

# MITSUBISHI

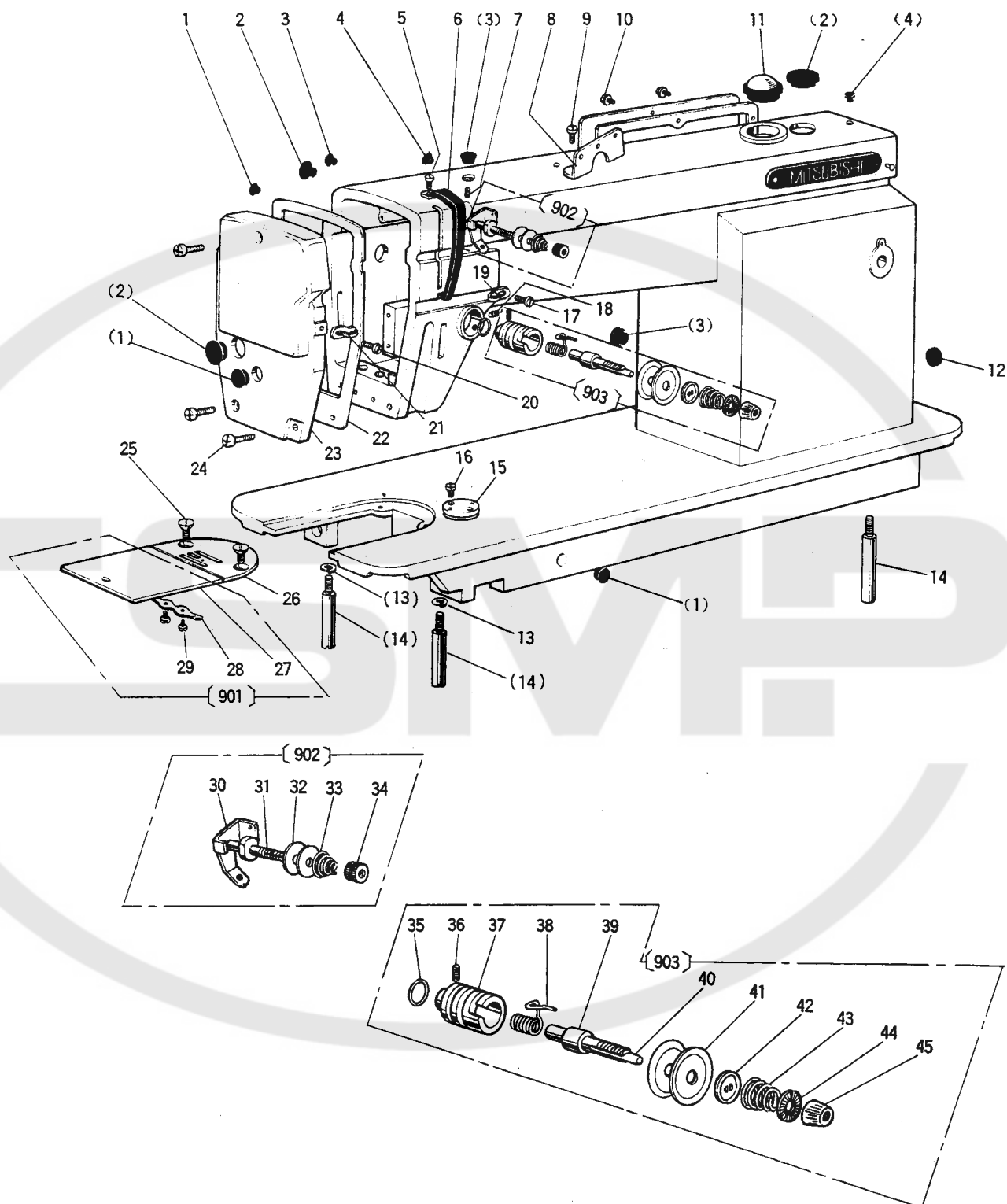
## 三菱工業用ミシン部品カタログ

## Industrial Sewing Machine Parts Catalog

### Model LS2-1180

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**A 本体関係**  
**ARM BED & IT'S ACCESSORIES**

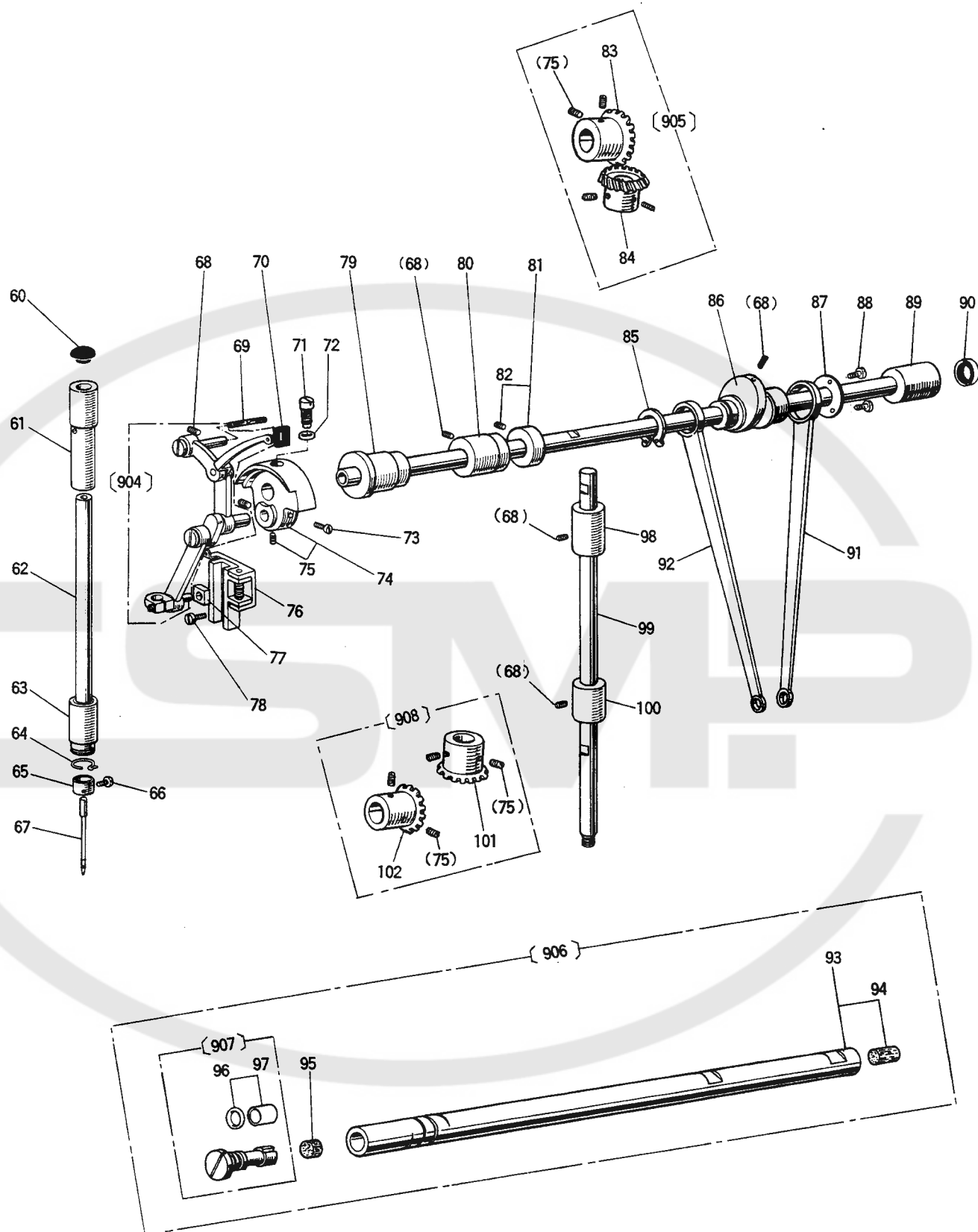


# A 本体関係

## ARM BED & IT'S ACCESSORIES

| Fig. No. | 部品コード<br>Parts. No. | 部品名                  | Description                                   | 使用個数<br>Amt. Reg. |         |         |     |
|----------|---------------------|----------------------|-----------------------------------------------|-------------------|---------|---------|-----|
|          |                     |                      |                                               | LIT (個)           | MIT (個) | HIT (個) | BIT |
| A1       | M91182080           | ゴム栓φ11.8             | Rubber plug φ11.8                             | 3                 | 3       | 3       | 3   |
| A2       | M91910080           | ゴム栓φ19               | Rubber plug φ19                               | 3                 | 3       | 3       | 3   |
| A3       | M90883080           | ゴム栓φ8.8              | Rubber plug φ8.8                              | 3                 | 3       | 3       | 3   |
| A4       | M90573080           | ゴム栓φ5.7              | Rubber plug φ5.7                              | 2                 | 2       | 2       | 2   |
| A5       | M91110004           | ブラマイジ 11/64(40)×8    | Cross recessed and slotted screw 11/64(40)×8  | 1                 | 1       | 1       | 1   |
| A6       | MF01A0584           | 天祥カバー                | Thread take-up cover                          | 1                 | 1       | 1       | —   |
| A6       | MF03A0584           | 天祥カバー                | Thread take-up cover                          | —                 | —       | —       | 1   |
| A7       | M91108001           | 止メジ 11/64(40)×5.5    | Set screw 11/64(40)×5.5                       | 1                 | 1       | 1       | 1   |
| A8       | MF36A1180           | 7-ム糸案内上              | Thread guide (arm top)                        | 1                 | 1       | 1       | 1   |
| A9       | M91116002           | 平ジ 11/64(40)×8       | Screw 11/64(40)×8                             | 1                 | 1       | 1       | 1   |
| A10      | M91109004           | PW付ブラマイジ 11/64(40)×8 | Cross recessed slotted screw-PW11/64(40)×8    | 6                 | 6       | 6       | 6   |
| A11      | MF20A0135           | 油窓                   | Oil check window                              | 1                 | 1       | 1       | 1   |
| A12      | M92701080           | ゴム栓φ27               | Rubber plug φ27                               | 1                 | 1       | 1       | 1   |
| A13      | M90106053           | ハネ座金6                | Spring washer 6                               | 2                 | 2       | 2       | 2   |
| A14      | MF10A0151           | 脚                    | Leg                                           | 3                 | 3       | 3       | 3   |
| A15      | MF01A0601           | 規定取付板                | Cloth guide plate                             | 1                 | 1       | 1       | 1   |
| A16      | M91107002           | 平ジ 11/64(40)×5.5     | Screw 11/64(40)×5.5                           | 2                 | 2       | 2       | 2   |
| A17      | M90943003           | 丸平ジ 9/64(40)×6       | Screw 9/64(40)×6                              | 1                 | 1       | 1       | 1   |
| A18      | M91508001           | 止メジ 15/64(28)×6      | Set screw 15/64(28)×6                         | 1                 | 1       | 1       | 1   |
| A19      | MG43A0181           | 7-ム糸案内右              | Thread guide (right)                          | —                 | —       | —       | 1   |
| A19      | MF80A0181           | 7-ム糸案内右              | Thread guide (right)                          | 1                 | 1       | 1       | —   |
| A20      | M90909003           | 丸平ジ 9/64(40)×6       | Screw 9/64(40)×6                              | 1                 | 1       | 1       | 1   |
| A21      | MF10A0181           | 7-ム糸案内左              | Thread guide (left)                           | —                 | 1       | 1       | —   |
| A21      | MG43A1181           | 7-ム糸案内左              | Thread guide (left)                           | 1                 | —       | —       | 1   |
| A22      | MF01A1691           | 面板ガスケット              | Face plate gasket                             | 1                 | 1       | 1       | 1   |
| A23      | MF01A0830           | 面板                   | Face plate                                    | 1                 | 1       | 1       | 1   |
| A24      | M91111004           | ブラマイジ 11/64(40)×10   | Cross recessed and slotted screw 11/64(40)×10 | 3                 | 3       | 3       | 3   |
| A25      | M91106011           | 皿皿ジ 11/64(40)×7      | Slotted counter sunk screw 11/64(40)×7        | 2                 | 2       | 2       | 2   |
| A26      | MF00B2101           | 針板A14P               | Needle plate A14P                             | 1                 | —       | —       | —   |
| A26      | MF95A1101           | 針板B1.6               | Needle plate B1.6                             | —                 | 1       | —       | —   |
| A26      | MF26B0101           | 針板B2.6               | Needle plate B2.6                             | —                 | —       | 1       | 1   |
| A27      | —                   | スベリ板                 | Slide plate                                   | 1                 | 1       | 1       | 1   |
| A28      | MF10A0471           | 板バネ(スベリ板)            | Plate spring for slide plate                  | 1                 | 1       | 1       | 1   |
| A29      | M90604002           | 平ジ 3/32(56)×2.2      | Screw 3/32(56)×2.2                            | 2                 | 2       | 2       | 2   |
| A30      | MF00A0181           | 糸案内                  | Thread guide                                  | 1                 | 1       | 1       | 1   |
| A31      | MF90A0553           | 糸案内調子棒               | Pre-tension stud                              | 1                 | 1       | 1       | 1   |
| A32      | MF10A1555           | 糸案内皿                 | Thread tension disc                           | 2                 | 2       | 2       | 2   |
| A33      | MF36A0245           | プレテンションバネ            | Pre-tension spring                            | 1                 | 1       | 1       | 1   |
| A34      | M91101046           | ツマミナット 11/64(40)     | Pre-tension adjusting nut 11/64(40)           | 1                 | 1       | 1       | 1   |
| A35      | M91202085           | Oリング S12.5           | O-ring S12.5                                  | 1                 | 1       | 1       | 1   |
| A36      | M90902001           | 止メジ 9/64(40)×4.5     | Set screw 9/64(40)×4.5                        | 1                 | 1       | 1       | 1   |
| A37      | MF01A0709           | ブッシュ(糸調子器)           | Thread tension regulator bushing              | 1                 | 1       | 1       | 1   |
| A38      | MF10A0187           | 糸取りバネ(糸調子器)          | Thread take-up spring                         | 1                 | 1       | —       | —   |
| A38      | MF02A0187           | 糸取りバネ(糸調子器)          | Thread take-up spring                         | —                 | —       | 1       | 1   |
| A39      | MF10A0553           | 調子棒(糸調子器)            | Thread tension stud                           | 1                 | 1       | —       | —   |
| A39      | MF02A0553           | 調子棒(糸調子器)            | Thread tension stud                           | —                 | —       | 1       | 1   |
| A40      | M90204060           | ピン(糸調子器)             | Thread tension releasing pin                  | 1                 | 1       | 1       | 1   |
| A41      | MF10A0555           | 糸調子皿(糸調子器)           | Thread tension disc                           | 2                 | 2       | 2       | 2   |
| A42      | MM11A0556           | 調子皿押I(糸調子器)          | Thread tension releasing disc                 | 1                 | 1       | 1       | 1   |
| A43      | MN10A3245           | 糸調子バネ(糸調子器)          | Thread tension spring                         | 1                 | 1       | —       | —   |
| A43      | MF02A1245           | 糸調子バネ(糸調子器)          | Thread tension spring                         | —                 | —       | 1       | 1   |
| A44      | MT60A0802           | 回り止め(糸調子器)           | Thumb nut revolution stopper                  | 1                 | 1       | 1       | 1   |
| A45      | M91605045           | 糸調子ナット(糸調子器) 1/4(40) | Thumb nut 1/4(40)                             | 1                 | 1       | 1       | 1   |
| A901     | MF10E0470           | スベリ板組                | Slide plate assy.                             | 1                 | 1       | 1       | 1   |
| A902     | MF00E0550           | プレテンション組             | Pre-tension assy.                             | 1                 | 1       | 1       | 1   |
| A903     | MF01E0210           | 糸調子組                 | Thread tension regulator assy.                | 1                 | 1       | —       | —   |
| A903     | MF03E0210           | 糸調子組                 | Thread tension regulator assy.                | —                 | —       | 1       | 1   |

**縫い機構 (I)**  
**SEWING MECHANISM (I)**

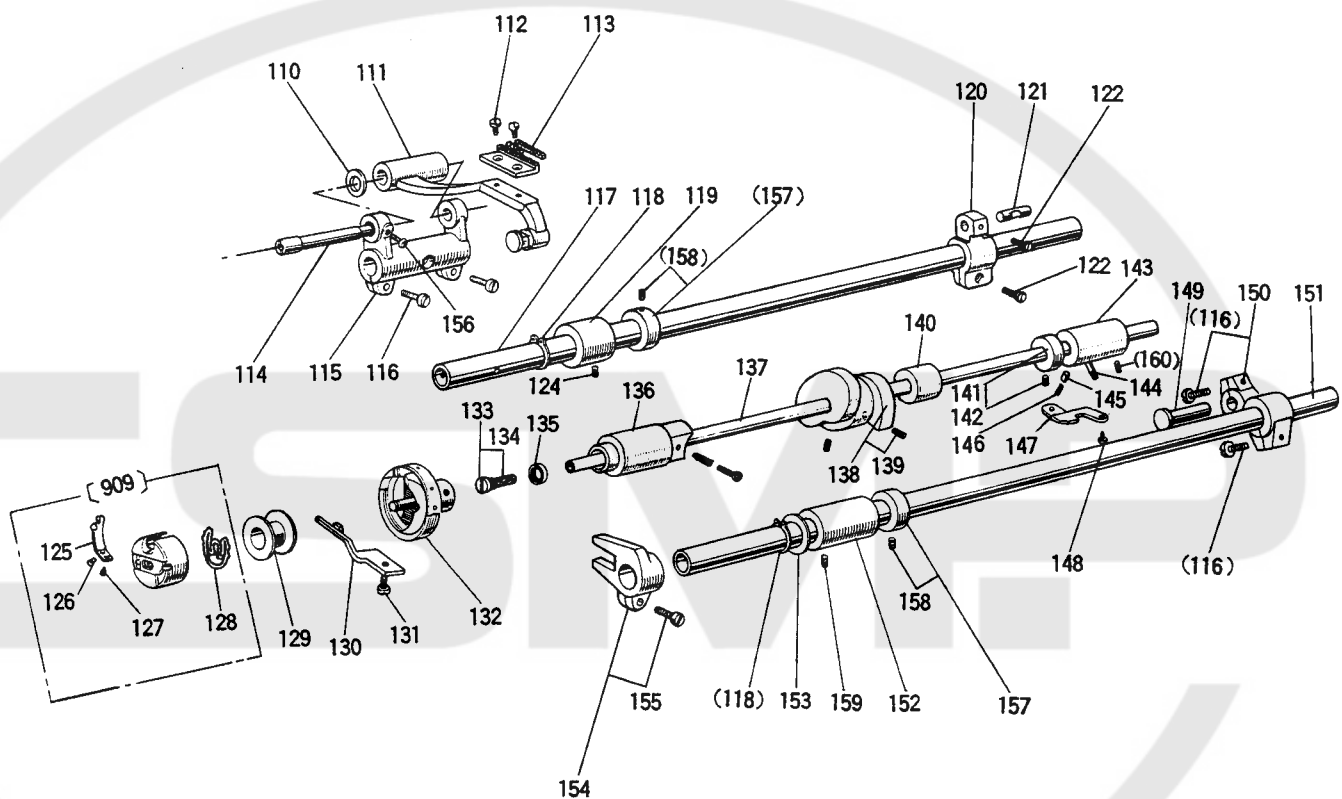


# B 縫い機構 (I)

## SEWING MECHANISM (I)

| Fig.<br>No. | 部品コード<br>Parts No. | 部品名               | Description                                  | 使用個数<br>Amt. Reg. | LT (W) | MT (W) | HT (W) | BT |
|-------------|--------------------|-------------------|----------------------------------------------|-------------------|--------|--------|--------|----|
| B60         | M90883080          | ゴム栓φ8.8           | Rubber plug φ8.8                             | 1                 | 1      | 1      | 1      | 1  |
| B61         | MF70A0663          | 針棒ナール上            | Needle bar busing (upper)                    | 1                 | 1      | 1      | 1      | 1  |
| B62         | MF05A0660          | 針棒                | Needle bar                                   | 1                 | 1      | 1      | 1      | 1  |
| B62         | MF01A0660          | 針棒                | Needle bar                                   | 1                 | 1      | 1      | 1      | 1  |
| B62         | MF82A0660          | 針棒                | Needle bar                                   | 1                 | 1      | 1      | 1      | 1  |
| B62         | MF83A0660          | 針棒                | Needle bar                                   | 1                 | 1      | 1      | 1      | 1  |
| B63         | MF01A0664          | 針棒ナール下            | Needle bar busing (lower)                    | 1                 | 1      | 1      | 1      | 1  |
| B63         | MF03A0664          | 針棒ナール下            | Needle bar busing (lower)                    | 1                 | 1      | 1      | 1      | 1  |
| B64         | MF01A0181          | 糸案内(針棒ナール下)       | Thread guide                                 | 1                 | 1      | 1      | 1      | 1  |
| B65         | MF05A0181          | 糸案内(針棒)           | Thread guide                                 | 1                 | 1      | 1      | 1      | 1  |
| B65         | MF80A1181          | 糸案内(針棒)           | Thread guide                                 | 1                 | 1      | 1      | 1      | 1  |
| B66         | M90815002          | 頭付止ネジ 1/8(44)×4.5 | Slotted flat head set screw 1/8(44)×4.5      | 1                 | 1      | 1      | 1      | 1  |
| B67         | MF21D0128          | シン針DA×1#11        | Needle DA×1#11                               | 1                 | 1      | 1      | 1      | 1  |
| B67         | MF70A0128          | シン針DB×1-2#14      | Needle DB×1-2#14                             | 1                 | 1      | 1      | 1      | 1  |
| B67         | MF83A0128          | シン針DB×1#22        | Needle DB×1#22                               | 1                 | 1      | 1      | 1      | 1  |
| B68         | M91513001          | 止ネジ 15/64(28)×9.5 | Set screw 15/64(28)×9.5                      | 6                 | 6      | 6      | 6      | 6  |
| B69         | MF01A0740          | フェルト              | Felt                                         | 1                 | 1      | 1      | 1      | 1  |
| B70         | MF01A0417          | 油防キャップ            | Oil shield cap                               | 1                 | 1      | 1      | 1      | 1  |
| B70         | MF03A0417          | 油防キャップ            | Oil shield cap                               | 1                 | 1      | 1      | 1      | 1  |
| B71         | M91802006          | 棒先平ネジ 9/32(28)×14 | Screw 9/32(28)×14                            | 1                 | 1      | 1      | 1      | 1  |
| B72         | M90700085          | Oリング 1AP7         | O-ring 1AP7                                  | 1                 | 1      | 1      | 1      | 1  |
| B73         | M91801002          | 平ネジ 9/32(28)×13   | Screw 9/32(28)×13                            | 1                 | 1      | 1      | 1      | 1  |
| B74         | MF01E0383          | クランク付             | Crank with screw                             | 1                 | 1      | 1      | 1      | 1  |
| B74         | MF01E1383          | クランク付             | Crank with screw                             | 1                 | 1      | 1      | 1      | 1  |
| B74         | MF03E0383          | クランク付             | Crank with screw                             | 1                 | 1      | 1      | 1      | 1  |
| B75         | M91606001          | 止ネジ 1/4(40)×6     | Set screw 1/4(40)×6                          | 10                | 10     | 10     | 10     | 10 |
| B76         | MF90E0662          | 針棒クランクイト組         | Needle bar connecting link guide assy.       | 1                 | 1      | 1      | 1      | 1  |
| B77         | MF10A0325          | 角駒                | Slide block                                  | 1                 | 1      | 1      | 1      | 1  |
| B78         | M91106004          | ブライネジ 11/64(40)×8 | Cross recessed and slotted screw 11/64(40)×8 | 2                 | 2      | 2      | 2      | 2  |
| B79         | MF01A0232          | 上軸ナール左            | Upper shaft bushing (left)                   | 1                 | 1      | 1      | 1      | 1  |
| B80         | MF05A0234          | 上軸ナール中            | Upper shaft bushing (middle)                 | 1                 | 1      | 1      | 1      | 1  |
| B81         | MF80A0352          | カラー付              | Thrust collar with screw                     | 1                 | 1      | 1      | 1      | 1  |
| B82         | M91602001          | 止ネジ 1/4(40)×4     | Set screw 1/4(40)×4                          | 2                 | 2      | 2      | 2      | 2  |
| B83         | .....              | 上軸ギヤ              | Upper shaft gear                             | 1                 | 1      | 1      | 1      | 1  |
| B84         | .....              | 縦軸ギヤ上             | Vertical shaft gear (upper)                  | 1                 | 1      | 1      | 1      | 1  |
| B85         | M90320065          | C型止輪軸用20          | Retaining ring-C type 20                     | 1                 | 1      | 1      | 1      | 1  |
| B86         | MF00A1492          | 偏心輪               | Feed drive eccentric cam                     | 1                 | 1      | 1      | 1      | 1  |
| B86         | MF02A1492          | 偏心輪               | Feed drive eccentric cam                     | 1                 | 1      | 1      | 1      | 1  |
| B87         | MF00A1476          | スラスト座金 φ36        | Thrust collar φ36                            | 1                 | 1      | 1      | 1      | 1  |
| B88         | M90902011          | 丸皿ネジ 3/16(28)×13  | Slotted counter sunk head screw 3/16(28)×13  | 3                 | 3      | 3      | 3      | 3  |
| B89         | MF01A0233          | 上軸ナール右            | Upper shaft bushing (right)                  | 1                 | 1      | 1      | 1      | 1  |
| B90         | M91472086          | オイルシール            | Oil seal                                     | 1                 | 1      | 1      | 1      | 1  |
| B91         | MF00A1386          | 水平送リット            | Connecting rod for feed cam                  | 1                 | 1      | 1      | 1      | 1  |
| B92         | MF70A0384          | 上下送リット            | Connecting rod for feed cam                  | 1                 | 1      | 1      | 1      | 1  |
| B93         | MF01E0230          | 上軸                | Upper shaft                                  | 1                 | 1      | 1      | 1      | 1  |
| B94         | .....              | ゴム栓               | Rubber plug                                  | 1                 | 1      | 1      | 1      | 1  |
| B95         | MF01A1740          | フェルト              | Felt                                         | 1                 | 1      | 1      | 1      | 1  |
| B96         | M90402085          | Oリング S4           | O-ring S4                                    | 1                 | 1      | 1      | 1      | 1  |
| B97         | .....              | ゴムブッシュ            | Rubber bushing                               | 1                 | 1      | 1      | 1      | 1  |
| B98         | MF00A0521          | 縦軸ナール上            | Vertical shaft bushing (upper)               | 1                 | 1      | 1      | 1      | 1  |
| B99         | MF10A0520          | 縦軸                | Vertical shaft                               | 1                 | 1      | 1      | 1      | 1  |
| B100        | MF70A0522          | 縦軸ナール下            | Vertical shaft bushing (lower)               | 1                 | 1      | 1      | 1      | 1  |
| B100        | MF74B0522          | 縦軸ナール下            | Vertical shaft bushing (lower)               | 1                 | 1      | 1      | 1      | 1  |
| B101        | .....              | 縦軸ギヤ下             | Vertical shaft gear (lower)                  | 1                 | 1      | 1      | 1      | 1  |
| B102        | .....              | 下軸ギヤ              | Lower shaft gear                             | 1                 | 1      | 1      | 1      | 1  |
| B904        | MF01E0580          | 天秤針棒クランク組         | Thread take-up lever assy.                   | 1                 | 1      | 1      | 1      | 1  |
| B904        | MF01E1580          | 天秤針棒クランク組         | Thread take-up lever assy.                   | 1                 | 1      | 1      | 1      | 1  |
| B904        | MF01E2580          | 天秤針棒クランク組         | Thread take-up lever assy.                   | 1                 | 1      | 1      | 1      | 1  |
| B904        | MF03E0580          | 天秤針棒クランク組         | Thread take-up lever assy.                   | 1                 | 1      | 1      | 1      | 1  |
| B905        | MF01E0331          | 斜歯車上組             | Bevel gear upper assy.                       | 1                 | 1      | 1      | 1      | 1  |
| B906        | MF01E1230          | 上軸組立              | Upper shaft assy.                            | 1                 | 1      | 1      | 1      | 1  |
| B907        | M97006060          | 油量調節ピン組           | Oil amount adjusting pin assy.               | 1                 | 1      | 1      | 1      | 1  |
| B908        | MF01E0332          | 斜歯車下組             | Bevel gear lower assy.                       | 1                 | 1      | 1      | 1      | 1  |

㊦ 縫い機構(Ⅱ)および水平送り軸, 上下送り軸機構  
 SEWING MECHANISM (Ⅱ) FEED ROCK SHAFT, FEED LIFTING  
 ROCK SHAFT MECHANISM



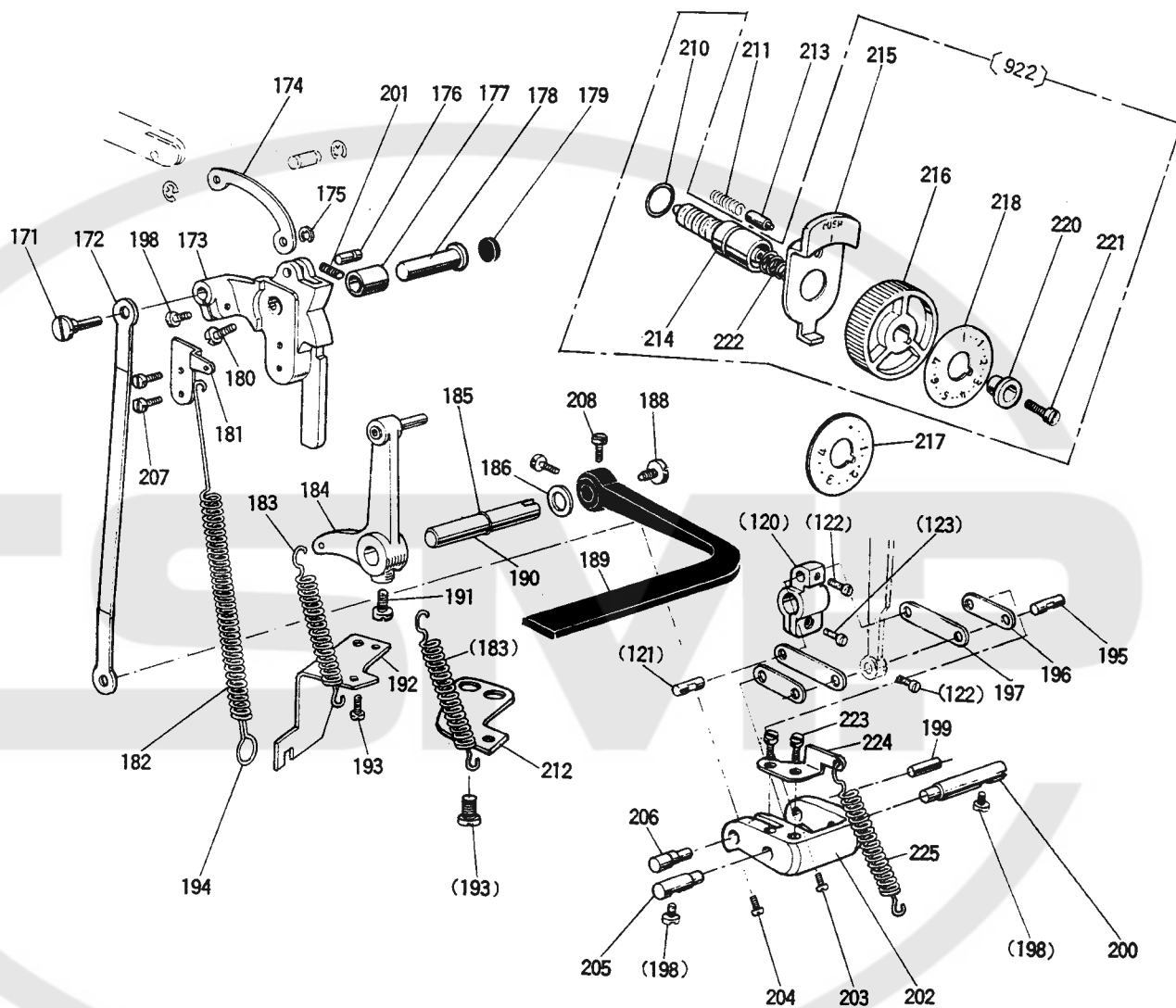
# ② 縫い機構(Ⅱ)および水平送り軸, 上下送り軸機構

## SEWING MECHANISM (Ⅱ) FEED ROCK SHAFT, FEED LIFTING ROCK SHAFT MECHANISM

| Fig.<br>No. | 部品コード<br>Parts No. | 部 品 名                 | Description                                  | 使用個数<br>Amt. Reg. |     |    |    |
|-------------|--------------------|-----------------------|----------------------------------------------|-------------------|-----|----|----|
|             |                    |                       |                                              | LIT               | INT | HT | BT |
| C110        | M90619050          | 座金 φ10                | Washer φ10                                   | 1                 | 1   | 1  | 1  |
| C111        | MF00E0281          | 送り台組                  | Feed bar assy.                               | 1                 | 1   | 1  | 1  |
| C112        | M90806002          | 平ネジ 1/8(44)×6         | Screw 1/8(44)×6                              | 2                 | 2   | 2  | 2  |
| C113        | MF00A3104          | 送り歯(4枚歯)              | Feed dog A.115P                              | 1                 | —   | —  | —  |
| C113        | MF10A0104          | 送り歯(3枚歯)              | Feed dog B.P1.6                              | —                 | 1   | 1  | 1  |
| C114        | MF90A0283          | 偏心軸                   | Shaft for feed bar (eccentric)               | 1                 | 1   | 1  | 1  |
| C115        | MF90A0278          | 水平送り腕左ネジ付             | Feed rock shaft crank (left)                 | 1                 | 1   | 1  | 1  |
| C116        | M91204002          | 丸平ネジ 3/16(28)×12      | Screw 3/16(28)×12                            | 4                 | 4   | 4  | 4  |
| C117        | MF70A0491          | 水平送り軸                 | Feed rock shaft                              | 1                 | 1   | 1  | 1  |
| C118        | M90517065          | C型止輪軸用15              | Retaining ring-C type 15                     | 2                 | 2   | 2  | 2  |
| C119        | MF00A0286          | 水平送り軸ネジ左              | Bushing for feed rock shaft (left)           | 1                 | 1   | 1  | 1  |
| C120        | MF00A0279          | 水平送り腕右                | Feed rock shaft crank (right)                | 1                 | 1   | —  | —  |
| C120        | MF02A0279          | 水平送り腕右                | Feed rock shaft crank (right)                | —                 | —   | 1  | 1  |
| C121        | MF00A0454          | 水平送り腕軸                | Feed rock shaft crank pin                    | 1                 | 1   | 1  | 1  |
| C122        | M91521002          | 平ネジ 11/64(40)×7       | Screw 11/64(40)×7                            | 2                 | 2   | 2  | 2  |
| C124        | M91506001          | 止ネジ 15/64(28)×6       | Set screw 15/64(28)×6                        | 1                 | 1   | 1  | 1  |
| C125        | MF01A0557          | 糸調子バネ                 | Bobbin thread tension spring                 | 1                 | 1   | 1  | —  |
| C125        | MF03A0557          | 糸調子バネ                 | Bobbin thread tension spring                 | —                 | —   | —  | 1  |
| C126        | M97085030          | 糸調子ネジ 3/32(100)×1.6   | Tension spring screw 3/32(100)×1.6           | 1                 | 1   | 1  | —  |
| C126        | M97086030          | 糸調子ネジ 3/32(100)×2.2   | Tension spring screw 3/32(100)×2.2           | —                 | —   | —  | 1  |
| C127        | M97087030          | 糸調子バネ止ネジ 1/16(80)×1.2 | Tension regulating screw 1/16(80)×1.2        | 1                 | 1   | 1  | —  |
| C127        | M97088030          | 糸調子バネ止ネジ 1/16(80)×1.5 | Tension regulating screw 1/16(80)×1.5        | —                 | —   | —  | 1  |
| C128        | MF01A0245          | 空転防止バネ                | Bobbin tension spring                        | 1                 | 1   | —  | —  |
| C128        | MF01A1245          | 空転防止バネ                | Bobbin tension spring                        | —                 | —   | 1  | —  |
| C128        | MF03A0245          | 空転防止バネ                | Bobbin tension spring                        | —                 | —   | —  | 1  |
| C129        | MF41D0123          | ボビン                   | Bobbin                                       | 1                 | —   | —  | —  |
| C129        | MF00A0123          | ボビン                   | Bobbin                                       | —                 | 1   | 1  | —  |
| C129        | MF25B0123          | ボビン                   | Bobbin                                       | —                 | —   | —  | 1  |
| C130        | MF10A0229          | 内蓋止                   | Hook positioner                              | 1                 | 1   | —  | —  |
| C130        | MF17B0229          | 内蓋止                   | Hook positioner                              | —                 | —   | 1  | —  |
| C130        | MF20A0229          | 内蓋止                   | Hook positioner                              | —                 | —   | —  | 1  |
| C131        | M91118002          | 平ネジ 11/64(40)×10      | Screw 11/64(40)×10                           | 1                 | 1   | 1  | 1  |
| C132        | MF01E0120          | 釜組                    | Rotary hook assy.                            | 1                 | —   | —  | —  |
| C132        | MF00A0120          | 釜組                    | Rotary hook assy.                            | —                 | 1   | —  | —  |
| C132        | MF42B0120          | 釜組                    | Rotary hook assy.                            | —                 | —   | 1  | —  |
| C132        | MF45A0120          | 釜組                    | Rotary hook assy.                            | —                 | —   | —  | 1  |
| C133        | M91259030          | オイルキャップ組 3/16(32)×9   | Oil cap screw assy. 3/16(32)×9               | 1                 | 1   | 1  | 1  |
| C134        | MF05A0740          | オイルフェルト               | Oil felt for lower shaft                     | 1                 | 1   | 1  | 1  |
| C135        | M90800086          | オイルシール                | Oil seal                                     | 1                 | 1   | 1  | 1  |
| C136        | MF00A0451          | 下軸ネジ左                 | Lower shaft bushing (left)                   | 1                 | 1   | 1  | 1  |
| C137        | MF00A0450          | 下軸                    | Lower shaft                                  | 1                 | 1   | 1  | —  |
| C137        | MF02A0450          | 下軸                    | Lower shaft                                  | —                 | —   | —  | 1  |
| C138        | MF01E0350          | 糸切りカムネジ付              | Thread trimmer cam with screw                | 1                 | 1   | 1  | 1  |
| C139        | M91602020          | 穴付止ネジ 1/4(40)×10      | Soket set screw 1/4(40)×10                   | 2                 | 2   | 2  | 2  |
| C140        | MF00A0453          | 下軸ネジ中                 | Lower shaft bushing (middle)                 | 1                 | 1   | 1  | 1  |
| C141        | MF01E0352          | カムネジ付                 | Thrust collar with screw                     | 1                 | 1   | 1  | 1  |
| C142        | M91106001          | 止ネジ 11/64(40)×3.7     | Set screw 11/64(40)×3.7                      | 2                 | 2   | 2  | 2  |
| C143        | MF00A0452          | 下軸ネジ右                 | Lower shaft bushing (right)                  | 1                 | 1   | 1  | 1  |
| C144        | MF80A0688          | パイプ                   | Oil pipe for lower shaft busing              | 1                 | 1   | 1  | 1  |
| C145        | MF00A0753          | プランジャー                | Plunger                                      | 1                 | 1   | 1  | 1  |
| C146        | MF00A0572          | コイルバネ                 | Coil spring                                  | 1                 | 1   | 1  | 1  |
| C147        | MF00A0154          | 案内板                   | Guide plate                                  | 1                 | —   | —  | —  |
| C147        | MF80A0154          | 案内板                   | Guide plate                                  | —                 | 1   | 1  | —  |
| C147        | MF83A0154          | 案内板                   | Guide plate                                  | —                 | —   | —  | 1  |
| C148        | M91501003          | 平ネジ 15/64(28)×10      | Screw 15/64(28)×10                           | 1                 | 1   | 1  | 1  |
| C149        | M90904060          | カン付軸                  | Connecting rod stud                          | 1                 | 1   | 1  | 1  |
| C150        | MF00A0277          | 上下送り腕右ネジ付             | Feed lifting rock shaft crank (right)        | 1                 | 1   | —  | —  |
| C150        | MF80A0277          | 上下送り腕右ネジ付             | Feed lifting rock shaft crank (right)        | —                 | —   | 1  | 1  |
| C151        | MF70A0460          | 上下送り軸                 | Feed lifting rock shaft                      | 1                 | 1   | 1  | 1  |
| C152        | MF70A0286          | 上下送り軸ネジ左              | Bushing for feed lifting rock shaft (left)   | 1                 | 1   | 1  | 1  |
| C153        | M91502050          | スラスト座金 φ20.5          | Thrust washer φ20.5                          | 1                 | 1   | 1  | 1  |
| C154        | MF01E0276          | 上下送り二又ネジ付             | Feed lifting rock shaft fork                 | 1                 | 1   | 1  | 1  |
| C155        | M91112002          | 平ネジ 11/64(40)×12      | Screw 11/64(40)×12                           | 1                 | 1   | 1  | 1  |
| C156        | M91106004          | ブラマネジ 11/64(40)×8     | Cross recessed and slotted screw 11/64(40)×8 | 1                 | 1   | 1  | 1  |
| C157        | MF80A0352          | カムネジ付                 | Thrust collar with screw                     | 2                 | 2   | 2  | 2  |
| C158        | M91602001          | 止ネジ 1/4(40)×4         | Set screw 1/4(40)×4                          | 4                 | 4   | 4  | 4  |
| C159        | M91513001          | 止ネジ 15/64(28)×9.5     | Set screw 15/64(28)×9.5                      | 1                 | 1   | 1  | 1  |
| C160        | M91502001          | 止ネジ 15/64(28)×3.5     | Set screw 15/64(28)×3.5                      | 1                 | 1   | 1  | 1  |
| C909        | MF40E0125          | ボビンケース組               | Bobbin case assy.                            | 1                 | 1   | —  | —  |
| C909        | MF95E0125          | ボビンケース組               | Bobbin case assy.                            | —                 | —   | 1  | —  |
| C909        | MG44E0125          | ボビンケース組               | Bobbin case assy.                            | —                 | —   | —  | 1  |

□ 送り調節機構

STITCH LENGTH REGULATOR MECHANISM



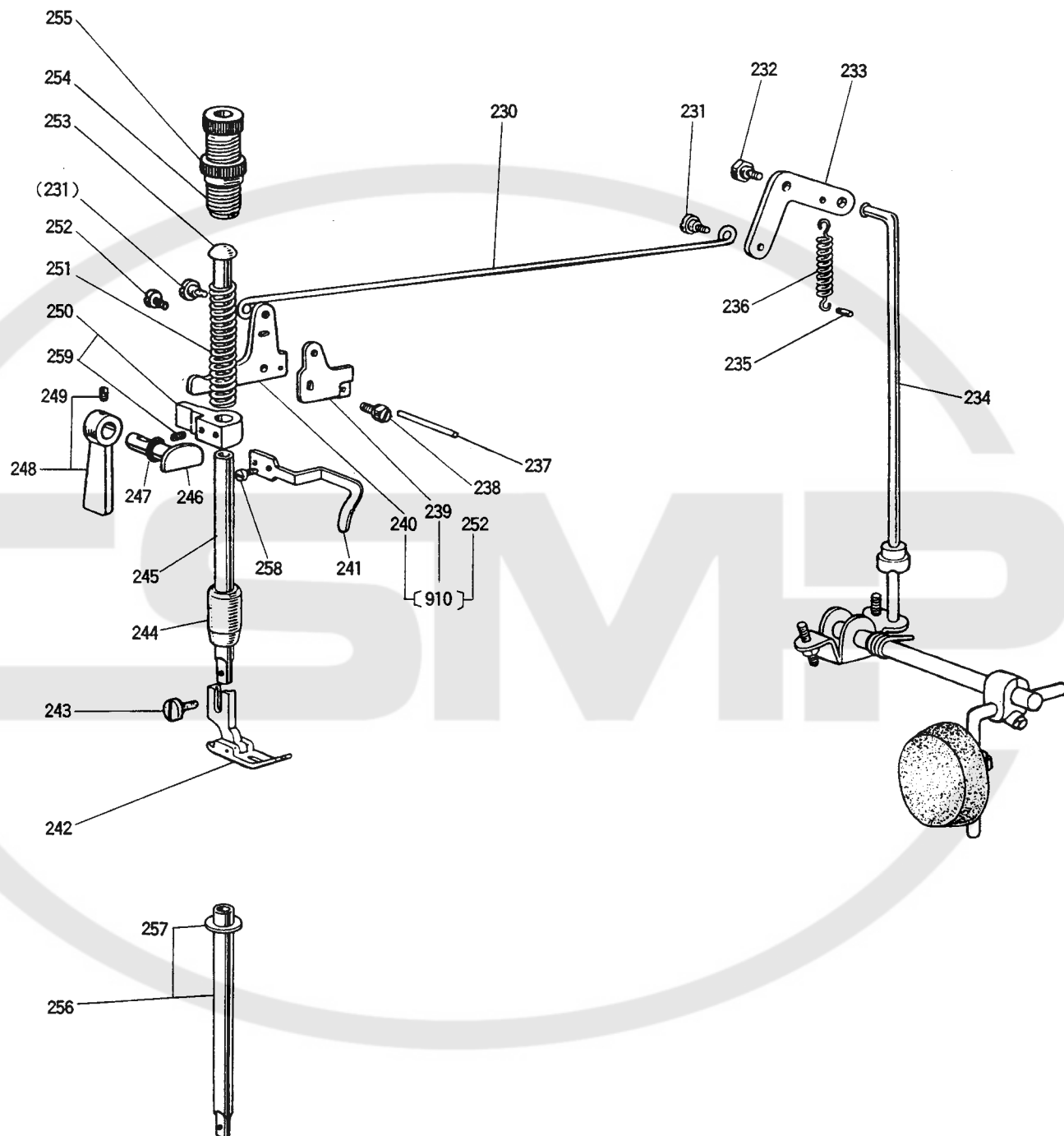


# 送り調節機構

## STITCH LENGTH REGULATOR MECHANISM

| Fig.<br>No. | 部品コード<br>Parts. No. | 部 品 名                    | Description                                     | 使用個数<br>Amt. Reg. |         |         |     |
|-------------|---------------------|--------------------------|-------------------------------------------------|-------------------|---------|---------|-----|
|             |                     |                          |                                                 | LIT (M)           | MIT (M) | HIT (M) | BIT |
| D171        | MF00A0530           | 段付軸                      | Connecting rod stud                             | 1                 | 1       | 1       | 1   |
| D172        | MF00A6910           | 返し送りリット                  | Feed rock regulator connecting rod              | 1                 | 1       | 1       | 1   |
| D173        | MF00A1152           | 送り調節金                    | Feed regulator                                  | 1                 | 1       | —       | —   |
| D173        | MF02A1152           | 送り調節金                    | Feed regulator                                  | —                 | —       | 1       | 1   |
| D174        | MF00A7910           | リンク                      | Link                                            | 1                 | 1       | 1       | 1   |
| D175        | M90504065           | E型止輪4                    | Retaining ring-E type 4                         | 1                 | 1       | 1       | 1   |
| D176        | M90519060           | 軸                        | Link stud                                       | 1                 | 1       | 1       | 1   |
| D177        | MF70A0750           | ブッシュ                     | Bushing for feed regulator                      | 1                 | 1       | 1       | 1   |
| D178        | M90904063           | コネ付軸                     | Connecting rod stud                             | 1                 | 1       | 1       | 1   |
| D179        | M92004080           | ゴム栓φ20                   | Rubber plug φ20                                 | 1                 | 1       | 1       | 1   |
| D180        | M91516002           | 平ネジ 15/64 (28) × 8.5     | Screw 15/64 (28) × 8.5                          | 1                 | 1       | 1       | 1   |
| D181        | MF00A2708           | 掛金                       | Spring retainer                                 | —                 | —       | 1       | 1   |
| D182        | MF40A6572           | コイルバネ                    | Coil spring                                     | —                 | —       | 1       | 1   |
| D183        | MF00A5572           | コイルバネ                    | Coil spring                                     | 1                 | 1       | 1       | 1   |
| D184        | MF00E1635           | 返し縫腕組                    | Reverse sewing crank assy.                      | 1                 | 1       | 1       | 1   |
| D185        | M90600085           | Oリング 1AP6                | O-ring 1AP6                                     | 1                 | 1       | 1       | 1   |
| D186        | M95003053           | 皿バネ                      | Spring washer                                   | 1                 | 1       | 1       | 1   |
| D188        | M91207003           | 丸平ネジ 3/16 (28) × 6.5     | Screw 3/16 (28) × 6.5                           | 1                 | 1       | 1       | 1   |
| D189        | MF01A0632           | 返し縫レバー                   | Feed reversing lever                            | 1                 | 1       | 1       | 1   |
| D190        | MF00A0633           | 返し縫レバー軸                  | Feed reversing lever shaft                      | 1                 | 1       | 1       | 1   |
| D191        | M91501007           | 棒先丸平ネジ 15/64 (28) × 14.5 | Screw 15/64 (28) × 14.5                         | 1                 | 1       | 1       | 1   |
| D192        | MF00A1708           | 掛金                       | Spring holder                                   | —                 | —       | 1       | 1   |
| D193        | M91505002           | 平ネジ 15/64 (28) × 13.5    | Screw 15/64 (28) × 13.5                         | 1                 | 1       | 1       | 1   |
| D194        | MN15A0708           | 掛金                       | Spring holder                                   | —                 | —       | 1       | 1   |
| D195        | MF00A1454           | 軸                        | Link stud                                       | 1                 | 1       | 1       | 1   |
| D196        | MF00A2910           | リンク                      | Link                                            | 2                 | 2       | 2       | 2   |
| D197        | MF00A3910           | リンク                      | Link                                            | 2                 | 2       | —       | —   |
| D197        | MF02A0910           | リンク                      | Link                                            | —                 | —       | 2       | 2   |
| D198        | M91112002           | 平ネジ 11/64 (40) × 12      | Screw 11/64 (40) × 12                           | 3                 | 3       | 3       | 3   |
| D199        | MF00A2454           | 軸                        | Link stud                                       | 1                 | 1       | 1       | 1   |
| D200        | MN35A2530           | 段付軸                      | Feed regulator shaft                            | 1                 | 1       | 1       | 1   |
| D201        | M91513001           | 止ネジ 15/64 (28) × 9.5     | Set screw 15/64 (28) × 9.5                      | 1                 | 1       | 1       | 1   |
| D202        | MF00A0289           | 送り調節腕                    | Stitch length adjusting crank                   | 1                 | 1       | 1       | 1   |
| D203        | M90905002           | 平ネジ 9/64 (40) × 8.5      | Screw 9/64 (40) × 8.5                           | 1                 | 1       | 1       | 1   |
| D204        | M90903002           | 平ネジ 9/64 (40) × 6.5      | Screw 9/64 (40) × 6.5                           | 1                 | 1       | 1       | 1   |
| D205        | MN35A3530           | 段付軸                      | Feed regulator shaft                            | 1                 | 1       | 1       | 1   |
| D206        | MF00A3530           | 段付軸                      | Link stud                                       | 1                 | 1       | 1       | 1   |
| D207        | M91106004           | ブラマネジ 11/64 (40) × 8     | Cross recessed and slotted screw 11/64 (40) × 8 | —                 | —       | 2       | 2   |
| D208        | M91501003           | 平ネジ 15/64 (28) × 10      | Screw 15/64 (28) × 10                           | 2                 | 2       | 2       | 2   |
| D210        | M91000085           | Oリング P10A                | O-ring P10A                                     | 1                 | 1       | 1       | 1   |
| D211        | MF05A0572           | コイルバネ                    | Coil spring                                     | 1                 | 1       | 1       | 1   |
| D212        | MF00A3708           | 掛金                       | Spring holder                                   | 1                 | 1       | —       | —   |
| D213        | MF00A0852           | 位置決めピン                   | Stopper pin                                     | 1                 | 1       | 1       | 1   |
| D214        | MF85A0640           | 送り調節ネジ                   | Screw bar                                       | 1                 | 1       | 1       | 1   |
| D215        | MF00A0950           | レバー                      | Stopper pin releasing lever                     | 1                 | 1       | 1       | 1   |
| D216        | MF01A0631           | ダイヤル                     | Dial                                            | 1                 | 1       | 1       | 1   |
| D217        | MF01A0841           | メモリ板                     | Stitch length indicating plate                  | 1                 | 1       | —       | —   |
| D218        | MF03A0841           | メモリ板                     | Stitch length indicating plate                  | —                 | —       | 1       | 1   |
| D220        | MF00A0257           | 押金                       | Bushing                                         | 1                 | 1       | 1       | 1   |
| D221        | M91215002           | 平ネジ 3/16 (28) × 12       | Screw 3/16 (28) × 12                            | 1                 | 1       | 1       | 1   |
| D222        | MF02A0245           | 円錐バネ                     | Coil spring                                     | 1                 | 1       | 1       | 1   |
| D223        | M90921002           | 平ネジ 9/64 (40) × 8        | Screw 9/64 (40) × 8                             | 2                 | 2       | —       | —   |
| D224        | MF00A4708           | 掛金                       | Spring holder                                   | 1                 | 1       | —       | —   |
| D225        | MF00A6572           | コイルバネ                    | Coil spring                                     | 1                 | 1       | —       | —   |
| D922        | MF01E0640           | 送り調節ネジ組                  | Screw bar assy.                                 | 1                 | 1       | —       | —   |
| D922        | MF03E0640           | 送り調節ネジ組                  | Screw bar assy.                                 | —                 | —       | 1       | 1   |

# **E 押え機構** **PRESSER FOOT MECHANISM**

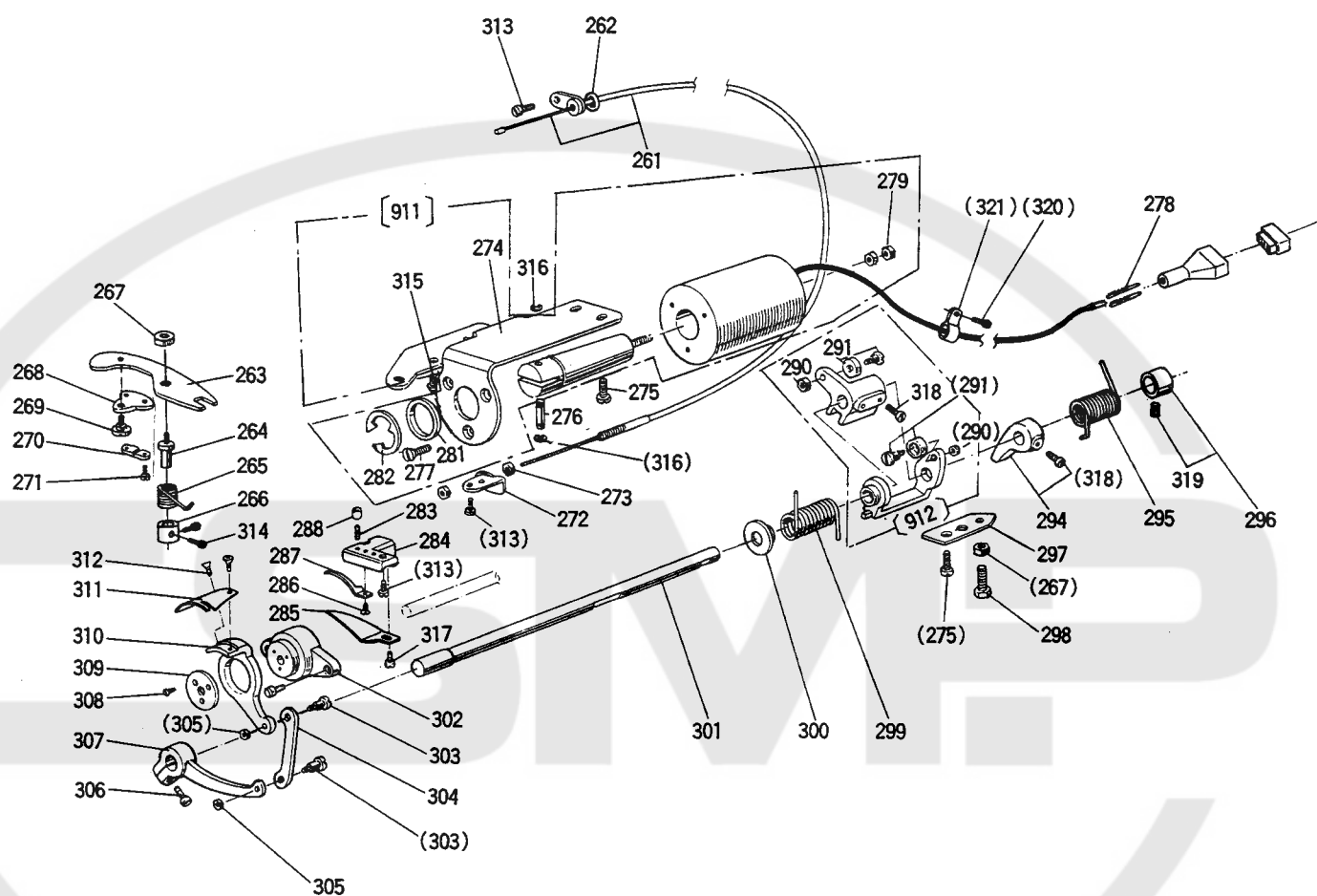


□ 押え機構

PRESSER FOOT MECHANISM

| Fig.<br>No. | 部品コード<br>Parts. No. | 部品名                 | Description                                  | 使用個数<br>Amt. Reg. |            |            |     |
|-------------|---------------------|---------------------|----------------------------------------------|-------------------|------------|------------|-----|
|             |                     |                     |                                              | LIT<br>(個)        | MIT<br>(個) | HIT<br>(個) | BIT |
| E230        | MF70A0738           | 引棒                  | Knee lifter rod                              | 1                 | 1          | 1          | 1   |
| E231        | M91219015           | 段付平ネジ 3/16(28)×3.5  | Stud screw 3/16(28)×3.5                      | 2                 | 2          | 2          | 2   |
| E232        | M91503031           | 段付ボルト 15/64(28)×6.5 | Stud bolt 15/64(28)×6.5                      | 1                 | 1          | 1          | 1   |
| E233        | MF70A1950           | 押え上げレバー-右           | Knee lifter lever (right)                    | 1                 | 1          | 1          | 1   |
| E234        | MF70A0511           | 操作棒                 | Knee lifter connecting rod                   | 1                 | 1          | 1          | 1   |
| E235        |                     | バネフック               | Spring hook                                  | 1                 | 1          | 1          | 1   |
| E236        | MF70A0572           | コイルバネ               | Spring for knee lifter lever                 | 1                 | 1          | 1          | 1   |
| E237        | M90423060           | 糸リフト                | Thread releasing pin                         | 1                 | 1          | 1          | 1   |
| E238        | M91504031           | 段付ボルト 15/64(28)×7   | Stud bolt 15/64(28)×7                        | 1                 | 1          | 1          | 1   |
| E239        |                     | 糸リフトカム              | Tension releasing cam                        | 1                 | 1          | 1          | 1   |
| E240        |                     | 押え上げレバー-左           | Knee lifter lever (left)                     | 1                 | 1          | 1          | 1   |
| E241        | MF01A0216           | 糸案内                 | Thread guide                                 | 1                 | 1          | 1          | 1   |
| E242        | MF10A0105           | 押し組                 | Presser foot assy.                           | 1                 | 1          | —          | —   |
| E242        | MF12B0105           | 押し組                 | Presser foot assy.                           | —                 | —          | 1          | —   |
| E242        | MF68B0105           | 押し組                 | Presser foot assy.                           | —                 | —          | —          | 1   |
| E243        | M90939002           | 平ネジ 9/64(40)×11     | Screw 9/64(40)×11                            | 1                 | 1          | 1          | 1   |
| E244        | MF00A0267           | 押し棒マシ               | Bushing for presser bar                      | 1                 | 1          | 1          | 1   |
| E245        | MF11D0262           | 押し棒                 | Presser bar                                  | —                 | 1          | 1          | 1   |
| E246        | MF01E0253           | 押し上げカムリング付          | Presser bar lifting cam with O-ring          | 1                 | 1          | 1          | 1   |
| E247        | M90401085           | Oリング 1AP4           | O-ring 1AP4                                  | 1                 | 1          | 1          | 1   |
| E248        | MF01E0252           | 押し上げネジ付             | Presser bar lifter with screw                | 1                 | 1          | 1          | 1   |
| E249        | M91108001           | 止メネジ 11/64(40)×5.5  | Set screw 11/64(40)×5.5                      | 1                 | 1          | 1          | 1   |
| E250        | MF01A0265           | 押し棒ガイドネジ付           | Presser bar guide bracket                    | 1                 | 1          | 1          | 1   |
| E251        | MF10A0259           | 押しバネ                | Presser spring                               | 1                 | —          | —          | —   |
| E251        | MF12B0259           | 押しバネ                | Presser spring                               | —                 | 1          | 1          | 1   |
| E252        | M91131002           | 平ネジ 11/64(40)×6.5   | Screw 11/64(40)×6.5                          | 1                 | 1          | 1          | 1   |
| E253        | MF20A0703           | 案内棒                 | Presser spring guide                         | 1                 | 1          | 1          | 1   |
| E254        | M93220035           | ワッシャー 1/2(28)×49    | Thumb screw 1/2(28)×49                       | 1                 | 1          | 1          | 1   |
| E255        | M93202047           | ワッシャー 1/2(28)×8     | Thumb nut 1/2(28)×8                          | 1                 | 1          | 1          | 1   |
| E256        | MF01E0262           | 押し棒組                | Presser bar assy.                            | 1                 | —          | —          | —   |
| E257        | M90702065           | CE型止輪 φ11.12        | Retaining ring-CE type φ11.12                | 1                 | —          | —          | —   |
| E258        | M91106004           | ブラマイネジ 11/64(40)×8  | Cross recessed and slotted screw 11/64(40)×8 | 1                 | 1          | 1          | 1   |
| E259        | M91506001           | 止メネジ 11/64(40)×6    | Set screw 11/64(40)×6                        | 1                 | 1          | 1          | 1   |
| E910        | MF00E0252           | 押し上げレバー-左組          | Knee lifter lever (left) assy.               | 1                 | 1          | 1          | 1   |

**F 糸切り機構**  
**KNIFE ACTUATING MECHANISM**

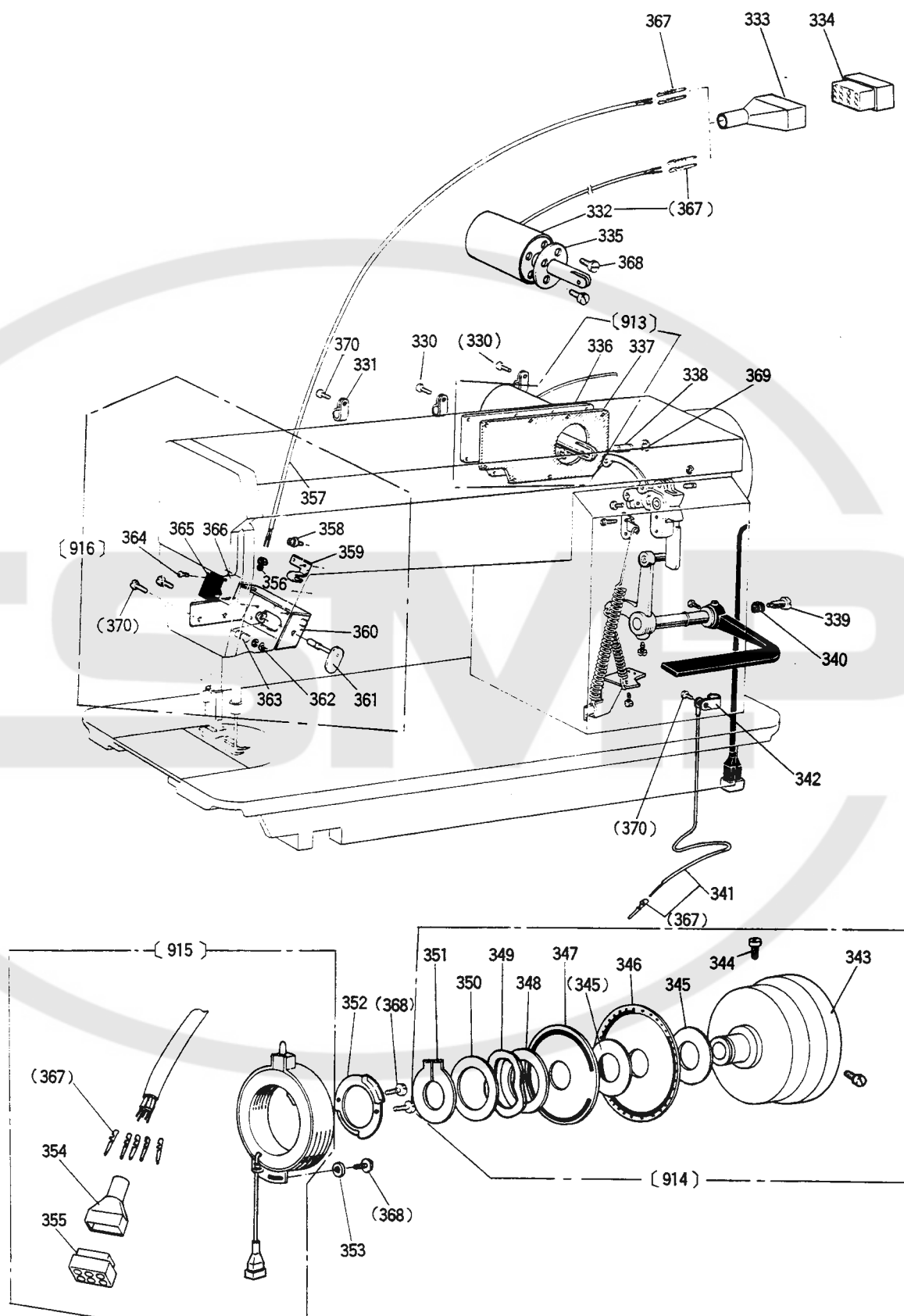


# [F] 糸切り機構

## KNIFE ACTUATING MECHANISM

| Fig.<br>No. | 部品コード<br>Parts No. | 部 品 名                 | Description                                      | 使用個数<br>Amt. Reg. |         |         |     |
|-------------|--------------------|-----------------------|--------------------------------------------------|-------------------|---------|---------|-----|
|             |                    |                       |                                                  | LIT (個)           | MIT (個) | HIT (個) | BIT |
| F261        | MF01E0746          | フレキシブルワイヤ組            | Flexible wire assy.                              | 1                 | 1       | 1       | 1   |
| F262        | M90401085          | Oリング 1AP4             | O-ring 1AP4                                      | 1                 | 1       | 1       | 1   |
| F263        | MF00A1391          | 駆動板                   | Thread trimmer driving lever                     | 1                 | 1       | 1       | 1   |
| F264        | M97082030          | 段付ネジ 15/64(28)×7.5    | Stud screw 15/64(28)×7.5                         | 1                 | 1       | 1       | 1   |
| F265        | MF00A1729          | ヒリハネ                  | Trimming lever spring                            | 1                 | 1       | 1       | 1   |
| F266        | MF00A1352          | カラー                   | Spring support collar                            | 1                 | 1       | 1       | 1   |
| F267        | M91502045          | ナット 15/64(28)         | Nut 15/64(28)                                    | 2                 | 2       | 2       | 2   |
| F268        | MF90A0361          | フレキシブルワイヤホルダ          | Flexible wire holder                             | 1                 | 1       | 1       | 1   |
| F269        | M91127015          | 段付平ネジ 11/64(40)×5     | Stud screw 11/64(40)×5                           | 1                 | 1       | 1       | 1   |
| F270        | MF36A0750          | フレキシブルワイヤ押エ           | Flexible wire presser                            | 1                 | 1       | 1       | 1   |
| F271        | M90802002          | 平ネジ 1/8(44)×7         | Screw 1/8(44)×7                                  | 2                 | 2       | 2       | 2   |
| F272        | MF00A0780          | ホルダ                   | Holder                                           | 1                 | 1       | 1       | 1   |
| F273        | M91373045          | ナット M5×4T             | Nut M5×4T                                        | 2                 | 2       | 2       | 2   |
| F274        | MF00A1509          | 糸切りソレノイド 台            | Solenoid bracket                                 | 1                 | 1       | 1       | 1   |
| F275        | M91510002          | 平ネジ 15/64(28)×12      | Screw 15/64(28)×12                               | 4                 | 4       | 4       | 4   |
| F276        | M90516063          | 軸                     | Link stud                                        | 1                 | 1       | 1       | 1   |
| F277        | M94008037          | P皿ネジ M4×6             | Cross recessed counter sunk flat head screw M4×6 | 3                 | 3       | 3       | 3   |
| F278        | M93003099          | ピンターミナル(オス)           | Terminal pin (Male)                              | 2                 | 2       | 2       | 2   |
| F279        | M92074075          | 止メナット M5×3.2T         | Nut M5×3.2T                                      | 2                 | 2       | 2       | 2   |
| F281        | MF01A0397          | クッション                 | Thread trimmer driving lever cushion             | 1                 | 1       | 1       | 1   |
| F282        | M90703065          | E型止メ輪 12              | Retaining ring-E type 12                         | 1                 | 1       | 1       | 1   |
| F283        | M90913001          | 止メネジ 9/64(40)×8.5     | Set screw 9/64(40)×8.5                           | 1                 | 1       | 1       | 1   |
| F284        | MF00A1603          | 固定スクリュー取付台            | Bracket for fixed blade                          | 1                 | 1       | 1       | 1   |
| F285        | MF00A0180          | 糸案内                   | Thread finger                                    | 1                 | 1       | 1       | —   |
| F285        | MF02A0180          | 糸案内                   | Thread finger                                    | —                 | —       | —       | 1   |
| F286        | M91102010          | 皿ネジ 9/64(40)×4.1      | Slotted counter sunk head screw 9/64(40)×4.1     | 1                 | 1       | 1       | 1   |
| F287        | MF00A0838          | 固定スクリュー               | Fixed blade                                      | 1                 | 1       | 1       | —   |
| F287        | MF02A0838          | 固定スクリュー               | Fixed blade                                      | —                 | —       | —       | 1   |
| F288        | M91110045          | ナット 9/64(40)          | Nut 9/64(40)                                     | 1                 | 1       | 1       | 1   |
| F290        | M91201045          | ナット 3/16(28)          | Nut 3/16(28)                                     | 2                 | 2       | 2       | 2   |
| F291        | MF01E0411          | カム、カムジョイント            | Cam follower, Shoulder screw assy.               | 2                 | 2       | 2       | 2   |
| F294        | MF01E0477          | ストッパー組                | Stopper lever assy.                              | 1                 | 1       | 1       | 1   |
| F295        | MF00A0729          | ヒリハネ                  | Coil spring                                      | 1                 | 1       | 1       | 1   |
| F296        | MF01E1352          | カラーネジ 付               | Collar with screw                                | 1                 | 1       | 1       | 1   |
| F297        | MF00A1477          | ストッパー板                | Lever stopper plate                              | 1                 | 1       | 1       | 1   |
| F298        | M91503022          | ボルト 15/64(28)×20      | Bolt 15/64(28)×20                                | 1                 | 1       | 1       | 1   |
| F299        | MF00A9572          | コイルスプリング              | Coil spring                                      | 1                 | 1       | 1       | 1   |
| F300        | MF00A0750          | ブッシュ                  | Bushing                                          | 1                 | 1       | 1       | 1   |
| F301        | MF00A5454          | スクリュー駆動軸              | Knife driving shaft                              | 1                 | 1       | 1       | —   |
| F301        | MF02A1454          | スクリュー駆動軸              | Knife driving shaft                              | —                 | —       | —       | 1   |
| F302        | MF00A2527          | 台座                    | Knife holding bracket saddle                     | 1                 | —       | —       | —   |
| F302        | MF00A1527          | 台座                    | Knife holding bracket saddle                     | —                 | 1       | 1       | 1   |
| F303        | M91111015          | 段付平ネジ 11/64(40)×6.2   | Stud screw 11/64(40)×6.2                         | 2                 | 2       | 2       | 2   |
| F304        | MF00A8910          | リンク                   | Link                                             | 1                 | 1       | 1       | 1   |
| F305        | M91107045          | ナット 11/64(40)         | Nut 11/64(40)                                    | 2                 | 2       | 2       | 2   |
| F306        | M91117002          | 丸平ネジ 11/64(40)×13     | Screw 11/64(40)×13                               | 1                 | 1       | 1       | 1   |
| F307        | MF00A1392          | 駆動腕                   | Knife driving crank                              | 1                 | 1       | 1       | 1   |
| F308        | M90803010          | 皿ネジ 1/8(44)×6         | Slotted counter sunk head screw 1/8(44)×6        | 3                 | 3       | 3       | 3   |
| F309        | M94006052          | スラスト座金 φ28            | Thrust collar φ28                                | 1                 | 1       | 1       | 1   |
| F310        | MF00A0836          | スクリュー台左               | Knife base (left)                                | 1                 | 1       | 1       | —   |
| F310        | MF02A0836          | スクリュー台左               | Knife base (left)                                | —                 | —       | —       | 1   |
| F311        | MF00A0834          | スクリュー台左               | Movable knife (left)                             | 1                 | 1       | 1       | —   |
| F311        | MF02A0834          | スクリュー台左               | Movable knife (left)                             | —                 | —       | —       | 1   |
| F312        | M91151010          | 六角穴付皿ネジ 11/64(40)×7   | Hexagon socket counter sunk screw 11/64(40)×7    | 2                 | 2       | 2       | 2   |
| F313        | M91106004          | ブッシュネジ 11/64(40)×8    | Cross recessed and slotted screw 11/64(40)×8     | 6                 | 6       | 6       | 6   |
| F314        | M90903002          | 平ネジ 9/64(40)×6.5      | Screw 9/64(40)×6.5                               | 2                 | 2       | 2       | 2   |
| F315        | M91118002          | 平ネジ 11/64(40)×10      | Screw 11/64(40)×10                               | 1                 | 1       | 1       | 1   |
| F316        | M90519065          | E型止メ輪 4               | Retaining ring-E type 4                          | 2                 | 2       | 2       | 2   |
| F317        | M90921002          | 平ネジ 9/64(40)×8        | Screw 9/64(40)×8                                 | 1                 | 1       | 1       | 1   |
| F318        | M91516002          | 頭付止メネジ 15/64(28)×8.5  | Slotted flat head set screw 15/64(28)×8.5        | 1                 | 1       | 1       | 1   |
| F319        | M91602001          | 止メネジ 1/4(40)×4        | Set screw 1/4(40)×4                              | 1                 | 1       | 1       | 1   |
| F320        | M91109004          | PW付ブッシュネジ 11/64(40)×8 | Cross recessed slotted screw-PW 11/64(40)×8      | 1                 | 1       | 1       | 1   |
| F321        | M94003099          | コード押エ                 | Cord holder                                      | 1                 | 1       | 1       | 1   |
| F911        | MF00E3519          | 糸切りソレノイド組             | Thread trimming solenoid                         | 1                 | 1       | 1       | 1   |
| F912        | MF01E0351          | カム追従腕組                | Cam follower crank assy.                         | 1                 | 1       | 1       | 1   |

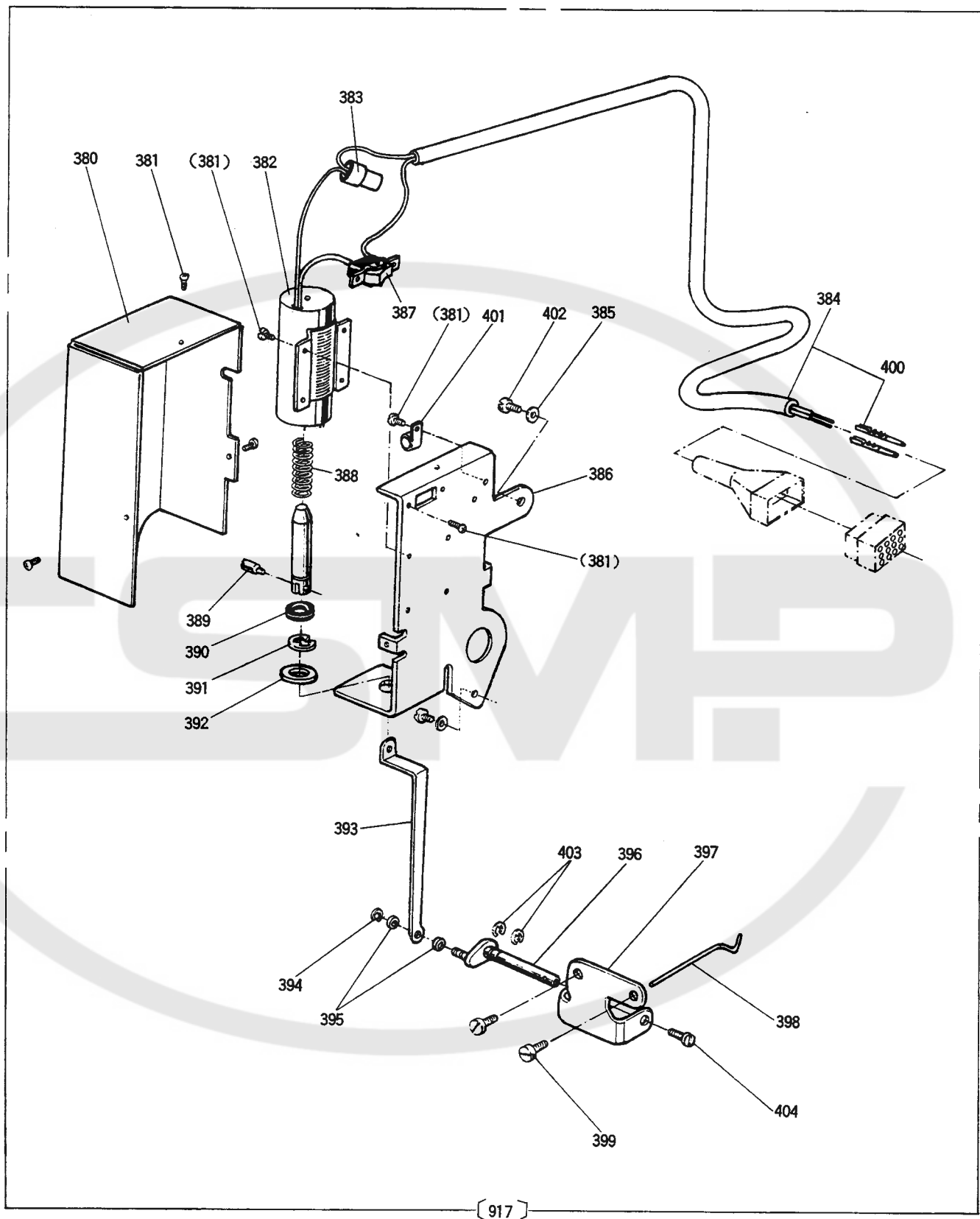
**㊄ タッチバック機構および検出器機構**  
**TOUCH BACK MECHANISM & DETECTOR MECHANISM**



# **タッチバック機構および検出器機構** **TOUCH BACK MECHANISM & DETECTOR MECHANISM**

| Fig.<br>No. | 部品コード<br>Parts. No. | 部 品 名                | Description                                     | 使用個数<br>Amt. Reg. |        |        |    |
|-------------|---------------------|----------------------|-------------------------------------------------|-------------------|--------|--------|----|
|             |                     |                      |                                                 | LT (C)            | MT (C) | HT (C) | BT |
| G330        | M91111004           | ブラマイジ 11/64(40)×10   | Cross recessed and slotted screw 11/64(40)×10   | 2                 | 2      | 2      | 2  |
| G331        | M94003099           | コード 押エ               | Cord holder                                     | 3                 | 3      | 3      | 3  |
| G331        | MN60A0620           | コード 押エ               | Cord holder                                     | 3                 | 3      | 3      | 3  |
| G332        | M91018098           | ソレノイド 組              | Solenoid assy. for touch back                   | 1                 | 1      | 1      | 1  |
| G333        | MF01A0366           | コネクタキャップ             | Connector cap                                   | 1                 | 1      | 1      | 1  |
| G334        | M91018099           | コネクタ-12P             | Nylon connector 12-pole                         | 1                 | 1      | 1      | 1  |
| G335        | MF01A0691           | ガスケット                | Gascket for solenoid oil seal                   | 1                 | 1      | 1      | 1  |
| G336        | MF01A0880           | 横蓋                   | Arm side cover                                  | 1                 | 1      | 1      | 1  |
| G337        | MF00A1691           | ガスケット                | Gascket for arm side cover                      | 1                 | 1      | 1      | 1  |
| G338        | M90516063           | ピン                   | Link stud                                       | 1                 | 1      | 1      | 1  |
| G339        | M91515015           | 段付平ネジ 15/64(28)×7    | Stud screw 15/64(28)×7                          | 1                 | 1      | 1      | 1  |
| G340        | MN36A0417           | ゴムクッション              | Rubber cushion                                  | 1                 | 1      | 1      | 1  |
| G341        | M97003095           | アースコード 組             | Ground wire assy.                               | 1                 | 1      | 1      | 1  |
| G342        | M94008099           | コード 押エ               | Cord holder                                     | 1                 | 1      | 1      | 1  |
| G343        | MF01A0682           | プーリ                  | Pulley                                          | 1                 | 1      | 1      | 1  |
| G344        | M91502002           | ヒラネジ 15/64(28)×12    | Screw 15/64(28)×12                              | 2                 | 2      | 2      | 2  |
| G345        | MF01A0476           | スペーサA                | Spacer A                                        | 2                 | 2      | 2      | 2  |
| G346        | MF01A2694           | 反射板B12(下)            | Speed command disc B12 (down)                   | 1                 | 1      | 1      | 1  |
| G347        | MF01A1694           | 反射板B21(上)            | Speed command disc B21 (up)                     | 1                 | 1      | 1      | 1  |
| G348        | MF01A1476           | スペーサB                | Spacer B                                        | 1                 | 1      | 1      | 1  |
| G349        | MF01A0259           | 反射板押エフ リング           | Supporter spring                                | 1                 | 1      | 1      | 1  |
| G350        | M93001050           | 座金30                 | Washer 30                                       | 1                 | 1      | 1      | 1  |
| G351        | M90330065           | C型止メ輪30              | Retaining ring-C type 30                        | 1                 | 1      | 1      | 1  |
| G352        | MF01A0257           | 検出器押エ                | Detector bracket supporter                      | 1                 | 1      | 1      | 1  |
| G353        | M93002050           | 座金 φ12               | Washer φ12                                      | 1                 | 1      | 1      | 1  |
| G354        | MF01A0366           | コネクタキャップ             | Connector cap                                   | 1                 | 1      | 1      | 1  |
| G355        | M91020099           | コネクタ-6P              | Nylon connector 6-pole                          | 1                 | 1      | 1      | 1  |
| G356        | M91004080           | ゴム栓 φ10              | Rubber plug φ10                                 | 1                 | 1      | 1      | 1  |
| G357        | M97118099           | コード 組                | Vinyl cap-tire4 cable for touch switch          | 1                 | 1      | 1      | 1  |
| G358        | M90250037           | SW-PW付付ナネジ M2×3      | Cross recessed head screw-SW-PW M2×3            | 2                 | 2      | 2      | 2  |
| G359        | MF00A0192           | 板バネ                  | Spring plate                                    | 1                 | 1      | 1      | 1  |
| G360        | MF01A1601           | スイッチ取付板              | Bracket for touch switch                        | 1                 | 1      | 1      | 1  |
| G361        | MF00A0270           | 押ボタ ン                | Push button                                     | 1                 | 1      | 1      | 1  |
| G362        | M90512065           | E型止メ輪3               | Retaining ring-E type 3                         | 2                 | 2      | 2      | 2  |
| G363        | MF00A7572           | コイルバネ                | Coil spring                                     | 1                 | 1      | 1      | 1  |
| G364        | M90251037           | バインドネジ M2×8          | Bind head screw-cross M2×8                      | 1                 | 1      | 1      | 1  |
| G365        | M90208099           | マイクロスイッチ             | Micro switch                                    | 1                 | 1      | 1      | 1  |
| G366        | MF01A0502           | 絶縁板                  | Insulator seet                                  | 1                 | 1      | 1      | 1  |
| G367        | M93003099           | ピンターミナル(オス)          | Terminal pin (Male)                             | 10                | 10     | 10     | 10 |
| G368        | M91106004           | ブラマイジ 11/64(40)×8    | Cross recessed and slotted screw 11/64(40)×8    | 7                 | 7      | 7      | 7  |
| G369        | M90519065           | E型止メ輪4               | Retaining ring-E type 4                         | 2                 | 2      | 2      | 2  |
| G370        | M91109004           | PW付ブラマイジ 11/64(40)×8 | Cross recessed and slotted screw-PW 11/64(40)×8 | 4                 | 4      | 4      | 4  |
| G913        | MF01E0519           | 横蓋ソレノイド 組            | Arm side cover solenoid assy.                   | 1                 | 1      | 1      | 1  |
| G914        | MF01E0682           | プーリ組                 | Pulley assy.                                    | 1                 | 1      | 1      | 1  |
| G915        | MF01E0406           | 検出器組                 | Detector bracket assy.                          | 1                 | 1      | 1      | 1  |
| G916        | MF01E0534           | タッチスイッチ組             | Touch switch assy.                              | 1                 | 1      | 1      | 1  |

# H ワイパー機構 WIPER MECHANISM

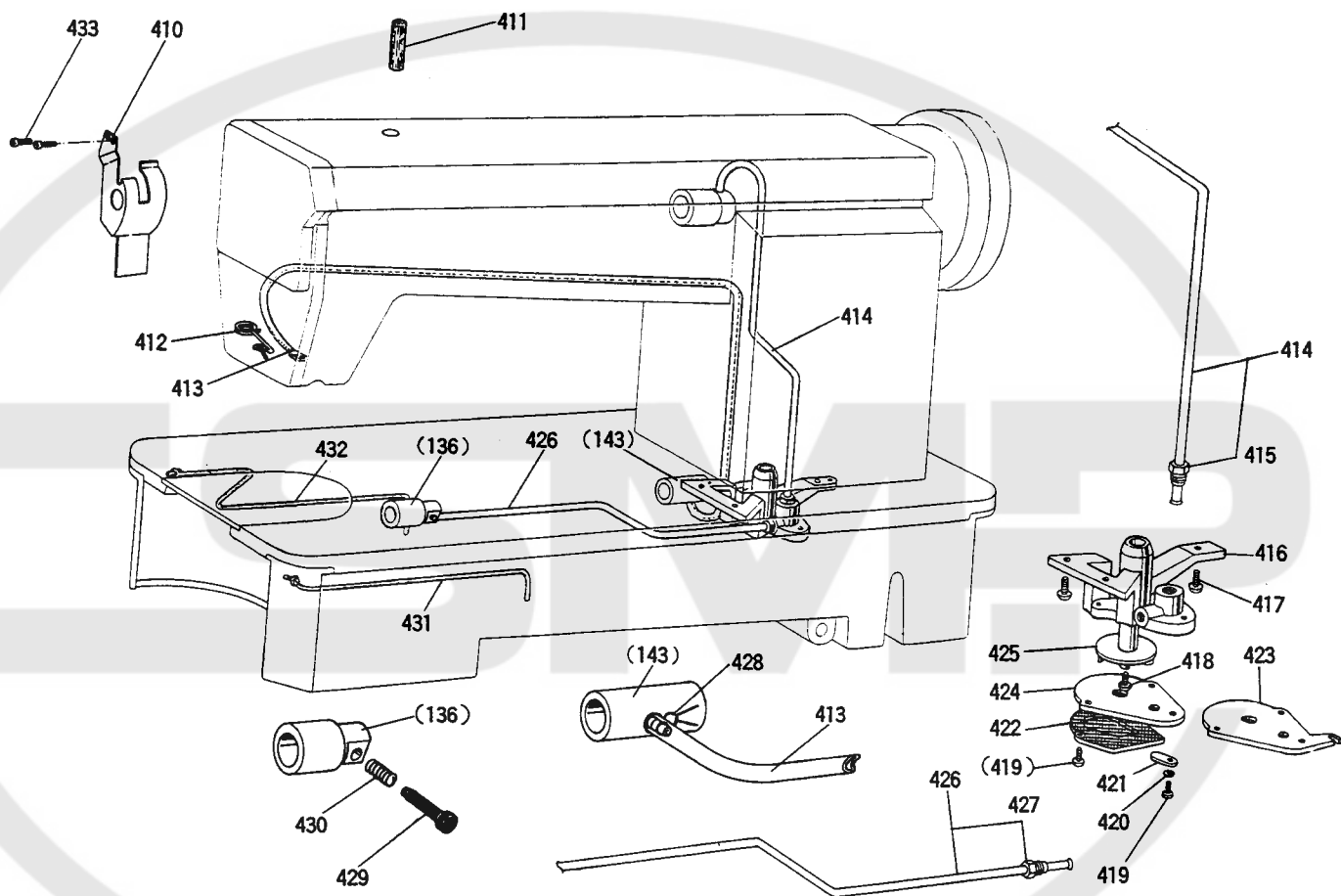




# H ワイパー機構 WIPER MECHANISM

| Fig.<br>No. | 部品コード<br>Parts. No. | 部 品 名               | Description                                        | 使用個数<br>Amt. Reg. |    |    |    |
|-------------|---------------------|---------------------|----------------------------------------------------|-------------------|----|----|----|
|             |                     |                     |                                                    | LIT               | MT | HT | BT |
| H380        | MF01A0339           | ソレノイドカバー            | Solenoid cover for wiper mech.                     | 1                 | 1  | 1  | —  |
| H381        | M90308037           | SW-PW付平ネジ M3×6      | Cross recessed head screw-SW-PW M3×6               | 10                | 10 | 10 | —  |
| H382        | M91017098           | ワイパーソレノイド           | Thread wiper solenoid assy.                        | 1                 | 1  | 1  | —  |
| H383        | M91019099           | ヘッド接続子1-SD          | Connecting 1-SD                                    | 1                 | 1  | 1  | —  |
| H384        | M97061095           | コード組                | Vinyl cap-tire cable assy. for thread wiper switch | 1                 | 1  | 1  | —  |
| H385        | M90604050           | 座金6                 | Washer 6                                           | 2                 | 2  | 2  | —  |
| H386        | MF01A2601           | ソレノイド取付板            | Solenoid bracket                                   | 1                 | 1  | 1  | —  |
| H387        | MF40E2484           | ワイパースイッチ            | Thread wiper switch                                | 1                 | 1  | 1  | —  |
| H388        | MF00A4572           | コイルスプリング            | Coil spring                                        | 1                 | 1  | 1  | —  |
| H389        | M90910033           | プランジャーピン 9/64(40)×4 | Plunger pin 9/64(40)×4                             | 1                 | 1  | 1  | —  |
| H390        | M91504050           | 座金 φ20              | Washer φ20                                         | 1                 | 1  | 1  | —  |
| H391        | M90510065           | E型止輪10              | Retaining ring-E type 10                           | 1                 | 1  | 1  | —  |
| H392        | MF00A1417           | ゴムクッション             | Rubber cushion                                     | 1                 | 1  | 1  | —  |
| H393        | MF00A5910           | リンク                 | Thread wiper connecting rod                        | 1                 | 1  | 1  | —  |
| H394        | M90513065           | E型止輪2.5             | Retaining ring-E type 2.5                          | 1                 | 1  | 1  | —  |
| H395        | M90454050           | 座金4                 | Washer 4                                           | 2                 | 2  | 2  | —  |
| H396        | MF01A0454           | ワイパー軸               | Wiper shaft                                        | 1                 | 1  | 1  | —  |
| H397        | MF00A0982           | ワイパー軸台              | Thread wiper bracket                               | 1                 | 1  | 1  | —  |
| H398        | MF00A0980           | ワイパー                | Thread wiper                                       | 1                 | 1  | 1  | —  |
| H399        | M91106003           | 丸平ネジ 11/64(40)×20   | Screw 11/64(40)×20                                 | 2                 | 2  | 2  | —  |
| H400        | M93003099           | ピンターミナル(オス)         | Terminal pin (Male)                                | 2                 | 2  | 2  | —  |
| H401        | M94002099           | コード押エ               | Cord holder                                        | 1                 | 1  | 1  | —  |
| H402        | M91515002           | 平ネジ 15/64(28)×10    | Screw 15/64(28)×10                                 | 2                 | 2  | 2  | —  |
| H403        | M90519065           | E型止輪4               | Retaining ring-E type 4                            | 2                 | 2  | 2  | —  |
| H404        | M90806002           | 平ネジ 1/8(44)×6       | Screw 1/8(44)×6                                    | 1                 | 1  | 1  | —  |
| H917        | MF01E0984           | ワイパーソウチキミ           | Wiper device assy.                                 | 1                 | 1  | 1  | —  |

**J 給油機構**  
**OIL LUBRICATION MECHANISM**



**J 給油機構**

**OIL LUBRICATION MECHANISM**

| Fig.<br>No. | 部品コード<br>Parts. No. | 部 品 名               | Description                                   | 使用個数<br>Amt. Reg. |         |         |     |
|-------------|---------------------|---------------------|-----------------------------------------------|-------------------|---------|---------|-----|
|             |                     |                     |                                               | LIT (個)           | MIT (個) | HIT (個) | BIT |
| J410        | MF01A0873           | 油防板組                | Arm oil shield assy.                          | 1                 | 1       | 1       | 1   |
| J411        | MF01A2740           | 給油フェルトφ8×30         | Oil felt φ8×30                                | 1                 | 1       | 1       | 1   |
| J412        | MF00A2780           | フィルタ                | Oil filter holder                             | 1                 | 1       | 1       | 1   |
| J413        | MF01E0731           | 還油パイプ組              | Oil return tube assy.                         | 1                 | 1       | 1       | 1   |
| J414        | MF80A1688           | 給油パイプ組 (上)          | Upper shaft oil tube assy.                    | 1                 | 1       | 1       | 1   |
| J415        | MF40A1750           | パイプ接続ブッシュ 1/2(28)   | Oil tube lock bushing 1/2(28)                 | 1                 | 1       | 1       | 1   |
| J416        | MF80A0783           | ポンプケース              | Oil pump                                      | 1                 | 1       | 1       | 1   |
| J417        | M91103004           | ブラマイネジ 11/64(40)×13 | Cross recessed and slotted screw 11/64(40)×13 | 3                 | 3       | 3       | 3   |
| J418        | M90810002           | 平ネジ 1/8(44)×8       | Screw 1/8(44)×8                               | 1                 | 1       | 1       | 1   |
| J419        | M90801004           | ブラマイネジ 1/8(44)×13   | Cross recessed and slotted screw 1/8(44)×13   | 3                 | 3       | 3       | 3   |
| J420        | M90304053           | バネ座金3.5             | Spring washer 3.5                             | 1                 | 1       | 1       | 1   |
| J421        | MF10A1742           | 油量調節弁               | Oil adjusting plate                           | 1                 | 1       | 1       | 1   |
| J422        | MF10E0337           | ポンプフィルタ             | Oil pump filter                               | 1                 | 1       | 1       | 1   |
| J423        | MF00A2601           | 羽車カバー               | Oil pump impeller cover                       | 1                 | 1       | —       | —   |
| J424        | MF10A0601           | 羽車カバー               | Oil pump impeller cover                       | —                 | —       | 1       | 1   |
| J425        | MF10A0685           | 羽車                  | Oil pump impeller                             | 1                 | 1       | 1       | 1   |
| J426        | MF00E0142           | 給油パイプ組 (下)          | Lower shaft oil tube assy.                    | 1                 | 1       | 1       | 1   |
| J427        | M92201047           | パイプ接続ブッシュ 11/32(28) | Oil tube lock bushing 11/32(28)               | 1                 | 1       | 1       | 1   |
| J428        | MF01A0378           | 還油パイプクリップ           | Oil return tube clip                          | 1                 | 1       | 1       | 1   |
| J429        | M97084030           | 油量調節ネジ 15/64(28)    | Oil adjusting screw 15/64(28)                 | 1                 | 1       | 1       | 1   |
| J430        | MF80A1572           | コイルバネ               | Coil spring                                   | 1                 | 1       | 1       | 1   |
| J431        | MF00A0148           | 給油紐                 | Oil wick                                      | 1                 | 1       | 1       | 1   |
| J432        | MF95A0148           | 給油紐                 | Oil wick                                      | 1                 | 1       | 1       | 1   |
| J433        | M91106004           | ブラマイネジ 11/64(40)×8  | Cross recessed and slotted screw 11/64(40)×8  | 2                 | 2       | 2       | 2   |

**K**



# **付属品** **ACCESSORIES**

| Fig.<br>No. | 部品コード<br>Parts No. | 部 品 名                | Description                                     | 使用個数<br>Amt. Reg. |            |            |     |
|-------------|--------------------|----------------------|-------------------------------------------------|-------------------|------------|------------|-----|
|             |                    |                      |                                                 | LIT<br>HIT        | MIT<br>HIT | BIT<br>HIT | BIT |
| K430        | M90701099          | 集塵マグネット              | Magnet block                                    | 1                 | 1          | 1          | 1   |
| K431        | MS02A2976          | 六角棒ナット3              | Hexagon socket screw key 3                      | 1                 | 1          | 1          | 1   |
| K432        | MF90A2976          | 六角棒ナット2              | Hexagon socket screw key 2                      | 1                 | 1          | 1          | 1   |
| K433        | M90550050          | 座金5                  | Washer for bobbin winder 5                      | 2                 | 2          | 2          | 2   |
| K434        | M90401041          | 丸木ネジ 4.5×20          | Wood screw for bobbin winder 4.5×20             | 2                 | 2          | 2          | 2   |
| K435        | MB02A0608          | ネジ 回シ(中)             | Screw driver (Size M)                           | 1                 | 1          | 1          | 1   |
| K436        | MB02A1608          | ネジ 回シ(小)             | Screw driver (Size S)                           | 1                 | 1          | 1          | 1   |
| K437        | MF01A0565          | 反射板調整具               | Speed command disc adjusting plate              | 1                 | 1          | 1          | 1   |
| K438        | MF60A0137          | 油差シ                  | Oil with oiler                                  | 1                 | 1          | 1          | 1   |
| K439        | MF01E0418          | 頭部ピン組                | Hinge with rubber cushion                       | 2                 | 2          | 2          | 2   |
| K440        | MF01A0419          | 防護ゴム(大)              | Head cushion (large)                            | 2                 | 2          | 2          | 2   |
| K441        | MF01A1419          | 防護ゴム(小)              | Head cushion (small)                            | 2                 | 2          | 2          | 2   |
| K442        | MF01A0776          | ベルトカバー1              | Belt cover 1                                    | 1                 | 1          | 1          | 1   |
| K443        | M91506004          | フライネジ 15/64(28)×8    | Cross recessed and slotted screw 15/64(28)×8    | 2                 | 2          | 2          | 2   |
| K444        | M91075004          | SW-PW付ナットネジ M4×14    | Cross recessed head screw-SW-PW M4×14           | 1                 | 1          | 1          | 1   |
| K445        | MF01E1776          | ベルトカバー2組             | Belt cover assy. 2                              | 1                 | 1          | 1          | 1   |
| K446        | M91003045          | ナットM4                | Nut M4                                          | 1                 | 1          | 1          | 1   |
| K447        | MF01A1776          | ベルトカバー3              | Belt cover 3                                    | 1                 | 1          | 1          | 1   |
| K448        | MF40E0193          | 糸立て装置組               | Thread stand assy.                              | 1                 | 1          | 1          | 1   |
| K449        | MF01E0193          | 糸巻装置組                | Bobbin winder assy.                             | 1                 | 1          | 1          | 1   |
| K449        | MF03E1193          | 糸巻装置組                | Bobbin winder assy.                             | 1                 | 1          | 1          | 1   |
| K450        | MF60A0734          | 頭部カバー                | Head cover                                      | 1                 | 1          | 1          | 1   |
| K451        | MF00A0608          | ネジ 回シ(大)             | Screw driver (Size L)                           | 1                 | 1          | 1          | 1   |
| K452        | MF70A0578          | 膝上げ押し棒               | Knee lifter lifting rod                         | 1                 | 1          | 1          | 1   |
| K453        | MF20A3691          | オイルパッキン1             | Gasket for oil reservoir 1                      | 1                 | 1          | 1          | 1   |
| K454        | M97001052          | シーリングワッシャー8          | Seal washer 8                                   | 1                 | 1          | 1          | 1   |
| K455        | M92002002          | 平ネジ 5/16(28)×10      | Screw 5/16(28)×10                               | 1                 | 1          | 1          | 1   |
| K456        | MF20A2691          | オイルパッキン2             | Gasket for oil reservoir 2                      | 1                 | 1          | 1          | 1   |
| K457        | MF20A1723          | 膝上げ横軸                | Knee lifter shaft                               | 1                 | 1          | 1          | 1   |
| K458        | MF20A1729          | 膝上げばね                | Knee lifter spring                              | 1                 | 1          | 1          | 1   |
| K459        | MF20A1724          | 膝上げレバ                | Knee lifter                                     | 1                 | 1          | 1          | 1   |
| K460        | M91501045          | ナット 15/64(28)        | Nut 15/64(28)                                   | 2                 | 2          | 2          | 2   |
| K461        | M91520001          | 止ネジ 15/64(28)×27     | Set screw 15/64(28)×27                          | 2                 | 2          | 2          | 2   |
| K462        | M90515065          | E型止輪9                | Retaining ring-E type 9                         | 1                 | 1          | 1          | 1   |
| K463        | MF01A0139          | 油槽                   | Oil reservoir                                   | 1                 | 1          | 1          | 1   |
| K463        | MF01A1139          | 油槽                   | Oil reservoir                                   | 1                 | 1          | 1          | 1   |
| K464        | MF40A0784          | 膝当てギヤ                | Knee lifter coupling joint                      | 1                 | 1          | 1          | 1   |
| K465        | M92001031          | 四角ナット 5/16(18)×13    | Bolt 5/16(18)×13                                | 2                 | 2          | 2          | 2   |
| K466        | MF01A0728          | 膝上げ縦軸                | Knee lifter shaft                               | 1                 | 1          | 1          | 1   |
| K467        | M91510022          | ナット 15/16(28)×8      | Bolt 15/16(28)×8                                | 1                 | 1          | 1          | 1   |
| K468        | MF40A0477          | 膝当てストッパ              | Knee lifter plate stopper                       | 1                 | 1          | 1          | 1   |
| K469        | MF40A0737          | 膝当て                  | Knee lifter plate                               | 1                 | 1          | 1          | 1   |
| K470        | MF40A1737          | 膝当てカバー               | Knee lifter cover                               | 1                 | 1          | 1          | 1   |
| K471        | M91551022          | ナット M6×12            | Bolt M6×12                                      | 1                 | 1          | 1          | 1   |
| K472        | MF20A0131          | 油受け台                 | Oil bottle holder                               | 1                 | 1          | 1          | 1   |
| K473        | M90702050          | 座金φ21                | Washer φ21                                      | 1                 | 1          | 1          | 1   |
| K474        | M90104053          | バネ座金6                | Spring washer 6                                 | 1                 | 1          | 1          | 1   |
| K475        | M91571045          | ナットM6                | Nut M6                                          | 1                 | 1          | 1          | 1   |
| K476        | MF20A0130          | 油ビン                  | Oil bottle                                      | 1                 | 1          | 1          | 1   |
| K477        | MF10E0149          | オイルタンク               | Oil tank                                        | 1                 | 1          | 1          | 1   |
| K478        | MF36A0731          | パイプ                  | Drainage tube                                   | 1                 | 1          | 1          | 1   |
| K479        | M92001047          | 特殊ナット 5/16(28)×10    | Stud screw for oil drainage 5/16(28)×10         | 1                 | 1          | 1          | 1   |
| K480        | MF10A4691          | ガスケット                | Gasket                                          | 1                 | 1          | 1          | 1   |
| K481        | MF10A0187          | 糸取りバネ                | Thread take-up spring                           | 1                 | 1          | 1          | 1   |
| K481        | MF12B0187          | 糸取りバネ                | Thread take-up spring                           | 1                 | 1          | 1          | 1   |
| K482        | MF21D0128          | ミシン針DA×1#11          | Needle DA×1#11                                  | 4                 | 1          | 1          | 1   |
| K482        | MF30E0128          | 針セット                 | Needle Set                                      | 1                 | 1          | 1          | 1   |
| K482        | MF31E0128          | 針セット                 | Needle Set                                      | 1                 | 1          | 1          | 1   |
| K483        | MF41D0123          | ボビン                  | Bobbin                                          | 3                 | 1          | 1          | 1   |
| K483        | MF00A0123          | ボビン                  | Bobbin                                          | 3                 | 1          | 1          | 1   |
| K483        | MF25B0123          | ボビン                  | Bobbin                                          | 3                 | 1          | 1          | 1   |
| K484        | M91109004          | PW付フライネジ 11/64(40)×8 | Cross recessed and slotted screw-PW 11/64(40)×8 | 2                 | 2          | 2          | 2   |
| K485        | M90511050          | 座金5                  | Washer for bolt cover 5                         | 2                 | 2          | 2          | 2   |
| K486        | M90401041          | 丸木ネジ 4.5×20          | Wood screw for belt cover 4.5×20                | 2                 | 2          | 2          | 2   |
| K487        | M91502002          | ヒラネジ 15/64(28)×12    | Screw 15/64(28)×12                              | 1                 | 1          | 1          | 1   |
| K918        | MF01E0776          | ベルトカバー組              | Belt cover assy.                                | 1                 | 1          | 1          | 1   |
| K919        | MF90E0139          | 油槽組                  | Oil reservoir assy.                             | 1                 | 1          | 1          | 1   |
| K919        | MF70E0139          | 油槽組                  | Oil reservoir assy.                             | 1                 | 1          | 1          | 1   |
| K920        | MF01E0727          | 膝当て組                 | Knee lifter assy.                               | 1                 | 1          | 1          | 1   |
| K921        | MF03E0131          | 油受け台セット              | Oil bottle holder assy.                         | 1                 | 1          | 1          | 1   |