| 17-11    | 18-621    | 針受け                | NEEDLE GUARD          | 1    |
| 17-12    | 19-618    | ルーパー台              | LOOPER HOLDER         | 1    |
| 17-13    | 19-619    | ルーパー               | LOOPER                | 1    |
| 17-14    | 19-620    | 補助ルーパー             | NEEDLE GUIDE          | 1    |
| 17-15    | 75-617    | スベ-サー              | WASHER                | 1    |
| 17-16    | 84-165    | ネジ                 | SCREW                 | 1    |
| 17-17    | 84-379    | ネジ                 | SCREW                 | 1    |
| 17-18    | 84-571    | ネジ                 | SCREW                 | 2    |
| 17-19    | 85-603    | ネジ                 | SCREW                 | 5    |
| 17-20    | 84-167    | ネジ                 | SCREW                 | 2    |
| 17-21    | 85-616    | ネジ                 | SCREW                 | 1    |
| 17-22    | 87-177    | 六角穴付きボルト           | BOLT                  | 1    |
| 17-23    | 87-609    | ネジ                 | SCREW                 | 1    |
| 17-24    | 87-610    | ネジ                 | SCREW                 | 1    |
| 17-25    | 87-612    | ネジ                 | SCREW                 | 3    |
| 17-26    | 14-604    | 針板ツマ (5.2mm) クーリー用 | NEEDLE PLATE TONGUE   | 1    |
| 17-27    | 14-605    | 針板ツマ (6mm) クーリー用   | NEEDLE PLATE TONGUE   | 1    |



# 18. ゲージ関係 (2) GAUGE PARTS (2)

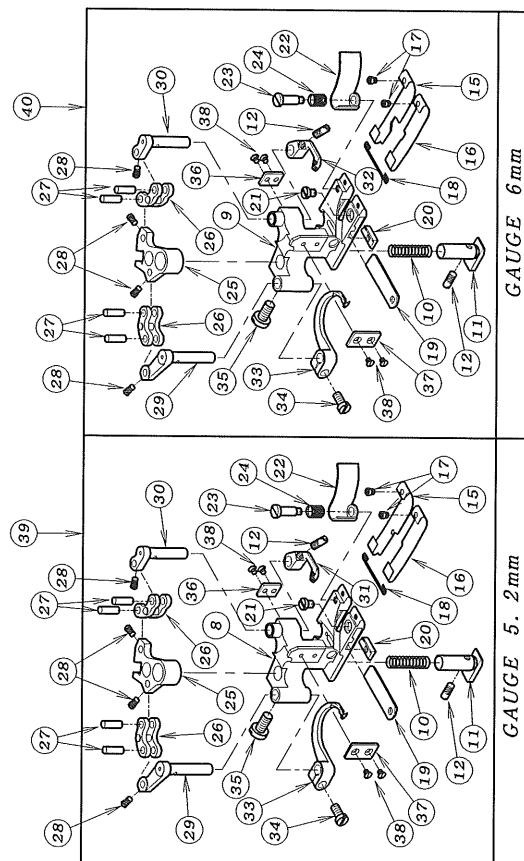
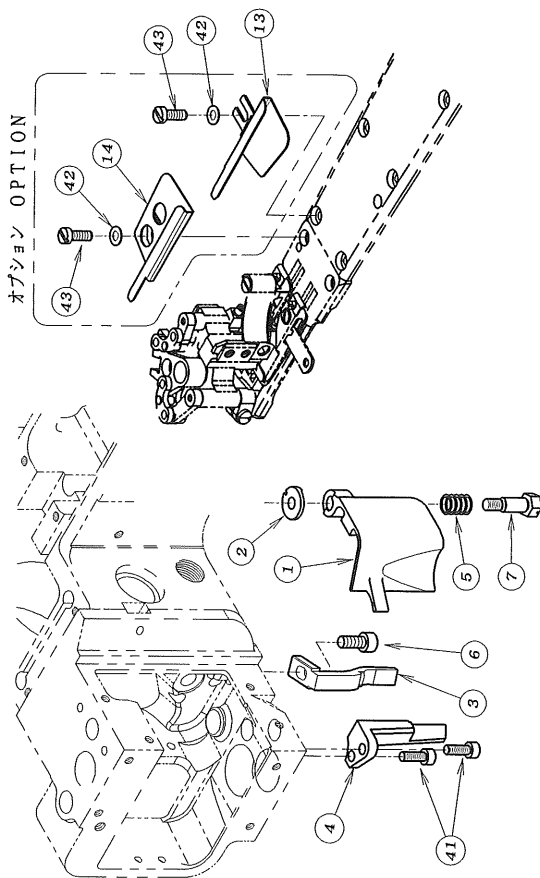
MODEL NFS6604GFLM, GFMH, GFMH-B



| REF. NO. | PART NO.  | 品 名               | DESCRIPTION           | Q'TY |
|----------|-----------|-------------------|-----------------------|------|
| 18-01    | 12-621    | 針株 (5.2mm)        | NEEDLE HOLDER         | 1    |
| 18-02    | 12-622    | 針株 (6mm)          | NEEDLE HOLDER         | 1    |
| 18-03    | 13-6010-5 | 針 FLX118GCS#10    | NEEDLE FLX118GCS#10   | 4    |
| 18-04    | 13-6020-6 | 針 FLG-8           | NEEDLE FLG-8          | 1    |
| 18-05    | 14-601    | 針板ツマ (5.2mm)      | NEEDLE PLATE TONGUE   | 1    |
| 18-06    | 14-602    | 針板ツマ (6mm)        | NEEDLE PLATE TONGUE   | 1    |
| 18-07    | 14-623    | 針板 (5.2mm)        | NEEDLE PLATE (5.2)    | 1    |
| 18-08    | 14-624    | 針板 (6mm)          | NEEDLE PLATE (6)      | 1    |
| 18-09    | 15-622    | 主送り歯              | MAIN FEED DOG         | 1    |
| 18-10    | 15-623    | 差動送り歯             | DIFFERENTIAL FEED DOG | 1    |
| 18-11    | 18-621    | 針受け               | NEEDLE GUARD          | 1    |
| 18-12    | 19-618    | ルーパー台             | LOOPER HOLDER         | 1    |
| 18-13    | 19-619    | ルーパー              | LOOPER                | 1    |
| 18-14    | 19-620    | 補助ルーパー            | NEEDLE GUIDE          | 1    |
| 18-15    | 75-617    | スベリサ              | WASHER                | 1    |
| 18-16    | 84-165    | ネジ                | SCREW                 | 1    |
| 18-17    | 84-379    | ネジ                | SCREW                 | 1    |
| 18-18    | 84-571    | ネジ                | SCREW                 | 2    |
| 18-19    | 85-603    | ネジ                | SCREW                 | 5    |
| 18-20    | 84-167    | ネジ                | SCREW                 | 2    |
| 18-21    | 85-616    | ネジ                | SCREW                 | 1    |
| 18-22    | 87-177    | 六角穴付きボルト          | BOLT                  | 1    |
| 18-23    | 87-609    | ネジ                | SCREW                 | 1    |
| 18-24    | 87-610    | ネジ                | SCREW                 | 1    |
| 18-25    | 87-612    | ネジ                | SCREW                 | 3    |
| 18-26    | 14-604    | 針板ツマ (5.2mm) クーリ用 | NEEDLE PLATE TONGUE   | 1    |
| 18-27    | 14-605    | 針板ツマ (6mm) クーリ用   | NEEDLE PLATE TONGUE   | 1    |
| 18-28    | 15-635    | 主送り歯              | MAIN FEED DOG         | 1    |
| 18-29    | 15-636    | 主送り歯              | MAIN FEED DOG         | 1    |
| 18-30    | 15-637    | 差動送り歯             | DIFFERENTIAL FEED DOG | 1    |
| 18-31    | 15-638    | 差動送り歯             | DIFFERENTIAL FEED DOG | 1    |

# 19. 押え機構 (1) PRESSER FOOT UNIT (1)

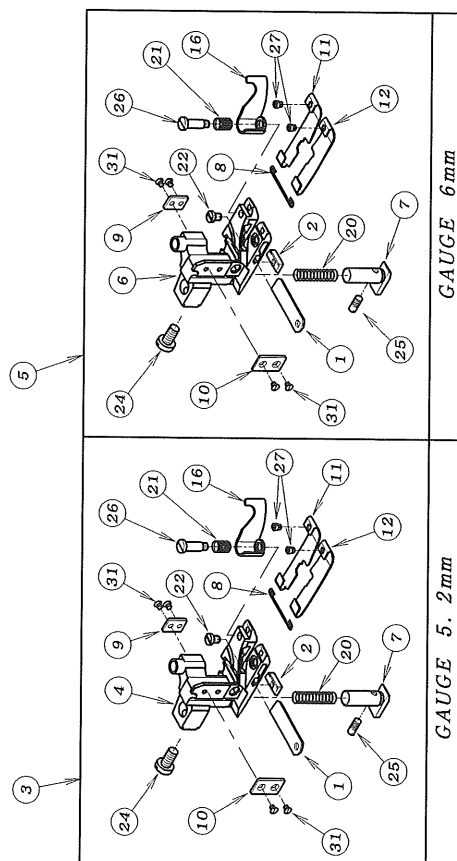
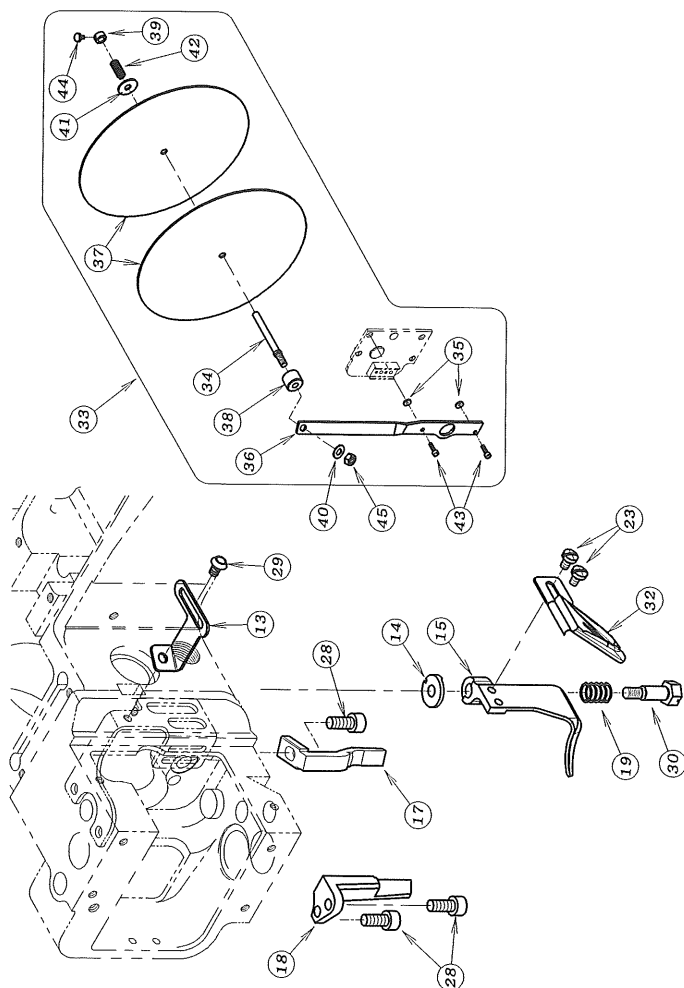
MODEL NFS6604GFS



| REF. NO. | PART NO.  | 品名            | DESCRIPTION                | QTY |
|----------|-----------|---------------|----------------------------|-----|
| 19-01    | 27-607    | 切屑カバー         | CHIP GUARD                 | 1   |
| 19-02    | 27-613    | 切屑カバー取付座金     | WASHER                     | 1   |
| 19-03    | 77-619    | 押えガイド (右)     | PRESSER FOOT GUIDE         | 1   |
| 19-04    | 77-626    | 押えガイド (左)     | PRESSER FOOT GUIDE         | 1   |
| 19-05    | 79-619    | スプリング         | SPRING                     | 1   |
| 19-06    | 87-252    | 六角穴付きボルト      | BOLT                       | 1   |
| 19-07    | 87-602    | 切屑カバー取付ネジ     | SCREW                      | 1   |
| 19-08    | 17-6210-A | 押え本体 (5.2mm)  | PRESSER FOOT               | 1   |
| 19-09    | 17-6220-A | 押え本体 (6mm)    | PRESSER FOOT               | 1   |
| 19-10    | 79-623    | 補助押え圧縮バネ      | SPRING                     | 1   |
| 19-11    | 17-6210-B | 補助押え          | AUXILIARY FOOT             | 1   |
| 19-12    | 84-646    | 補助押えセットビス     | SCREW                      | 2   |
| 19-13    | XG-985    | 生地ガイド         | GUIDE                      | 1   |
| 19-14    | XG-986    | 生地ガイド         | GUIDE                      | 1   |
| 19-15    | 26-652    | 押えシューズ (右)    | PRESSER FOOT SHOE (RIGHT)  | 1   |
| 19-16    | 26-653    | 押えシューズ (左)    | PRESSER FOOT SHOE (LEFT)   | 1   |
| 19-17    | 85-624    | 押えシューズ取付ネジ    | SCREW                      | 2   |
| 19-18    | 26-631    | クランプ          | HOLDER                     | 1   |
| 19-19    | 107-621   | 下マス           | LOWER KNIFE                | 1   |
| 19-20    | 107-635   | 下マス抜き         | LOWER KNIFE CLAMP          | 1   |
| 19-21    | 184-153   | 下マス抜き止ネジ      | SCREW                      | 1   |
| 19-22    | 27-616    | 切り屑カバー        | COVER                      | 1   |
| 19-23    | 84-647    | 切り屑カバーセットビス   | SCREW                      | 1   |
| 19-24    | 79-624    | 切り屑カバー用圧縮バネ   | SPRING                     | 1   |
| 19-25    | 104-605   | 上飾りドライブレバ-C   | LEVER                      | 1   |
| 19-26    | 104-606   | 上飾り作動リンク      | LINK                       | 2   |
| 19-27    | 171-807   | 上飾りドライブレバ-ピン  | PIN                        | 4   |
| 19-28    | 84-648    | 上飾りドライブレバ-止ネジ | SCREW                      | 4   |
| 19-29    | 104-607   | 上飾りドライブレバ-A   | SPREADER DRIVING LEVER (A) | 1   |
| 19-30    | 104-608   | 上飾りドライブレバ-B   | SPREADER DRIVING LEVER (B) | 1   |
| 19-31    | 104-609   | キャリアー 5.2mm   | CARRIER                    | 1   |
| 19-32    | 104-613   | キャリアー 6mm     | CARRIER                    | 1   |
| 19-33    | 19-617    | 上飾りカバー        | SPREADER                   | 1   |
| 19-34    | 184-362   | 上飾りカバー取付ネジ    | SCREW                      | 1   |
| 19-35    | 184-571   | 押え取付ネジ        | SCREW                      | 1   |
| 19-36    | 26-632    | ガイドプレート (右)   | GUIDE PLATE (RIGHT)        | 1   |
| 19-37    | 26-633    | ガイドプレート (左)   | GUIDE PLATE (LEFT)         | 1   |
| 19-38    | 87-605    | ガイドプレート取付ネジ   | SCREW                      | 4   |
| 19-39    | 17-6210-1 | 押えユニットS-52    | PRESSER FOOT ASS'Y S-52    | 1   |
| 19-40    | 17-6220-1 | 押えユニットS-60    | PRESSER FOOT ASS'Y S-60    | 1   |
| 19-41    | 187-129   | 六角穴付きボルト      | BOLT                       | 2   |
| 19-42    | 175-064   | 平座金 3.5       | WASHER                     | 2   |
| 19-43    | 187-011   | ネジ            | SCREW                      | 2   |

# 20. 押え機構 (2) PRESSER FOOT UNIT (2)

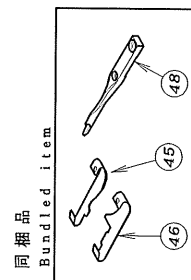
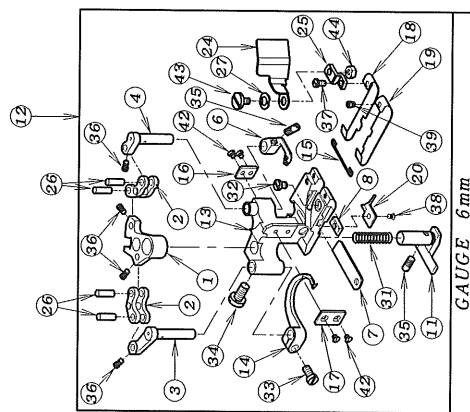
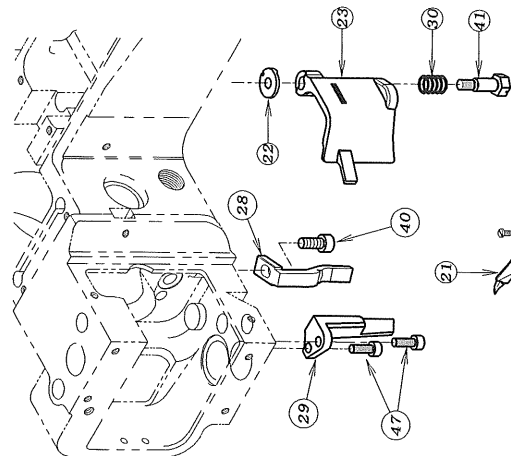
MODEL NFS6604GFSL



| REF. NO. | PART NO.  | 品名               | DESCRIPTION               | QTY |
|----------|-----------|------------------|---------------------------|-----|
| 20-01    | 07-621    | 下メス              | LOWER KNIFE               | 2   |
| 20-02    | 07-635    | 下メス抱き            | LOWER KNIFE CLAMP         | 2   |
| 20-03    | 17-6130-1 | 押えユニットSL-52      | PRESSER FOOT ASS'Y SL-52  | 1   |
| 20-04    | 17-6130-A | 押え本体 (5.2mm)     | PRESSER FOOT              | 1   |
| 20-05    | 17-6140-1 | 押えユニットSL-60      | PRESSER FOOT ASS'Y SL-60  | 1   |
| 20-06    | 17-6140-A | 押え本体 (6mm)       | PRESSER FOOT              | 1   |
| 20-07    | 17-6210-B | 補助押エ             | AUXILIARY FOOT            | 2   |
| 20-08    | 26-631    | クランプ             | HOLDER                    | 2   |
| 20-09    | 26-632    | カ・イト' プ' レート (右) | GUIDE PLATE               | 2   |
| 20-10    | 26-633    | カ・イト' プ' レート (左) | GUIDE PLATE               | 2   |
| 20-11    | 26-662    | 押えシューズ' (右)      | PRESSER FOOT SHOE (RIGHT) | 2   |
| 20-12    | 26-663    | 押えシューズ' (左)      | PRESSER FOOT SHOE (LEFT)  | 2   |
| 20-13    | 26-665    | テープ' カ' イト       | TAPE GUIDE                | 1   |
| 20-14    | 27-613    | 切屑カバ-取付座金        | WASHER                    | 1   |
| 20-15    | 27-649    | 切屑カバ-' カ' -ート'   | CHIP GUARD                | 1   |
| 20-16    | 27-657    | 切屑カバ-'           | COVER                     | 2   |
| 20-17    | 77-619    | 押えカ' イト' (右)     | PRESSER FOOT GUIDE        | 1   |
| 20-18    | 77-626    | 押えガイド (左)        | PRESSER FOOT GUIDE        | 1   |
| 20-19    | 79-619    | スプリング            | SPRING                    | 1   |
| 20-20    | 79-623    | 補助押エ圧縮バネ         | SPRING                    | 2   |
| 20-21    | 79-624    | 切屑カバ-用圧縮バネ       | SPRING                    | 2   |
| 20-22    | 84-153    | ネジ'              | SCREW                     | 2   |
| 20-23    | 84-361    | ネジ'              | SCREW                     | 2   |
| 20-24    | 84-571    | ネジ'              | SCREW                     | 2   |
| 20-25    | 84-646    | ネジ'              | SCREW                     | 2   |
| 20-26    | 84-647    | 切屑カバ-' セットネジ'    | SCREW                     | 2   |
| 20-27    | 85-624    | ネジ'              | SCREW                     | 8   |
| 20-28    | 87-252    | 六角穴付きボルト         | BOLT                      | 3   |
| 20-29    | 87-267    | ネジ'              | SCREW                     | 1   |
| 20-30    | 87-602    | 切屑カバ-' 取付ネジ'     | SCREW                     | 1   |
| 20-31    | 87-605    | ネジ'              | SCREW                     | 8   |
| 20-32    | 97-6010-1 | ホルダ' - (9mm)     | HOLDER (9mm)              | 1   |
| 20-33    | 20-6540   | テープ' リールセット      | TAPE REEL ASS'Y           | 1   |
| 20-34    | 26-667    | テープ' リール軸        | TAPE REEL SHAFT           | 1   |
| 20-35    | 23-160    | 配管油止メシール         | SEAL WASHER               | 2   |
| 20-36    | 26-666    | テープ' リール取付台      | TAPE REEL SUPPORT         | 1   |
| 20-37    | 26-668    | テープ' リール         | TAPE REEL                 | 2   |
| 20-38    | 26-669    | スペ-ースカラー         | SPACER                    | 1   |
| 20-39    | 75-154    | カラー              | COLLAR                    | 1   |
| 20-40    | 75-451    | ワッシャ             | WASHER                    | 1   |
| 20-41    | 75-535    | ワッシャ             | WASHER                    | 1   |
| 20-42    | 79-629    | スプリング            | SPRING                    | 1   |
| 20-43    | 87-214    | 六角穴付きボルト         | BOLT                      | 2   |
| 20-44    | 87-409    | ネジ               | SCREW                     | 1   |
| 20-45    | 88-176    | ナット              | NUT                       | 1   |

# 21. 押え機構 (3) PRESSER FOOT UNIT (3)

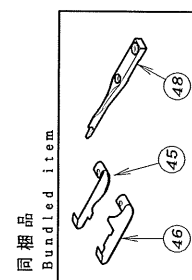
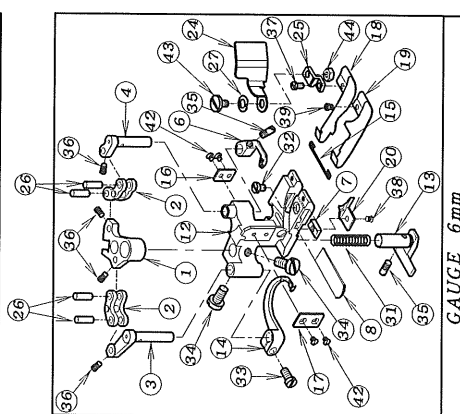
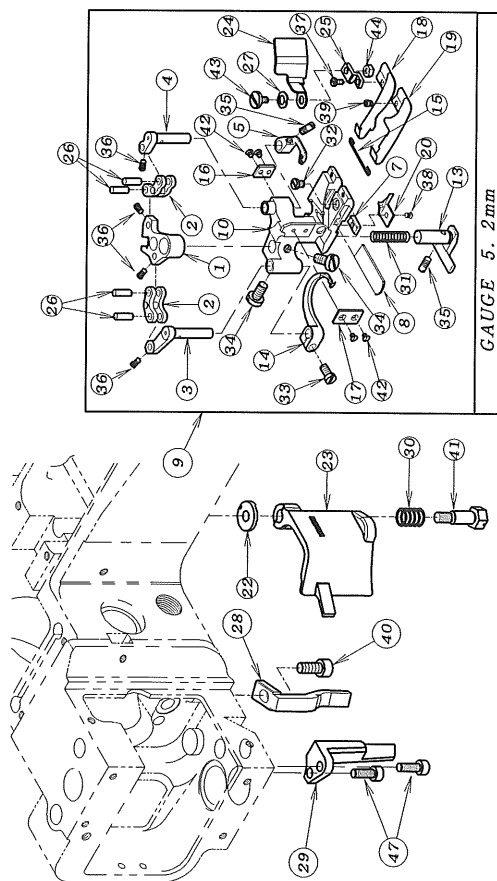
MODEL NFS6604GFLM



| REF. NO. | PART NO.  | 品 名           | DESCRIPTION               | Q'TY |
|----------|-----------|---------------|---------------------------|------|
| 21-01    | 04-605    | 上飾りドライブレバー-C  | LEVER                     | 1    |
| 21-02    | 04-606    | 上飾り差動リンク      | LINK                      | 2    |
| 21-03    | 04-607    | 上飾りドライブレバー-A  | SPREADER DRIVING LEVER    | 1    |
| 21-04    | 04-608    | 上飾りドライブレバー-B  | SPREADER DRIVING LEVER    | 1    |
| 21-05    | 04-609    | キャリアー         | CARRIER                   | 1    |
| 21-06    | 04-613    | キャリアー         | CARRIER                   | 1    |
| 21-07    | 07-621    | 下メス           | LOWER KNIFE               | 1    |
| 21-08    | 07-633    | 下メス抱き         | LOWER KNIFE CLAMP         | 1    |
| 21-09    | 17-6230-1 | 押えユニットLM-52   | PRESSER FOOT ASS'Y LM-52  | 1    |
| 21-10    | 17-6230-A | 押え本体          | FOOT                      | 1    |
| 21-11    | 17-6230-B | 補助押え          | YIELDING SECTION          | 1    |
| 21-12    | 17-6240-1 | 押えユニットLM-60   | PRESSER FOOT ASS'Y LM-60  | 1    |
| 21-13    | 17-6240-A | 押え本体          | FOOT                      | 1    |
| 21-14    | 19-617    | 上飾りルーバー       | SPREADER                  | 1    |
| 21-15    | 26-631    | クランプ          | HOLDER                    | 1    |
| 21-16    | 26-632    | カ'イト'フ°レート(右) | GUIDE PLATE               | 1    |
| 21-17    | 26-633    | カ'イト'フ°レート(左) | GUIDE PLATE               | 1    |
| 21-18    | 26-640    | 押エシューズ' (右)   | PRESSER FOOT SHOE (RIGHT) | 1    |
| 21-19    | 26-641    | 押エシューズ' (左)   | PRESSER FOOT SHOE         | 1    |
| 21-20    | 26-658    | 布カ'イト'        | CLOTH GUIDE               | 1    |
| 21-21    | 26-650    | 布ガイド          | LAP FORMER                | 1    |
| 21-22    | 27-613    | 切屑カバー-取付座金    | WASHER                    | 1    |
| 21-23    | 27-625    | 切屑カバー         | CHIP GUARD                | 1    |
| 21-24    | 27-631    | 切屑カバー         | CHIP GUARD                | 1    |
| 21-25    | 27-632    | 切屑カバー-取付台     | COVER BRACKET             | 1    |
| 21-26    | 71-807    | 上飾りドライブレバー-ピン | PIN                       | 4    |
| 21-27    | 75-618    | 波座金           | WASHER                    | 1    |
| 21-28    | 77-619    | 押えカ'イト' (右)   | PRESSER FOOT GUIDE        | 1    |
| 21-29    | 77-626    | 押えカ'イト' (左)   | PRESSER FOOT GUIDE        | 1    |
| 21-30    | 79-619    | スプ°リンク'       | SPRING                    | 1    |
| 21-31    | 79-623    | 補助押エ圧縮バネ      | SPRING                    | 1    |
| 21-32    | 84-153    | ネジ'           | SCREW                     | 1    |
| 21-33    | 84-362    | ネジ'           | SCREW                     | 1    |
| 21-34    | 84-571    | ネジ'           | SCREW                     | 1    |
| 21-35    | 84-646    | ネジ'           | SCREW                     | 2    |
| 21-36    | 84-648    | ネジ'           | SCREW                     | 4    |
| 21-37    | 85-102    | ネジ'           | SCREW                     | 1    |
| 21-38    | 85-616    | ネジ'           | SCREW                     | 1    |
| 21-39    | 85-624    | ネジ'           | SCREW                     | 1    |
| 21-40    | 87-252    | 六角穴付きボルト      | BOLT                      | 1    |
| 21-41    | 87-602    | 切屑カハ' -取付ネジ'  | SCREW                     | 1    |
| 21-42    | 87-605    | ネジ'           | SCREW                     | 4    |
| 21-43    | 87-613    | 切屑カバー-取付ネジ    | SCREW                     | 1    |
| 21-44    | 88-137    | ナット           | NUT                       | 1    |
| 21-45    | 26-656    | 押エシューズ (右)    | PRESSER FOOT SHOE (RIGHT) | 1    |
| 21-46    | 26-657    | 押エシューズ (左)    | PRESSER FOOT SHOE (LEFT)  | 1    |
| 21-47    | 87-129    | 六角穴付きボルト      | BOLT                      | 2    |
| 21-48    | 26-637    | 布カ'イト' (両切り)  | LAP FORMER                | 1    |

# 22. 押え機構 (4) PRESSER FOOT UNIT (4)

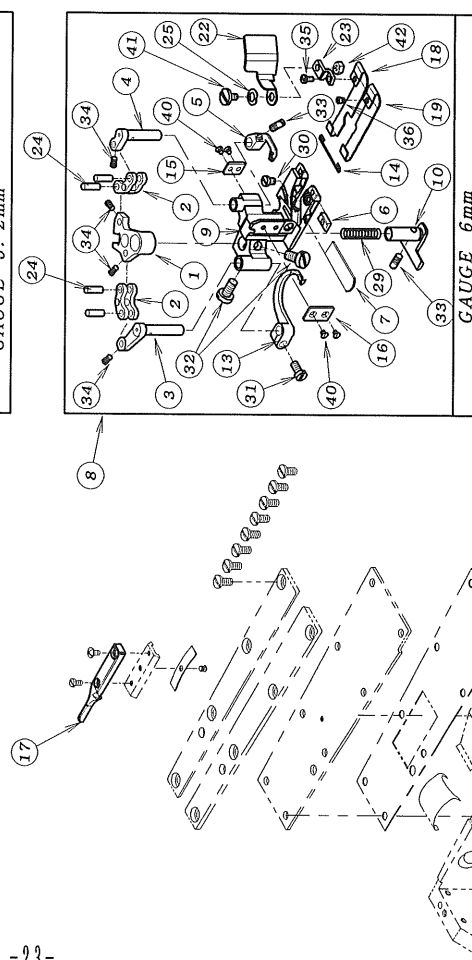
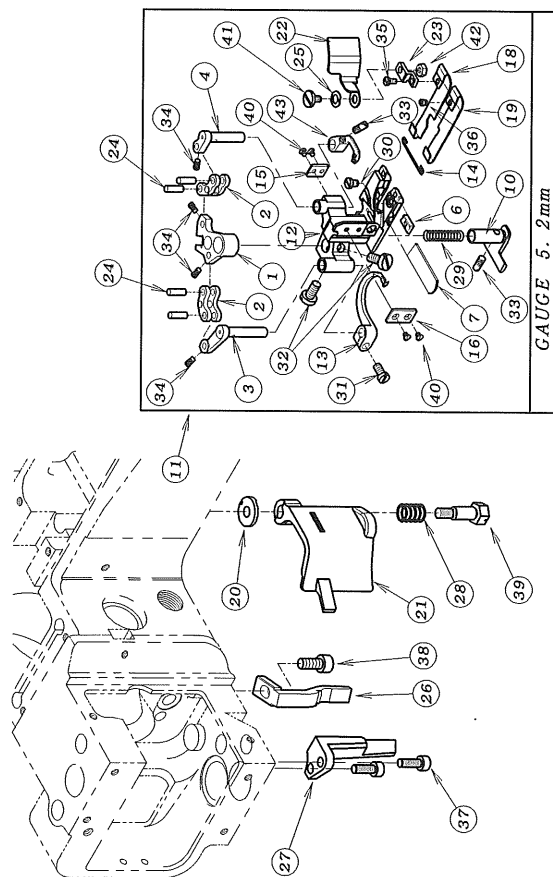
MODEL NFS6604GFMH



| REF. NO. | PART NO.  | 品 名           | DESCRIPTION               | QTY |
|----------|-----------|---------------|---------------------------|-----|
| 22-01    | 04-605    | 上飾りドライブレバー-C  | LEVER                     | 1   |
| 22-02    | 04-606    | 上飾り差動リンク      | LINK                      | 2   |
| 22-03    | 04-607    | 上飾りドライブレバー-A  | SPREADER DRIVING LEVER    | 1   |
| 22-04    | 04-608    | 上飾りドライブレバー-B  | SPREADER DRIVING LEVER    | 1   |
| 22-05    | 04-609    | キャリアー         | CARRIER                   | 1   |
| 22-06    | 04-613    | キャリアー         | CARRIER                   | 1   |
| 22-07    | 07-633    | 下メス軸さ         | LOWER KNIFE CLAMP         | 1   |
| 22-08    | 07-634    | 下メス           | LOWER KNIFE               | 1   |
| 22-09    | 17-6190-1 | 押えユニットMH-52   | PRESSER FOOT ASS'Y MH-52  | 1   |
| 22-10    | 17-6190-A | 押え本体          | FOOT                      | 1   |
| 22-11    | 17-6200-1 | 押えユニットMH-60   | PRESSER FOOT ASS'Y MH-60  | 1   |
| 22-12    | 17-6200-A | 押え本体          | FOOT                      | 1   |
| 22-13    | 17-6230-B | 補助押え          | YIELDING SECTION          | 1   |
| 22-14    | 19-617    | 上飾りルーパ -      | SPREADER                  | 1   |
| 22-15    | 26-631    | クランプ          | HOLDER                    | 1   |
| 22-16    | 26-632    | ガイド* プレート (右) | GUIDE PLATE               | 1   |
| 22-17    | 26-633    | ガイド* プレート (左) | GUIDE PLATE               | 1   |
| 22-18    | 26-643    | 押えシューズ* (右)   | PRESSER FOOT SHOE (RIGHT) | 1   |
| 22-19    | 26-644    | 押えシューズ* (左)   | PRESSER FOOT SHOE (LEFT)  | 1   |
| 22-20    | 26-645    | 布ガイド          | CLOTH GUIDE               | 1   |
| 22-21    | 26-651    | 布ガイド          | LAP FORMER                | 1   |
| 22-22    | 27-613    | 切屑カバ-取付座金     | WASHER                    | 1   |
| 22-23    | 27-625    | 切屑カバ-         | CHIP GUARD                | 1   |
| 22-24    | 27-631    | 切屑カバ-         | CHIP GUARD                | 1   |
| 22-25    | 27-632    | 切屑カバ-取付台      | COVER BRACKET             | 1   |
| 22-26    | 71-807    | 上飾りドライブレバー-ピン | PIN                       | 4   |
| 22-27    | 75-618    | 板座金           | WASHER                    | 1   |
| 22-28    | 77-619    | 押えガイド* (右)    | PRESSER FOOT GUIDE        | 1   |
| 22-29    | 77-626    | 押えガイド* (左)    | PRESSER FOOT GUIDE        | 1   |
| 22-30    | 79-619    | スプリング         | SPRING                    | 1   |
| 22-31    | 79-623    | 補助押え圧縮バネ      | SPRING                    | 1   |
| 22-32    | 84-153    | ネジ            | SCREW                     | 1   |
| 22-33    | 84-362    | ネジ            | SCREW                     | 1   |
| 22-34    | 84-571    | ネジ            | SCREW                     | 2   |
| 22-35    | 84-646    | ネジ            | SCREW                     | 2   |
| 22-36    | 84-648    | ネジ            | SCREW                     | 4   |
| 22-37    | 85-102    | ネジ            | SCREW                     | 1   |
| 22-38    | 85-616    | ネジ            | SCREW                     | 1   |
| 22-39    | 85-624    | ネジ            | SCREW                     | 1   |
| 22-40    | 87-252    | 六角穴付きボルト      | BOLT                      | 1   |
| 22-41    | 87-602    | 切屑カバ-取付ネジ     | SCREW                     | 1   |
| 22-42    | 87-605    | ネジ            | SCREW                     | 4   |
| 22-43    | 87-613    | 切屑カバ-取付ネジ     | SCREW                     | 1   |
| 22-44    | 88-137    | ナット           | NUT                       | 1   |
| 22-45    | 26-656    | 押えシューズ (左)    | PRESSER FOOT SHOE (RIGHT) | 1   |
| 22-46    | 26-657    | 押えシューズ (左)    | PRESSER FOOT SHOE (LEFT)  | 1   |
| 22-47    | 87-129    | 六角穴付きボルト      | BOLT                      | 2   |
| 22-48    | 26-637    | 布ガイド* (両切り)   | LAP FORMER                | 1   |

# 23. 押え機構 (5) PRESSER FOOT UNIT (5)

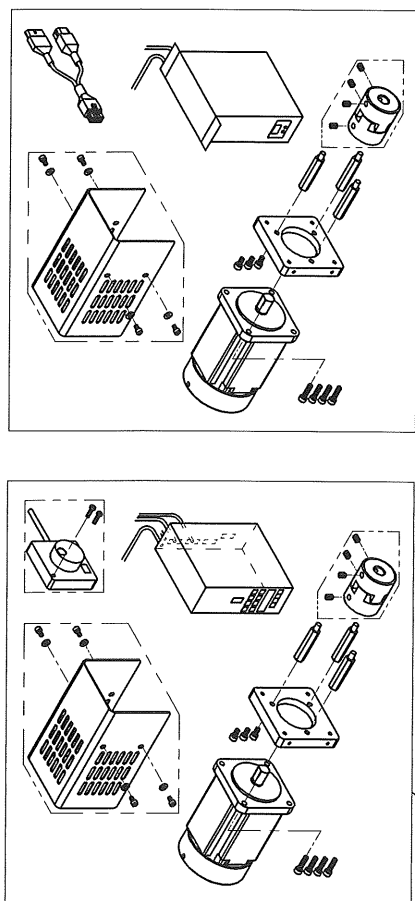
MODEL NFS6604GFMH-B



| REF. NO. | PART NO.  | 品 名           | DESCRIPTION               | QTY |
|----------|-----------|---------------|---------------------------|-----|
| 23-01    | 04-605    | 上飾りドライブレバー-C  | LEVER                     | 1   |
| 23-02    | 04-606    | 上飾り差動リンク      | LINK                      | 2   |
| 23-03    | 04-607    | 上飾りドライブレバー-A  | SPREADER DRIVING LEVER    | 1   |
| 23-04    | 04-608    | 上飾りドライブレバー-B  | SPREADER DRIVING LEVER    | 1   |
| 23-05    | 04-613    | キャリアー         | CARRIER                   | 1   |
| 23-06    | 07-633    | 下マス抱き         | LOWER KNIFE CLAMP         | 1   |
| 23-07    | 07-634    | 下マス           | LOWER KNIFE               | 1   |
| 23-08    | 17-6110-1 | 押えユニット (60)   | PRESSER FOOT ASS'Y (60)   | 1   |
| 23-09    | 17-6110-A | 押え本体          | FOOT                      | 1   |
| 23-10    | 17-6110-B | 補助押え          | YIELDING SECTION          | 1   |
| 23-11    | 17-6120-1 | 押えユニット (52)   | PRESSER FOOT ASS'Y (52)   | 1   |
| 23-12    | 17-6120-A | 押え本体          | FOOT                      | 1   |
| 23-13    | 19-617    | 上飾りレバー -      | SPREADER                  | 1   |
| 23-14    | 26-631    | クランプ          | HOLDER                    | 1   |
| 23-15    | 26-632    | ガイド・ブレード (右)  | GUIDE PLATE               | 1   |
| 23-16    | 26-633    | ガイド・ブレード (左)  | GUIDE PLATE               | 1   |
| 23-17    | 26-659    | 布ガイド          | LAP FORMER                | 1   |
| 23-18    | 26-660    | 押えシューズ (右)    | PRESSER FOOT SHOE (RIGHT) | 1   |
| 23-19    | 26-661    | 押えシューズ (左)    | PRESSER FOOT SHOE (LEFT)  | 1   |
| 23-20    | 27-613    | 切屑カバー-取付座金    | WASHER                    | 1   |
| 23-21    | 27-625    | 切屑カバー         | CHIP GUARD                | 1   |
| 23-22    | 27-631    | 切屑カバー         | CHIP GUARD                | 2   |
| 23-23    | 27-632    | 切屑カバー-取付台     | COVER BRACKET             | 2   |
| 23-24    | 71-807    | 上飾りドライブレバー-ピン | PIN                       | 8   |
| 23-25    | 75-618    | 波座金           | WASHER                    | 2   |
| 23-26    | 77-619    | 押えガイド (右)     | PRESSER FOOT GUIDE        | 1   |
| 23-27    | 77-626    | 押えガイド (左)     | PRESSER FOOT GUIDE        | 1   |
| 23-28    | 79-619    | スワ・リンク        | SPRING                    | 1   |
| 23-29    | 79-623    | 補助押え圧縮バネ      | SPRING                    | 1   |
| 23-30    | 84-153    | ネジ            | SCREW                     | 1   |
| 23-31    | 84-362    | ネジ            | SCREW                     | 1   |
| 23-32    | 84-571    | ネジ            | SCREW                     | 2   |
| 23-33    | 84-646    | ネジ            | SCREW                     | 2   |
| 23-34    | 84-648    | ネジ            | SCREW                     | 4   |
| 23-35    | 85-102    | ネジ            | SCREW                     | 1   |
| 23-36    | 85-624    | ネジ            | SCREW                     | 2   |
| 23-37    | 87-129    | 六角穴付きボルト      | BOLT                      | 2   |
| 23-38    | 87-252    | 六角穴付きボルト      | BOLT                      | 1   |
| 23-39    | 87-602    | 切屑カバー-取付ネジ    | SCREW                     | 1   |
| 23-40    | 87-605    | ネジ            | SCREW                     | 4   |
| 23-41    | 87-613    | 切屑カバー-取付ネジ    | SCREW                     | 1   |
| 23-42    | 88-137    | ナット           | NUT                       | 1   |
| 23-43    | 104-609   | キャリアー         | CARRIER                   | 1   |

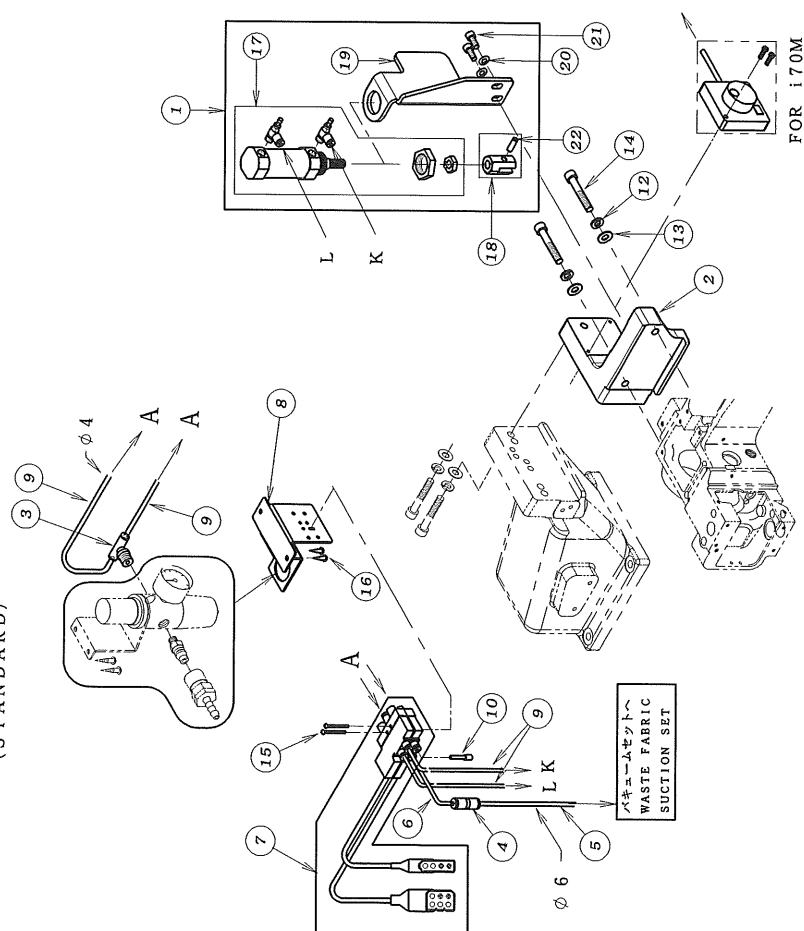
# 24. ダイレクトモーター専用部品 DIRECT MOTOR EXCLUSIVE PARTS

| REF. NO. | PART NO. | 品 名                           | DESCRIPTION                | Q'TY |
|----------|----------|-------------------------------|----------------------------|------|
| 24-01    | 00-6410  | 押え揚げシリンダー-ブレースセット             | AIR CYLINDER BRACKET ASS'Y | 1    |
| 24-02    | 27-635   | ブラケット                         | BRACKET                    | 1    |
| 24-03    | 05-215   | 両口チー-ズ' ユニオン                  | JOINT                      | 1    |
| 24-04    | 05-224   | 異径ストレート                       | JOINT                      | 1    |
| 24-05    | 05-486   | チューブ' $\phi 6 \times 1000$ mm | TUBE                       | 1    |
| 24-06    | 05-490   | チューブ' $\phi 4 \times 50$ mm   | TUBE                       | 1    |
| 24-07    | 05-643   | 電磁弁2連セット                      | SOLENOID VALVE ASS'Y       | 1    |
| 24-08    | 05-644   | 電磁弁ブラケット                      | BRACKET                    | 1    |
| 24-09    | 05-917   | チューブ' $\phi 4 \times 1500$ mm | TUBE                       | 4    |
| 24-10    | 06-597   | プラグ                           | PLUG                       | 1    |
| 24-11    | 50-6010  | ダイレクトモーター-セット                 | DIRECT MOTOR ASS'Y         | 1    |
| 24-12    | 75-225   | スプリング' ワッシャ                   | WASHER                     | 2    |
| 24-13    | 75-451   | ワッシャ                          | WASHER                     | 2    |
| 24-14    | 87-226   | 六角穴付きボルト                      | BOLT                       | 2    |
| 24-15    | 87-475   | フ' ラマイナ' 小ねじ                  | SCREW                      | 2    |
| 24-16    | 87-902   | 木ねじ                           | SCREW                      | 2    |
| 24-17    | 00-6082  | 押えフ' -ラー-揚げシリンダー-セット          | AIR CYLINDER ASS'Y         | 1    |
| 24-18    | 05-642   | 押え揚げレバ' -作動金具                 | CHIP                       | 1    |
| 24-19    | 05-641   | 押え揚げシリンダー' -ブ' ラケット           | BRACKET                    | 1    |
| 24-20    | 75-452   | ワッシャ                          | WASHER                     | 2    |
| 24-21    | 87-171   | 六角穴付きボルト                      | BOLT                       | 2    |
| 24-22    | 93-627   | スプリングピン                       | SPRING PIN                 | 1    |
| 24-23    | 59-047   | ダイレクトモーター-セット                 | DIRECT MOTOR ASS'Y         | 1    |



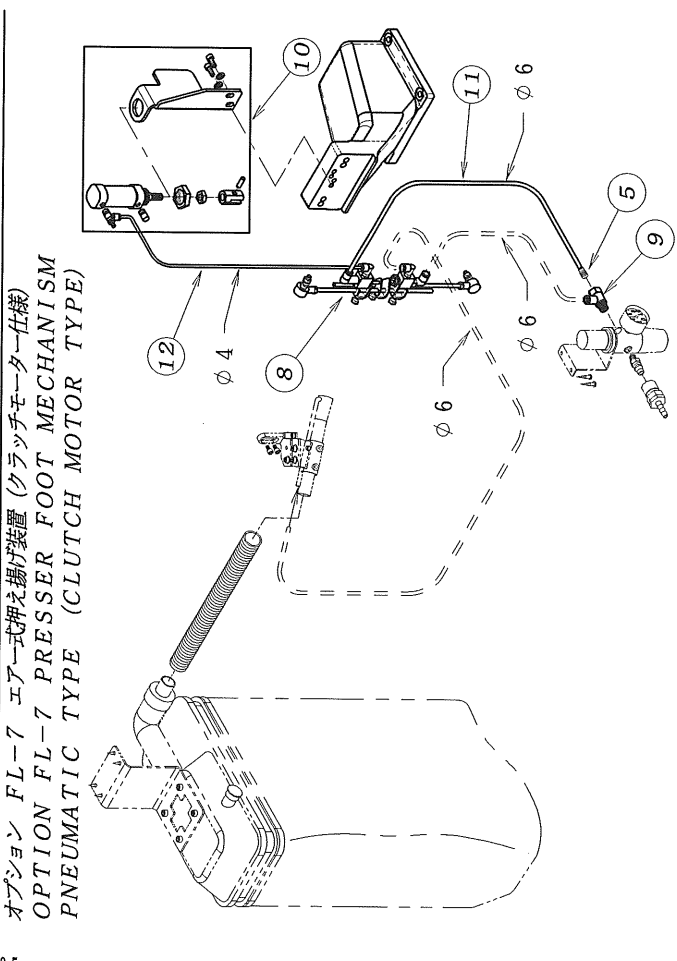
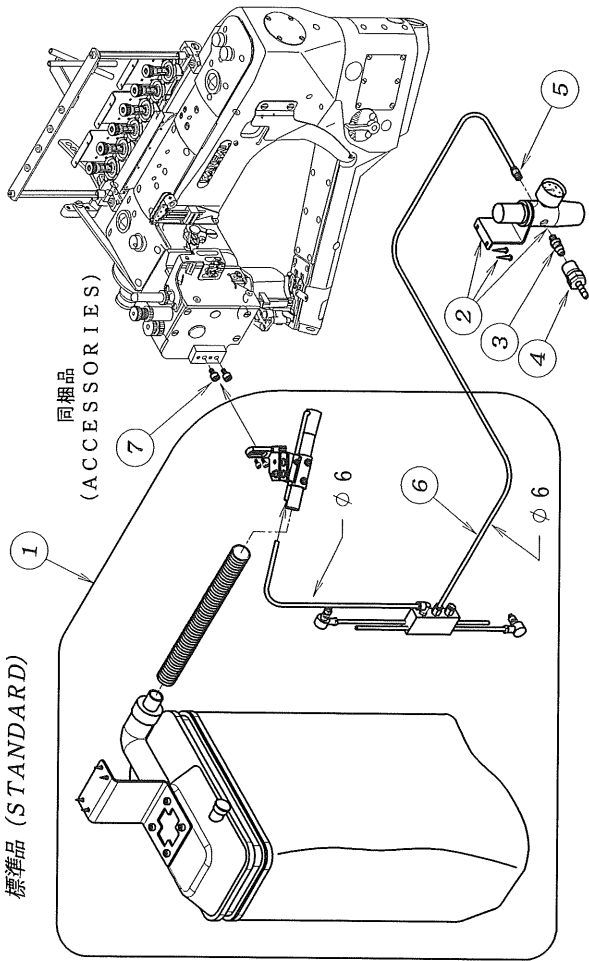
11 i 70M-4-FX-220  
(STANDARD)

23 GD50-4-NF-220



FOR i70M

25. 吸込み管セット WASTE FABRIC SUCTION MECHANISM  
標準品及びオプションFL-7 STANDARD AND OPTION FL-7



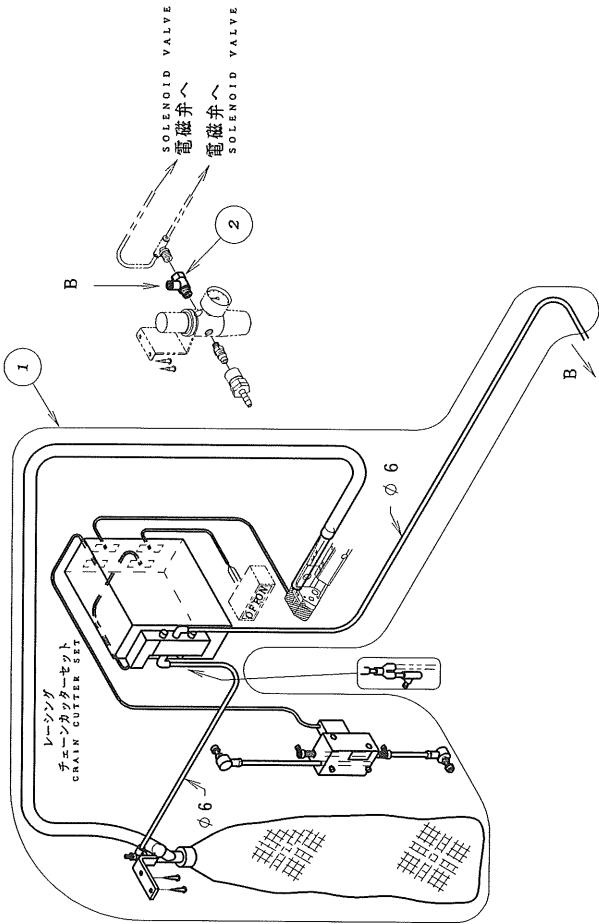
| REF.NO. | PART NO. | 品 名             | DESCRIPTION        | Q'TY |
|---------|----------|-----------------|--------------------|------|
| 25-01   | 100-6605 | バキュームセット        | VACUUM SET         | 1    |
| 25-02   | 105-212  | フィルタレギュレータ      | REGULATOR          | 1    |
| 25-03   | 106-516  | カプラメス           | CONNECTOR          | 1    |
| 25-04   | 106-517  | カプラホス           | CONNECTOR          | 1    |
| 25-05   | 105-218  | レギュレータ-用継手      | JOINT              | 1    |
| 25-06   | 105-486  | エアチューブφ6X1000mm | AIR TUBE φ6X1000mm | 1    |
| 25-07   | 187-024  | 六角穴付きボルト        | BOLT               | 2    |
| 25-08   | 100-8040 | 吸込み押え揚げ用バルブセット  | VALVE ASS'Y        | 1    |
| 25-09   | 105-214  | ユニバーサルメスエルボ     | JOINT              | 1    |
| 25-10   | 100-6420 | 押え揚げシリンダー-セット   | AIR CYLINDER ASS'Y | 1    |
| 25-11   | 105-486  | エアチューブφ6X1000mm | AIR TUBE φ6X1000mm | 1    |
| 25-12   | 105-979  | エアチューブφ4X700mm  | AIR TUBE φ4X700mm  | 1    |



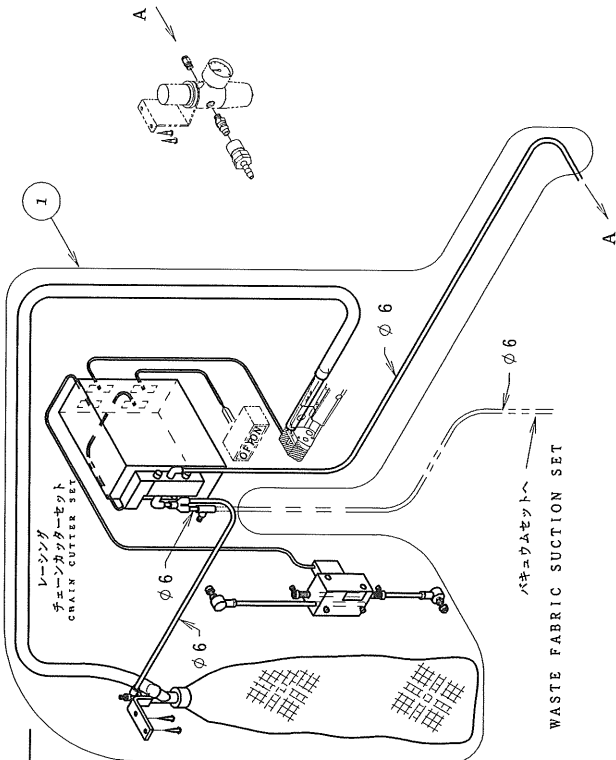
26. 電気式チェーンカッター

ELECTRIC CHAIN CUTTER CS-2

NFS-DD

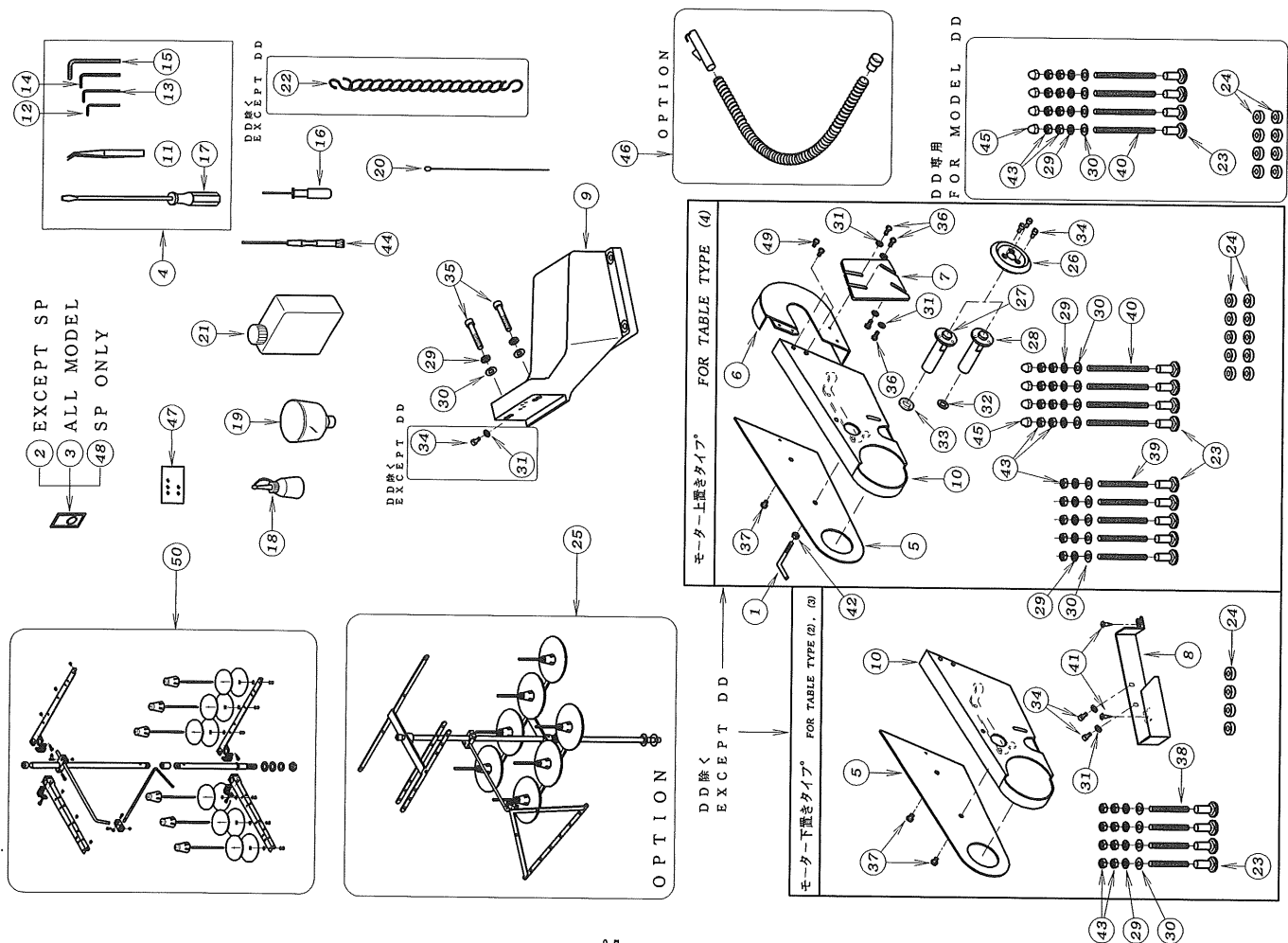


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| REF.NO. | PART NO. | 品名             | DESCRIPTION      | Q'TY |
|---------|----------|----------------|------------------|------|
| 26-01   | 00-6602  | 電動式チェーンカッターセット | CHAIN CUTTER SET | 1    |
| 26-02   | 05-214   | ユニバーサルメスエルボ    | JOINT            | 1    |

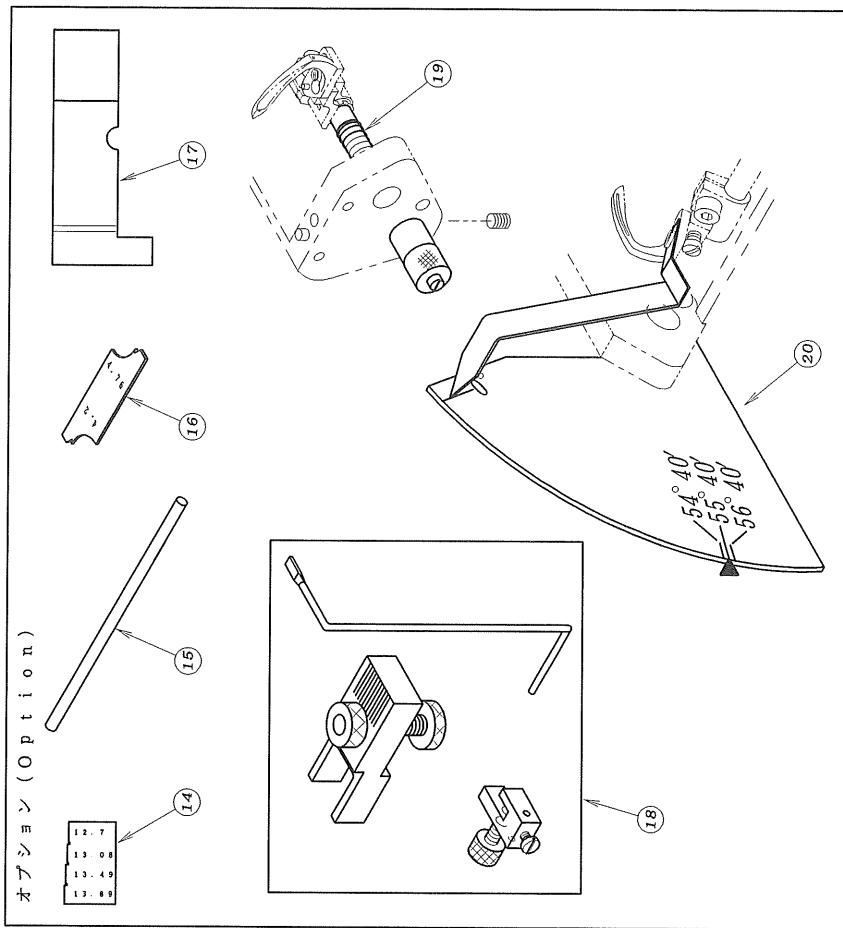
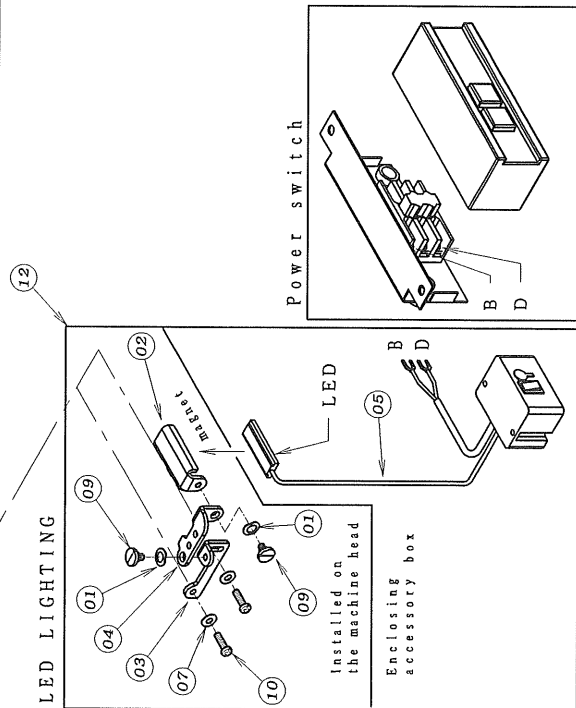
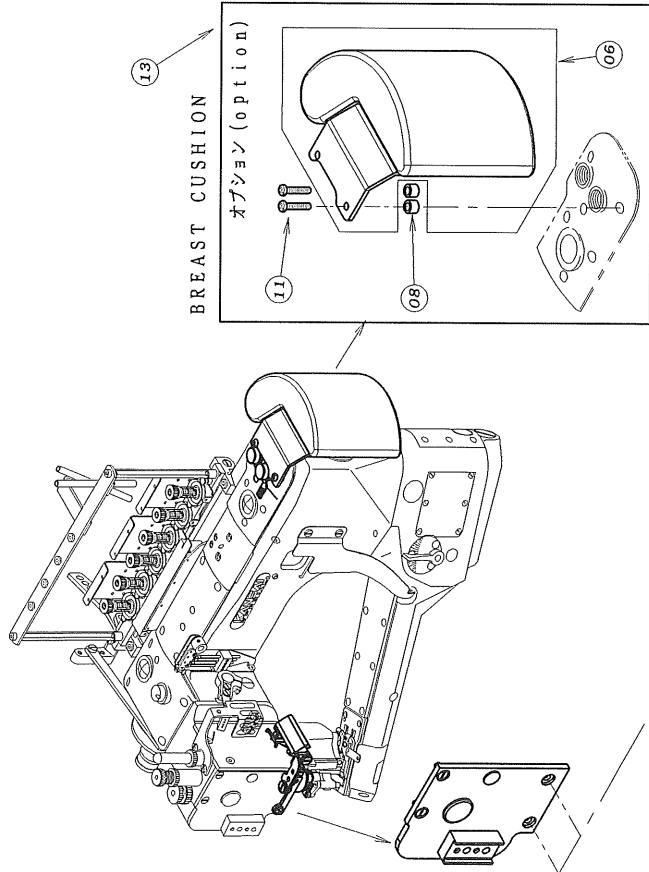
27. 糸立て及びアクセサリー関係 THREAD STAND AND ACCESSORIES



| REF. NO. | PART NO.   | 品名                 | DESCRIPTION           | QTY  |
|----------|------------|--------------------|-----------------------|------|
| 27-01    | 106-634    | 検出器用金具             | BAR                   | 1    |
| 27-02    | 113-6010-5 | 針 FLX118GCS #10    | NEEDLE                | 1    |
| 27-03    | 13-6020-6  | 針 FLG-8            | NEEDLE                | 1    |
| 27-04    | 20-0010    | 付属部品ケース            | ACCESSORIES           | 1    |
| 27-05    | 21-988     | ベルトカバー (B)         | BELT COVER (B)        | 1    |
| 27-06    | 21-989     | ベルトカバー (C)         | BELT COVER (C)        | 1    |
| 27-07    | 21-990     | ベルトカバー - 取付プレート    | PLATE                 | 1    |
| 27-08    | 21-991     | ベルト補助カバー           | COVER                 | 1    |
| 27-09    | 22-614     | マウントベース            | MOUNT BASE            | 1    |
| 27-10    | 27-623     | ベルトカバー (A)         | BELT COVER (A)        | 1    |
| 27-11    | 28-011     | ピンセット              | TWEZERS               | 1    |
| 27-12    | 28-311     | 六角レンチ 2mm          | ALLEN KEY 2mm         | 1    |
| 27-13    | 28-312     | 六角レンチ 2.5mm        | ALLEN KEY 2.5mm       | 1    |
| 27-14    | 28-313     | 六角レンチ 3mm          | ALLEN KEY 3mm         | 1    |
| 27-15    | 28-314     | 六角レンチ 5mm          | ALLEN KEY 5mm         | 1    |
| 27-16    | 28-317     | グリッパ付六角レンチ 1.5mm   | ALLEN KEY 1.5mm       | 1    |
| 27-17    | 28-452     | ドライバ (大)           | DRIVER (L)            | 1    |
| 27-18    | 28-614     | 油差し                | OILER                 | 1    |
| 27-19    | 28-615     | ジョウゴ               | OIL FUNNEL            | 1    |
| 27-20    | 28-616     | ガイドスレット            | GUIDE THREAD          | 1    |
| 27-21    | 28-617     | ミシン潤滑油             | OIL                   | 1    |
| 27-22    | 28-920     | チェーン               | CHAIN                 | 1    |
| 27-23    | 42-503     | 本体据付ナット            | NUT                   | 4~9  |
| 27-24    | 42-513     | 防振ゴム               | CUSHION RUBBER        | 4~10 |
| 27-25    | 42-707     | 7本糸立て              | THREAD STAND ASSEMBLY | 1    |
| 27-26    | 69-613     | ハンドホイール            | HAND WHEEL            | 1    |
| 27-27    | 69-614     | ハンドホイール取付台         | JOINT                 | 1    |
| 27-28    | 69-615     | ハンドホイール取付台         | JOINT                 | 1    |
| 27-29    | 75-225     | スプリングワッシャー         | SPRING WASHER         | 6~11 |
| 27-30    | 75-451     | ワッシャー              | WASHER                | 6~11 |
| 27-31    | 75-453     | ワッシャー              | WASHER                | 3~5  |
| 27-32    | 75-583     | ハネ座金               | SPRING WASHER         | 1    |
| 27-33    | 75-584     | ハネ座金               | SPRING WASHER         | 1    |
| 27-34    | 87-213     | 六角穴付きボルト           | BOLT                  | 1~4  |
| 27-35    | 87-226     | 六角穴付きボルト           | BOLT                  | 2    |
| 27-36    | 87-491     | ブラマイナベ小ねじ          | SCREW                 | 4    |
| 27-37    | 87-492     | ブラマイナベ小ねじ          | SCREW                 | 1~2  |
| 27-38    | 87-673     | 連結ボルト              | BOLT                  | 4    |
| 27-39    | 87-674     | 連結ボルト              | BOLT                  | 5    |
| 27-40    | 87-675     | 連結ボルト              | BOLT                  | 4    |
| 27-41    | 87-901     | 木ネジ                | SCREW                 | 2    |
| 27-42    | 88-166     | ナット                | NUT                   | 1    |
| 27-43    | 88-176     | ナット                | NUT                   | 8~13 |
| 27-44    | 28-318     | 精密ワイヤスレットライバ 2.5mm | SCREWDRIVER           | 1    |
| 27-45    | 88-183     | 袋ナット               | NUT                   | 4    |
| 27-46    | 00-6604    | スレットエキュームセット       | VACUUM SET (L)        | 1    |
| 27-47    | 85-603     | ネジ                 | SCREW                 | 5    |
| 27-48    | 13-6010-4  | 針 FLX118GCS #10.5  | NEEDLE                | 1    |
| 27-49    | 87-490     | ブラマイナベ小ねじ          | SCREW                 | 2    |
| 27-50    | 42-010     | 6本糸立て              | THREAD STAND ASSEMBLY | 1    |

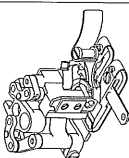
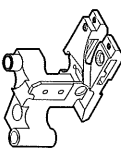
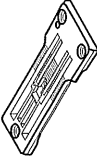
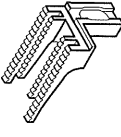
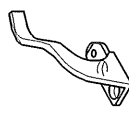
# 28. LED照明 ブレスクッション ゲージセット

## LED LIGHTING, BREAST CUSHION, GAUGE SET



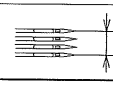
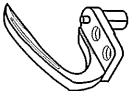
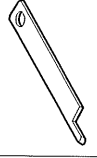
| REF.NO. | PART NO. | 品名             | DESCRIPTION                    | QTY |
|---------|----------|----------------|--------------------------------|-----|
| 28-01   | 102-119  | 液壓金            | WASHER                         | 4   |
| 28-02   | 27-385   | LED用ブラケット (A)  | BRACKET (A)                    | 2   |
| 28-03   | 27-386   | LED用ブラケット (B)  | BRACKET (B)                    | 2   |
| 28-04   | 27-387   | LED用ヒンジ        | HINGE                          | 2   |
| 28-05   | 27-389   | LEDライト         | LED LIGHT                      | 2   |
| 28-06   | 27-655   | クッション組         | CUSHION ASS'Y                  | 1   |
| 28-07   | 75-455   | ワッシャ           | WASHER                         | 4   |
| 28-08   | 75-625   | カラー            | COLLAR                         | 2   |
| 28-09   | 87-264   | ボネジ            | SCREW                          | 4   |
| 28-10   | 87-485   | ブライナベ小ねじ       | SCREW                          | 4   |
| 28-11   | 87-494   | フ・ラマイナベ小ねじ     | SCREW                          | 4   |
| 28-12   | 20-6155  | LED用ブラケットセット   | LED BRACKET SET                | 1   |
| 28-13   | 20-6160  | クッションセット       | CUSHION SET ASS'Y              | 1   |
| 28-14   | 16-6601  | 針高さゲージ         | GAUGE HEIGHT                   | 1   |
| 28-15   | 16-6612  | トルクバー          | TORGUE BAR                     | 1   |
| 28-16   | 16-6609  | ループ引きゲージ       | PULL-GAUGE                     | 1   |
| 28-17   | 16-6604  | ループ角度ゲージ       | LOOPER ANGLE GAUGE             | 1   |
| 28-18   | 16-6611  | タイミングゲージセット    | TIMING GAUGE SET               | 1   |
| 28-19   | 16-6603  | ループ前後量ゲージセット   | LOOPER FRONT-BACK STROKE GAUGE | 1   |
| 28-20   | 16-6605  | ループ左右運動量ゲージセット | LOOPER RIGHT-LEFT STROKE GAUGE | 1   |

29. ゲージ部品一覽表 (1) GAUGE PARTS TABLE (1)

| 部品<br>PARTS   | ゲージ<br>GAUGE<br>(mm) | 針 株<br>NEEDLE<br>HOLDER                                                             | 押えユニット<br>PRESSER FOOT<br>ASSEMBLY                                                  | 押 え<br>PRESSER FOOT                                                                 | 押えシューズ*<br>(左)<br>PRESSER FOOT<br>SHOE (LEFT)                                       | 押えシューズ*<br>(右)<br>PRESSER FOOT<br>SHOE (RIGHT)                                     | 針 板<br>NEEDLE<br>PLATE                                                            | 針板爪<br>NEEDLE<br>PLATE<br>TONGUE                                                  | 主送歯<br>MAIN<br>FEED DOG                                                           | 差動送歯<br>DIFFERENTIAL<br>FEED DOG                                                  | 針 受<br>NEEDLE<br>GUARD                                                            | 補助ルーパ°<br>NEEDLE<br>GUIDE                                                         |
|---------------|----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| モデル<br>MODEL  |                      |  |  |  |  |  |  |  |  |  |  |  |
|               |                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| NFS6604CFS    | 5.2                  | 12-6210-1                                                                           | 17-6210-1                                                                           | 17-6210-A                                                                           | 26-653                                                                              | 26-652                                                                             | 14-621                                                                            | 14-601<br>*14-604                                                                 | 15-621                                                                            |                                                                                   |                                                                                   |                                                                                   |
|               | 6                    | 12-6220-1                                                                           | 17-6220-1                                                                           | 17-6220-A                                                                           |                                                                                     |                                                                                    | 14-622                                                                            | 14-602<br>*14-605                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| NFS6604CFL    | 5.2                  | 12-6210-1                                                                           | 17-6130-1                                                                           | 17-6130-A                                                                           | 26-663                                                                              | 26-662                                                                             | 14-621                                                                            | 14-601<br>*14-604                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|               | 6                    | 12-6220-1                                                                           | 17-6140-1                                                                           | 17-6140-A                                                                           |                                                                                     |                                                                                    | 14-622                                                                            | 14-602<br>*14-605                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| NFS6604CFM    | 5.2                  | 12-6210-1                                                                           | 17-6230-1                                                                           | 17-6230-A                                                                           | 26-641                                                                              | 26-640                                                                             | 14-623                                                                            | 14-601<br>*14-604                                                                 | 15-622                                                                            | 15-623                                                                            | 18-621                                                                            | 19-620                                                                            |
|               | 6                    | 12-6220-1                                                                           | 17-6240-1                                                                           | 17-6240-A                                                                           | (26-657)                                                                            | (26-656)                                                                           | 14-624                                                                            | 14-602<br>*14-605                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| NFS6604CFMH   | 5.2                  | 12-6210-1                                                                           | 17-6190-1                                                                           | 17-6190-A                                                                           | 26-644                                                                              | 26-643                                                                             | 14-623                                                                            | 14-601<br>*14-604                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|               | 6                    | 12-6220-1                                                                           | 17-6200-1                                                                           | 17-6200-A                                                                           | (26-657)                                                                            | (26-656)                                                                           | 14-624                                                                            | 14-602<br>*14-605                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| NFS6604CFMH-B | 5.2                  | 12-6210-1                                                                           | 17-6120-1                                                                           | 17-6120-A                                                                           | 26-661                                                                              | 26-660                                                                             | 14-623                                                                            | 14-601                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|               | 6                    | 12-6220-1                                                                           | 17-6110-1                                                                           | 17-6110-A                                                                           |                                                                                     |                                                                                    | 14-624                                                                            | 14-602                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |

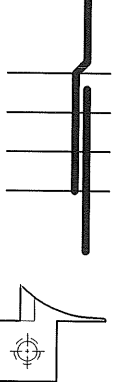
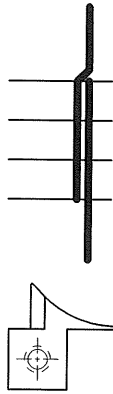
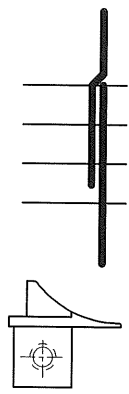
( ) は同梱品 \* 印はウーリー用  
( ) FOR ACCESSORIES \* FOR WOOLLY

# 30. ゲージ部品一覧表 (2) GAUGE PARTS TABLE (2)

| 部品<br>PARTS   | ゲージ<br>GAUGE<br>(mm)                                                                | ルーパー<br>LOOPER                                                                      | 上飾りルーパ－<br>SPREADER                                                                 | キャリア<br>CARRIER                                                                     | 上メス<br>UPPER KNIFE                                                                  | 下メス<br>LOWER KNIFE                                                                 | 下メス抱き<br>LOWER KNIFE<br>CLAMP                                                     | 布ガイド<br>CLOTH GUIDE                                                               | 布ガイド<br>LAP FORMER                                                                |
|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| モデル<br>MODEL  |  |  |  |  |  |  |  |  |  |
|               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                    |                                                                                   |                                                                                   |                                                                                   |
| NFS6604GFS    | 5.2<br>6                                                                            | 19-619                                                                              | 19-617                                                                              | 04-609<br>04-613                                                                    | 07-626                                                                              | 07-621                                                                             | 07-635                                                                            |                                                                                   |                                                                                   |
| NFS6604GFSL   | 5.2<br>6                                                                            | 19-619                                                                              |                                                                                     |                                                                                     | 07-626                                                                              | 07-621                                                                             | 07-635                                                                            |                                                                                   |                                                                                   |
| NFS6604GFLM   | 5.2<br>6                                                                            | 19-619                                                                              | 19-617                                                                              | 04-609<br>04-613                                                                    | 07-626                                                                              | 07-621                                                                             | 07-633                                                                            | 26-658<br>(26-637)<br>*26-642                                                     | 26-650<br>(26-637)<br>*26-670                                                     |
| NFS6604CFMH   | 5.2<br>6                                                                            | 19-619                                                                              | 19-617                                                                              | 04-609<br>04-613                                                                    | 07-631                                                                              | 07-634                                                                             | 07-633                                                                            | 26-645<br>(26-637)<br>*26-658                                                     | 26-651<br>(26-637)<br>*26-670                                                     |
| NFS6604CFMH-B | 5.2<br>6                                                                            | 19-619                                                                              | 19-617                                                                              | 04-609<br>04-613                                                                    | 07-631                                                                              | 07-634                                                                             | 07-633                                                                            |                                                                                   | 26-659                                                                            |

◆ 布ガイドの種類による仕上りの目安。

◆ The cloth guide can be used as a target to adjust the width of laps.

|                                                                                       |                                                                                       |                                                                                      |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |  |
| 26-642                                                                                | 26-658                                                                                | 26-645                                                                               |

( ) は同梱品

( ) FOR ACCESSORIES

\* 印はオプション

\* OPTION PART

## INDEX 1

[illegible]



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# ***NFS** Series Instruction Manual*

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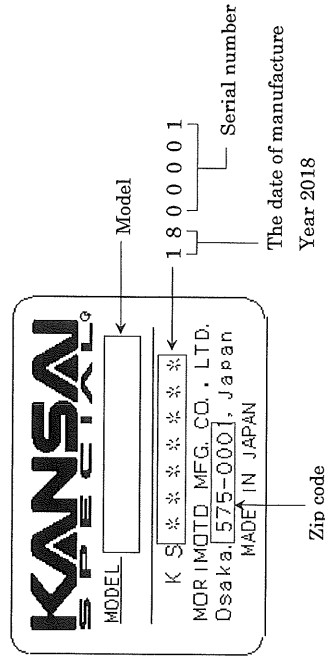


## INTRODUCTION

Thank you for your purchasing Kansai Special's NFS604GF Series.  
Please 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, please make sure the pulley cover, safety cover, etc. are secured.
3. Before adjusting, cleaning, threading the machine or replacing the needle, please 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 performing preventive maintenance.
6. The contents described in this instruction manual are subject to change without notice.

### Indication of serial number



**NFSseries**

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**NFSseries**

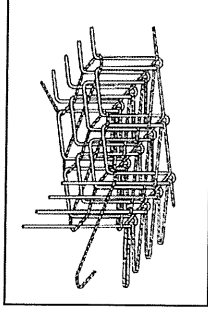
## [1] SPECIFICATION

### 1-1 Description

High speed feed-off-the-arm with 4-needles flat seamer

### 1-2 Stitch type

ISO standard 607



## [2] NEEDLES & THREADING MECHANISM

### 2-1 Needles

- Needles...FL×118GCS (Organ)
- Retainer...FLG-8 (Organ)

Please select the proper needle size according to fabric thickness and material.

< Needles and needle size >

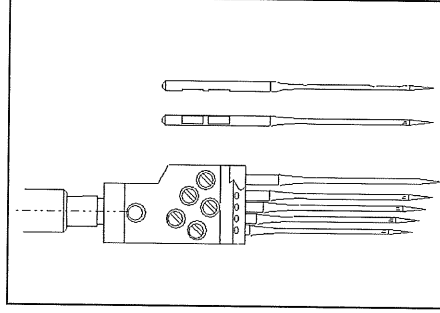
|         | # 8  | # 9  | # 10 | # 11 | # 12 | # 14 |
|---------|------|------|------|------|------|------|
| Japan   | Nm60 | Nm65 | Nm70 | Nm75 | Nm80 | Nm90 |
| Germany |      |      |      |      |      |      |

### 2-2 Replacing the needles

When replace the needle, the groove on needle shank is turned to front then put it into needle bar head interior. (See the illustration)

< Note >

When 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.



### 2-3 Threading

Please refer the illustration as below.

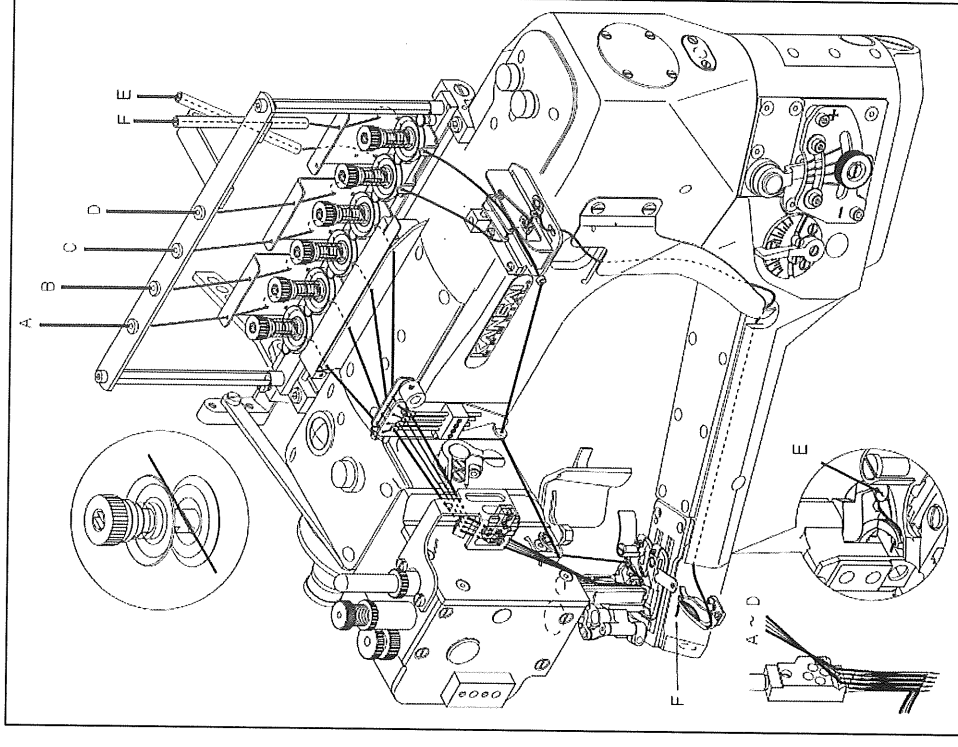
< Note >

Threading must be properly way for a void machine broken.

A, B, C, D .. Needle threads

E ..... Top cover thread

F ..... Looper thread

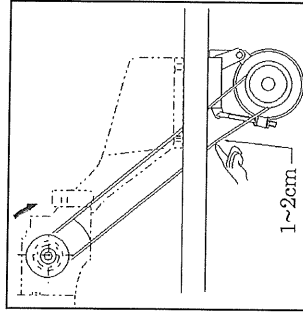


### [3] MACHINE SPEED

**3-1 Machine speed & running hand-wheel direction**  
This machine's operation speed is 3500~3800spm.

< Note >

*For running new machine, first 200hours (1 month)  
must run 3500spm for long durability in the future.  
For direction of hand-wheel is clockwise.*



#### 3-2 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 in the table below.) Position the motor by pressing the finger onto the mid-point of the belt so that 1~2cm deflection can be achieved (see the illustration).

| Motor pulley outer diameter | Machine speed |         |
|-----------------------------|---------------|---------|
|                             | 50Hz          | 60Hz    |
| 75 mm                       |               | 3500SPM |
| 85 mm                       |               | 4000SPM |
| 90 mm                       | 3500SPM       |         |
| 95 mm                       |               |         |
| 100 mm                      | 4000SPM       |         |

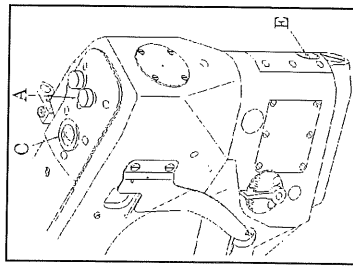
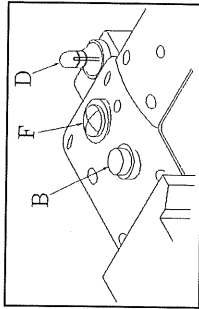
### [4] LUBRICATION & OIL

#### 4-1 Oil

Use Kansai Special's genuine oil. (Part No. 28-617)

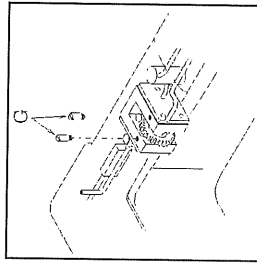
#### 4-2 How to fill oil

Remove screw A and B from the oil hole.  
Fill the machine with oil until the oil level reaches the top line on oil gauge E and D. Maintain the oil level between the lines of the gauges. After filling the machine with oil, run the machine to check the oil is splashing to oil flow sight window C and F.



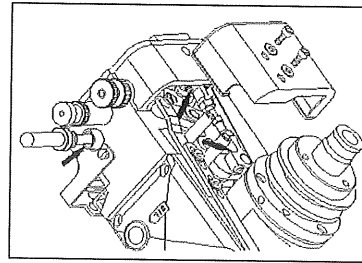
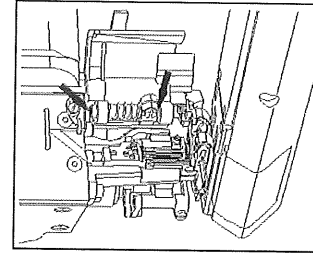
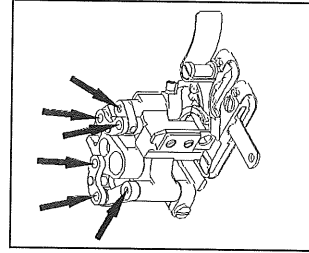
#### 4-3 Check oil

When starting a new machine after filling the reservoirs, or when beginning to operate a machine that has been idle for some time, it may be necessary to prime the pump. To do this, remove the two plug screw G. Apply oil from an oil can to these holes and operate machine until bubbling can be observed at the windows.



#### 4-4 Lubrication

Put a small amount of oil onto the positions shown in the illustration.

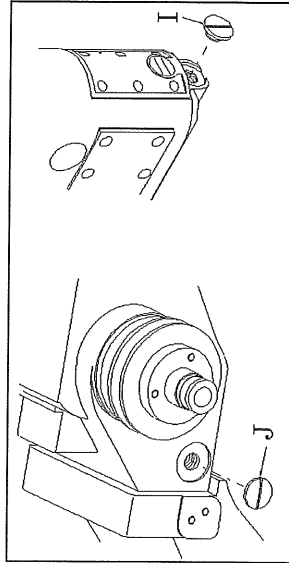


#### 4-5 Changing oil

To extend machine life, replace the entire oil after the first 200 hours of operation. Thereafter replace the oil every 6 months. To drain the oil, remove screw I and J.

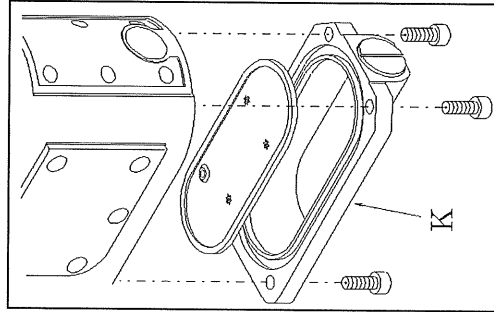
< Note >

Contaminated oil may shorten machine life. Replace the oil as early as possible.



#### 4-6 Cleaning the filter

Before replacing the oil, remove reservoir K and clean the cylinder, inside of the reservoir and filter element.

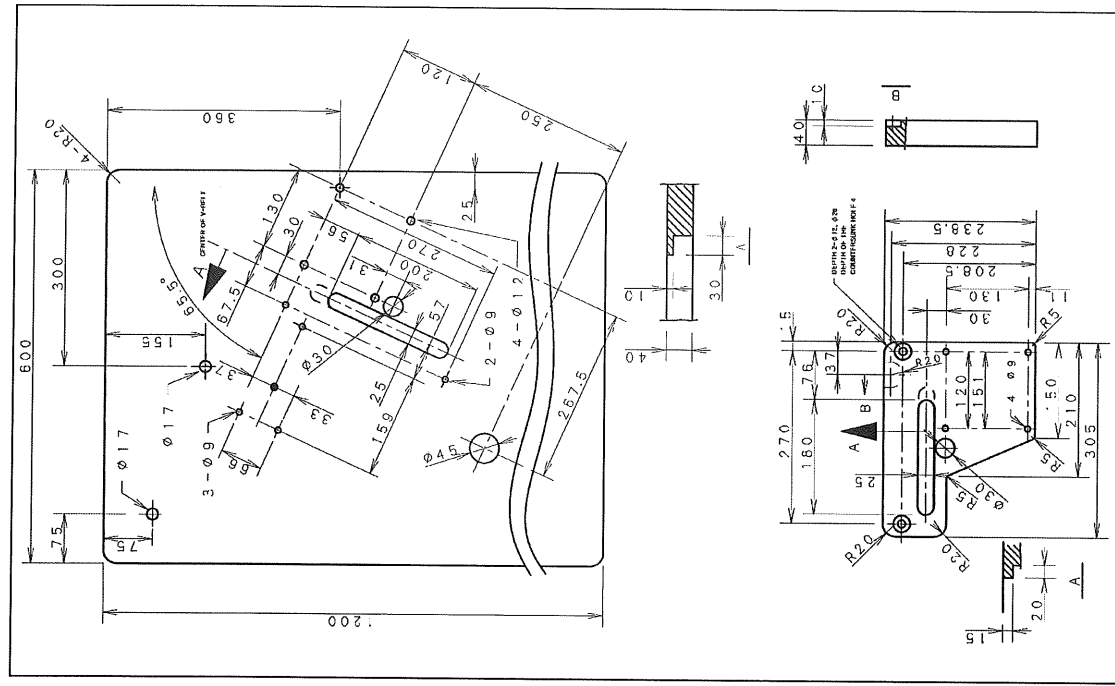


#### [5] SEWING MACHINE INSTALLATION

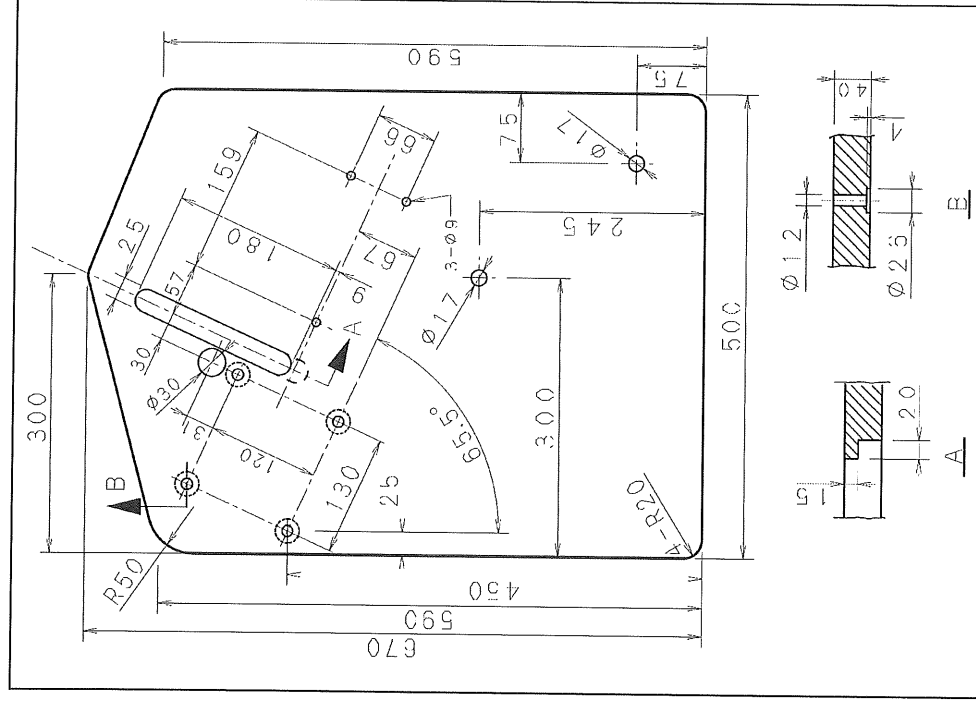
##### 5-1 Process of machine table

See Parts reference 25~30page.

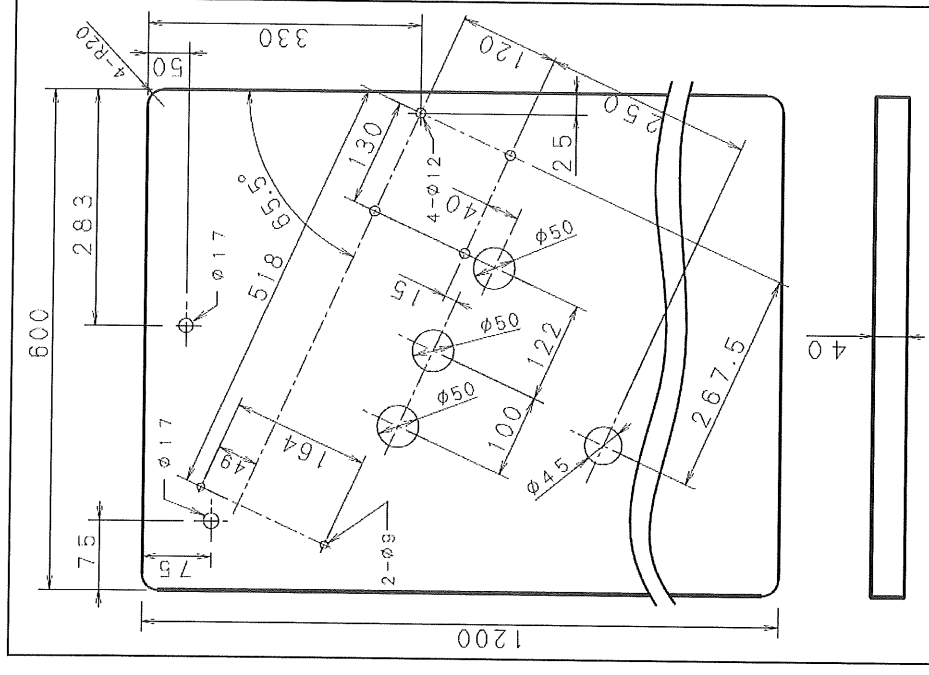
■ Type A (clutch motor)

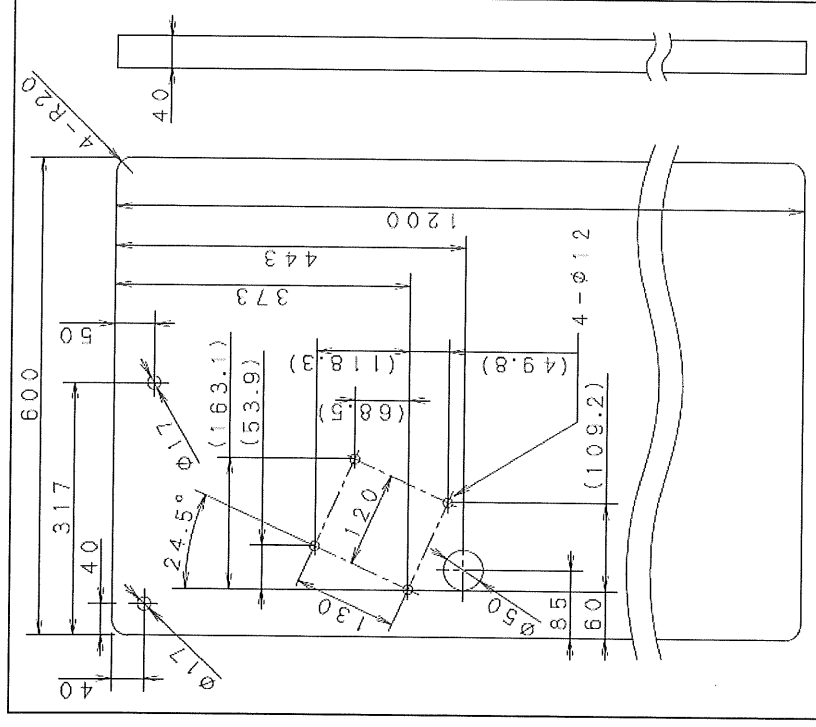
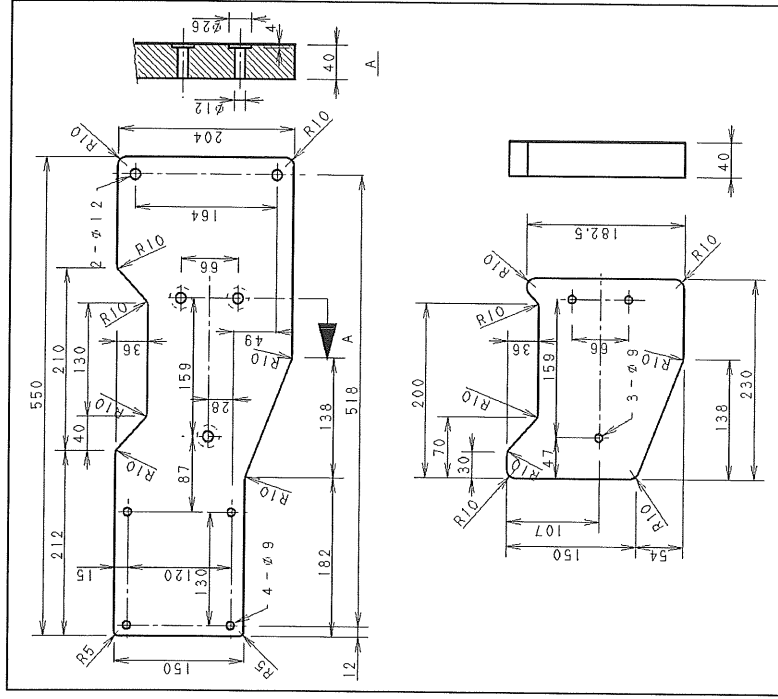


■ Type B (clutch motor)

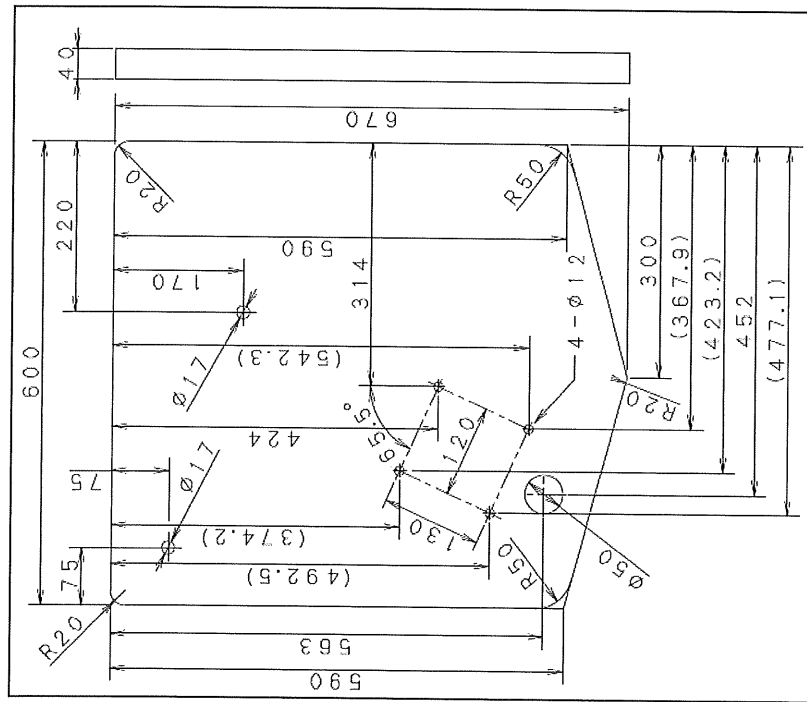


■ Type C (servo motor)



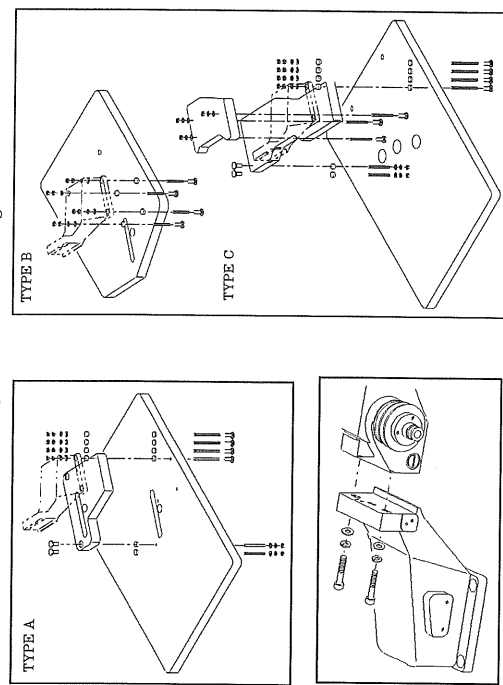


■ For DD-Motor (Pedestal type)



## 5-2 Installing the machine and mount base

■ Install the mount base correctly by referring to the illustration right.

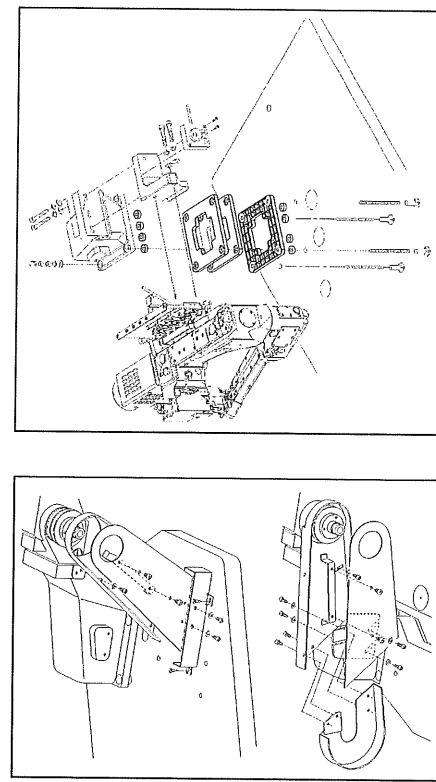


### 5-3 Installing the machine with DD-motor

■ Install the machine correctly by referring to the illustration right.

### 5-4 Installing the Pulley (hand-wheel) cover

■ Install the pulley (hand-wheel) cover correctly by referring to the illustration left.



## [6] TIMING OF THE LOOPERS & NEEDLES

### 6-1 Installing the needle clamp

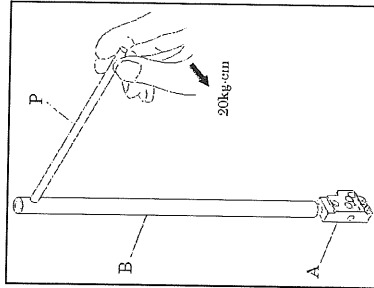
Needle-clamp "A" put in to needle-bar "B".  
(Less than 20kg-cm torque to be tighten)

< Note >

Do not more than 20kg-cm torque to tight in case of expand outside diameter of bottom part that disable the needle bar.

※Supplementation: If it uses another part "torque bar P 16-6612 (optional)", it is suitable to tight.

Installation: The torque bar P put in to top of needle bar hole and tight until torque bar beginning to bend.

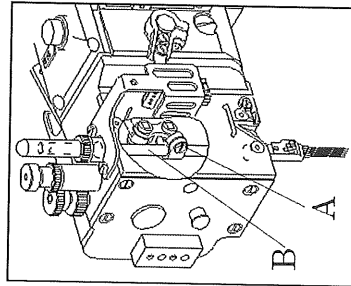


### 6-2 Adjusting needle bar height

When needles are at highest position, from needle point (4th from left) to surface of needle plate distance size (H), please adjust it as table showed.

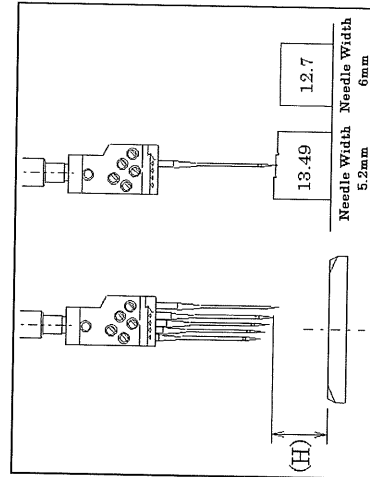
| Gauge size | Needle height |
|------------|---------------|
| 5.2mm      | 13.49mm       |
| 6.0mm      | 12.7mm        |

For adjusting the needle bar, loose screw A and needle bar B can be adjustable by moving up & down.  
Before the adjustment, please check needle drop position should be parallel against needle plate.



※Refer to illustration. (optional height gauge 16-6601)

It is easy to adjust by using these.



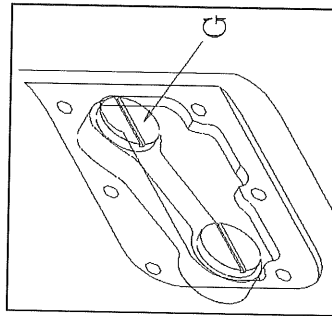
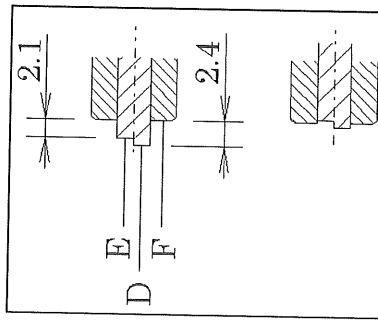
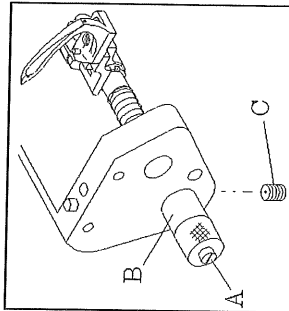
### 6-3 Adjusting looper back & forth stroke

Adjust looper stroke 2.1mm~2.4mm.

※Optional to using special gauge (16-6603), easy to adjust it.  
If you do not have special gauge, use micrometer or use depth micrometer-scale.

#### ■How to adjust

1. Set looper axis to the end.
2. Insert special gauge into cylinder-bed top hole (see illustration), then plunger A fully extended by axis (bearing) B push to front and tighten with screw C.
3. Set the looper axis foremost position with turning the hand-wheel clockwise.
4. For checking the back & forth stroke by plunger point.  
D and F surface point suited, as 2.4mm.  
E and F surface point suited, as 2.1mm.  
F surface is between D and E surface, then confirmed.
5. For adjustment, take off the cylinder-cover then loose the screw G.  
Put up the G decreases the back & forth stroke.  
Put down the G increase the back & forth stroke.



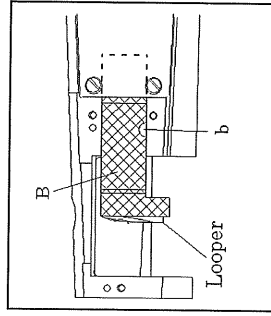
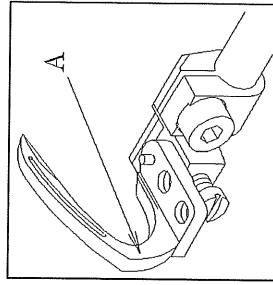


#### 6-4 Degree of installing the looper

As for looper angle, looper's A surface is right-angled face to the looper axis.

※(Optional) It is easy to adjust by using the looper angle gauge B (16-6604)

As for using it, as shown in figure: Gauge B put in the entering ditch of cylinder feed rocker, put driver in tapered tool the ditch of screw b at same time apply it to looper. If looper parallel to edge of gauge without gap, get collect angle.



#### 6-5 Adjustment of looper right & left amount of stroke

To be suitable looper right & left amount of stroke is looper axis in 54° 40' ~ 56° 40'.

※For adjustment, use the (optional) looper right & left gauge set (16-6605) part as shown in figure.

1. The dial plate A put into the hole of cylinder bed edge of point then tighten with screw B as temporary.
2. To use the spare looper's screw C, install the pointer D as shown figure. Put pointer D's edge of point as possible as close to dial plate A.
3. When the looper reach to extreme of right position by turning the hand-wheel, dial plate A's 0° position match to the pointer D's edge point then tighten by screw B.
4. When the looper reach to extreme of left position by turning the hand-wheel, it is right position if pointer points 54° 40'~56° 40' on dial plate. If it doesn't point between these degrees, go to next following instruction.
5. Both cover of top arm and end arm should be take off, then loose the nut E and adjust by screw F (turning the screw left & right).  
Screw F turn to right, stroke will decrease.  
Screw F turn to left, stroke will increase.  
Please go back to begin with 6-5 1. after tighten the nut E.

< Note >  
After this adjustment, it is important to check the needle and looper timing (6-6).

#### 6-6 Needles & loopers timing (relationship)

When needle bar position is extremely bottom point, looper has already begun towards to needle, however, in this position, needle bar & looper does not synchronized.

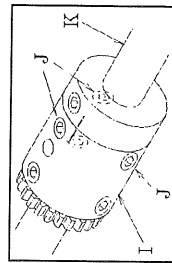
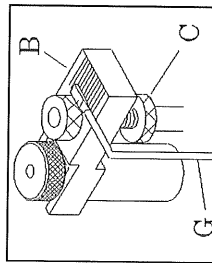
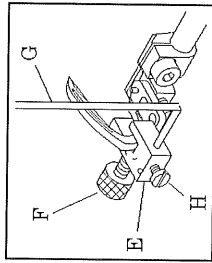
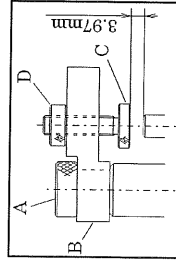
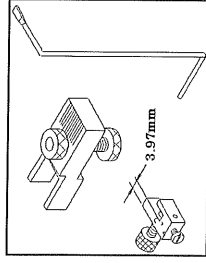
When needle bar rose at 3.97mm point from bottom position, at this point needle bar & looper are synchronized.

※For exactly check the timing, by using the gauge set (16-6611) which is an option.

#### ■ Timing gauge and adjustment procedure

1. Needle bar set to extreme bottom position
2. Loosening adjustment screw A, then timing-block B insert. As shown on figure screw C comes to right top of needle bar by block B tighten with screw A.
3. As shown in figure, turning screw C to make space 3.97mm between needle bar top point by tighten with nut D. Used thickness looper-cramp E's arm position (Long).
4. By turning hand-wheel slowly to right, needle bar top apply to screw C.
5. Tighten looper-cramp E by looper screw F, gauge lot G install to looper-cramp by screw H then gauge-lot point fixed close to center of timing-block B dial scale.
6. By turning hand-wheel slowly to left, needle bar top apply to screw C, look at gauge G point indicated on dial. If gauge point indicated on dial which same as procedure 5, then it is correct. If it isn't synchronized, go to next following procedure. 7.
7. Taking off the crank-room, cover and packing then loosening joint-color screw (3 places).  
Turning hand-wheel to the right, needle bar top apply to screw C, if gauge-lot top point comes near to the right at clockwise, looper timing is early and reverse (to the left) main shaft against to crank-shaft.  
If the situation opposite (Looper timing is slow as gauge-lot near to the left, please do as opposite, main-shaft turned to right.)

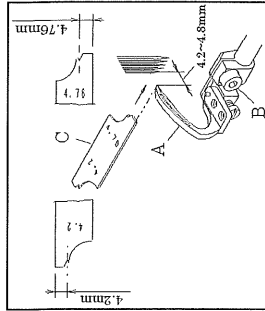
< Note >  
For adjusting Joint-color I, repeating procedure 5. , 6. However one of screw J tightens as temporary convenience. After finishing adjustment, tight all 3 screw J then re-check the timing following by 1-6 procedure.



## 6-7 Loper setting distance (amount of pull stroke)

When the looper A is at the extreme left point, from left center of needle to the looper point distance should be 4.2mm~4.8mm as standard.

For adjustment, loosening screw B.

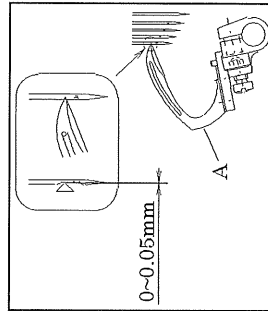
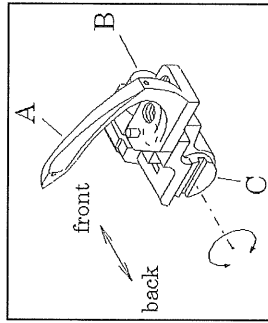


※It is easy to check the distance by using looper pull-gauge (another sale) C (16-6609).

## 6-8 Adjusting looper back & forth position

When the looper A move from extreme left point to the right, the looper A should pass behind the needle, but when looper A point reach to center of left needle(among of needles), looper A and left needle should have distance 0mm~0.05mm without touched.

For adjustment, loosening screw B, then turning screw C to move looper holder back & forth. After adjustment, check the amount of looper front-to-back stroke then tight the screw B.



## [7] ADJUSTING THE NEEDLE GUARD

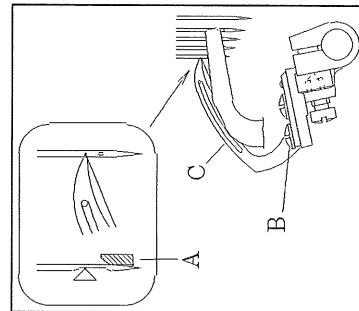
### 7-1 Auxiliary looper adjustment

When the looper C point reach to center of left needle, to effecting auxiliary looper A to adjust between needle and looper's gap at 0mm.

For adjustment, loosening screw B.

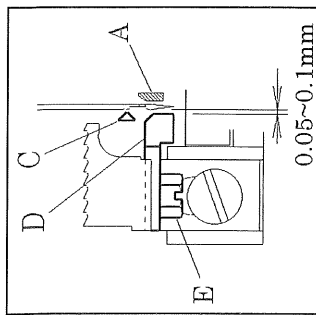
< Note >

Turning hand-wheel to the clockwise, when looper C travel from left to right, check the needle does not swing to right due to looper C point touch the back of needles. (Looper C should not be pushing the needle)



## 7-2 Adjusting needle guard

When needle guard D extremely approach to left needle, as loosening screw E to adjust the between left needle and needle guard set the gap at 0.05mm~0.1mm.

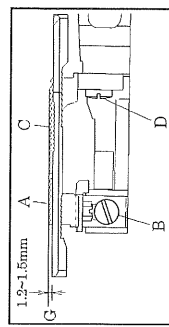


## [8] ADJUSTMENT OF FEED DOG

### 8-1 Adjusting feed dog height

When feed dog extremely raise to top, line G set to 1.2mm~1.5mm as shown figure, from main feed dog A and differential feed C's point connect to line G.

For adjustment, loosening screw B and D then move feed dog A and C.



### 8-2 Adjusting differential feed ratio

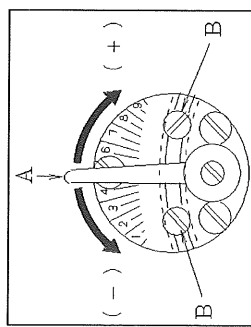
To adjusting differential feed, move lever left-to-right. When lever is between dial "4" and "5", differential feed comparison ratio is 1:1, differential is ineffective.

■ Normal differential feed (for gathering effect)

When lever A move to (+) direction, it is positive differential effect. The maximum ratio 1:1.5 is when lever A at dial "9".

■ Reverse differential feed (for stretching effect)

When lever A move to (-) direction, it is negative differential effect. The maximum ratio 1:0.7 is when lever A at dial "1".



< Note >

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

Screw B is for regulate the differential feed ratio or fixed level to be used.

### 8-3 Adjusting the stitch length

It can be adjustable stitch length 1.6mm~2.5mm by steplessly

#### ■ To change the stitching length

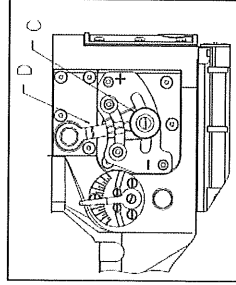
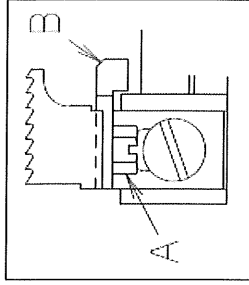
1. Loosen nut C to adjust stitch length.  
Move the lever D to the right then length increase.  
Move the lever D to the left then length decrease.
2. When stitch length has decided, tighten nut D securely.
3. Check the needle guard position. If necessary adjusting needle guard B, loosen screw A, move the needle guard B to correct position. (Refer to "7-2" adjusting needle guard).

※As shown on figure (sheet): the number of stitches per inch(25.4mm).

| Stitch length<br>(mm) | Number of<br>stitches per inch |
|-----------------------|--------------------------------|
| 2.5                   | 10                             |
| 2.3                   | 11                             |
| 2.1                   | 12                             |
| 1.9                   | 13                             |
| 1.8                   | 14                             |
| 1.7                   | 15                             |
| 1.6                   | 16                             |

< Note >

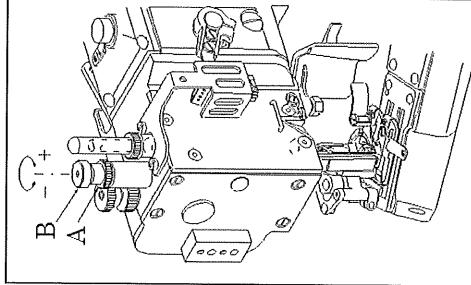
To adjust the stitch length, check to make sure the feed dogs do not touch the needle plate.



### [9] ADJUSTING THE PRESSER FOOT

#### 9-1 Adjusting presser foot

The presser foot pressure can obtain as feed works accurately and it uses as much as possible within the steady stitch length by light pressure.  
Loosen nut A, turning screw B to the right, pressure will increase and turning to the left, pressure will decrease.

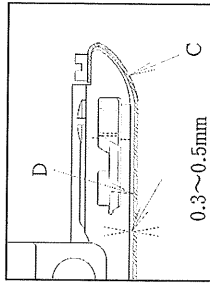
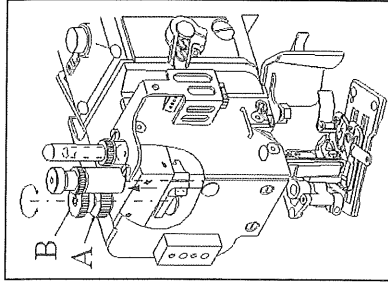


### 9-2 Adjusting presser foot up & down position

To presser foot float a little, it will have several effect as below.

- Prevention of stitch blocking
- Prevention of feeding scratches
- Improvement of presser shoes endurance
- Decrease the vibration and noise
- Possible to micro-adjustment for piled up fabric

1. Set needle to extreme bottom position.
2. Loosen nut A and screw B turn to left then put up the presser foot.
3. Adjust presser shoes and presser bottom face gap at 0.3mm~0.5mm.
4. Tighten the nut A.

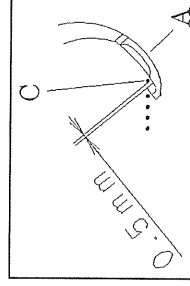
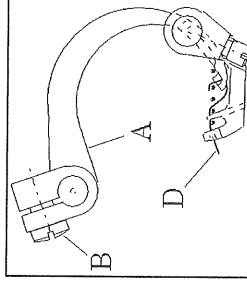


### [10] ADJUSTING SPREADER (HOOK) & CARRIER

#### 10-1 Adjusting spreader (hook)

Please set the hook A to extreme right position.  
Loosen screw B to adjust hook A & retainer needle gap at 0.5mm (standard position).

When stitching adjustment, hook toward to left, check the decoration thread D into under the hook.  
If it can not into under the hook, then loosen the screw B and adjust hook to left.

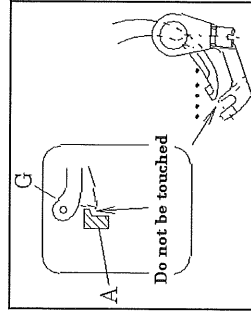
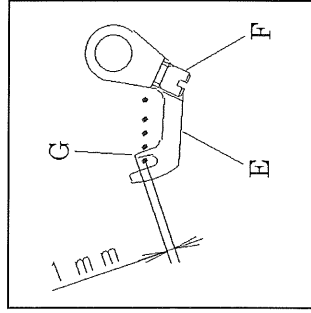


## 10-2 Adjusting the carrier

When carrier E approaches to first needle, loosen screw F to adjust that set the distance at 1mm from carrier point G to center of first needle.

As adjusting stitch, when carrier extremely approaches to first needle, check the decoration thread through behind the 1st and 2nd needles. If it can not through behind the needle, carrier E push little bit to the rear direction. (Carrier E and first needle should not be touched)

If decorated thread get through behind the 3rd needle, put back carrier E to front.



< Note >  
When hook A and carrier E extremely approached, do not be touched.

## 【11】 ADJUSTING THE STITCH FORMATION

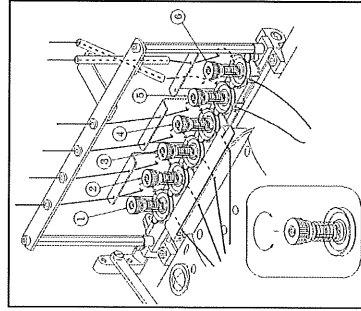
### 11-1 Adjusting thread tension

Thread tension change according to fabric material, kind of thread, stitch thickness, stitching length, and condition of usage.

Please adjust the thread tension nut ① ~ ⑥ condition of usage.

- ①~④ Needle thread  
(①Right needle, ④Left needle)
- ⑤ Decoration thread
- ⑥ Looper thread

■ To turning the tension clockwise, thread is tighten.  
■ To turning the tension reverse-clockwise, thread is loosen.



### 11-2 Adjusting needle tension

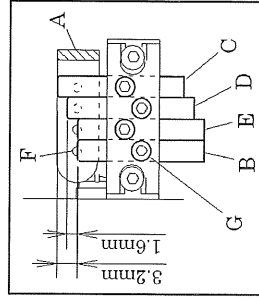
■ Adjustment of upper thread guard  
There are 4 upper thread guards per 4 needles thread; each needle thread can be adjustable.

1. Set needle bar arm thread road A extremely bottom position.
2. Needle bar arm thread road at the center of eyelets F, set the upper thread-guard B upper point.
3. Upper-thread-guard C raise 3.2mm against the B.
4. Upper-thread-guard D raise 1.6mm against the B.
5. Upper-thread-guard E same height as B or raise 0.8mm.
6. Above all adjustment loosen screw G and after finished adjustment tighten the screw again.

< Note >  
Each upper-thread-guard top should be horizontal.

Above size is standard position. please adjust appropriately as move upper-thread-guard up & down to become needle thread loop size according to actual stitching.

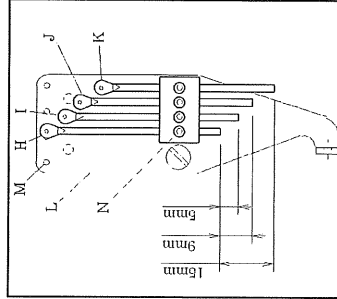
- To move the upper-thread-guard to up, needle thread loop become bigger.
- To move the upper-thread-guard to down, needle thread loop become smaller.



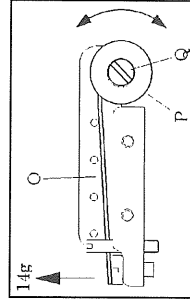
- Adjusting the needle-thread-road (As shown figure)
1. Needle-thread-road H's height match to eyelet M.
  2. Needle-thread-road I is lower than H for 5mm.
  3. Needle-thread-road J is lower than H for 9mm.
  4. Needle-thread-road K is lower than H for 15mm.

Needle thread's thread tension adjust by loosen each screw N.

- To move needle thread-road to upward, needle thread is loosen.
- To move needle thread-road to downward, needle thread is tighten.



■ Adjusting needle thread road spring  
When you remove the fabric from the presser while sewing it, turn the hand-wheel to reverse clockwise. At this time, need thread road spring O should act as not to make the loop forward of the needle. Needle thread road spring O's pressure is 14g as standard. For adjusting it, loosen screw Q and turn the spring holder P.



### 11-3 Adjusting looper-thread tension

The right illustration is looper-thread take-up cam as seen from the front.

- Lower-thread-control thread guide positioning  
Lower-thread-control thread guide A's right edge match to lower-thread-control plate B's right edge to install.

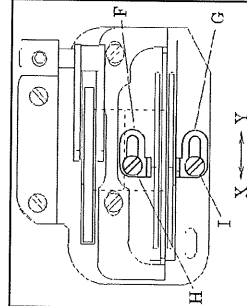
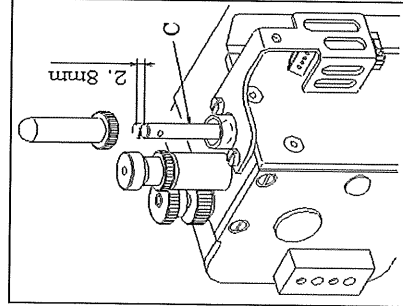
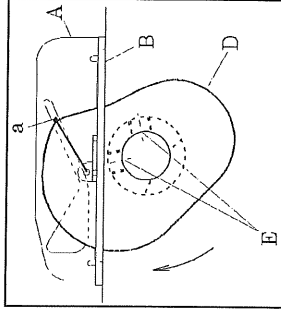
- Timing of lower-thread tension  
When needle bar come 2.8mm down from extreme high position, lower-thread tension D "a" match that looper-thread should be able to through (as shown figure) as standard.  
For adjusting this, loosen screw E.

- If timing is faster, increase amount of looper-thread filature.
- If timing is slower, decrease amount of looper-thread filature.

< Note >  
For adjusting lower-thread tension D, not to change the positioning as boss edge side apply to decoration boss edge side.

- Adjusting lower-thread-control, plate-thread-road  
Plate-thread-road F, G is positioning the extremely right edge as standard. For adjustment, loosen screw H, I to move right-to-left.

- To move X direction, lower-thread amount increase
- To move Y direction, lower-thread amount decrease



### 11-4 Adjusting decoration-thread tension

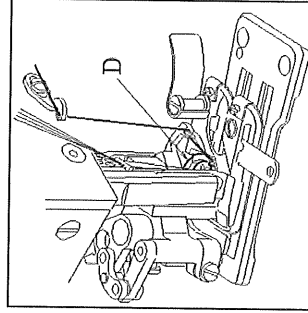
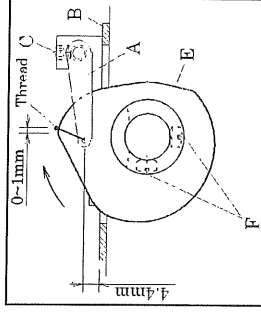
The right illustration is decoration-thread tension as seen from front.

- Position of lower-thread-control guide  
Center of lower-thread-control guide A hole and plate B gap at 4.4mm are standard.  
For adjusting, loosen screw C and guide A move up & down.

- Move guide A to downward, decoration-thread filature increase
- Move guide A to upward, decoration-thread filature decrease

- Timing of decoration tension  
Decoration-thread hold distance 0~1mm from decoration thread tension E's extreme height point when thread synchronized hangs hook D.  
For adjustment, loosen screw F.

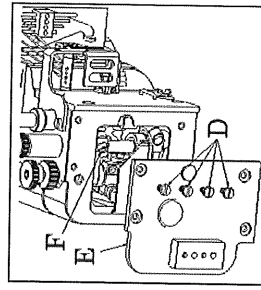
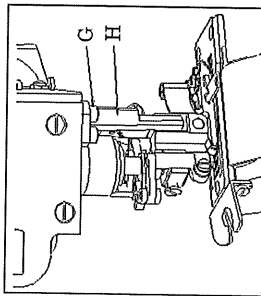
< Note >  
To adjusting the decoration-thread tension, not to change the positioning as boss edge side apply to decoration boss edge side.



## [12] REPLACING THE PRESSER FOOT

### ■ Removing presser foot

1. Loosen screw A
2. Loosen screw B, then remove the upper knife-holder including knife.
3. Loosen screw D then remove the cover E
4. Loosen screw F
5. Loosen screw G then remove guide H



6. Loosen nut I then remove screw J

7. Loosen screw K

8. Turning hand-wheel, set the needle extreme top and remove from presser foot as far as presser bar L and spring M lift up together.

9. Presser-carrier segment N remove from decoration drive sleeve O then presser set remove to back

### ■ Installing presser foot

Referring to figure, install from opposite procedure 9. ~ 1.

- When presser-foot install, decoration drive sleeve's lever O set to carrier hook N and paralleled.
- When guide H install, presser foot should not be shaken horizontally and for moving upward & downward as lightly.
- When upper-knife holder (including knife) install, refer (13"replacing the knife").
- When needle is extremely bottom position and it stick needle plate, lightly push the presser foot bar-guide P at same time tighten the screw F.

## [13] ADJUSTING & REMOVING THE KNIFE

### ■ To removing the knife

- Upper knife: Loosen screw C and D then remove upper-knife A
- Under knife: Loosen screw E and remove the under knife B

### ■ To installing the knife

- Under knife: Under knife B is installed tighten by screw E
- Upper knife: Upper knife A is installed tighten by screw D

### ■ To adjusting knife

Under-knife standard position is: When under knife B's head point "a" set to center of 2nd needle.

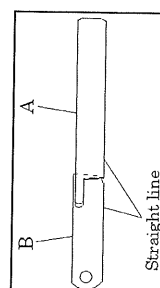
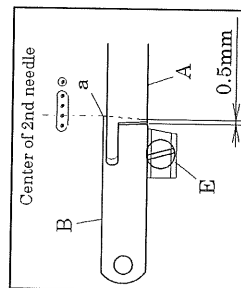
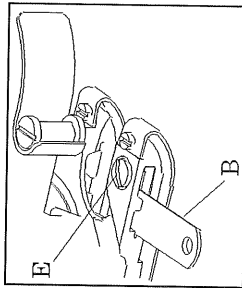
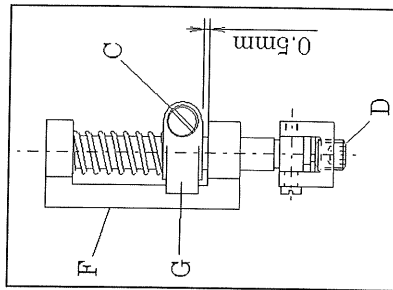
For adjustment, please do so according to fabric material. Upper knife position is: When upper knife A is at extremely left side position, set the position.

Under knife B and upper knife A engagement gap at 0.5mm.

Upper knife pressure is: needle position is at extremely bottom and presser foot stick with needle plate, moreover, upper knife stick to under knife then upper knife holder F axis guard and upper knife guide G gap at 0.5mm as a standard. (As shown figure)

### < Note >

When fixed the upper knife guide G, upper knife should not be touch to presser foot and upper knife A and under knife B's front side should be matched.

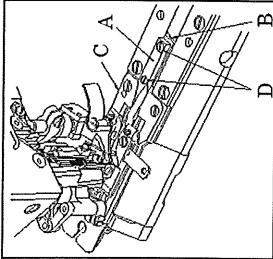


**[14] TO USING THE FABRIC GUIDE**

■ Standard left-right position should be fabric guide A positioned center of needles.

■ Standard front-back position should be fabric guide plate B touched needle plate C.

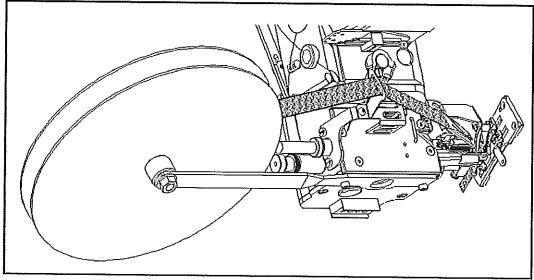
Please adjust left-right position depending on feeding condition and left & right fabric swamped condition. For adjustment, loosen screw D. And according to fabric thickness, adjust the front-back position toward to front lightly. Extra part XG-337 for light weight materials.



| NFS6504GLV | NFS6504GNH | ACCESSORIES | OPTION | EXTRA  |
|------------|------------|-------------|--------|--------|
|            |            |             |        |        |
| 25-650     | 26-651     | 26-637      | 26-670 | XG-337 |

**[14] TO USING THE TAPE GUIDE**

Please set a tape guide of GSL series correctly as shown in the figure to the right.



## 株式会社 森本製作所

本社 〒575-0001 大阪府四条畷市砂 一丁目 4 番 17 号 TEL: 072-877-1221 FAX: 072-878-9649

## MORIMOTO MFG. CO., LTD.



1-4-17, SUNA, SHIJONAWATE-CITY, OSAKA 575-0001, JAPAN

TEL: +81-72-877-1221 FAX: +81-72-878-9649 E-MAIL: hqeigyo@kansai-special.com URL: www.kansai-special.com

### FOREIGN AFFILIATED COMPANIES

#### KANSAI SPECIAL AMERICAN MACHINE CORP.

1 MADISON ST. BLDG. F, EAST RUTHERFORD, N.J. 07073 U.S.A.

TEL: +1-973-470-8321 FAX: +1-973-470-8497

#### KANSAI SPECIAL EUROPE GMBH

QUIRINSTR. 19, 40545 DUSSELDORF, GERMANY

TEL: +49-211-577-9090 FAX: +49-211-558-1477 E-MAIL: contact@kansai-special.de

#### MORIMOTO SINGAPORE PTE LTD.

NO. 51 PENJURU ROAD #02-02 SINGAPORE 609143

TEL: +65-6334-1305 FAX: +65-6334-1365 E-MAIL: info@kansaispecial.com.sg

#### MORIMOTO INDIA LIAISON OFFICE

NO. 11 SENTHILL NAGAR, PERRIYAR COLONY, AVINASHI ROAD, TIRUPUR, INDIA 641601

TEL: +91-421-4248229 FAX: +91-421-4286600 Tech Support TEL: +91-770-8300100

E-MAIL: india@kansaispecial.com.sg

#### MORIMOTO BANGLADESH LIAISON OFFICE

FLAT #2/B. HOUSE #16, ROAD #13, SECTOR #04 UTTARA, DHAKA-1230 BANGLADESH

TEL: +88-02-8931702 FAX: +88-02-8931704 E-MAIL: bangladesh@kansaispecial.com.sg

#### KANSAI (SHANG HAI) INDUSTRIAL SEWING MACHINE CO., LTD

NO. 55 LANE 835, JIAXIN ROAD, MALU TOWN, JIADING DISTRICT, SHANGHAI 201818, CHINA

TEL: +86-21-5990-1798 FAX: +86-21-5990-1538 E-MAIL: kansaish@spe.sina.net