

# MITSUBISHI

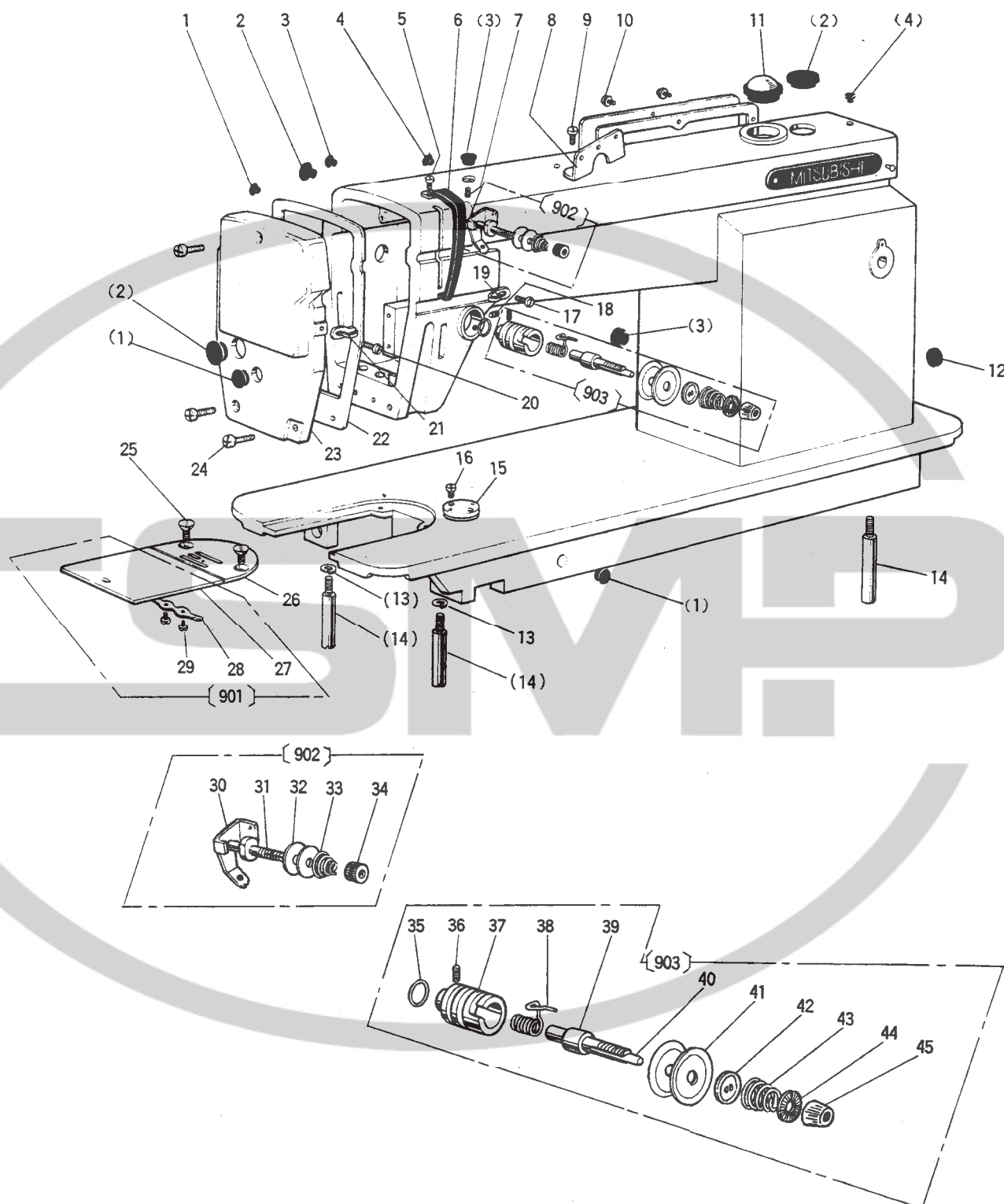
## 三菱工業用ミシン部品カタログ

## Industrial Sewing Machine Parts Catalog

### Model LS2-1180

| 目次                                      | INDEX                                                                               | Page |
|-----------------------------------------|-------------------------------------------------------------------------------------|------|
| <b>A</b> 本体関係                           | Arm bed & it's accessories .....                                                    | 2    |
| <b>B</b> 縫い機構 (I)                       | Sewing mechanism (I) .....                                                          | 4    |
| <b>C</b> 縫い機構 (II) および水平送り軸、<br>上下送り軸機構 | Sewing mechanism (II) & Feed rock shaft, feed lifting<br>rock shaft mechanism ..... | 6    |
| <b>D</b> 送り調節機構                         | Stitch length regulator mechanism .....                                             | 8    |
| <b>E</b> 押え機構                           | Presser foot mechanism .....                                                        | 10   |
| <b>F</b> 糸切り機構                          | Knife actuating mechanism .....                                                     | 12   |
| <b>G</b> タッチバック機構<br>および検出器機構           | Touch back mechanism & Detector mechanism .....                                     | 14   |
| <b>H</b> ワイパー機構                         | Wiper mechanism .....                                                               | 16   |
| <b>J</b> 給油機構                           | Oil lubrication mechanism .....                                                     | 18   |
| <b>K</b> 付属品                            | Accessories .....                                                                   | 20   |
| <b>L</b> 索引                             | Index .....                                                                         | 22   |

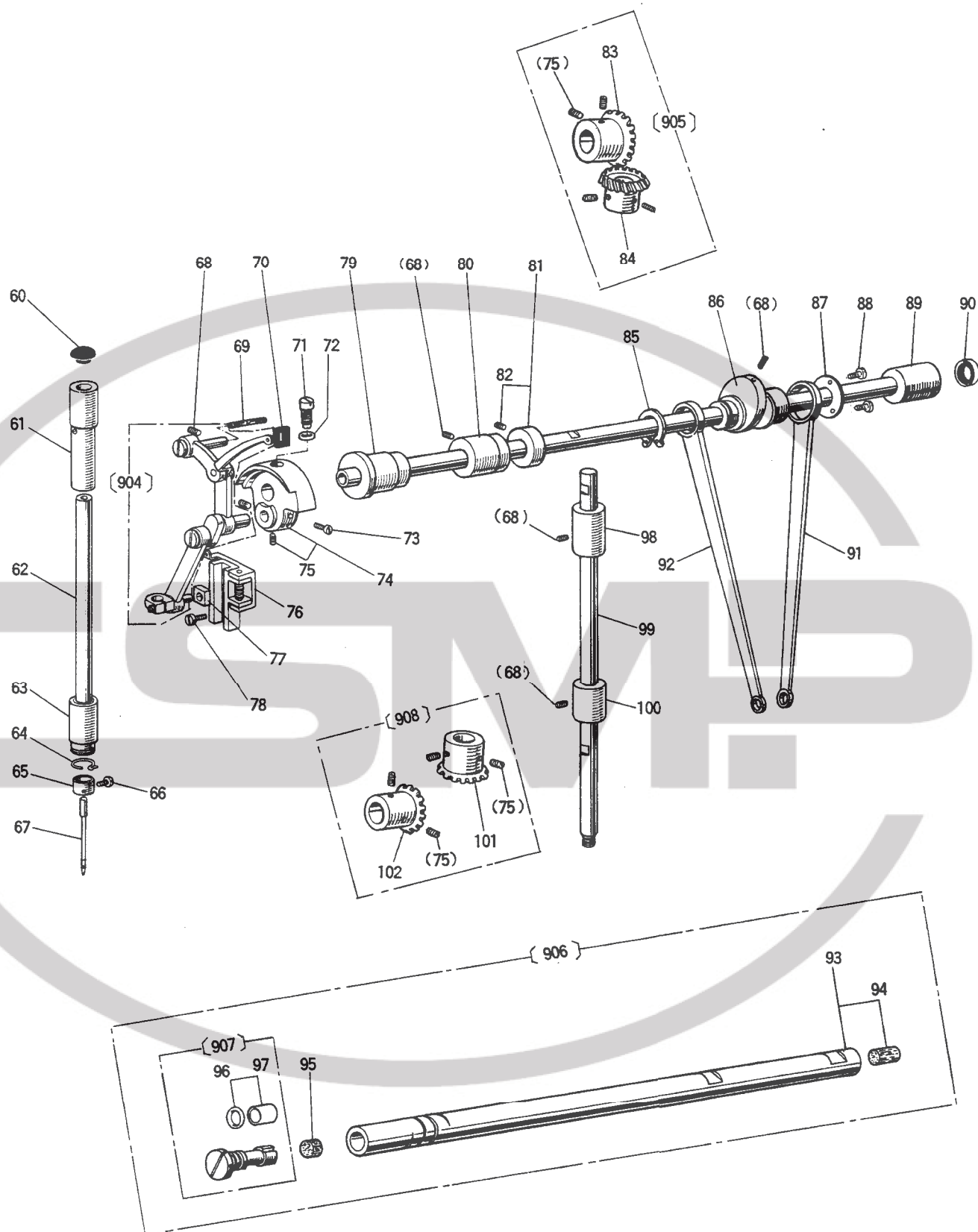
**A 本体関係**  
**ARM BED & IT'S ACCESSORIES**



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

| 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 |
| 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           | バネ座金6                | Spring washer 6                               | 2                 | 2       | 2       | 2   |
| A14         | MF10A0151           | 脚                    | Leg                                           | 3                 | 3       | 3       | 3   |
| A15         | MF01A0601           | 定規取付板                | 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         | MN11A0556           | 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           | 回り止メ(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)**



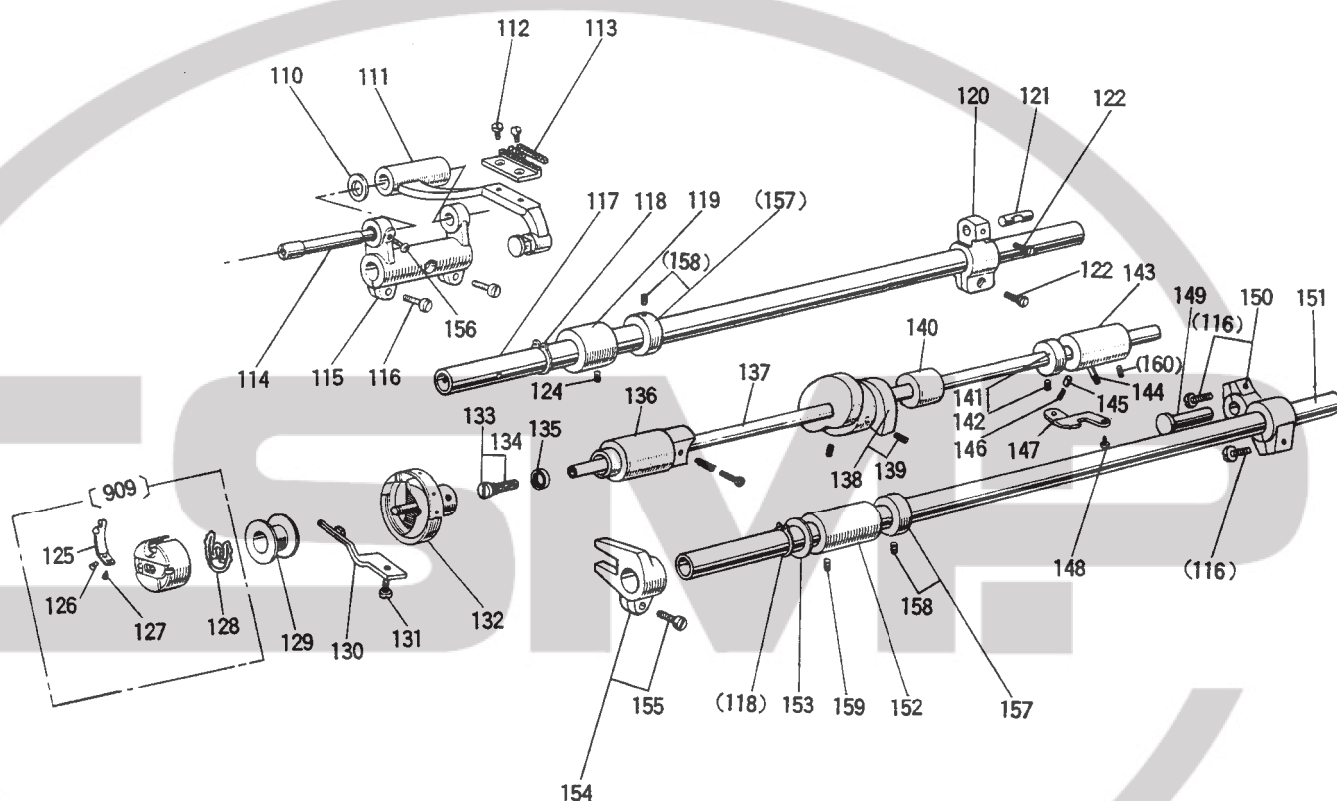
# B 縫い機構 (I)

## 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. |         |         |     |
|-------------|---------------------|--------------------|----------------------------------------------|-------------------|---------|---------|-----|
|             |                     |                    |                                              | LIT (M)           | MIT (M) | HIT (M) | BIT |
| B60         | M90883080           | ゴム栓φ8.8            | Rubber plug φ8.8                             | 1                 | 1       | 1       | 1   |
| B61         | MF70A0663           | 針棒マルチ上             | Needle bar busing (upper)                    | 1                 | 1       | 1       | 1   |
| B62         | MF05A0660           | 針棒                 | Needle bar                                   | —                 | 1       | —       | —   |
| B62         | MF01A0660           | 針棒                 | Needle bar                                   | 1                 | —       | —       | —   |
| B62         | MF82A0660           | 針棒                 | Needle bar                                   | —                 | —       | 1       | —   |
| B62         | MF83A0660           | 針棒                 | Needle bar                                   | —                 | —       | —       | 1   |
| B63         | MF01A0664           | 針棒マルチ下             | Needle bar busing (lower)                    | 1                 | 1       | 1       | —   |
| B63         | MF03A0664           | 針棒マルチ下             | Needle bar busing (lower)                    | —                 | —       | —       | 1   |
| B64         | MF01A0181           | 糸案内(針棒マルチ下)        | Thread guide                                 | 1                 | 1       | 1       | 1   |
| B65         | MF05A0181           | 糸案内(針棒)            | Thread guide                                 | 1                 | 1       | —       | —   |
| B65         | MF80A1181           | 糸案内(針棒)            | Thread guide                                 | —                 | —       | 1       | 1   |
| B66         | M90815002           | 頭付止メネジ 1/8(44)×4.5 | Slotted flat head set screw 1/8(44)×4.5      | 1                 | 1       | 1       | 1   |
| B67         | MF21D0128           | シン針DA×1#11         | Needle DA×1#11                               | 1                 | —       | —       | —   |
| B67         | MF70A0128           | シン針DB×1-2#14       | Needle DB×1-2#14                             | —                 | 1       | —       | —   |
| B67         | MF83A0128           | シン針DB×1#22         | Needle DB×1#22                               | —                 | —       | 1       | 1   |
| B68         | M91513001           | 止メネジ 15/64(28)×9.5 | Set screw 15/64(28)×9.5                      | 6                 | 6       | 6       | 6   |
| B69         | MF01A0740           | フェルト               | Felt                                         | 1                 | 1       | 1       | 1   |
| B70         | MF01A0417           | 油防キャップ             | Oil shield cap                               | 1                 | 1       | —       | —   |
| B70         | MF03A0417           | 油防キャップ             | Oil shield cap                               | —                 | —       | 1       | 1   |
| B71         | M91802006           | 棒先平ネジ 9/32(28)×14  | Screw 9/32(28)×14                            | 1                 | 1       | 1       | 1   |
| B72         | M90700085           | Oリング 1AP7          | O-ring 1AP7                                  | 1                 | 1       | 1       | 1   |
| B73         | M91801002           | 平ネジ 9/32(28)×13    | Screw 9/32(28)×13                            | 1                 | 1       | 1       | 1   |
| B74         | MF01E0383           | クランクネジ付            | Crank with screw                             | 1                 | —       | —       | —   |
| B74         | MF01E1383           | クランクネジ付            | Crank with screw                             | —                 | 1       | —       | —   |
| B74         | MF03E0383           | クランクネジ付            | Crank with screw                             | —                 | —       | 1       | 1   |
| B75         | M91606001           | 止メネジ 1/4(40)×6     | Set screw 1/4(40)×6                          | 10                | 10      | 10      | 10  |
| B76         | MF90E0662           | 針棒クランクガイド組         | Needle bar connecting link guide assy.       | 1                 | 1       | 1       | 1   |
| B77         | MF10A0325           | 角駒                 | Slide block                                  | 1                 | 1       | 1       | 1   |
| B78         | M91106004           | ブレイクネジ 11/64(40)×8 | Cross recessed and slotted screw 11/64(40)×8 | 2                 | 2       | 2       | 2   |
| B79         | MF01A0232           | 上軸マルチ左             | Upper shaft bushing (left)                   | 1                 | 1       | 1       | 1   |
| B80         | MF05A0234           | 上軸マルチ中             | Upper shaft bushing (middle)                 | 1                 | 1       | 1       | 1   |
| B81         | MF80A0352           | カラーネジ付             | Thrust collar with screw                     | 1                 | 1       | 1       | 1   |
| B82         | M91602001           | 止メネジ 1/4(40)×4     | Set screw 1/4(40)×4                          | 2                 | 2       | 2       | 2   |
| B83         | .....               | 上軸ギヤ               | Upper shaft gear                             | 1                 | 1       | 1       | 1   |
| B84         | .....               | 縦軸ギヤ上              | Vertical shaft gear (upper)                  | 1                 | 1       | 1       | 1   |
| B85         | M90320065           | C型止メ輪軸用20          | Retaining ring-C type 20                     | 1                 | 1       | 1       | 1   |
| B86         | MF00A1492           | 偏心輪                | Feed drive eccentric cam                     | 1                 | 1       | —       | —   |
| B86         | MF02A1492           | 偏心輪                | Feed drive eccentric cam                     | —                 | —       | 1       | 1   |
| B87         | MF00A1476           | スラスト座金 φ36         | Thrust collar φ36                            | 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   |
| B89         | MF01A0233           | 上軸マルチ右             | Upper shaft bushing (right)                  | 1                 | 1       | 1       | 1   |
| B90         | M91472086           | オイルシール             | Oil seal                                     | 1                 | 1       | 1       | 1   |
| B91         | MF00A1386           | 水平送リロッド            | Connecting rod for feed cam                  | 1                 | 1       | 1       | 1   |
| B92         | MF70A0384           | 上下送リロッド            | Connecting rod for feed cam                  | 1                 | 1       | 1       | 1   |
| B93         | MF01E0230           | 上軸                 | Upper shaft                                  | 1                 | 1       | 1       | 1   |
| B94         | .....               | ゴム栓                | Rubber plug                                  | 1                 | 1       | 1       | 1   |
| B95         | MF01A1740           | フェルト               | Felt                                         | 1                 | 1       | 1       | 1   |
| B96         | M90402085           | Oリング S4            | O-ring S4                                    | 1                 | 1       | 1       | 1   |
| B97         | .....               | ゴムブッシング            | Rubber bushing                               | 1                 | 1       | 1       | 1   |
| B98         | MF00A0521           | 縦軸マルチ上             | Vertical shaft bushing (upper)               | 1                 | 1       | 1       | 1   |
| B99         | MF10A0520           | 縦軸                 | Vertical shaft                               | 1                 | 1       | 1       | 1   |
| B100        | MF70A0522           | 縦軸マルチ下             | Vertical shaft bushing (lower)               | 1                 | 1       | 1       | —   |
| B100        | MF74B0522           | 縦軸マルチ下             | Vertical shaft bushing (lower)               | —                 | —       | —       | 1   |
| B101        | .....               | 縦軸ギヤ下              | Vertical shaft gear (lower)                  | 1                 | 1       | 1       | 1   |
| B102        | .....               | 下軸ギヤ               | Lower shaft gear                             | 1                 | 1       | 1       | 1   |
| B904        | MF01E0580           | 天秤針棒クランク組          | Thread take-up lever assy.                   | 1                 | —       | —       | —   |
| B904        | MF01E1580           | 天秤針棒クランク組          | Thread take-up lever assy.                   | —                 | 1       | —       | —   |
| B904        | MF01E2580           | 天秤針棒クランク組          | Thread take-up lever assy.                   | —                 | —       | 1       | —   |
| B904        | MF03E0580           | 天秤針棒クランク組          | Thread take-up lever assy.                   | —                 | —       | —       | 1   |
| B905        | MF01E0331           | 斜歯車上組              | Bevel gear upper assy.                       | 1                 | 1       | 1       | 1   |
| B906        | MF01E1230           | 上軸組立               | Upper shaft assy.                            | 1                 | 1       | 1       | 1   |
| B907        | M97006060           | 油量調節ピン組            | Oil amount adjusting pin assy.               | 1                 | 1       | 1       | 1   |
| B908        | MF01E0332           | 斜歯車下組              | Bevel gear lower assy.                       | 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



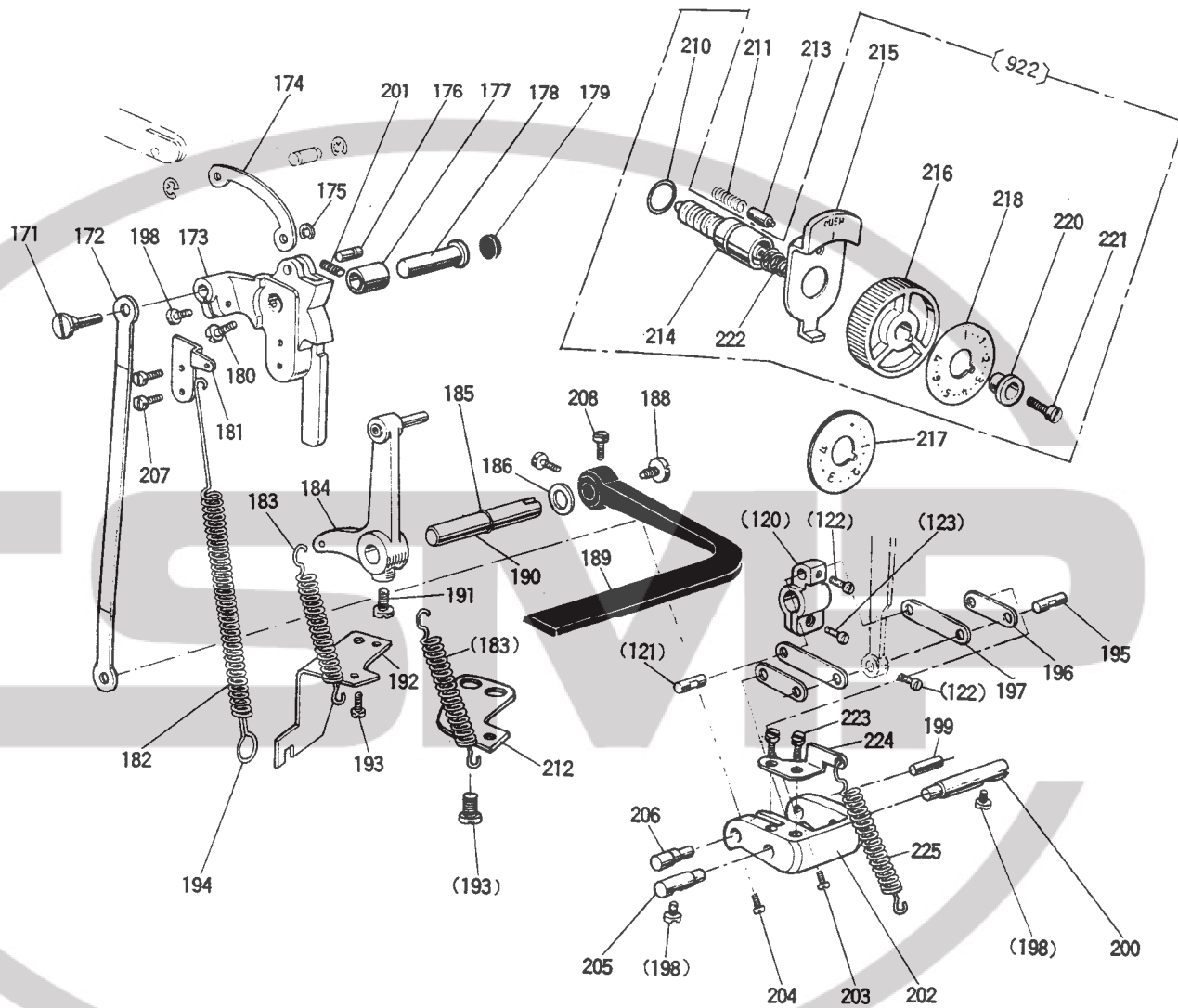
# ② 縫い機構(Ⅱ)および水平送り軸, 上下送り軸機構

## 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   | —  | —  |
| 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           | 内釜止                     | Hook positioner                                | 1                 | 1   | —  | —  |
| C130        | MF17B0229           | 内釜止                     | Hook positioner                                | —                 | —   | 1  | —  |
| C130        | MF20A0229           | 内釜止                     | 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  | —  |
| 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           | コネクト軸                   | 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           | ブラインドネジ 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



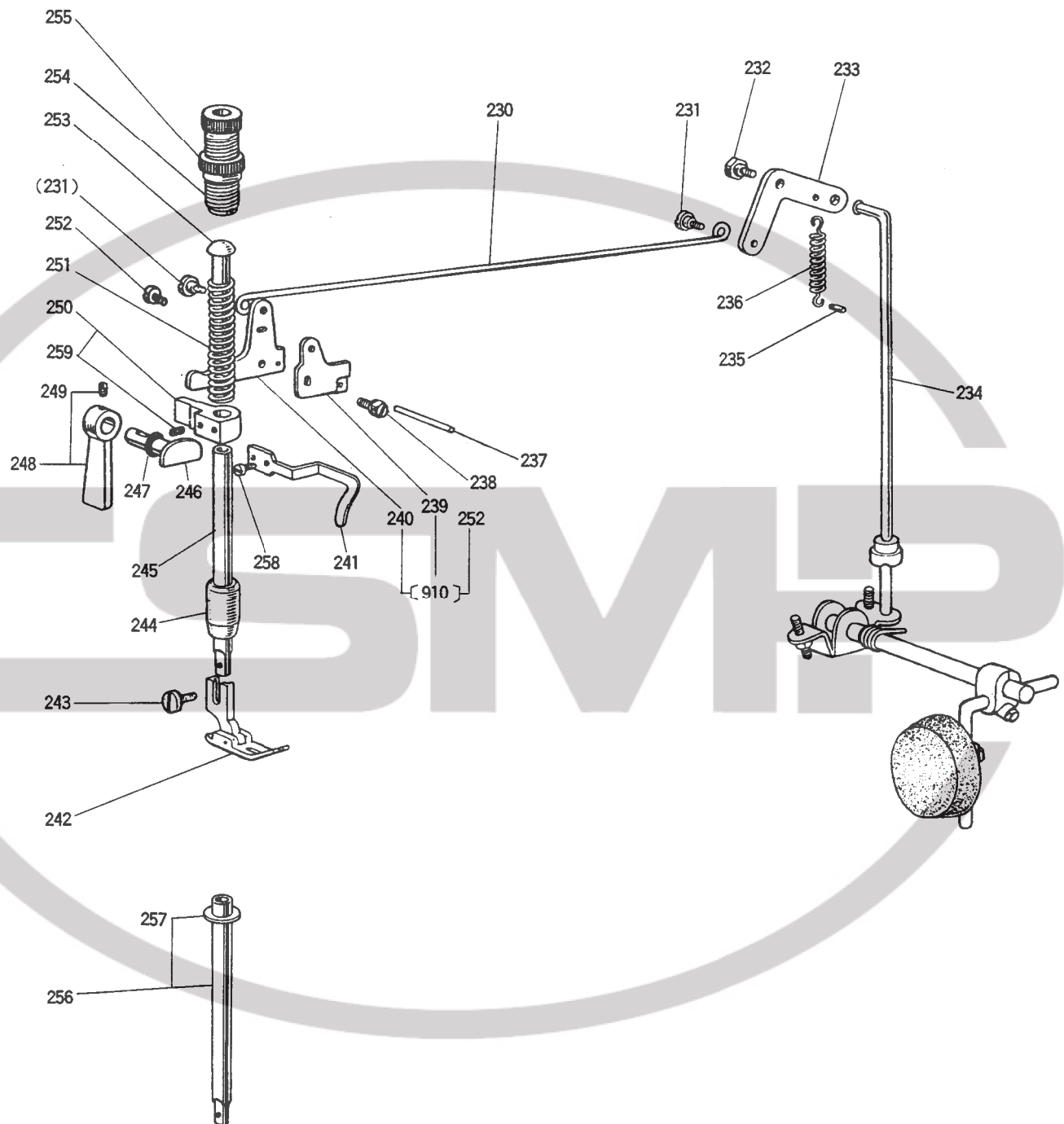


# □ 送り調節機構

## 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           | 返し送りロッド                  | Feed rock regulator connecting rod              | 1                 | 1       | 1       | 1   |
| D173        | MF00A1152           | 送り調節カム                   | Feed regulator                                  | 1                 | 1       | —       | —   |
| D173        | MF02A1152           | 送り調節カム                   | 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           | カム付軸                     | 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           | 掛け金                      | 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           | 掛け金                      | 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           | 掛け金                      | 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           | 掛け金                      | Spring holder                                   | 1                 | 1       | —       | —   |
| D213        | MF00A0852           | 位置決めピン                   | Stopper pin                                     | 1                 | 1       | 1       | 1   |
| D214        | MF85A0640           | 送り調節棒                    | 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           | 押込金                      | 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           | 掛け金                      | Spring holder                                   | 1                 | 1       | —       | —   |
| D225        | MF00A6572           | コイルバネ                    | Coil spring                                     | 1                 | 1       | —       | —   |
| D922        | MF01E0640           | 送り調節棒組                   | Screw bar assy.                                 | 1                 | 1       | —       | —   |
| D922        | MF03E0640           | 送り調節棒組                   | Screw bar assy.                                 | —                 | —       | 1       | 1   |

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

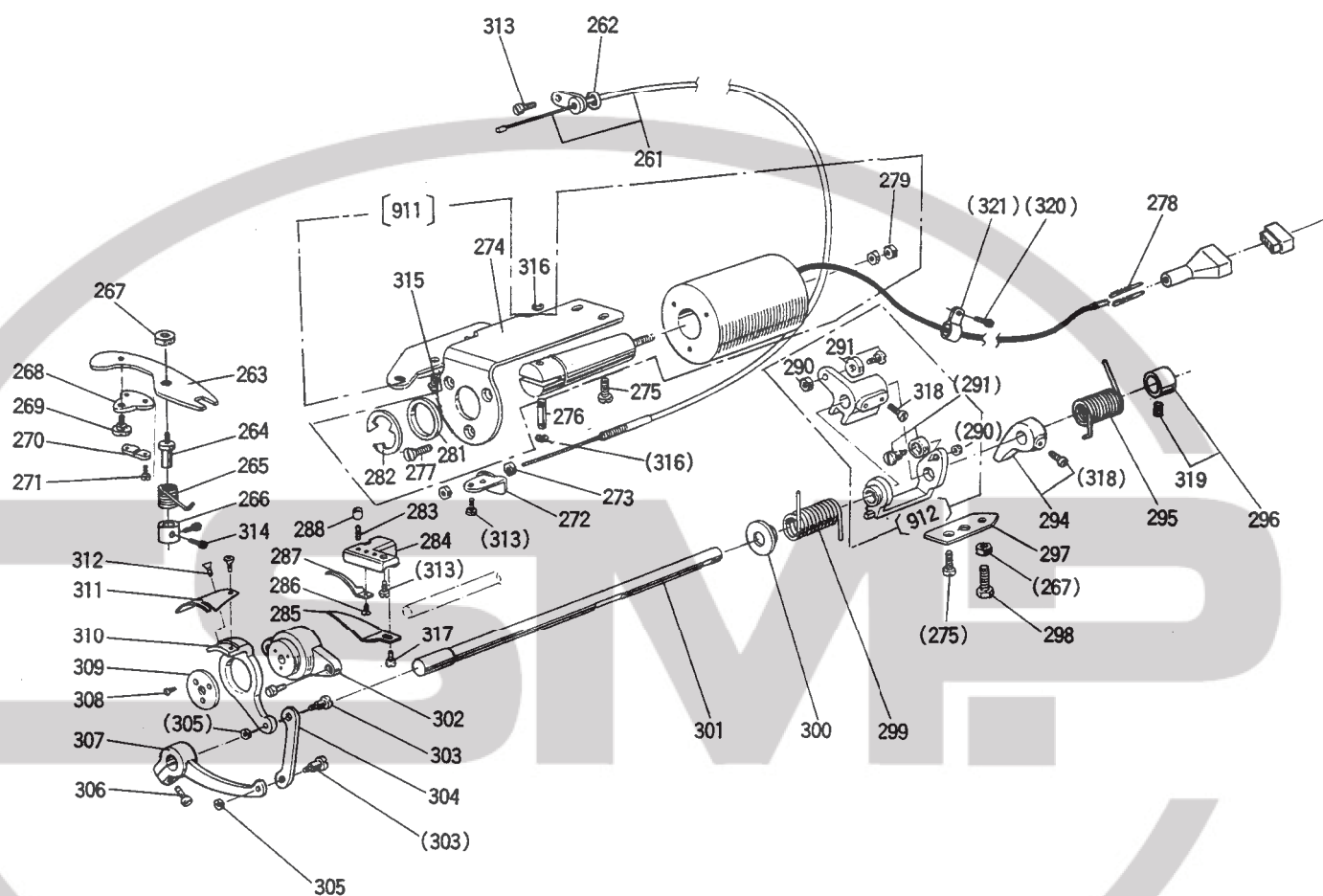


# E 押え機構

## 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 (個)           | MIT (個) | HIT (個) | BIT |
| E230        | MF70A0738           | 引上げ棒                | 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        |                     | バネ掛け金               | Spring hook                                  | 1                 | 1       | 1       | 1   |
| E236        | MF70A0572           | コイルバネ               | Spring for knee lifter lever                 | 1                 | 1       | 1       | 1   |
| E237        | M90423060           | 糸繰り出し金              | 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        |                     | 糸繰り出しカム             | 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           | 押え組                 | Presser foot assy.                           | 1                 | 1       | —       | —   |
| E242        | MF12B0105           | 押え組                 | Presser foot assy.                           | —                 | —       | 1       | —   |
| E242        | MF68B0105           | 押え組                 | Presser foot assy.                           | —                 | —       | —       | 1   |
| E243        | M90939002           | 平ネジ 9/64(40)×11     | Screw 9/64(40)×11                            | 1                 | 1       | 1       | 1   |
| E244        | MF00A0267           | 押え棒メス               | Bushing for presser bar                      | 1                 | 1       | 1       | 1   |
| E245        | MF11D0262           | 押え棒                 | Presser bar                                  | —                 | 1       | 1       | 1   |
| E246        | MF01E0253           | 押え上げカムリング付          | 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           | 押え上げネジ付             | 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           | 押え棒ガイドネジ付           | Presser bar guide bracket                    | 1                 | 1       | 1       | 1   |
| E251        | MF10A0259           | 押えバネ                | Presser spring                               | 1                 | —       | —       | —   |
| E251        | MF12B0259           | 押えバネ                | 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           | サムネジ 1/2(28)×49     | Thumb screw 1/2(28)×49                       | 1                 | 1       | 1       | 1   |
| E255        | M93202047           | サムナット 1/2(28)×8     | Thumb nut 1/2(28)×8                          | 1                 | 1       | 1       | 1   |
| E256        | MF01E0262           | 押え棒組                | Presser bar assy.                            | 1                 | —       | —       | —   |
| E257        | M90702065           | GE型止輪 φ11.12        | Retaining ring-GE 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           | 押え上げレバー-左組          | Knee lifter lever (left) assy.               | 1                 | 1       | 1       | 1   |

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



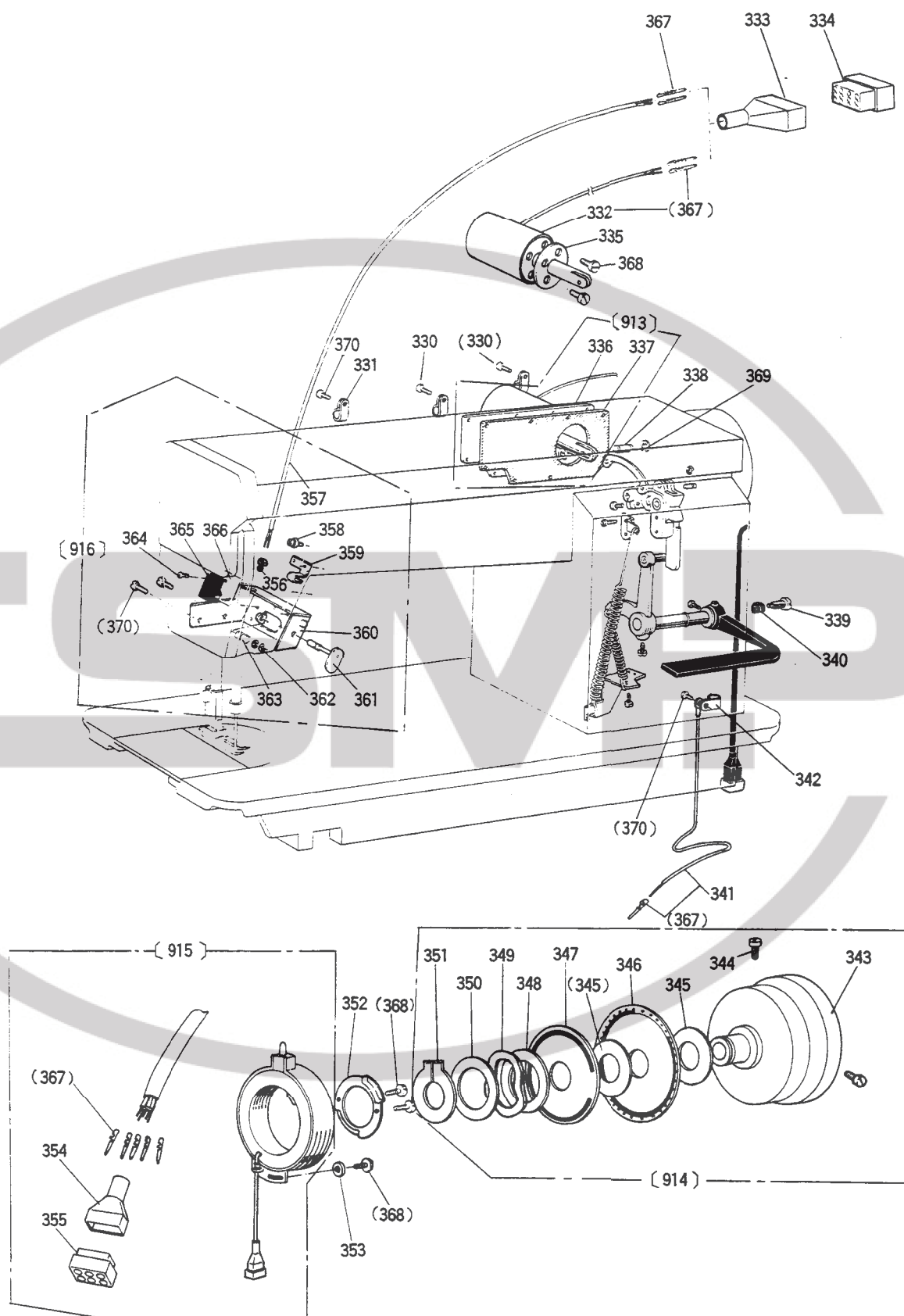
# [F] 糸切り機構

## 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           | ヒレバネ                 | 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           | 固定刃取付台               | Bracket for fixed blade                          | 1                 | 1       | 1       | 1   |
| F285        | MF00A0180           | 糸案内                  | Thread finger                                    | 1                 | 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           | 固定刃                  | Fixed blade                                      | 1                 | 1       | 1       | —   |
| F287        | MF02A0838           | 固定刃                  | 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 フォロワ ークミタテ        | 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           | ヒレバネ                 | 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           | コイルバネ                | Coil spring                                      | 1                 | 1       | 1       | 1   |
| F300        | MF00A0750           | ブッシュ                 | Bushing                                          | 1                 | 1       | 1       | 1   |
| F301        | MF00A5454           | 刃駆動軸                 | Knife driving shaft                              | 1                 | 1       | 1       | —   |
| F301        | MF02A1454           | 刃駆動軸                 | 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           | 刃台左                  | Knife base (left)                                | 1                 | 1       | 1       | —   |
| F310        | MF02A0836           | 刃台左                  | Knife base (left)                                | —                 | —       | —       | 1   |
| F311        | MF00A0834           | 刃左                   | Movable knife (left)                             | 1                 | 1       | 1       | —   |
| F311        | MF02A0834           | 刃左                   | 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 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 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 フォロワ ークミタテ組       | Cam follower crank assy.                         | 1                 | 1       | 1       | 1   |



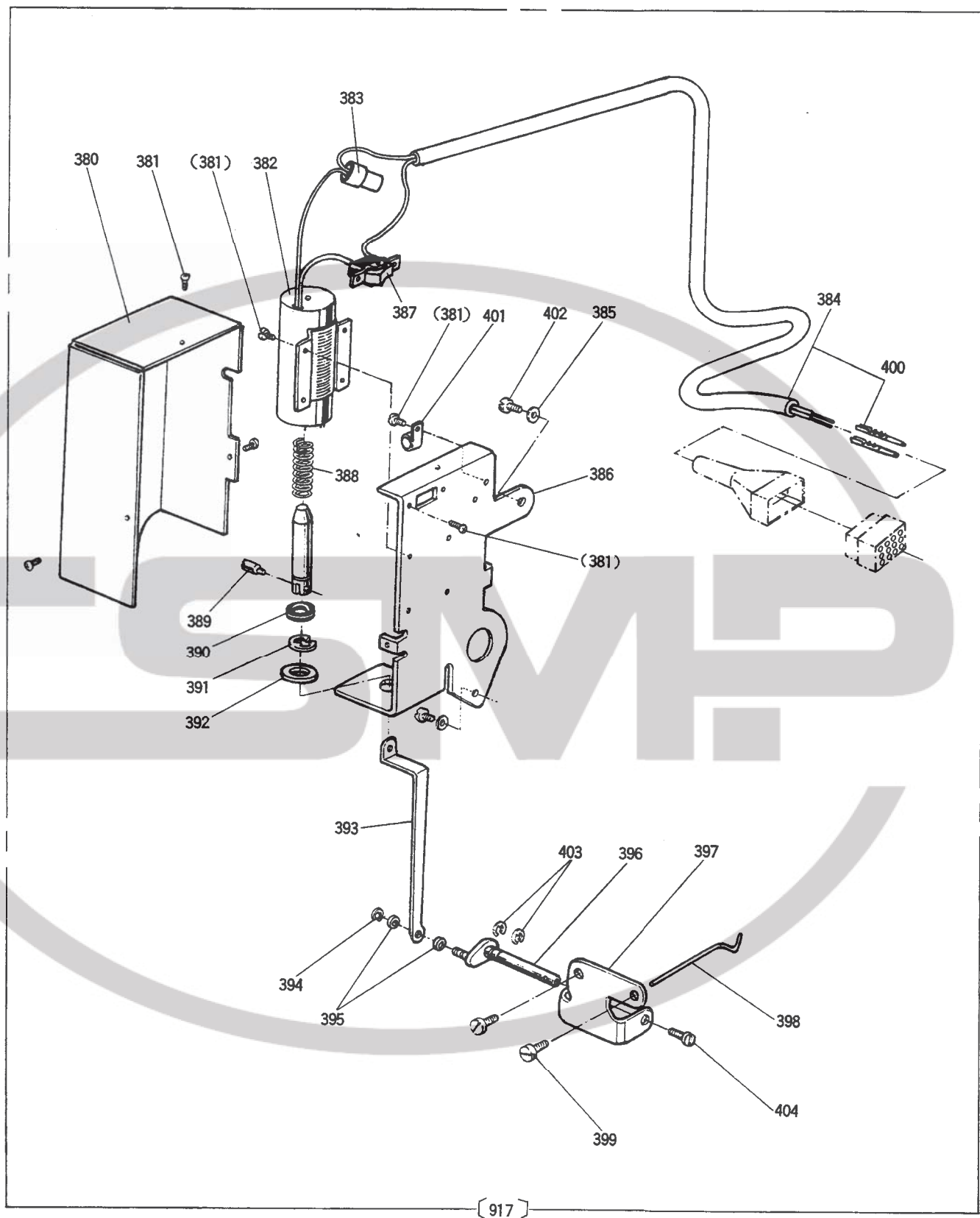
㊦ タッチバック機構および検出器機構  
 TOUCH BACK MECHANISM & DETECTOR MECHANISM



# **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 (個)            | MT (個) | HT (個) | BT |
| G330        | M91111004           | ブラマイネジ 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           | 反射板押エフリンク             | 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P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           | 押しボタン                 | 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           | パイントネジ 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 seat                                  | 1                 | 1      | 1      | 1  |
| G367        | M93003099           | ピンターミナル(オス)           | Terminal pin (Male)                             | 10                | 10     | 10     | 10 |
| G368        | M91106004           | ブラマイネジ 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付ブラマイネジ 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**

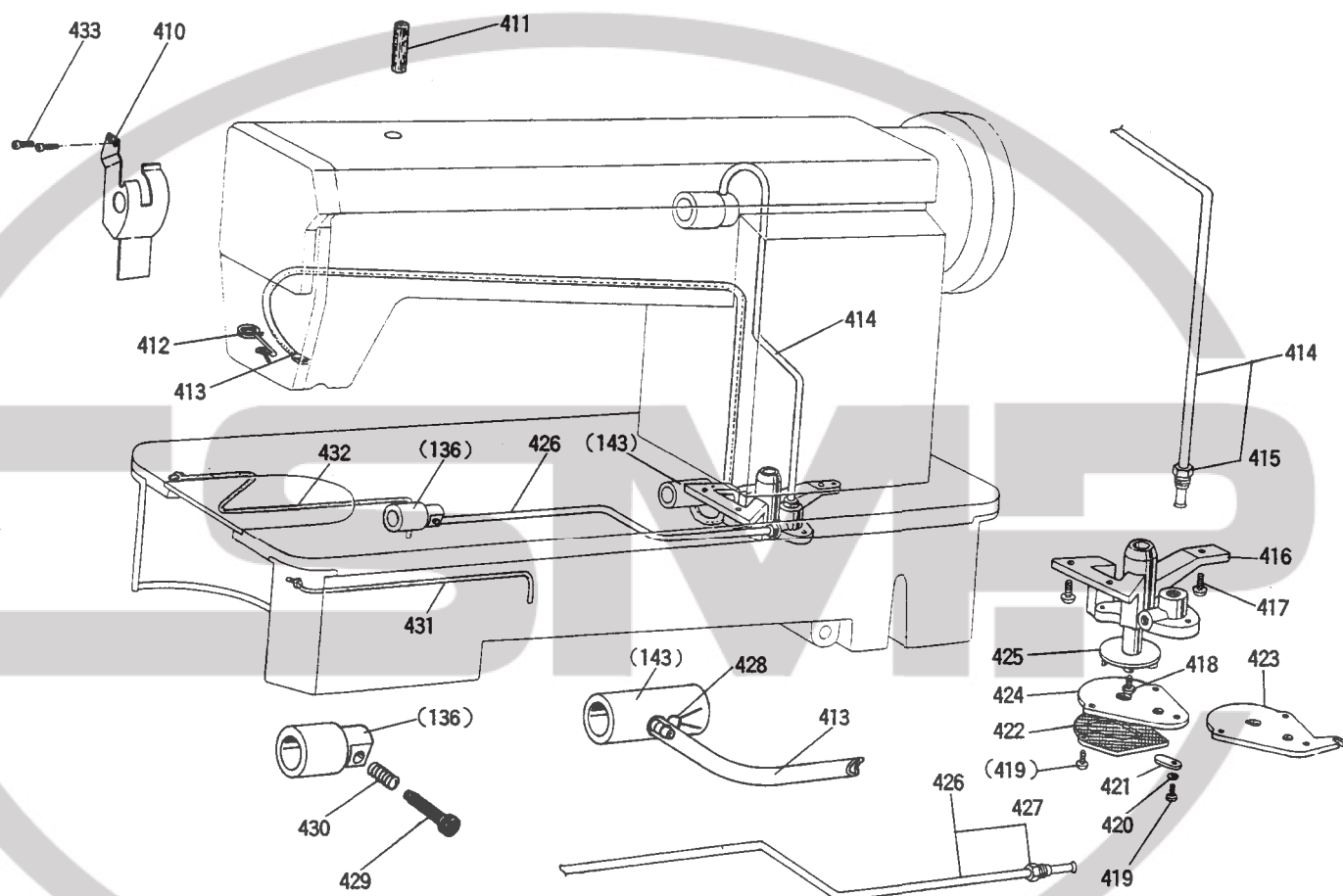


[ 917 ]

# 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. |      |      |     |
|-------------|---------------------|---------------------|----------------------------------------------------|-------------------|------|------|-----|
|             |                     |                     |                                                    | L1TW              | M1TW | H1TW | B1T |
| 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           | コイルバネ               | 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           | ワイパーソウチキメテ          | Wiper device assy.                                 | 1                 | 1    | 1    | —   |

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



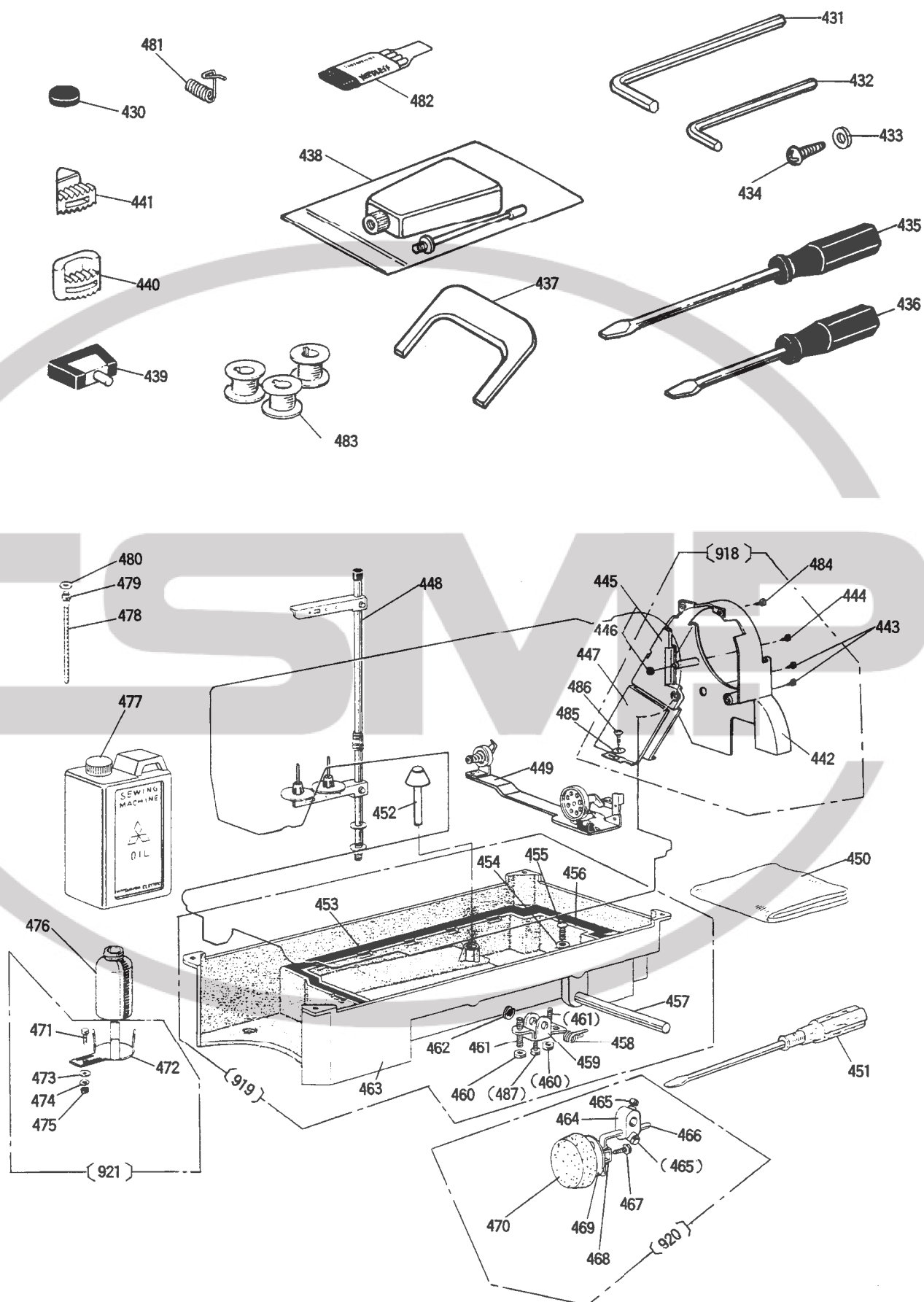


# J 給油機構

## 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           | ホイル                 | 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           | ポンプフィルター            | 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**



# **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               | MIT | HIT | BIT |
| K430        | M90701099           | 集塵マグネット                | Magnet block                                    | 1                 | 1   | 1   | 1   |
| K431        | MS02A2976           | 六角棒スクリュー 3             | Hexagon socket screw key 3                      | 1                 | 1   | 1   | 1   |
| K432        | MF90A2976           | 六角棒スクリュー 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           | 防振ゴム(大)                | Head cushion (large)                            | 2                 | 2   | 2   | 2   |
| K441        | MF01A1419           | 防振ゴム(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           | ブラインドネジ 15/64(28)×8    | Cross recessed and slotted screw 15/64(28)×8    | 2                 | 2   | 2   | 2   |
| K444        | M91075004           | SW-PW付ネジ 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           | 膝上げバネ                  | Knee lifter spring                              | 1                 | 1   | 1   | 1   |
| K459        | MF20A1724           | 膝上げレバー                 | 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           | 膝当てジョイント               | Knee lifter coupling joint                      | 1                 | 1   | 1   | 1   |
| K465        | M92001031           | 四角ボルト 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           | ボルト 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           | ボルト 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           | 特殊ボルト 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                 | 4   | 4   | 4   |
| 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                 | 3   | 3   | 3   |
| K483        | MF00A0123           | ボビン                    | Bobbin                                          | 3                 | 3   | 3   | 3   |
| K483        | MF25B0123           | ボビン                    | Bobbin                                          | 3                 | 3   | 3   | 3   |
| K484        | M91109004           | PW付ブラインドネジ 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   |