# 三菱工業用ミシン部品カタログ

# MITSUBISHI
# Industrial Sewing Machine Parts Catalog

## Model LT2-220MOB
## LT2-220BOB
## LT2-230M1TW
## LT2-230B1T

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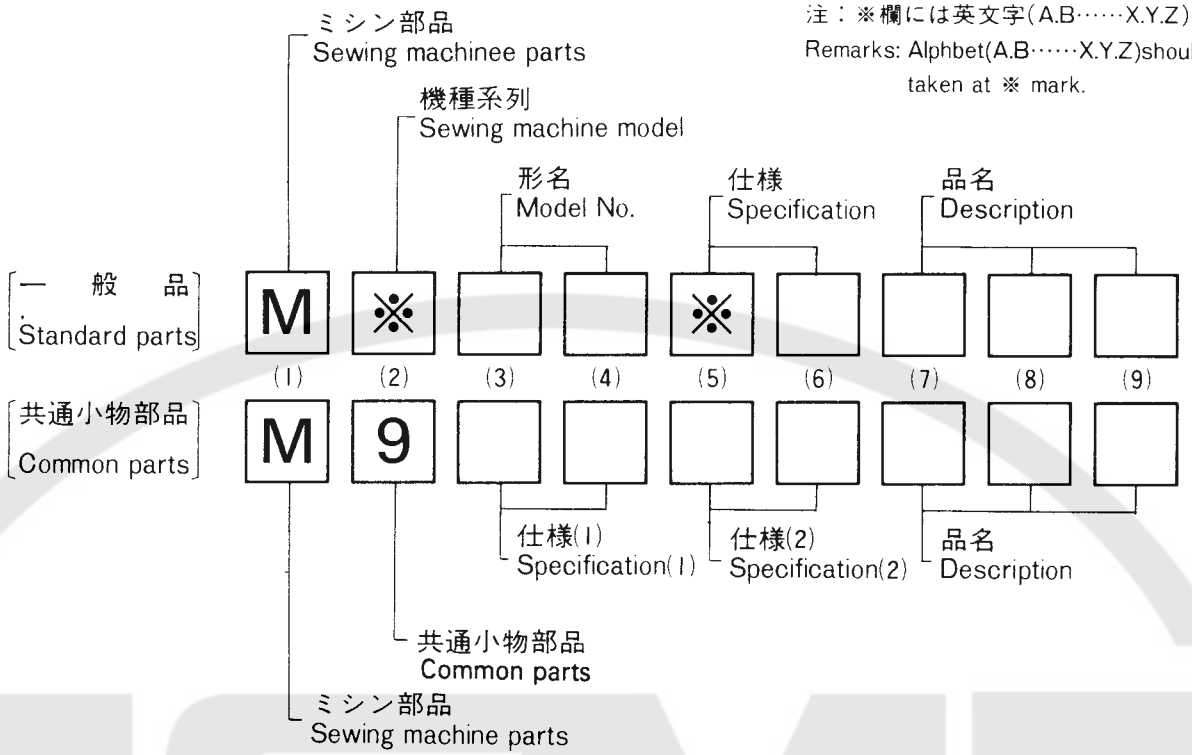
MITSUBISHI ELECTRIC

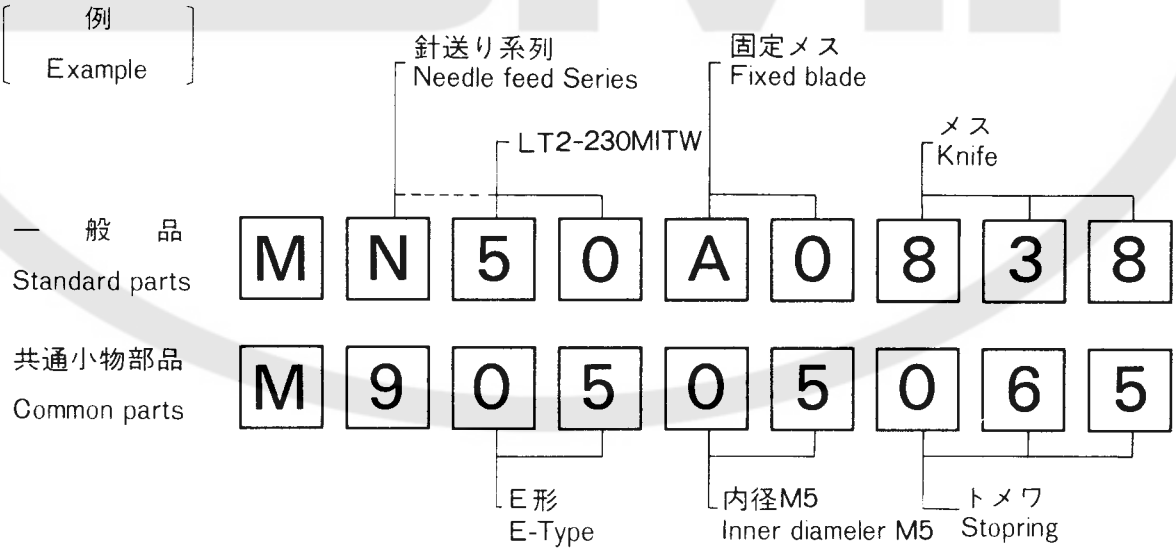
P-115B 198501

# ミシン用部品コード採番基準
# MITSUBISHI SPARE PARTS No.Designation system

注：※欄には英文字(A.B……X.Y.Z)が入る。
Remarks: Alphbet(A.B……X.Y.Z)should be taken at ※ mark.



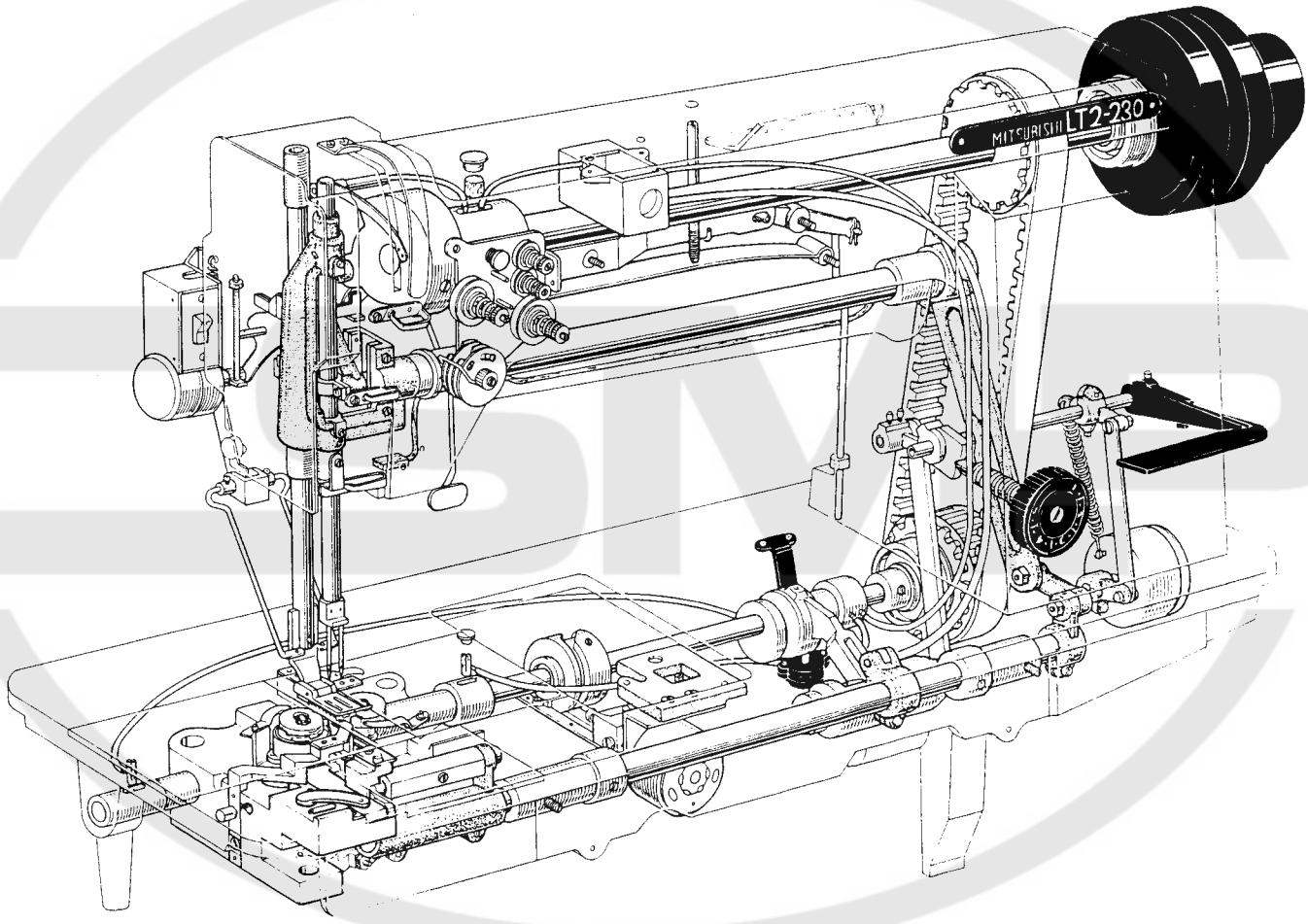

例
Example



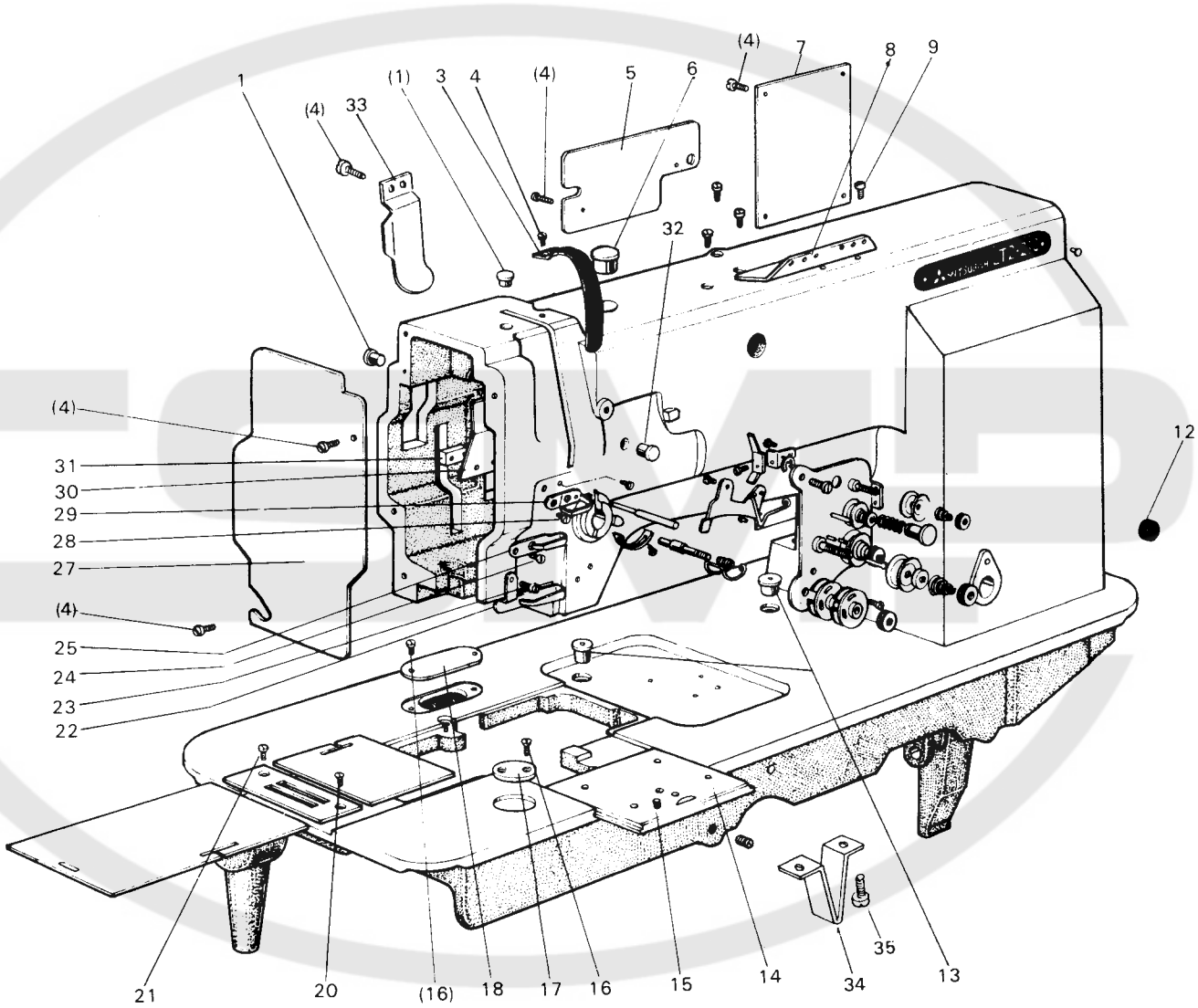

注：一般品についての機種形名は，その部品が最初に使用された機種形名を示します。従って長期に亘る場合は，機種の改廃が行われるため，当初の機種以外の機種で使用されている場合があります。

Sewing machine Models, of Standard Parts are indicated model of these parts are registered firsty. Parts are used for not only the indicated model, but olso another models. in reason of New development, Inprovement after.

## ● 全体構成
## CONSTRUCTION



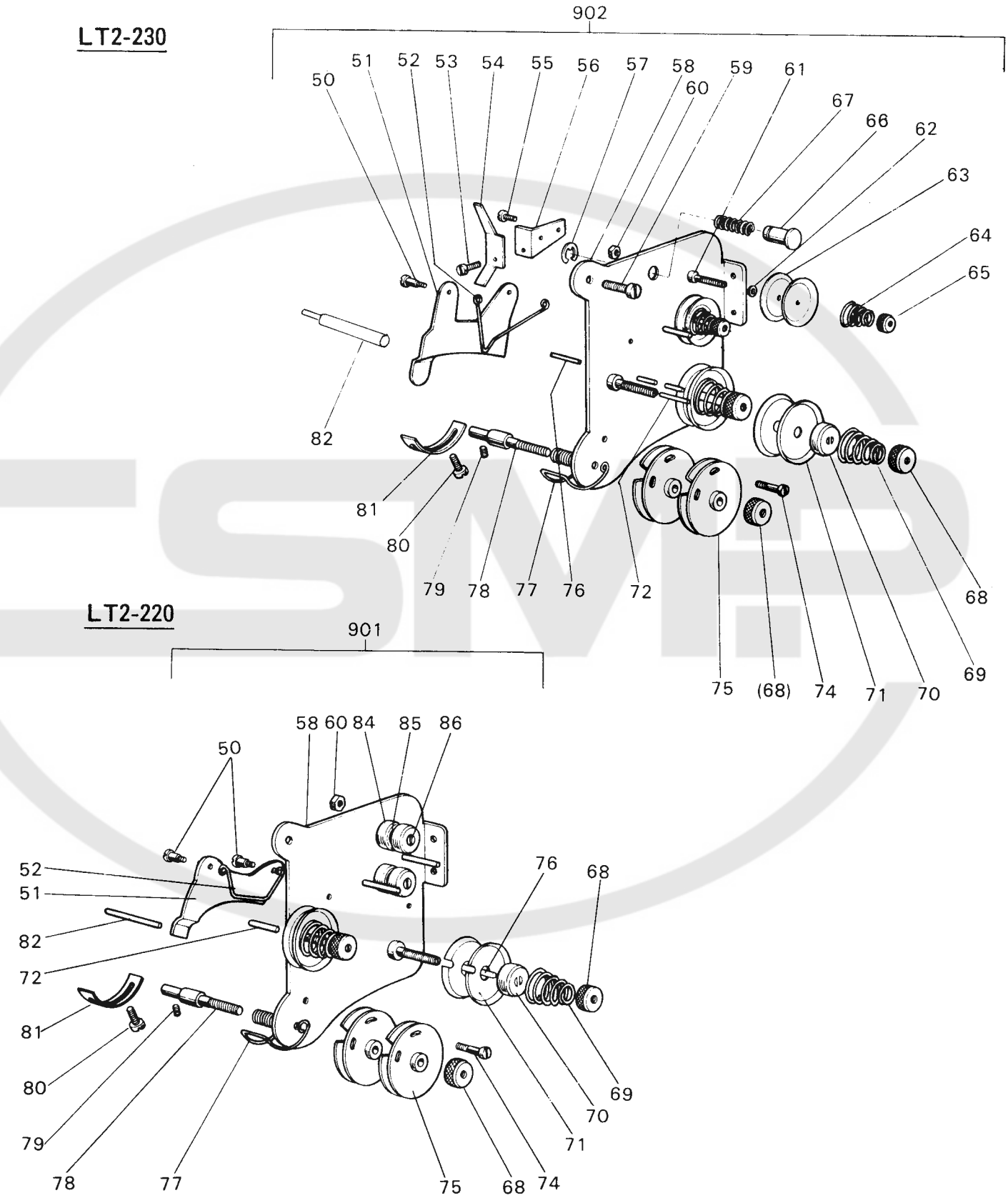
# 1 本体部分
# BODY AND IT'S ACCESSORIES



## 1 本体部分
## BODY AND IT'S ACCESSORIES

| Fig. No. | 部品コード Part.No. | 部品名 | Description | 使用個数 Amt. Req. LT2-220 MOB | LT2-220 BOB | LT2-230 M11W | LT2-230 B1T | 資財コード Ref. No. |
|---|---|---|---|---|---|---|---|---|
| 1 | M9 0880 080 | ゴムセン | φ10.8 | Rubber plug φ10.8 | 3 | 3 | 3 | 3 | W501320-H01 |
| 3 | MN10A0 584 | 天ビンカバー | | Thread take-up cover | 1 | 1 | 1 | 1 | W479316-H01 |
| 4 | M9 1110 002 | 平ネジ | 11/64(40)×8 | Screw 11/64(40)×8 | 11 | 11 | 11 | 11 | W500294-H01 |
| 5 | MN40A0 880 | 横蓋 | | Side cover | 1 | 1 | | | A140D077H03 |
| | MN50A0 880 | 横蓋 | | Side cover | | | 1 | 1 | A140D077H04 |
| 6 | M9 1302 080 | ゴムセン | φ13 | Rubber plug φ13 | 1 | 1 | 1 | 1 | W488504-H02 |
| 7 | MN40A0 237 | 裏蓋 | | Rear cover | 1 | 1 | 1 | 1 | A140D078H01 |
| 8 | MN40A0 180 | 糸案内 | | Thread guide | 1 | 1 | 1 | 1 | A141D143H01 |
| 9 | M9 1116 002 | 平ネジ | 11/64(40)×8 | Screw 11/64(40)×8 | 2 | 2 | 2 | 2 | W501400-H01 |
| 12 | M9 1603 080 | ゴムセン | φ14 | Rubber plug φ14 | 1 | 1 | 1 | 1 | W476428-H01 |
| 13 | MN10A4 742 | 蓋 | (オイルカップ) | Cap | 2 | 2 | 2 | 2 | W462905-H01 |
| 14 | MN40A0 472 | スベリ板 | (組) | Slide plate (front) | 1 | 1 | | | A130C019G01 |
| | MN50A0 472 | スベリ板 | (組) | Slide plate (front) | | | 1 | 1 | A130C078G01 |
| 15 | M9 1301 001 | 止メネジ | 13/64(32)×4.8 | Screw 13/64(32)×4.8 | 1 | 1 | 1 | 1 | W501005-H01 |
| 16 | M9 0916 011 | 皿ネジ | 9/64(40) | Screw 9/64(40) | | | 4 | 4 | A140D550H01 |
| 17 | MN50A5 742 | 蓋 | | Cover | | | 1 | 1 | A141D103H03 |
| 18 | MN50A4 742 | 蓋 | | Cover | | | 1 | 1 | A140D168H01 |
| 20 | M9 1102 011 | 丸皿ネジ | 11/64(40)×8 | Screw 11/64(40)×8 | 1 | 1 | 1 | 1 | W502948-H01 |
| 21 | M9 0951 003 | 丸平ネジ | 9/64(36)×6.5 | Screw 9/64(36)×6.5 | 1 | 1 | 1 | 1 | W501004-H01 |
| 22 | MN10A3 181 | 糸案内 | | Thread guide | 1 | 1 | 1 | 1 | W446710-H01 |
| 23 | M9 0920 002 | 平ネジ | 9/64(40)×6.5 | Screw 9/64(40)×6.5 | 1 | 1 | 1 | 1 | W501523-H01 |
| 24 | M9 0904 011 | 丸皿ネジ | 9/64(40)×6.5 | Screw 9/64(40)×6.5 | 1 | 1 | 1 | 1 | W500147-H01 |
| 25 | MN10A1 181 | 糸案内 | | Thread guide | 1 | 1 | 1 | 1 | W445858-H01 |
| 26 | M9 1101 035 | ツマミネジ | 11/64(40)×8 | Thumb Screw 11/64(40)×8 | 1 | 1 | 1 | 1 | A140D338H01 |
| 27 | MN40A0 830 | 面板 | | Face plate | 1 | 1 | 1 | 1 | A130C061H02 |
| 28 | M9 1201 011 | 丸皿ネジ | 3/16(28)×11 | Screw 3/16(28)×11 | 2 | 2 | 2 | 2 | W500993-H01 |
| 29 | MN10A0 181 | 糸案内 | | Thread guide | 1 | 1 | 1 | 1 | W445857-H01 |
| 30 | MN10A0 131 | 油受ケ | | Oil guard plate | 1 | 1 | 1 | 1 | W445863-H01 |
| 31 | MN10A0 476 | スペーサ | | Spacer | 1 | 1 | 1 | 1 | W445874-H01 |
| 32 | M9 1303 080 | ゴムセン | φ13 | Rubber plug φ13 | 1 | 1 | 1 | 1 | A141D577H01 |
| 33 | MN40A0 339 | カバー | | Cover | 1 | 1 | 1 | 1 | A141D410H01 |
| 34 | MN50A0 426 | 支工 | | Supportor | | | 1 | 1 | A141D142H01 |
| 35 | M9 1601 003 | 丸平ネジ | 1/4(24)×9 | Screw 1/4(24)×9 | | | 2 | 2 | W466240-H01 |

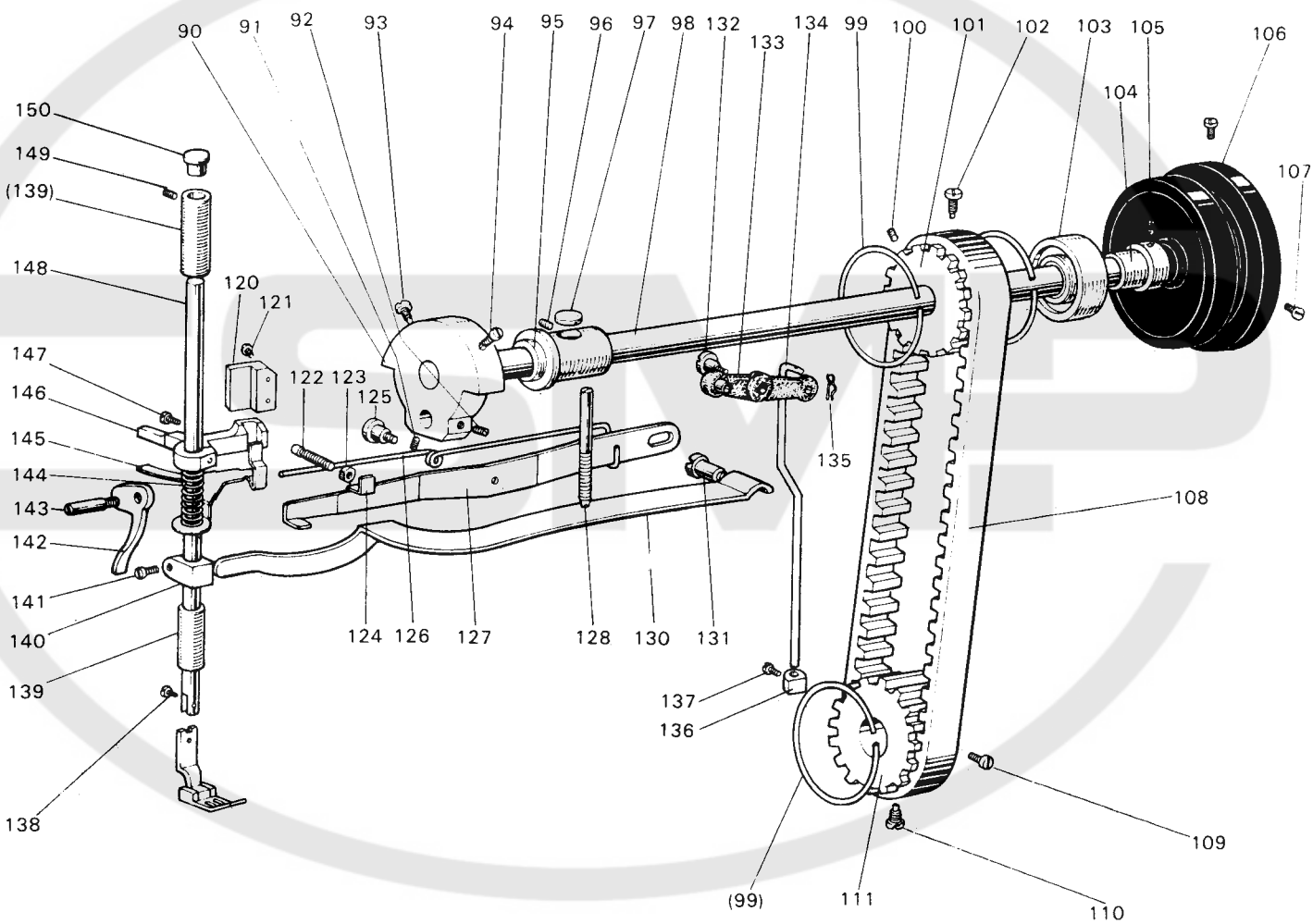
## 2 上糸調節器部分
## THREAD TENSION REGULATOR MECHANISM



## 2 上糸調節器部分
## THREAD TENSION REGULATOR MECHANISM

| Fig. No. | 部品コード Part.No. | 部品名 | Description | 使用個数 Amt. Req. LT2-220 | MOH | LT2-220 | LT2-230 | MITW | LT2-230 | BIT | 資財コード Ref. No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 901 | MN 40E0 210 | 上糸調節器組 | Thread tension regulator completem | 1 | | | | | | | W225101-G05 |
| | MN 42E0 210 | 上糸調節器組 | Thread tension regulator completem | | 1 | | | | | | W225101-G06 |
| 902 | MN 50E1 210 | 上糸調節器組 | Thread tension regulator completem | | | 1 | | | | | A120B194G05 |
| | MN 52E1 210 | 上糸調節器組 | Thread tension regulator completem | | | | | | | 1 | A120B194G06 |
| 50 | M9 0902 015 | 平ネジ段付 9/64(40) | Screw 9/64 ( 40 ) | 2 | 2 | 2 | 2 | | | | W501026-H01 |
| 51 | MN 10A0 220 | 糸ユルメ | Tension releasing plate | 1 | 1 | | | | | | W450020-H01 |
| | MN 50E0 220 | 糸ユルメ | Tension releasing plate | | | 1 | 1 | | | | A141D132G01 |
| 52 | MN 10A0 851 | センサイクバネ | Tension releasing spring | 1 | 1 | 1 | 1 | | | | W502148-H01 |
| 53 | M9 0927 015 | 平ネジ段付 9/64(40)×4.2 | Screw 9/64(40)×4.2 | | | 1 | 1 | | | | A141D135H01 |
| 54 | MN 50A5 950 | レバー | Lever | | | 1 | 1 | | | | A141D133H01 |
| 55 | M9 0906 002 | 平ネジ 9/64(40)×4.5 | Screw 9/64(40)×4.5 | | | 1 | 1 | | | | W500791-H01 |
| 56 | MN 50A6 601 | 取付板 | Mounting plate | | | 1 | 1 | | | | A141D134H02 |
| 57 | M9 0505 065 | E形止メ輪 5 | E-type stopring 5 | | | 1 | 1 | | | | S592411H05 |
| 58 | MN 25E0 601 | 取付板組立 | Mounting plate complete | 1 | 1 | | | | | | W462823-G01 |
| | MN 50E0 601 | 取付板組立 | Mounting plate complete | | | 1 | 1 | | | | W462823-G02 |
| 59 | M9 1110 002 | 平ネジ 11/64(40)×8 | Screw 11/64(40)×8 | 1 | 1 | 1 | 1 | | | | W500294-G01 |
| 60 | M9 0901 045 | ナット 9/64(40) | Nut 9/64(40) | 2 | 2 | | | | | | W500307-H01 |
| | M9 1105 045 | ナット 11/64(40) | Nut 11/64(40) | | | 1 | 1 | | | | W500657-H01 |
| 61 | MF 10A1 553 | 調子棒 | Thread tension stnd | | | 2 | 2 | | | | W502171-H01 |
| 62 | M9 0401 050 | 座金 4 | Washer 4 | | | 1 | 1 | | | | B508956-H01 |
| 63 | MN 50A0 555 | 調子皿 | Thread tension disc | | | 4 | 4 | | | | A140D383H01 |
| 64 | MN 50A1 245 | エンスイバネ | Spring | | | 2 | 2 | | | | A140D382H01 |
| 65 | M9 1609 046 | ツマミナット 1/4(40) | Thumb nut 1/4(40) | | | 2 | 2 | | | | A140D158H01 |
| 66 | MP 41A0 270 | 押シボタン | Push button | | | 1 | 1 | | | | A141D136H01 |
| 67 | MN 50A4 572 | ツル巻バネ | Spring | | | 1 | 1 | | | | A141D137H01 |
| 68 | M9 1603 046 | ツマミナット 1/4(40) | Thumb nut 1/4(40) | 3 | 3 | 3 | 3 | | | | W502940-H01 |
| 69 | MN 10A3 245 | エンスイバネ | Spring | 2 | | 2 | | | | | W461785-H01 |
| | MF 10A0 245 | エンスイバネ | Spring | | 2 | | | | | | W450071-H01 |
| | MN 52A1 245 | エンスイバネ | Spring | | | | | | | 2 | A140D843H01 |
| 70 | MN 10A0 556 | 調子皿押エ | Thread tension releasing disc | 2 | 2 | 2 | 2 | | | | W445934-H01 |
| 71 | MN 10A0 555 | 調子皿 | Thread tension disc | 4 | 4 | 4 | 4 | | | | W445933-H01 |
| 72 | M9 0202 060 | ピン | Pin | 1 | 1 | 1 | 1 | | | | W502064-H01 |
| 74 | M9 0603 003 | 丸平ネジ 3/32(56)×12 | Screw 3/32(56)×12 | 1 | 1 | 1 | 1 | | | | W502062-H01 |
| 75 | MN 10E0 175 | 板組立 | Plate complete | 2 | 2 | 2 | 2 | | | | W462825-G01 |
| 76 | MN 25A0 220 | ピン | Pin | 1 | 1 | 1 | 1 | | | | W462824-H01 |
| 77 | MN 10A0 187 | 糸取りバネ | Thread take-up spring | 1 | 1 | 1 | 1 | | | | W450012-H02 |
| 78 | MN 10A0 554 | 調子軸 | Tension tension stud | 1 | 1 | 1 | 1 | | | | W450011-H01 |
| 79 | M9 1513 001 | 止メネジ 5/64(28)×11 | Screw 5/64(28)×11 | 1 | 1 | 1 | 1 | | | | B509060-H01 |
| 80 | M9 0907 002 | 平ネジ 9/64(40)×5 | Screw 9/64(40)×5 | 1 | 1 | 1 | 1 | | | | W500076-H01 |
| 81 | MN 10A0 447 | ストッパ | Stopper | 1 | 1 | 1 | 1 | | | | W445942-H01 |
| 82 | M9 0514 060 | 糸ユルメピン | Tension releasing Pin | 1 | 1 | | | | | | A140D199H01 |
| | M9 0516 060 | 糸ユルメピン | Tension releasing Pin | | | | | | | 1 | A141D094H01 |
| 84 | MN 10A0 155 | 案内台 | Thread guide bracket | 2 | 2 | | | | | | W502213H01 |
| | MN 10A1 555 | 調子皿 | Thread guide disc | 2 | 2 | | | | | | W502212H01 |
| 86 | M9 0930 016 | 丸平ネジ段付 (組) | Screw | 2 | 2 | | | | | | W462822G01 |

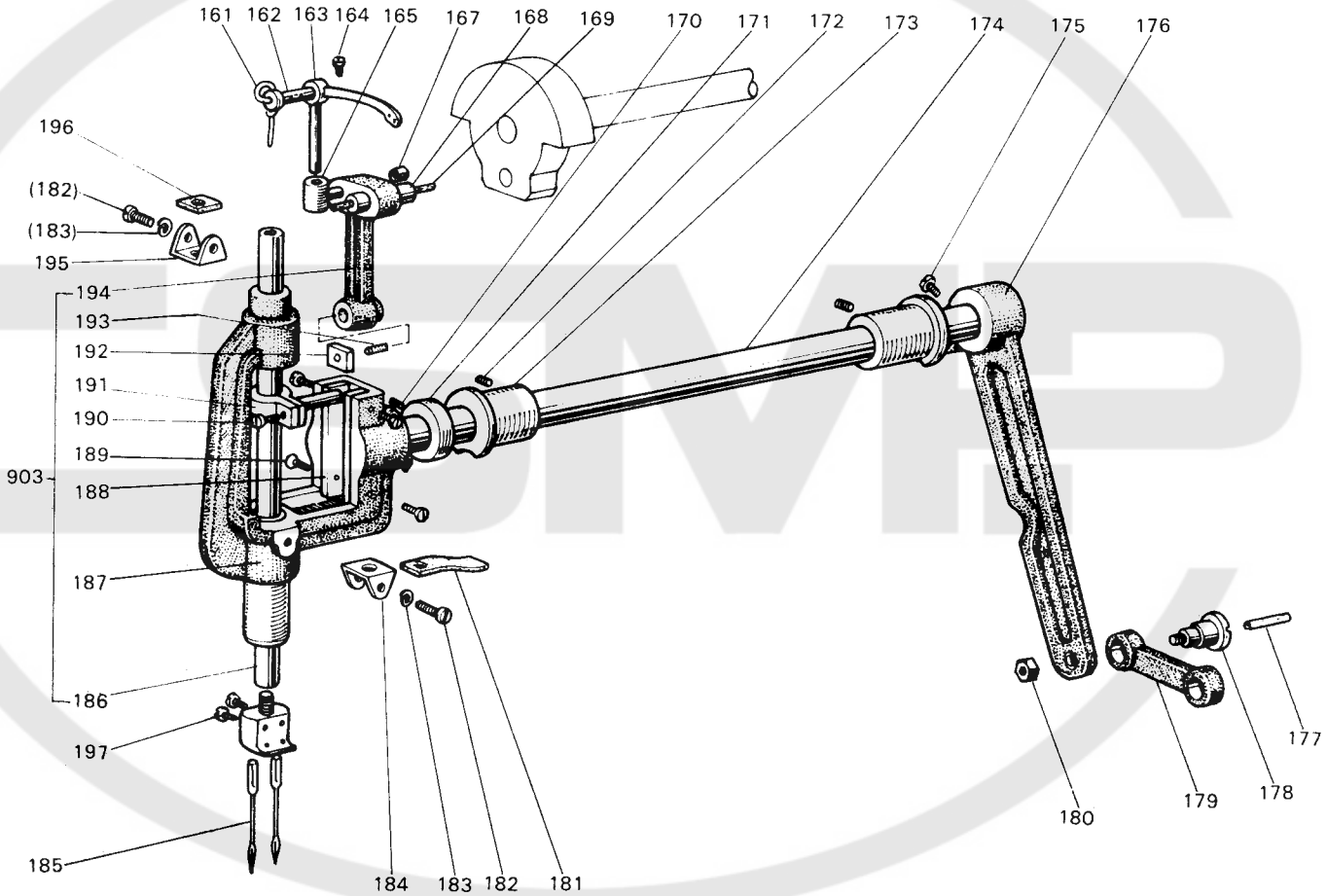
## 3 上軸、押え、ひざ上げ機構
## UPPER SHAFT & PRESSER FOOT MECHANISM



## 3 上軸、押え、ひざ上げ機構
# UPPER SHAFT & PRESSER FOOT MECHANISM

| Fig. No. | 部品コード Part.No. | 部品名 | Description | 使用個数 Amt. Req LT2-220 | MOB LT2-220 | BOB LT2-230 | LT2-W MT2-W | MT2-230 BIT | 資財コード Ref. No. |
|---|---|---|---|---|---|---|---|---|---|
| 90 | ML 65B0 383 | クランク | Crank | 1 | | 1 | | | W464419-H01 |
| | MN 42A0 383 | クランク | Crank | | 1 | | 1 | | W462915-H01 |
| 91 | M9 1602 001 | 止メネジ | ¼(40)×3.5 | Screw ¼(40)×3.5 | 1 | 1 | 1 | 1 | W500036-H01 |
| 92 | M9 1606 001 | 止メネジ | ¼(40)×7 | Screw ¼(40)×7 | 1 | 1 | 1 | 1 | B504016-H01 |
| 93 | M9 1802 006 | 平ネジ棒先 | 9/32(28)×14 | Screw 9/32(28)×14 | 1 | 1 | 1 | 1 | B503851-H01 |
| 94 | M9 1801 002 | 平ネジ | 9/32(28)×13 | Screw 9/32(28)×13 | 1 | 1 | 1 | 1 | W500306-H01 |
| 95 | MN 40A0 231 | 上軸メタル | (左) | Arm shaft bushing (left) | 1 | 1 | 1 | 1 | W481659-H07 |
| 96 | M9 1654 001 | 止メネジ | ¼(24)×13 | Screw ¼(24)×13 | 1 | 1 | 1 | 1 | W501017-H01 |
| 97 | MN 10A6 740 | フェルト | | Felt | 1 | 1 | 1 | 1 | W478164-H01 |
| 98 | MN 40A0 230 | 上軸 | | Arm shaft | 1 | 1 | | | A130C062H03 |
| | MN 50A0 230 | 上軸 | | Arm shaft | | | 1 | 1 | A130C062H04 |
| 99 | MN 10A1 851 | センサイクバネ | | Spring flange | 3 | 3 | 3 | 3 | B411094-H01 |
| 100 | M9 1513 001 | 止メネジ | 5/64(28)×9 | Screw 5/64(28)×9 | 1 | 1 | 1 | 1 | B509060-H01 |
| 101 | MN 40A0 767 | 歯型ベルト車 | (上) | Pully (upper) | 1 | 1 | | | A140D080H01 |
| | MN 50A0 767 | 歯型ベルト車 | (上) | Pully (upper) | | | 1 | 1 | A140D522H01 |
| 102 | M9 1501 007 | 丸平ネジ棒先 | 5/64(28)×14.5 | Screw 5/64(28)×14.5 | 1 | 1 | 1 | 1 | B509256-H01 |
| 103 | MN 10A1 456 | 軸受ケ | | Ball bearing | 1 | 1 | 1 | 1 | W445869-H01 |
| 104 | MN 40A1 750 | ブッシュ | | Bushing | 1 | 1 | 1 | 1 | A140D082H01 |
| 105 | M9 1516 002 | 平ネジ | 5/64(28)×8.5 | Screw 5/64(28)×8.5 | 2 | 2 | 2 | 2 | W502945-H02 |
| 106 | MN 40A0 682 | ハズミ車 | | Balance wheel | 1 | 1 | | | A130C191G02 |
| | MN 50A0 682 | ハズミ車 | | Balance wheel | | | 1 | | A130C191G01 |
| | MN 52A0 682 | ハズミ車 | | Balance wheel | | | | 1 | A130C620G01 |
| 107 | M9 1520 002 | 平ネジ | 5/64(28)×12 | Screw 5/64(28)×12 | 2 | 2 | 2 | 2 | A141D751H01 |
| 108 | MN 10A0 523 | 歯型ベルト | | Cog belt | 1 | 1 | 1 | 1 | P614007X01 |
| 109 | M9 1501 003 | 平ネジ | 5/64(28)×10 | Screw 5/64(28)×10 | 1 | 1 | 1 | 1 | B508963-H01 |
| 110 | M9 1503 007 | 丸平ネジ棒先 | 5/64(28)×10.5 | Screw 5/64(28)×10.5 | 1 | 1 | 1 | 1 | W501212-H01 |
| 111 | MN 10A0 768 | 歯型ベルト車 | (下) | Pulley (lower) | 1 | 1 | | | W447044-H01 |
| | MN 50A0 768 | 歯型ベルト車 | (下) | Pulley (lower) | | | 1 | 1 | A140D523H01 |
| 120 | MN 50A0 265 | 押エ棒ダキガイド | | Guide | 1 | 1 | 1 | 1 | A140D087H01 |
| 121 | M9 1112 002 | 平ネジ | 1/64(40)×12 | Screw 1/64(40)×12 | 2 | 2 | 2 | 2 | W501889-H01 |
| 122 | M9 1657 002 | 平ネジ | ¼(24)×21.9 | Screw ¼(24)×21.9 | 1 | 1 | 1 | 1 | A140D088H01 |
| 123 | M9 1601 045 | ナット | ¼(24) | Nut ¼(24) | 1 | 1 | 1 | 1 | W501989-H01 |
| 124 | MN 50A1 477 | ストッパ | | Stopper | | | 1 | | A140D619H01 |
| 125 | M9 1601 016 | 丸平ネジ段付 | ¼(24)×14 | Screw ¼(24)×14 | 1 | 1 | 1 | 1 | W501020-H01 |
| 126 | MN 10A0 729 | ヒネリバネ | | Twist spring | 1 | 1 | 1 | 1 | W445922-H01 |
| 127 | MN 40A0 725 | ヒザ上ゲレバー | | Knee lifter lifting lever | 1 | 1 | 1 | 1 | A130C068H01 |
| 128 | M9 1601 033 | ピンネジ | ¼(40)×79 | Screw ¼(40)×79 | 1 | 1 | 1 | 1 | W445917-H01 |
| 130 | MN 10A0 258 | イタバネ | | Lever spring | 1 | 1 | 1 | 1 | W319992-H02 |
| 131 | M9 1602 016 | 丸平ネジ段付 | ¼(24)×13 | Screw ¼(24)×13 | 1 | 1 | 1 | 1 | W501006-H01 |
| 132 | M9 1606 016 | 丸平ネジ段付 | ¼(24)×14 | Screw ¼(24)×14 | 1 | 1 | 1 | 1 | A140D092H01 |
| 133 | MN 40E0 724 | ヒザ上ゲ腕 | (組) | Knee lifter lifting lever complete | 1 | 1 | 1 | 1 | A130C081G01 |
| 134 | MN 40A0 511 | 操作棒 | | Operation rod | 1 | 1 | 1 | 1 | A140D093H01 |
| 135 | M9 0601 065 | スナップピン | | Snap pin | 1 | 1 | 1 | 1 | S921N020P06 |
| 136 | MN 10A0 352 | カラー | | Collar | 1 | 1 | 1 | 1 | W445924-H02 |
| 137 | M9 1107 002 | 平ネジ | 1/64(40)×5.5 | Scrlw 1/64(40)×5.5 | 1 | 1 | 1 | 1 | W500092-H01 |
| 138 | M9 0851 015 | 平ネジ段付 | ⅛(44)×9 | Screw ⅛(44)×9 | 1 | 1 | 1 | 1 | W501007-H01 |
| 139 | MP 00B0 267 | 押エ棒メタル | | Bushing | 2 | 2 | 2 | 2 | W445929-H02 |
| 140 | MN 10A0 702 | バネ受ケ | | Spring bracket | 1 | 1 | 1 | 1 | W445921-H01 |
| 141 | M9 0905 002 | 平ネジ | 9/64(40)×8.5 | Screw 9/64(40)×8.5 | 1 | 1 | 1 | 1 | W500470-H01 |
| 142 | MN 10A0 252 | 押エ上ゲレバー | | Lifter lever | 1 | 1 | 1 | 1 | W459307-H01 |
| 143 | M9 1201 033 | ピンネジ | 3/16(28)×24.5 | Screwed pin 3/16(28)×24.5 | 1 | 1 | 1 | 1 | W501024-H01 |
| 144 | MP 00B0 572 | ツルマキバネ | | Spring | 1 | 1 | | | W502465H01 |
| 145 | MN 40A0 221 | 糸ユルメ | | Thread releasing plate | 1 | 1 | | | A130C067H01 |
| 146 | MN 40A0 265 | 押エ棒ダキ | | Bracket | 1 | 1 | 1 | 1 | A130C066H01 |
| 147 | M9 1113 002 | 平ネジ | 1/64(40)×15 | Screw 1/64(40)×15 | 1 | 1 | 1 | 1 | W500182-H01 |
| 148 | MN 10A0 262 | 押エ棒 | | Presser bar | 1 | 1 | 1 | 1 | W445919-H02 |
| 149 | M9 1653 001 | トメネジ | ¼(24)×8 | Screw ¼(24)×8 | 2 | 2 | 2 | 2 | W500478-H01 |
| 150 | M9 0880 080 | ゴム栓 | φ10.8 | Rubber plug φ10.8 | 1 | 1 | 1 | 1 | W501320-H01 |

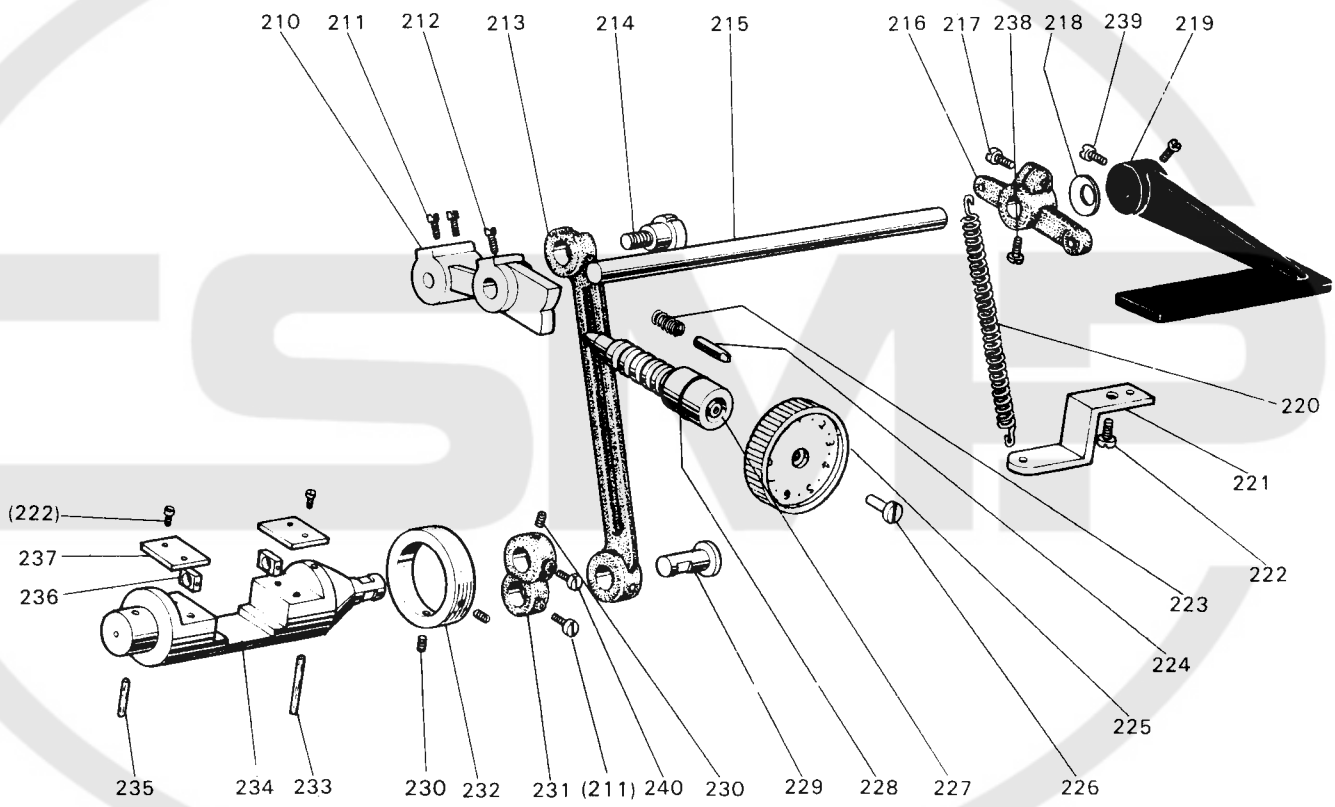
## 4 天秤・針棒揺動機構
## THREAD TAKE-UP LEVER & NEEDLE BAR ROCK MOTION MECHANISM



## ④ 天秤・針棒揺動機構
# THREAD TAKE-UP LEVER & NEEDLE BAR ROCK MOTION MECHANISM

| Fig. No. | 部品コード Part.No. | 部品名 | | Name of Part | 使用個数 Amt. Req. LT2-220 MOB | LT2-220 BOB | LT2-230 M1TW | LT2-230 B1T | 資財コード Ref. No. |
|---|---|---|---|---|---|---|---|---|---|
| 161 | MF 10E2 148 | ヒモ | 2.5φ×240 | Oil wick φ2.5×240 | 1 | 1 | 1 | 1 | W444138H01 |
| 162 | MN 10A0 587 | 支工軸 | | Thread take-up guide bracket pin | 1 | 1 | 1 | 1 | W445883H1 |
| 163 | MN 40A0 582 | 天ビン | | Thread take-up lever | 1 | | 1 | | W445882H02 |
| | MN 12B0 582 | 天ビン | | Thread take-up lever | | 1 | | 1 | W462828H01 |
| 164 | M9 1502 002 | 平ネジ | 5/64(28)×12 | Screw 5/64(28)×12 | 1 | 1 | 1 | 1 | W500509H01 |
| 165 | MN 10A0 588 | スベリガネ | | Thread take-up link | 1 | 1 | 1 | 1 | W445881H02 |
| 167 | MN 10A0 500 | セン | | Plug | 1 | 1 | 1 | 1 | W501275H01 |
| 168 | MN 10A0 387 | 軸 | (クランクピン) | Needle bar crank Pin | 1 | 1 | 1 | 1 | W445866H01 |
| 169 | MN 10E3 148 | ヒモ | | Oil wick | 1 | 1 | 1 | 1 | W500231H01 |
| 170 | M9 1108 001 | 止メネジ | 11/64(40) | Screw 11/64(40) | 2 | 2 | 2 | 2 | B503846H01 |
| 171 | MN 50A0 352 | カラー | | Coller | 1 | 1 | 1 | 1 | A140D085H01 |
| 172 | M9 1653 001 | トメネジ | | Screw 1/4 (24)×8 | 2 | 2 | 2 | 2 | W500478H01 |
| 173 | MN 40A0 669 | 針棒揺動軸メタル | | Needle bar rock shaft bushing | 2 | 2 | 2 | 2 | A140D073H01 |
| 174 | MN 40A0 668 | 針棒揺動軸 | | Needle bar vibrating shaft | 1 | 1 | 1 | 1 | A140D084H01 |
| 175 | M9 1603 003 | 丸平ネジ | 1/4(24)×16 | Screw 1/4(24)×16 | 1 | 1 | 1 | 1 | W501009H01 |
| 176 | MN 40A0 672 | 針棒揺動腕 | | Needle bar rock shaft crank | 1 | 1 | 1 | 1 | A130C065H02 |
| 177 | MF 10E2 148 | ヒモ | φ2.5×85 | Oil wick φ2.5×85 | 1 | 1 | 1 | 1 | W462978H01 |
| 178 | M9 2001 015 | 平ネジ段付 | 5/16(24)×26.2 | Screw 5/16(24)×26.2 | 1 | 1 | 1 | 1 | W501010H01 |
| 179 | MN 40A0 956 | レンセツカン | | Link | 1 | 1 | 1 | 1 | A140D086H02 |
| 180 | M9 2001 045 | ナット | 5/16(24) | Nut 5/16(24) | 1 | 1 | 1 | 1 | W501512H01 |
| 181 | MN 50A0 740 | フエルト | | Felt | 1 | 1 | 1 | 1 | W478166H01 |
| 182 | M9 0805 002 | 平ネジ | 1/8(44)×4.5 | Screw 1/8(44)×4.5 | 4 | 4 | 4 | 4 | B508852H01 |
| 183 | M9 0103 053 | バネザガネ | 3 | Spring washer 3 | 4 | 4 | 4 | 4 | S913N210P02 |
| 184 | MN 10A6 689 | ホルダ | | Holder | 1 | 1 | 1 | 1 | W445945H01 |
| 185 | MV 01A0 128 | ミシン針 | DP×5 -14 | Needle DP×5 #14 | 2 | | 2 | | S970004H02 |
| | MN 10A1 128 | ミシン針 | DP×5 -18 | Needle DP×5 #18 | | 2 | | 2 | S970004H03 |
| 903 | MN 40E0 666 | 支工 | (組) | Needle bar rock frame complete | 1 | 1 | 1 | 1 | A130D063G02 |
| 186 | MN 10A0 660 | 針棒 | | Needle bar | 1 | 1 | 1 | 1 | W445878H01 |
| 187 | MN 40E1 666 | 支工 | | Needle bar rock frame | 1 | 1 | 1 | 1 | A130C080G01 |
| 188 | MN 10A1 476 | スペーサ | | Spacer | 2 | 2 | 2 | 2 | W445873H01 |
| 189 | M9 0604 011 | 丸皿ネジ | 3/32(56)×4 | Screw 3/32(56)×4 | 4 | 4 | 4 | 4 | W501205H01 |
| 190 | M9 0905 002 | 平ネジ | 9/64(40)×8.5 | Screw 9/64(40)×8.5 | 1 | 1 | 1 | 1 | W500470H01 |
| 191 | MN 10A0 665 | 針棒ダキ | | Needle bar connecting stud | 1 | 1 | 1 | 1 | W445877H01 |
| 192 | MN 40A1 325 | 角駒 | | Square block | 1 | 1 | 1 | 1 | A140D552H01 |
| 193 | MN 10A0 740 | フエルト | | Felt | 1 | 1 | 1 | 1 | W500499H01 |
| 194 | MN 40A3 956 | レンセツカン | | Needle bar connecting link | 1 | 1 | 1 | 1 | A130C249H01 |
| 195 | MN 10A5 689 | ホルダ | | Holder | 1 | 1 | 1 | 1 | W445944H01 |
| 196 | MN 40A1 740 | フエルト | | Felt | 1 | 1 | 1 | 1 | W478165H01 |
| 197 | M9 0935 003 | 丸平ネジ | | Screw | 2 | 2 | 2 | 2 | W500991H01 |

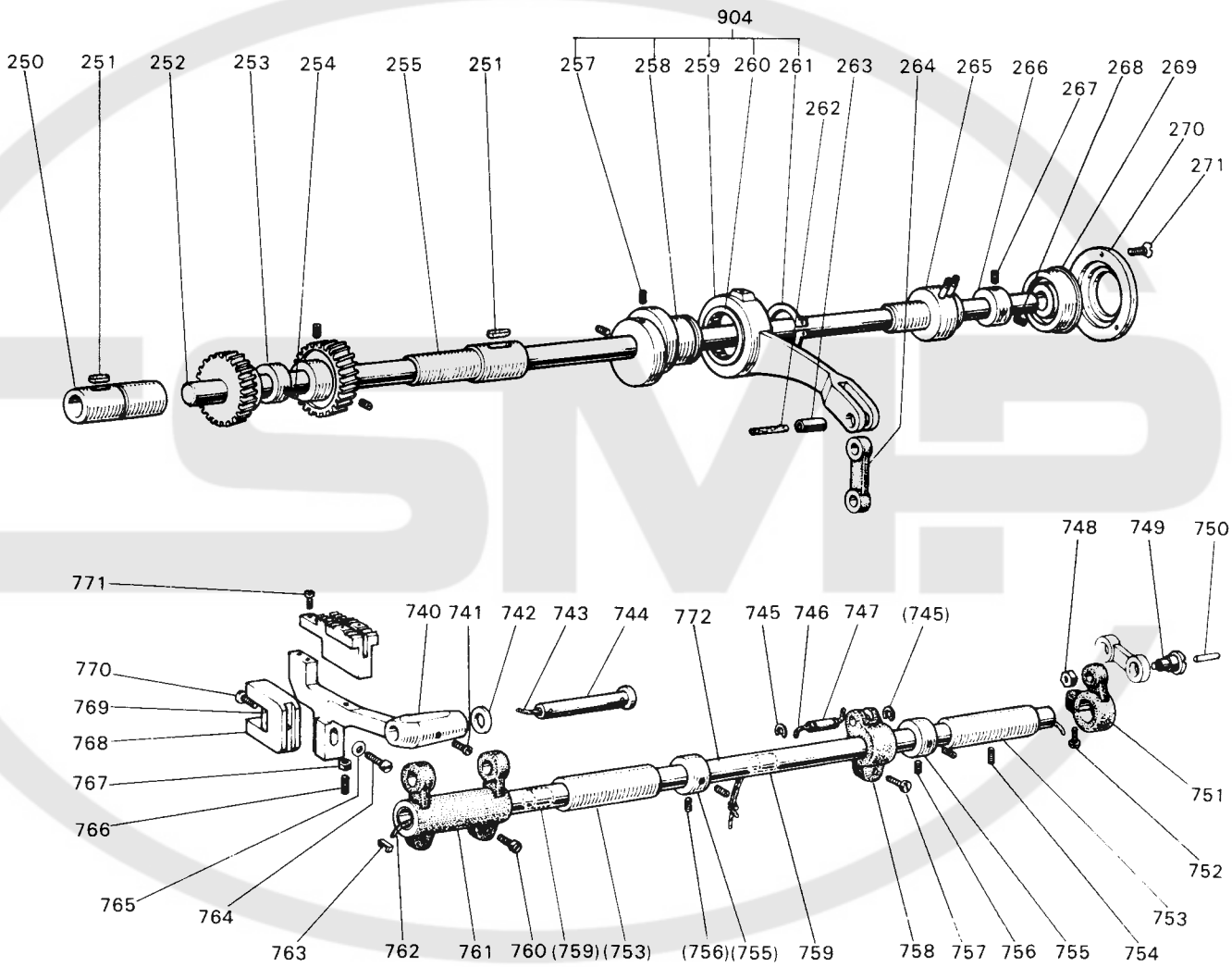
## 5 縫目加減機構
## STITCH REGULATOR MECHANISM



## 5 縫目加減機構
## STITCH REGULATOR MECHANISM

| Fig. No. | 部品コード Part.No. | 部品名 | Description | 使用個数 Amt. Req. LT2-220 MOB | LT2-220 HOB | LT2-230 M1TW | LT2-230 B1T | 資財コード Ref. No. |
|---|---|---|---|---|---|---|---|---|
| 210 | MN 40A0 291 | 送リ調節カム | Feed regulator | 1 | 1 | 1 | 1 | A130C069H01 |
| 211 | M9 1516 002 | 平ネジ | 15/64(28)×8.5 Screw 15/64(28)×8.5 | 3 | 3 | 3 | 3 | W502945-H02 |
| 212 | M9 1505 007 | 丸平ネジ棒先 | 15/64(28)×12 Screw 15/64(28)×12 | 1 | 1 | 1 | 1 | A141D013H01 |
| 213 | MN 40A2 956 | 連接桿 | Connecting link | 1 | 1 | 1 | 1 | A140D508H01 |
| 214 | MN 40A0 761 | 偏心軸 | Eccentric shaft | 1 | 1 | 1 | 1 | A140D095H02 |
| 215 | MN 40A1 320 | 返シ縫イ軸上 | Reverse stitch shaft (upper) | 1 | 1 | | | A141D012H01 |
| | MN 40A0 320 | 返シ縫イ軸上 | Reverse stitch shaft (upper) | | | 1 | 1 | A141D012H02 |
| 216 | MN 40A0 228 | 腕 | Arm | 1 | 1 | | | A140D191H02 |
| | MN 50A6 228 | 腕 | Arm | | | 1 | 1 | A140D097H02 |
| 217 | M9 1503 003 | 丸平ネジ | 15/64(28)×13 Screw 15/64(28)×13 | 1 | 1 | 1 | 1 | W501002-H01 |
| 218 | M9 5003 053 | バネ座金 | Spring washer | 1 | 1 | | | B503895-H01 |
| 219 | MN 40A0 632 | 縫目加減レバー | Reverse sewing lever | 1 | 1 | | | A130C163H01 |
| | MN 50A0 632 | 縫目加減レバー | Reverse sewing lever | | | 1 | 1 | A130C164G01 |
| 220 | MN 40A0 572 | ツル巻キバネ | Spring | 1 | 1 | 1 | 1 | A140D617H01 |
| 221 | MN 40A0 154 | 案内板 | Bracket for spring | 1 | 1 | | | A140D099H01 |
| 222 | M9 1110 002 | 平ネジ | 11/64(40)×8 Screw 11/64(40)×8 | 5 | 5 | 4 | 4 | W500294-H01 |
| 223 | MF 10A2 572 | ツル巻キバネ | Spring | 1 | 1 | 1 | 1 | B509164-H01 |
| 224 | MF 80A0 852 | ピン | Pin | 1 | 1 | 1 | 1 | W481688-H02 |
| 225 | MF 10A0 631 | ダイヤル | Dial | 1 | | 1 | | W331475-H01 |
| | MP 41A0 631 | ダイヤル | Dial | | 1 | | 1 | A130C269H01 |
| 226 | M9 1209 002 | 平ネジ | 3/16(28)×6.6 Screw 3/16(28)×6.6 | 1 | 1 | 1 | 1 | B503887-H01 |
| 227 | MF 90A0 640 | 送リ調節ネジ | Screw bar | 1 | 1 | 1 | 1 | W484899-H02 |
| 228 | M9 1000 085 | Oリング | φ10 O-ring φ10 | 1 | 1 | 1 | 1 | S932N110P09 |
| 229 | M9 0907 060 | ピン | Pin | 1 | 1 | 1 | 1 | W502476-H04 |
| 230 | M9 1506 001 | 止メネジ | 15/64(28)×6 Screw 15/64(28)×6 | 3 | 3 | 3 | 3 | B509087-H01 |
| 231 | MN 40A0 634 | 縫目加減腕下 | Stitch regulating crank (lower) | 1 | 1 | 1 | 1 | A140D521H01 |
| 232 | MN 45A0 352 | カラー | Collar | 1 | 1 | 1 | 1 | A140D506H01 |
| 233 | MP 40A1 740 | フエルト | Felt | 1 | 1 | 1 | 1 | A140D739H02 |
| 234 | MN 45A0 321 | 返シ台 | Reverse bar | 1 | 1 | 1 | 1 | A130C231H01 |
| 235 | MP 40A0 740 | フエルト | Felt | 1 | 1 | 1 | 1 | A140D739H01 |
| 236 | MN 40A0 325 | 角駒 | Square block | 2 | 2 | 2 | 2 | A140D501H01 |
| 237 | MN 45A0 154 | 案内板 | Guide plate | 2 | 2 | 2 | 2 | A140D502H01 |
| 238 | M9 1102 002 | 平ネジ | 11/64(40)×8.5 Screw 11/64(40)×8.5 | 1 | 1 | 1 | 1 | W500193-H01 |
| 239 | M9 1519 002 | 平ネジ | 15/64(28)×7.5 Screw 15/64(28)×7.5 | 2 | 2 | | | W502945-H03 |
| 240 | M9 1515 002 | 平ネジ | 15/64(28)×10 Screw 15/64(28)×10 | 1 | 1 | 1 | 1 | B508963-H02 |

## 6 下軸・送り機構
# LOWER SHAFT & FEED ROCK SHAFT MECHANISM

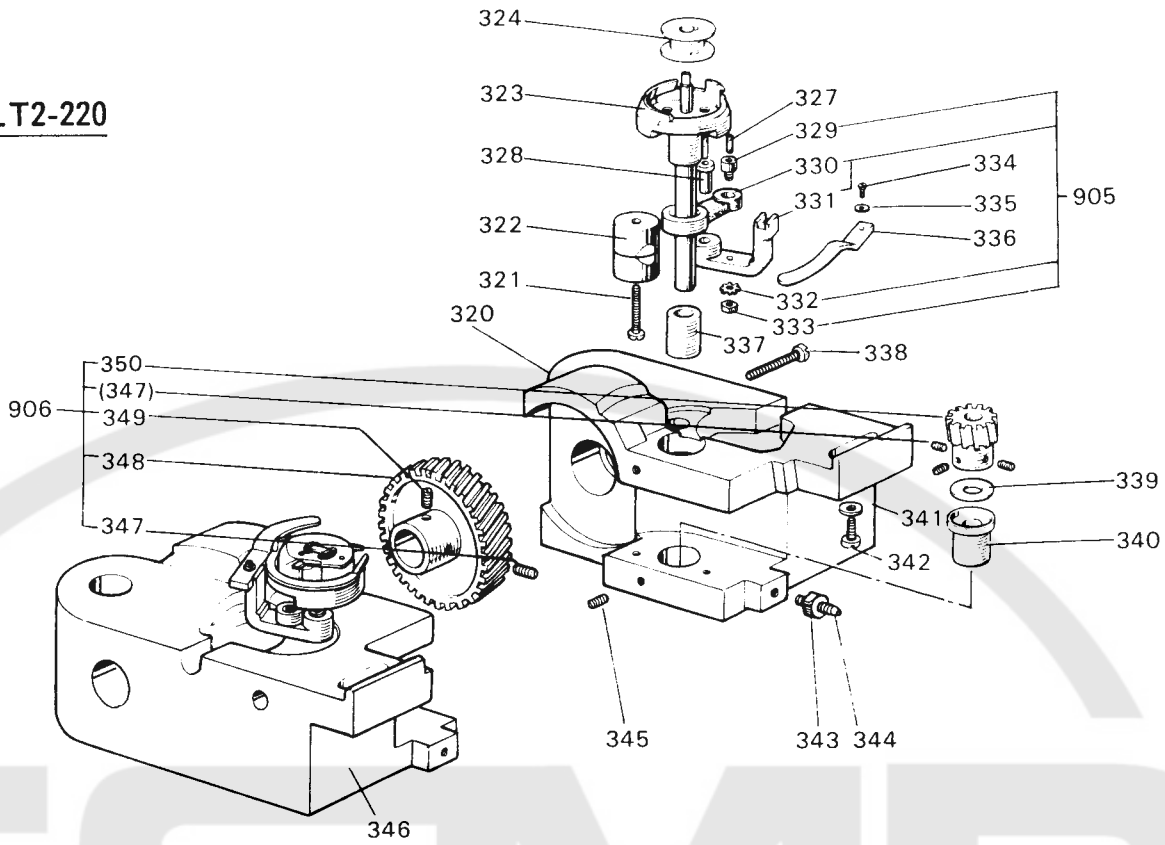


## 6 下軸・送り機構
## LOWER SHAFT & FEED ROCK SHAFT MECHANISM

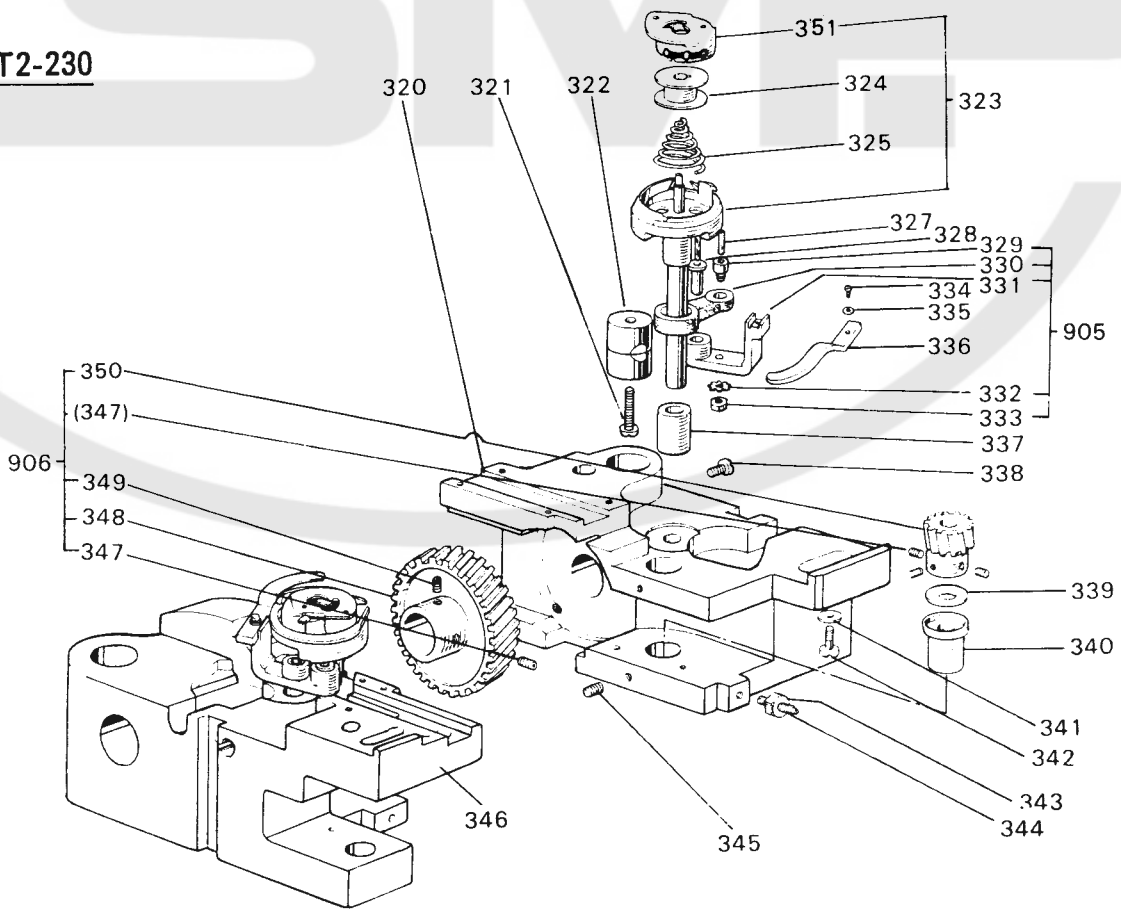
| Fig. No. | 部品コード Part.No. | 部品名 | Description | 使用個数 Amt. Req. LT2-220 MOB | LT2-220 BOB | 230 MIT-W | LT2-230 BIT | 資財コード Ref. No. |
|---|---|---|---|---|---|---|---|---|
| 250 | MN10A0 451 | 下軸メタル（左） | Lower shaft bushing (left) | 1 | 1 | 1 | 1 | W445890-H01 |
| 251 | MF 10E0 148 | ヒモ | Oil wick | 2 | 2 | 2 | 2 | W462978-H01 |
| 252 | MN45A0 450 | 下軸 | Lower shaft | 1 | 1 | 1 | 1 | A130C073H02 |
| 253 | MN10A0 292 | 偏心輪 | Feed lifting cam | 1 | 1 | 1 | 1 | W445912-H02 |
| 254 | M9 1603 001 | 止メネジ棒先 1/4(40)×5 | Screw 1/4(40)×5 | 1 | 1 | 1 | 1 | W468269-H01 |
| 255 | MP 40A0 452 | 下軸メタル（右） | Lower shaft bushing (right) | 1 | 1 | 1 | 1 | A140D544H01 |
| 904 | MN 40E0 305 | 水平送リカムロッド(組) | Level feed connecting rod complete | 1 | | 1 | | A130C103G01 |
| | MN 52E0 305 | 水平送リカムロッド(組) | Level feed connecting rod complete | | 1 | | 1 | A130C103G02 |
| 257 | M9 1516 001 | 止メネジ 5/16(28)×13.5 | Screw 5/16(28)×13.5 | 2 | 2 | 2 | 2 | W500006-H01 |
| 258 | MN40A0 492 | 水平送リカム | Level feed connecting cam | 1 | | 1 | | A140D111H01 |
| | MN42A0 492 | 水平送リカム | Level feed connecting cam | | 1 | | 1 | A140D111H02 |
| 259 | MN40A0 293 | 送リロッド | Feed connecting rod | 1 | 1 | 1 | 1 | A130C230H01 |
| 260 | MN40A0 456 | 軸受 | Ball bearing | 1 | 1 | 1 | 1 | A190D026P01 |
| 261 | M9 0526 065 | C形止メ輪 26 | C-type stop ring 26 | 1 | 1 | 1 | 1 | S922N010P26 |
| 262 | MP 40A0 148 | ヒモ | Oil wick | 1 | 1 | 1 | 1 | A130C259H01 |
| 263 | MN40A0 454 | 軸 | Shaft | 1 | 1 | 1 | 1 | A140D503H01 |
| 264 | MN40A1 956 | 連接桿 | Link | 1 | 1 | 1 | 1 | A140D500H01 |
| 265 | MP 40E0 453 | 下軸メタル中（組） | Lower shaft bushing complete (middle) | 1 | 1 | 1 | 1 | A140D449G01 |
| 266 | MN10A0 750 | ブッシュ | Bushing | 1 | 1 | 1 | 1 | W445887-H01 |
| 267 | M9 1602 001 | 止メネジ 1/4(40)×4 | Screw 1/4(40)×4 | 1 | 1 | 1 | 1 | W500036-H01 |
| 268 | M9 1603 001 | 止メネジ棒先 1/4(40)×5 | Screw 1/4(40)×5 | 1 | 1 | 1 | 1 | W468269-H01 |
| 269 | MN10A2 456 | 軸受ケ | Ball bearing | 1 | 1 | 1 | 1 | W445886-H01 |
| 270 | MN10A0 771 | 押エ板 | Bearing holder | 1 | 1 | 1 | 1 | W461041-H01 |
| 271 | M9 0902 011 | 丸皿ネジ 9/64(40)×7 | Screw 9/64(40)×7 | 3 | 3 | 3 | 3 | W500994-H01 |
| 740 | MN40A3 281 | 送リ台 | Feed bar | 1 | 1 | | | A130C278H03 |
| | MN50A2 281 | 送リ台 | Feed bar | | | 1 | 1 | A130C359H02 |
| 741 | M9 1110 002 | 平ネジ 11/64(40)×8 | Screw 11/64(40)×8 | 1 | 1 | 1 | 1 | W500294-H01 |
| 742 | M9 0707 050 | 座金 7 | Washer 7 | 1 | 1 | 1 | 1 | A140D429H01 |
| 743 | MF 10E2 148 | ヒモ 150×2.5 | Oil wick | 1 | 1 | 1 | 1 | W462978H01 |
| 744 | MP 40A0 283 | ツバ付軸 | Feed bar shaft | 1 | 1 | 1 | 1 | A140D116H03 |
| 745 | M9 0514 065 | E形止メ輪 5 | E-type stop ring 5 | 2 | 2 | 2 | 2 | S922N210P50 |
| 746 | MP 40A0 148 | ヒモ | Oil wick | 1 | 1 | 1 | 1 | A130C259H02 |
| 747 | MN40A1 454 | 軸 | Shaft | 1 | 1 | 1 | 1 | A140D507H01 |
| 748 | M9 2001 045 | ナット 5/16(24) | Nut 5/16(24) | 1 | 1 | 1 | 1 | W501512H01 |
| 749 | M9 2001 015 | 平ネジ段付 5/16(24)×26.2 | Screw 5/16(24)×26.2 | 1 | 1 | 1 | 1 | W501010-H01 |
| 750 | MF 10E2 148 | ヒモ | Oil wick | 1 | 1 | 1 | 1 | W462978H01 |
| 751 | MN40A0 279 | 水平送リ腕（右） | Feed rock shaft crank (right) | 1 | 1 | 1 | 1 | A140D114H01 |
| 752 | M9 1603 003 | 丸平ネジ 1/4(24)×16 | Screw 1/4(24)×16 | 1 | 1 | 1 | 1 | W501009-H01 |
| 753 | MF 70A0 286 | 送リ軸メタル | Feed rock shaft bushing | 2 | 2 | 2 | 2 | W481663-H01 |
| 754 | M9 1654 001 | 止メネジ 1/4(24)×2.1 | Screw 1/4(24)×2.1 | 2 | 2 | 2 | 2 | W501017-H01 |
| 755 | MF 70A0 352 | カラー | Oollar | 2 | 2 | 2 | 2 | W476422-H01 |
| 756 | M9 1602 001 | 止メネジ 1/4(40)×4 | Screw 1/4(40)×4 | 4 | 4 | 4 | 4 | W500036-H01 |
| 757 | M9 1603 003 | 丸平ネジ 1/4(24)×16 | Screw 1/4(24)×16 | 1 | 1 | 1 | 1 | W501009-H01 |
| 758 | MN40A0 273 | 送リ腕（中） | Connecting rod crank | 1 | 1 | 1 | 1 | A140D505H01 |
| 759 | MP 40A2 740 | フエルト | Felt | 2 | 2 | 2 | 2 | A140D539H01 |
| 760 | M9 1204 003 | 丸平ネジ 3/8(28)×12 | Screw 3/8(28)×12 | 2 | 2 | 2 | 2 | B508978-H01 |
| 761 | MN40A0 278 | 水平送リ腕（左） | Feed rock shaft crank (left) | 1 | 1 | | | A140D115H01 |
| | MN50A0 278 | 水平送リ腕（左） | Feed rock shaft crank (left) | | | 1 | 1 | A140D115H03 |
| 762 | MF 10E2 148 | ヒモ 430×2.5 | Oil wick | 1 | 1 | 1 | 1 | W462987H01 |
| 763 | MF 80A0 680 | クリップ | Clip | 1 | 1 | 1 | 1 | W501092-H01 |
| 764 | M9 0508 003 | 丸平ネジ 5/16(28)×16.5 | Screw 5/16(28)×16.5 | 1 | 1 | 1 | 1 | W501002-H02 |
| 765 | M9 0602 050 | 座金 6 | Washer 6 | 1 | 1 | 1 | 1 | W502336-H01 |
| 766 | M9 0851 001 | 止メネジ 1/8(40)×15 | Screw 1/8(40)×15 | 1 | 1 | 1 | 1 | W501001-H02 |
| 767 | M9 0801 045 | ナット 1/8(40) | Nut 1/8(40) | 1 | 1 | 1 | 1 | W501210-H01 |
| 768 | MN40A0 744 | 二又 | Feed bar connecting fork | 1 | 1 | 1 | 1 | A141D222H02 |
| 769 | MN10A3 740 | フエルト | Felt | 1 | 1 | 1 | 1 | W501011-H01 |
| 770 | M9 0804 003 | 丸平ネジ 1/8(44)×4 | Screw 1/8 (44)×4 | 1 | 1 | 1 | 1 | W501003-H01 |
| 771 | M9 0851 002 | 平ネジ 1/8(40)×7 | Screw 1/8(40)×7 | 2 | 2 | 2 | 2 | W501000-H01 |
| 772 | MN40A0 491 | 水平送リ軸 | Feed rock shaft | 1 | 1 | 1 | 1 | A130C070H02 |

## 7 カマ台機構
## HOOK SADDLE MECHANISM

LT2-220



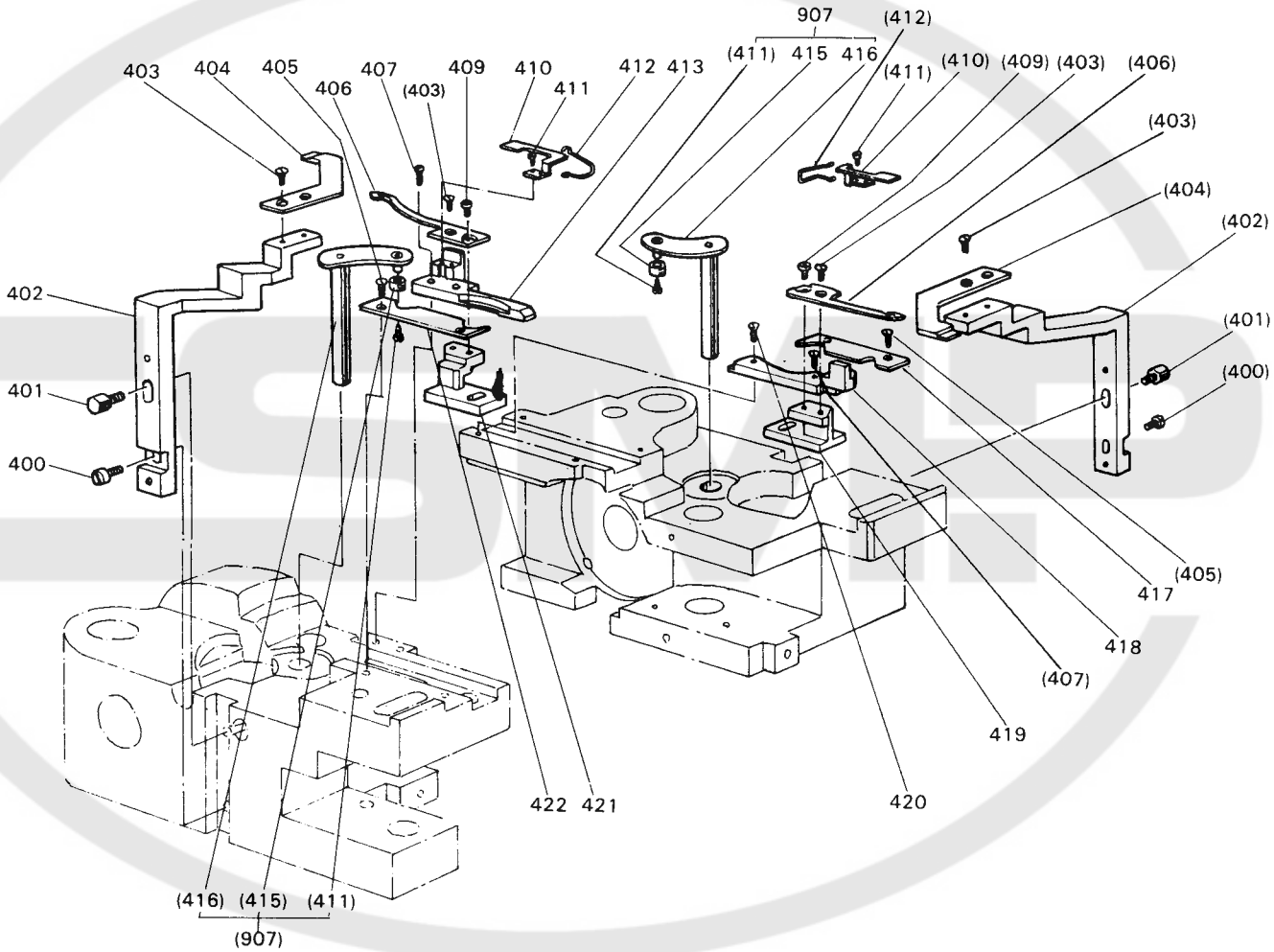

LT2-230



## 7 カマ台機構
# HOOK SADDLE MECHANISM

| Fig. No. | 部品コード Part.No. | 部品名 | Name of Part | 使用個数 Amt. Req LT2-220 MOB | LT2-220 BOB | LT2-230 M1TW | LT2-230 B1T | 資財コード Ref. No. |
|---|---|---|---|---|---|---|---|---|
| 320 | MN 40A0 345 | カマ台 (右) | Hook saddle (right) | 1 | | | | A120B017H01 |
| | MP 40A0 345 | カマ台 (右) | Hook saddle (right) | | 1 | | | A120B018H01 |
| | MN 60A0 345 | カマ台 (右) | Hook saddle (right) | | | 1 | | A120B180H01 |
| | MN 60A1 345 | カマ台 (右) | Hook saddle (right) | | | | 1 | A120B188H01 |
| 321 | M9 1509 002 | 平ネジ 5/64(28)×22 | Screw 5/64(28)×22 | 2 | 2 | 2 | 2 | B509074H01 |
| 322 | MP 00B0 750 | ブッシュ | Bushing | 2 | 2 | 2 | 2 | W445905H01 |
| 323 | MN 10A0 120 | カマ (組) | Hook complete | 2 | | | | A190D110P01 |
| | MN 12B0 120 | カマ (組) | Hook complete | | 2 | | | A190D111P01 |
| | MN 50E1 120 | カマ (組) | Hook complete | | | 2 | | A190D093P01 |
| | (MN 50E0 120) | カマ (組)キャップ式 | Hook complete (bobbin case type) | | | (2) | | A190D070P01 |
| | (MN 50A0 120) | カマ (組)キャップ式 | Hook complete(bobbin case type)(sabun) | | | (2) | | A140D021P02 |
| | MN 50A0 120 | カマ (組) | Hook complete | | | | 2 | A190D090P01 |
| | (MN 52E0 120) | カマ (組)(佐文) | Hook complete (sabun) | | | | (2) | A190D054P01 |
| 324 | MN 40A0 123 | ボビン | Bobbin | 2 | | | | P976017X01 |
| | MN 12B0 123 | ボビン | Bobbin | | 2 | | | P976002X01 |
| | MN 50A0 123 | ボビン | Bobbin | | | 2 | | A140D130H02 |
| | MN 52A0 123 | ボビン | Bobbin | | | | 2 | A140D736H01 |
| 325 | MN 50A0 245 | エンスイバネ | Spring | | | 2 | | A140D356H02 |
| | MN 52A0 245 | エンスイバネ | Spring | | | | 2 | A140D735H01 |
| 327 | MF 10E0 148 | ヒモ | Oil wick | 2 | 2 | 2 | 2 | W462980H01 |
| 328 | MP 41A0 302 | オープナ支工軸 | Bobbin case opener holder pin | 2 | 2 | 2 | 2 | W445901H03 |
| 905 | MN 40E0 301 | オープナ支工 (組) | Bobbin case opener holder complete | 2 | | 2 | | W458147G05 |
| | MN 42E0 301 | オープナ支工 (組) | Bobbin case opener holder complete | | 2 | | 2 | W458147G07 |
| 329 | M9 1254 030 | 特殊ネジ 3/16(32)×7.8 | Screw 3/16(32)×7.8 | 2 | 2 | 2 | 2 | W445904H01 |
| 330 | MN 10A0 340 | 連接桿 | Link | 2 | | 2 | | W445900H01 |
| | MP 40A0 340 | 連接桿 | Link | | 2 | | 2 | A140D580H02 |
| 331 | MN 10A0 301 | オープナ支工 | Bobbin case opener holder | 2 | | 2 | | W445902H01 |
| | MP 40A0 301 | オープナ支工 | Bobbin case opener holder | | 2 | | 2 | A140D579H03 |
| 332 | M9 0102 053 | バネ座金 5 | Spring washer 5 | 2 | 2 | 2 | 2 | S913N210P05 |
| 333 | M9 1251 045 | ナット 3/16(32) | Nut 3/16(32) | 2 | 2 | 2 | 2 | B509177H01 |
| 334 | M9 0910 003 | 丸平ネジ 9/64(40)×7 | Screw 9/64(40)×7 | 2 | 2 | 2 | 2 | B509270H01 |
| 335 | M9 0402 050 | 座金 8 | Washer 8 | 2 | 2 | 2 | 2 | B508956H01 |
| 336 | MN 50A0 300 | オープナ | Opener | 2 | | 2 | | W445903H02 |
| | MN 52A0 300 | オープナ | Opener | | 2 | | 2 | A140D578H03 |
| 337 | MN 10A1 342 | カマ軸メタル (上) | Hook shaft bushing (upper) | 2 | | 2 | | W445898H02 |
| | MN 12B1 342 | カマ軸メタル (上) | Hook shaft bushing (upper) | | 2 | | 2 | W462940H02 |
| 338 | M9 1203 002 | 平ネジ 3/16(28)×15 | Screw 3/16(28)×15 | 2 | 2 | 2 | 2 | B509178H01 |
| 339 | M9 1001 050 | 座金 10 | Washer10 | 2 | 2 | 2 | 2 | W501041H01 |
| 340 | MN 10A0 343 | カマ軸メタル (下) | Hook shaft bushing (lower) | 2 | 2 | 2 | 2 | W445899H02 |
| 341 | M9 0701 050 | 座金 9 | Washer 9 | 2 | 2 | 2 | 2 | B509331H01 |
| 342 | M9 1652 002 | 平ネジ 1/4(24)×23 | Screw 1/4(24)×23 | 2 | 2 | 2 | 2 | W462939H01 |
| 343 | M9 1201 045 | ナット 3/16(28) | Nut 3/16(28) | 2 | 2 | 2 | 2 | W501827H01 |
| 344 | M9 1205 030 | 特殊ネジ 3/16 (28) ×11.5 | Screw 3/16(28)×11.5 | 2 | 2 | 2 | 2 | A140D129H02 |
| 345 | M9 1503 001 | 止メネジ 5/64(28)×4.5 | Screw 5/64(28)4.5 | 4 | 4 | 4 | 4 | B50897H01 |
| 346 | MN 40A0 344 | カマ台 (左) | Hook saddle (left) | 1 | | | | A120B022H01 |
| | MP 40A0 344 | カマ台 (左) | Hook saddle (left) | | 1 | | | A120B023H01 |
| | MN 60A0 344 | カマ台 (左) | Hook saddle (left) | | | 1 | | A120B190H01 |
| | MN 60A1 344 | カマ台 (左) | Hook saddle (left) | | | | 1 | A120B191H01 |
| 906 | MN 40A0 643 | ネジ歯車 (組) | Gear complete | 2 | 2 | 2 | 2 | W462927G02 |
| 347 | M9 1602 001 | 止メネジ 1/4(40)×4 | Screw 1/4(40)×4 | 8 | 8 | 8 | 8 | W500036H01 |
| 348 | MN 40A0 642 | ネジ歯車 (大) | Gear (large) | 2 | 2 | 2 | 2 | A130C455H01 |
| 349 | M9 1655 001 | 止メネジ 1/4(40)×6.5 | Screw 1/4(40)×6.5 | 2 | 2 | 2 | 2 | A141D518H01 |
| 350 | MN 10A0 643 | ネジ歯車 (小) | Gear (small) | 2 | 2 | 2 | 2 | W445892H01 |
| 351 | MN 52E0 125 | キャップ | Bobbin case | | | | 2 | W/CP-12M(230) |
| | (MN 50E0 125) | キャップ | Bobbin case | | | (2) | | W/CP-12(3) |

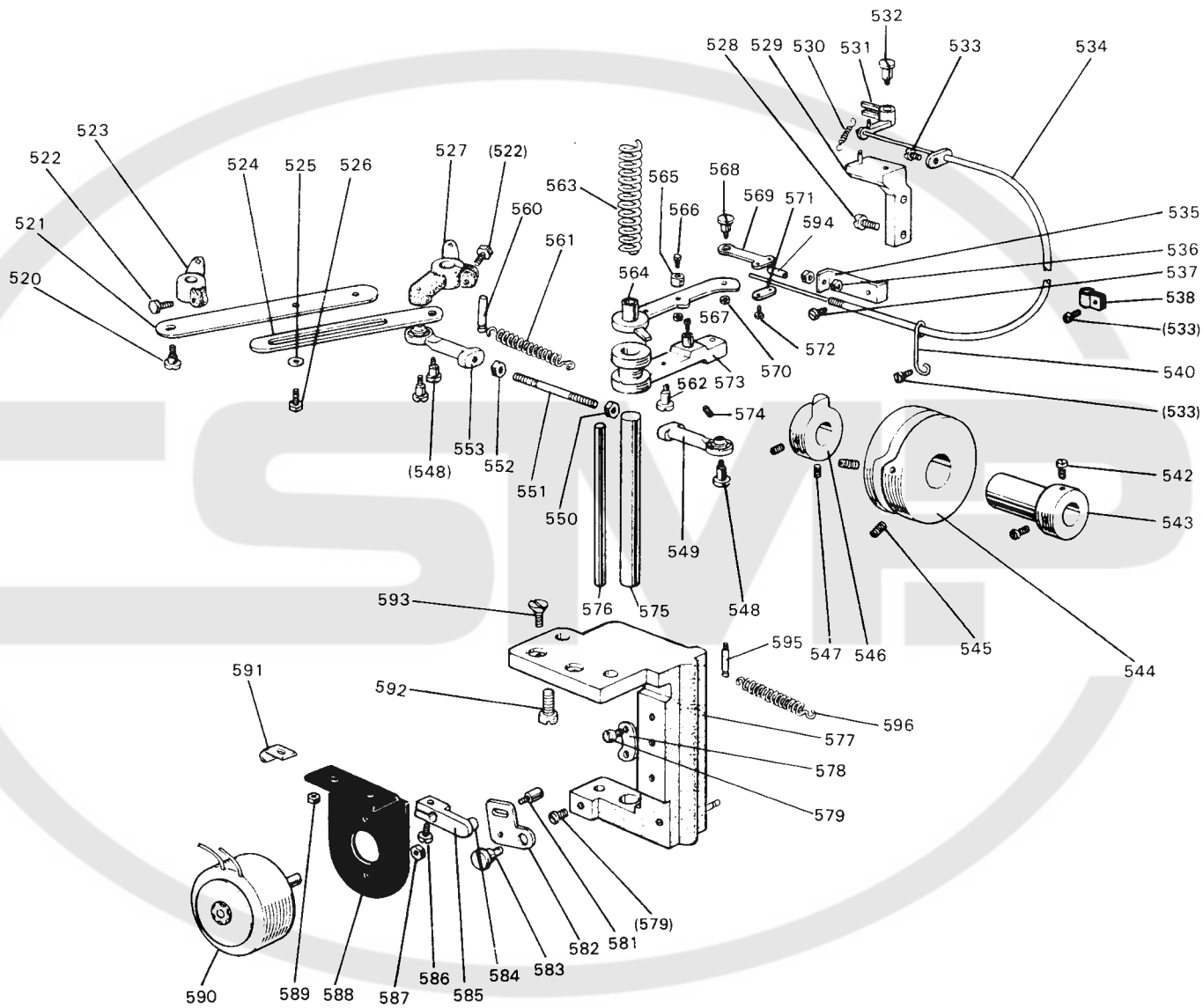
## 8 糸切り機構(I)
## KNIFE MECHANISM(I)



## 8 糸切り機構(Ⅰ)
## KNIFE MECHANISM(Ⅰ)

| Fig. No. | 部品コード Part.No. | 部品名 | Description | 使用個数 Amt. Req. LT2-230 M1TW | 使用個数 Amt. Req. LT2-230 B1T | 資財コード Ref. No. |
|---|---|---|---|---|---|---|
| 400 | M9 0911 030 | 特殊ネジ 9/64(40)×7 | Screw 9/64(40)×7 | 2 | 2 | A140D144H01 |
| 401 | M9 1106 022 | ボルト | Bolt | 2 | 2 | A140D145H01 |
| 402 | MN50A0 839 | メス取付台 | Trimming knife holder | 2 | 2 | A130C077H02 |
| 403 | M9 1102 010 | 皿ネジ 9/64(40)×5 | Screw 9/64(40)×5 | 6 | 6 | A140D138H04 |
| 404 | MN50A0 838 | 固定メス | Fixed blade | 2 | 2 | A140D751H01 |
| 405 | M9 0916 011 | 皿ネジ 9/64(40)×4 | Screw 9/64(40)×4 | 4 | 4 | W500697-H01 |
| 406 | MN 50B0 838 | 移動メス | Moved knife | 2 | 2 | A130C076H03 |
| 407 | M9 0801 010 | 皿ネジ 1/8(40)×9.2 | Screw 9/64(40)×9.2 | 2 | 2 | W501962-H01 |
| 409 | M9 0944 002 | 平ネジ 9/64(40)×4.5 | Screw 9/64(40)×4.5 | 2 | 2 | A141D129H02 |
| 410 | MN50A0 192 | 板バネ | Spring plate | 2 | 2 | A140D139H03 |
| 411 | M9 0605 002 | 平ネジ 3/32(56)×3.8 | Screw 3/32(56)×3.8 | 6 | 6 | W500679-H01 |
| 412 | MN50A0 507 | センサイクバネ | Reversing spring | 2 | 2 | A140D911H01 |
| 413 | MN60A1 154 | 案内金 | Guide | 1 | | A141D92H01 |
| | MN 60E1 154 | 案内金 | Guide | | 1 | A141D145G01 |
| 907 | MN60A0 950 | レバークミタテ | Lever complete | 2 | 2 | A141D077G02 |
| 415 | MN60A0 411 | コロ | Roller | 2 | 2 | A141D080H01 |
| 416 | MN60A1 950 | レバー | Lever | 2 | 2 | A141D078H02 |
| 417 | MN60A0 742 | 蓋 | Cover | 1 | 1 | A141D090H01 |
| 418 | MN60A2 154 | 案内金 | Guide | 1 | | A141D096H02 |
| | MN 60E0 154 | 案内金 | Guide | | 1 | A141D144G02 |
| 419 | MN60A0 837 | メス台 | Knife pad | 1 | 1 | A141D073H02 |
| 420 | M9 0906 010 | 皿ネジ 9/64(40)×9.5 | Screw 9/64(40)×9.5 | 1 | 1 | A140D138H03 |
| *421 | MN60A0 836 | メス台 | Knife pad | 1 | 1 | A141D075H02 |
| 422 | MN60A1 742 | 蓋 | Cover | 1 | 1 | A141D093H01 |

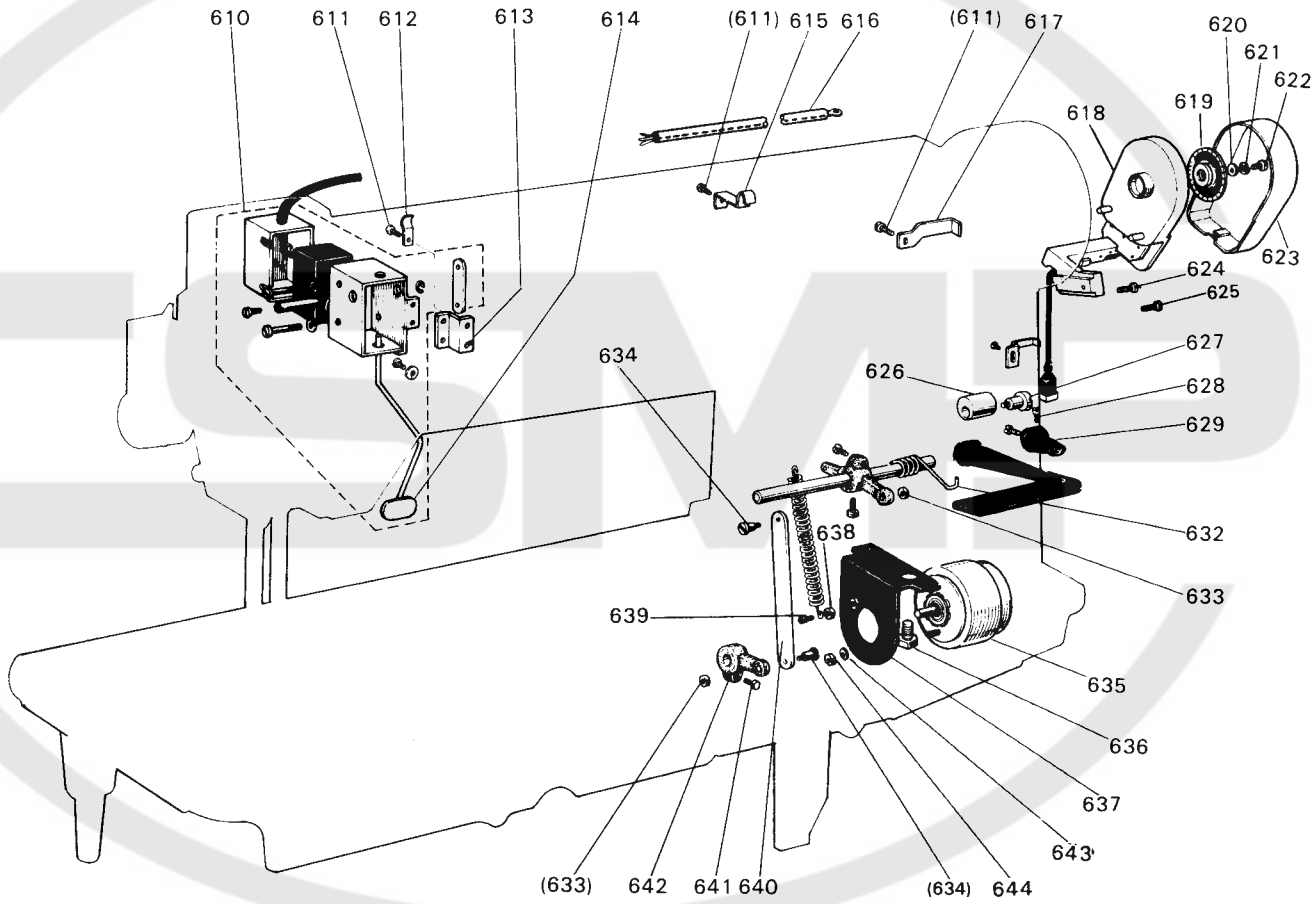
## 9 糸切り機構 (II)
## KNIFE MECHANISM (II)



# 9 糸切り機構(II)
# KNIFE MECHANISM(II)

| Fig. No. | 部品コード Part.No. | 部品名 | Description | 使用個数 Amt. Req. LT2-230 M1T-W | 使用個数 Amt. Req. LT2-230 B1T | 資財コード Ref. No. |
|---|---|---|---|---|---|---|
| 520 | M9 1134 015 | 平ネジ段付 | M5(0.5)×7.5… Screw M5 | 2 | 2 | A140D357H02 |
| 521 | MP43A0 910 | リンク | Link | 1 | 1 | A141D101H01 |
| 522 | M9 1501 022 | ボルト | Bolt | 2 | 2 | W501928-H02 |
| 523 | MN60A3 228 | 腕 | Arm | 1 | 1 | A141D074H01 |
| 524 | MN50A0 910 | リンク | Connecting plate | 1 | 1 | A140D164H01 |
| 525 | M9 0550 050 | 座金 | 4.5 Washer 4.5 | 2 | 2 | S913N040P05 |
| 526 | M9 1201 022 | ボルト | Bolt | 2 | 2 | W502011-H01 |
| 527 | MN60A1 228 | 腕 | Arm | 1 | | A141D076H01 |
| | MN60A2 228 | 腕 | Arm | | 1 | A141D076H02 |
| 528 | M9 1110 002 | 平ネジ | 1/64(40)×8 Screw 1/64(40)×8 | 2 | 2 | W500294H01 |
| 529 | MN60A0 172 | 糸ユルメ台 | Thread releasing bracket | 1 | 1 | A141D087H01 |
| 530 | MN60A3 572 | ツルマキバネ | Spring | 1 | 1 | A141D089H01 |
| 531 | MN60A0 173 | 糸ユルメ | Thread releasing | 1 | 1 | A141D088H01 |
| 532 | M9 1112 015 | 平ネジ段付 | 1/64(40)×5 Screw 1/64(40)×5 | 1 | 1 | W501531-H01 |
| 533 | M9 1110 002 | 平ネジ | 1/64(40)×8 Screw 1/64(40)×8 | 1 | 1 | W500294-H01 |
| 534 | MN60E0 746 | フレキシブルワイヤ | (組) Flexible wire complete | 1 | 1 | A141D146G01 |
| 535 | MN60A0 601 | トリツケイタ | Mounting plate | 1 | 1 | A141D104H02 |
| 536 | M9 1373 045 | ナット | M5 Nut 5 | 2 | 2 | S910N010P05 |
| 537 | M9 1264 015 | 平ネジ段付 | 3/16(32)×5.5 Screw 3/16(32)×5.5 | 1 | 1 | A141D223H01 |
| 538 | MN60A0 620 | ナイロンクリップ | HP-5N Nylon clip HP-5N | 1 | 1 | S945N220P05 |
| 540 | MN60A0 780 | ホルダ | Holder | 1 | 1 | A141D106H01 |
| 542 | M9 1516 002 | 平ネジ | 5/64(28)×8.5 Screw 5/64(28)×8.5 | 2 | 2 | W502945-H02 |
| 543 | MN50A0 750 | ブッシュ | Bushing | 1 | 1 | A140D167H02 |
| 544 | MN50A0 350 | カム | Cam | 1 | 1 | A120B032H01 |
| 545 | M9 1602 020 | 六角穴付止メネジ | 1/4(40)×9.5 Screw 1/4(40)×9.5 | 2 | 2 | W462663-H01 |
| 546 | MN50A1 350 | カム | Cam | 1 | 1 | A140D528H03 |
| 547 | M9 1055 020 | 六角穴付止メネジ | M4×4 Screw M4×4 | 2 | 2 | S901N319P09 |
| 548 | M9 1263 015 | 平ネジ段付 | M5×8.5 Screw M5×8.5 | 2 | 2 | A141D107H01 |
| 549 | MF 40A0 975 | ロッドエンド | Ball joint | 1 | 1 | A190D086P01 |
| 550 | M9 1377 045 | ナット | M5 Nut M5 | 1 | 1 | A140D402H03 |
| 551 | M9 5004 023 | 植込ミボルト | Bolt | 1 | 1 | A140D185H02 |
| 552 | M9 1381 045 | ナット | 左M5 Nut M5(left) | 1 | 1 | A140D402H02 |
| 553 | MN50A0 975 | ロッドエンド | Ball joint | 1 | 1 | A141D140H01 |
| 560 | M9 5003 067 | 溝付ピン | BXガタ 5×14 Pin BX-5×14 | 1 | 1 | A141D148H01 |
| 561 | MN50A0 572 | ツル巻バネ | Spring | 1 | 1 | A140D565H01 |
| 562 | M9 1111 015 | 平ネジ段付 | 1/64(40)×5.5 Screw 1/64(40)×5.5 | 1 | 1 | W475412H01 |
| 563 | MN60A5 572 | ツル巻バネ | Spring | 1 | 1 | A141D102H01 |
| 564 | MN60E0 950 | 糸ユルメレバー | 組立 Thread releasing lever complete | 1 | 1 | A130C465G01 |
| 565 | MN50A0 411 | コロ | Roller | 1 | 1 | A140D176H01 |
| 566 | M9 1131 015 | 平ネジ段付 | 1/64(40)×3.6 Screw 1/64(40)×3.6 | 1 | 1 | A140D177H01 |
| 567 | M9 1107 045 | ナット | 1/64(40) Nut 1/64(40) | 1 | 1 | W475413-H01 |
| 568 | M9 1231 015 | 平ネジ段付 | 3/16(28)×5 Screw 3/16(28)×5 | 1 | 1 | A140D764H01 |
| 569 | MN50A0 601 | 取付板 | Mounting plate | 1 | 1 | A140D763H01 |
| 570 | M9 1201 045 | ナット | 3/16(28) Nut 3/16(28) | 1 | 1 | W501827-H01 |
| 571 | MN50A2 750 | ブッシュ | (後) Bushing | 1 | 1 | W502917-H03 |
| 572 | M9 0802 002 | 平ネジ | 1/8(44)×7 Screw 1/8(44)×7 | 2 | 2 | W501083-H01 |
| 573 | MN60A0 886 | 揺動腕 | (組) Vibrating crank complete | 1 | 1 | A140D166H03 |
| 574 | M9 1001 020 | 六角穴付止メネジ | 1/64(40)×5 Screw 1/64(40)×5 | 2 | 2 | A140D912H01 |
| 575 | MN50A3 454 | 軸 | Shaft | 1 | 1 | A140D179H04 |
| 576 | MN60A0 454 | 軸 | Shaft | 1 | 1 | A141D083H01 |
| 577 | MN60A0 603 | 取付台 | Mounting base | 1 | 1 | A130C461H01 |
| 578 | MN50A0 477 | ストッパ | Stopper | 1 | 1 | A140D172H01 |
| 579 | M9 1109 002 | 平ネジ | 1/64(40)×7 Screw 1/64(40)×7 | 3 | 3 | W500511-H01 |
| 581 | M9 1111 033 | ピンネジ | 1/64(40)×5 Pin screw 1/64(40)×5 | 1 | 1 | A140D142H01 |
| 582 | MN50A3 950 | レバー | Lever | 1 | 1 | A140D174H02 |
| 583 | M9 1103 016 | 丸平ネジ段付 | 1/64(40)×3.5 Screw 1/64(40)×3.5 | 1 | 1 | W475402-H01 |
| 584 | M9 0615 063 | 段付ピン | Pin | 1 | 1 | A140D184H01 |
| 585 | MN50A4 228 | 腕 | Arm | 1 | 1 | A140D175H01 |
| 586 | M9 1112 002 | 平ネジ | 1/64(40)×12 Screw 1/64(40)×12 | 1 | 1 | W501889-H01 |
| 587 | M9 1101 045 | ナット | 1/64(40) Nut 1/64(40) | 1 | 1 | W500657-H01 |
| 588 | MN50A3 601 | 取付板 | Set plate | 1 | 1 | A140D195H02 |
| 589 | M9 1373 045 | ナット | M5 Nut 5 | 2 | 2 | S910N010P05 |
| 590 | MN50E0 519 | ソレノイド | (組立) Solenoid complete | 1 | 1 | A130C286G01 |
| 591 | MN50A0 780 | ホルダ | Holder | 1 | 1 | A140D750H01 |
| 592 | M9 1603 003 | 丸平ネジ | 1/4(24)×16 Screw 1/4(24)×16 | 1 | 1 | W501009-H01 |
| 593 | M9 5001 037 | Pサラネジ | 5×16 Screw M5×16 | 2 | 2 | S900N115P16 |
| 594 | MN60A0 750 | ブッシュ | Bushing | 1 | 1 | A141D185H01 |
| 595 | M9 1111 030 | 特殊ネジ | 1/64(40)×4 Screw 1/64(40)×4 | 1 | 1 | A141D084H01 |
| 596 | MN50A3 572 | ツル巻バネ | Spring | 1 | 1 | A141D085H01 |

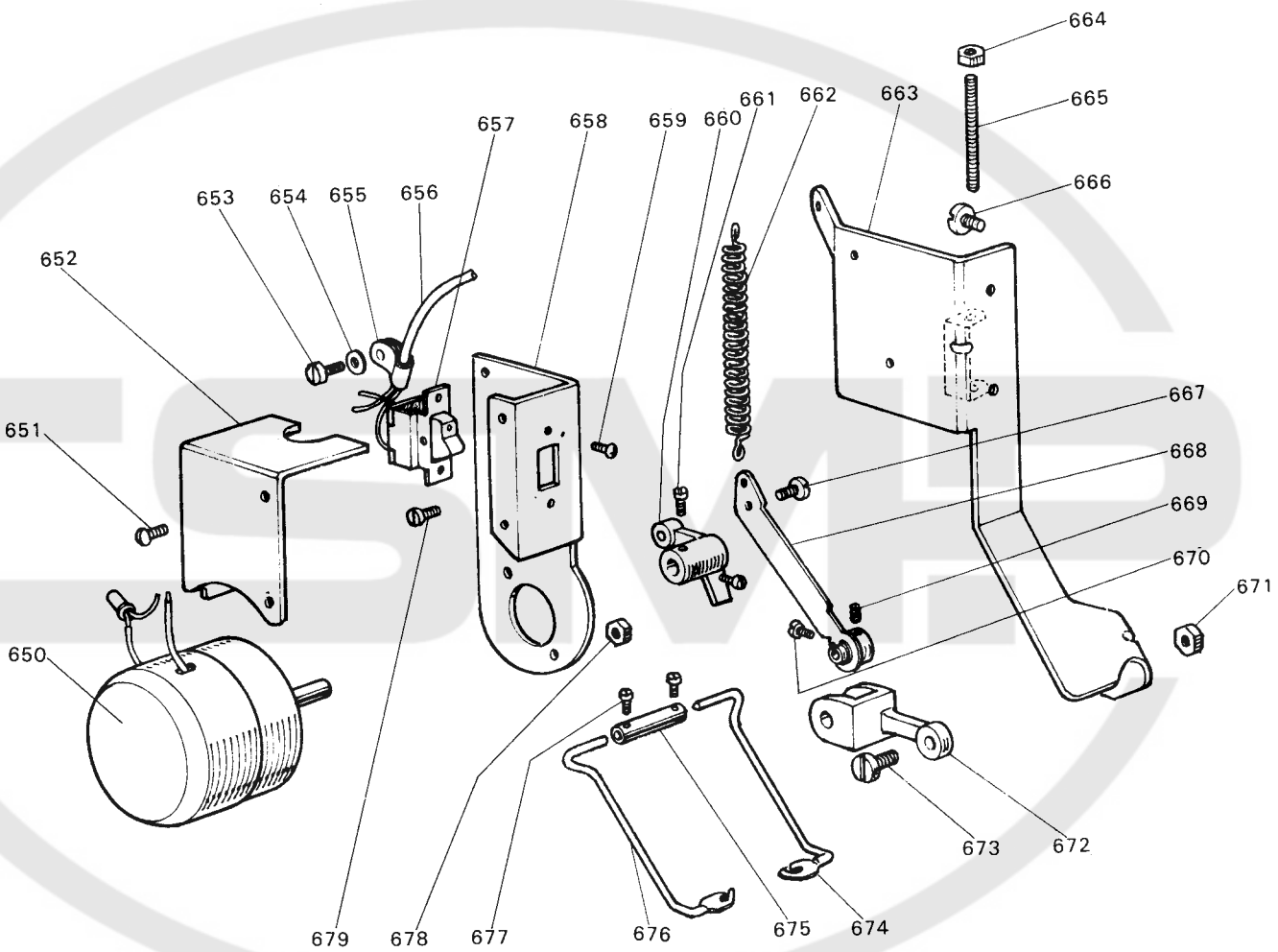
## 10 タッチバックおよび検出器機構
## TOUCH BACK & DETECTOR MECHANISM



## 10 タッチバックおよび検出器機構
## TOUCH BACK& DETECTOR MECHANISM

| Fig. No. | 部品コード Part.No. | 部品名 | Description | 使用個数 Amt. Req. LT2-230 M11W | 使用個数 Amt. Req. LT2-230 B1T | 資財コード Ref. No. |
|---|---|---|---|---|---|---|
| 610 | MN 50E0 534 | タッチスイッチ (組立) | Touch switch complete | 1 | 1 | W338227-G03 |
| 611 | M9 1109 002 | 平ネジ 1/64(40)×7 | Screw 1/64(40)×7 | 4 | 4 | W500511-H01 |
| 612 | MN 10A1 689 | ホルダ | Holder | 1 | 1 | W501202-H01 |
| 613 | MN 50A4 601 | 取付板 | Set plate | 1 | 1 | A140D373H01 |
| 614 | MN 50A4 950 | レバー (組立) | Lever complete | 1 | 1 | A130C485G01 |
| 615 | MN 50A1 780 | ホルダ | Holder | 1 | 1 | A140D532H01 |
| 616 | M9 7003 095 | アース線 (組立) | Earth cord complete | 1 | 1 | A140D525G01 |
| 617 | MF 40A2 415 | ホルダ | Holder | 1 | 1 | W476457-H01 |
| 618 | MN 50A0 781 | ホルダ台 (組立) | Holding base complete | 1 | 1 | A190D025P01 |
| 619 | MN 50E1 439 | 遮光円盤 (組立) | Shading disc complete | 1 | 1 | A190D024P02 |
| 620 | M9 1003 050 | 座金 | 10 Washer 10 | 1 | 1 | A140D010H01 |
| 621 | M9 0901 053 | バネ座金 | 9.3 Spring washer 9.3 | 1 | 1 | W501036-H01 |
| 622 | M9 2204 003 | 丸平ネジ | 1/2(28)×15 Screw 1/2(28)×15 | 1 | 1 | A140D009H01 |
| 623 | MF 90A1 339 | カバー | Cover | 1 | 1 | A190D003P01 |
| 624 | M9 1510 002 | 平ネジ | 5/64(28)×12 Screw 5/64(28)×12 | 1 | 1 | W500676-H01 |
| 625 | M9 1117 002 | 丸平ネジ | 1/64(40)×11.4 Screw 1/64(40)×11.4 | 1 | 1 | B503844H01 |
| 626 | MN 50A0 417 | ゴムワ | φ16 Rubber ring φ16 | 1 | 1 | A140D358H01 |
| 627 | M9 1516 015 | 平ネジ段付 | 5/64(28)×5 Screw 5/64(28)×5 | 1 | 1 | A140D102H01 |
| 628 | M9 1501 002 | 平ネジ | 5/64(28)×8.5 Screw 5/64(28)×8.5 | 2 | 2 | W502945-H01 |
| 629 | MN 50A1 950 | レバー | Lever | 1 | 1 | A140D101H02 |
| 632 | MN 50A0 729 | ヒネリバネ | Spring | 1 | 1 | A140D103H01 |
| 633 | M9 1502 045 | ナット | 5/64(28) Nut 5/64(28) | 2 | 2 | W501883-H01 |
| 634 | M9 1517 015 | 平ネジ段付 | 5/64(28)×14 Screw 5/64(28)×14 | 2 | 2 | A140D192H01 |
| 635 | M9 1001 095 | ロータリソレイド | Rotary solenoid | 1 | 1 | A190D178P01 |
| 636 | M9 8004 022 | ボルト | M8 Bolt 8 | 2 | 2 | S903N012P12 |
| 637 | MN 50A2 601 | 取付板 | Set plate | 1 | 1 | A130C108H02 |
| 638 | M9 1105 045 | ナット | 1/64(40) Nut 1/64(40) | 2 | 2 | W500657-H01 |
| 639 | M9 1110 002 | 平ネジ | 1/64(40)×8 Screw 1/64(40)×8 | 1 | 1 | W500294-H01 |
| 640 | MN 50A2 910 | リンク | Link | 1 | 1 | A140D193H01 |
| 641 | M9 1502 022 | ボルト | Bolt | 1 | 1 | W501545-H03 |
| 642 | MN 50A5 228 | 腕 | Arm | 1 | 1 | A140D194H03 |
| 643 | M9 0104 053 | バネ座金 | 6 Spring washer 6 | 2 | 2 | S913N210P06 |
| 644 | M9 1575 045 | ナット | M6 Nut M6 | 2 | 2 | S910N010P06 |

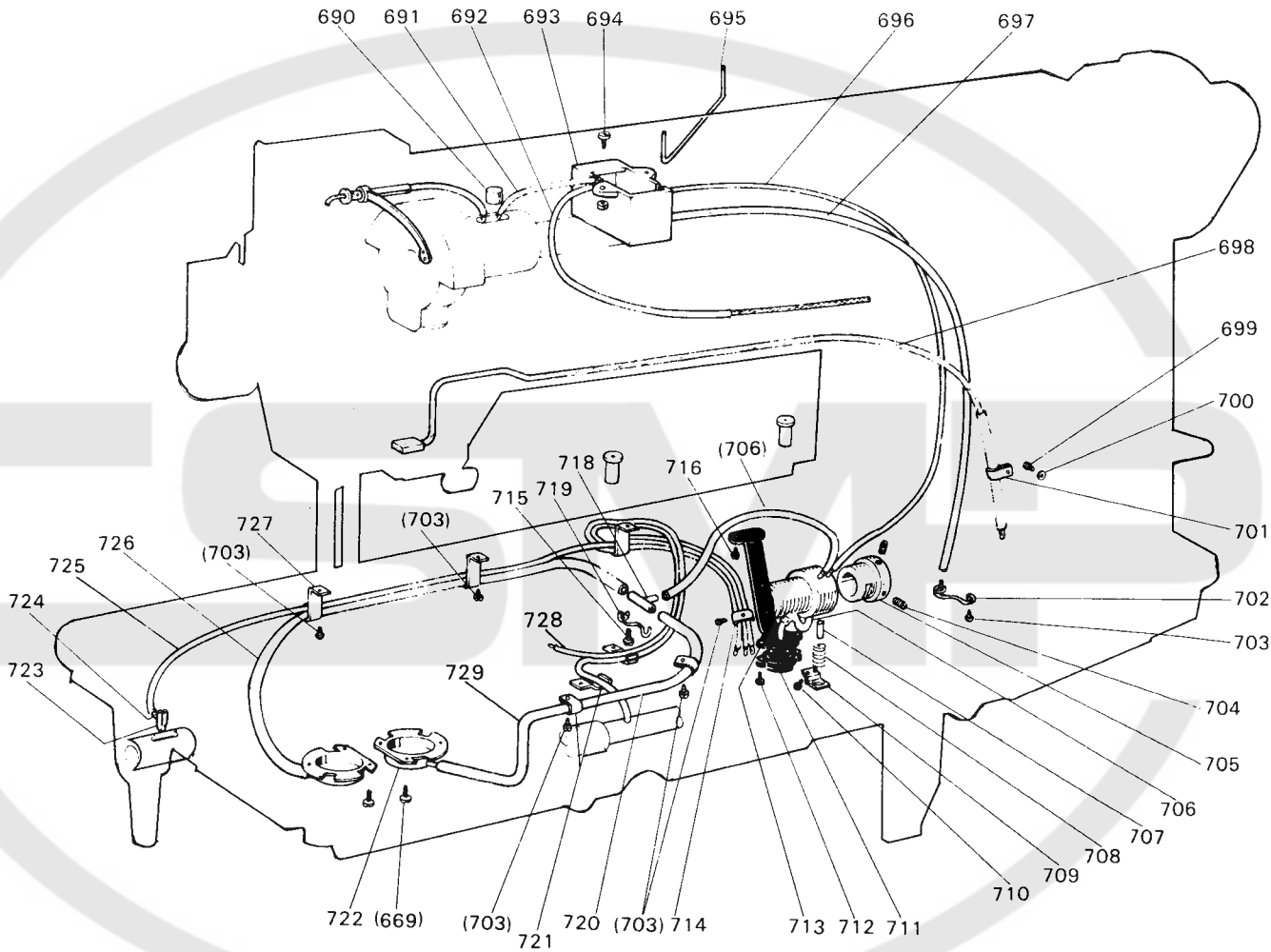
## 11 ワイパー機構
## WIPER MECHANISM



## 11 ワイパー機構
## WIPER MECHANISM

| Fig. No. | 部品コード Part.No. | 部品名 | Description | 使用個数 Amt. Req. LT2-230 M1TW | 資財コード Ref. No. |
|---|---|---|---|---|---|
| 650 | M9 1003 095 | ロータリソレノイド | Rotary solenoid | 1 | A190D116P01 |
| 651 | M9 0909 003 | 丸平ネジ | 9/64(40)×6 Screw 9/64(40)×6 | 2 | W501901H01 |
| 652 | MN 50E0 339 | カバー | Solenoid set cover | 1 | A130C096G01 |
| 653 | M9 1104 003 | 平ネジ | 11/64(40)×9 Screw 11/64(40)×9 | 1 | B509264H01 |
| 654 | M9 0450 050 | 座金 | 4.5 Washer 4.5 | 1 | S913N040P04 |
| 655 | MN 50A0 620 | ナイロンクリップ | HP3N Nylon clip HP3N | 1 | S945N220P03 |
| 656 | M9 7006 095 | コード | 組立 Cord complete | 1 | A130C189G02 |
| 657 | MF 40E2 484 | 波動スイッチ | Switch | 1 | P909001X01 |
| 658 | MN 50A5 601 | ソレノイド台板 | Solenoid set plate | 1 | A130C095G01 |
| 659 | M9 0336 037 | Pナベネジ | M3(0.5)×12 ScrewM3×12 | 2 | S900N012P06 |
| 660 | MN 40A0 392 | 駆動腕 | Connecting crank | 1 | A141D159H01 |
| 661 | M9 0813 002 | 平ネジ | 1/8(44)×4.4 Screw 1/8(44)×4.4 | 2 | W501391H01 |
| 662 | MN 50A2 572 | ツル巻バネ | Spring | 1 | A140D339H01 |
| 663 | MN 50E1 601 | 台板取付板 | Set plate for base | 1 | A130C483G01 |
| 664 | M9 1201 045 | ナット | 3/16(28) Nut 3/16(28) | 1 | W501827H01 |
| 665 | M9 1205 001 | 止メネジ | 3/16(28)×4.2 Screw 3/16(28)×4.2 | 1 | W500665H01 |
| 666 | M9 1601 003 | 丸平ネジ | 1/4(28)×8 Screw 1/4(28)×8 | 2 | W466240H01 |
| 667 | M9 1133 015 | 平ネジ | 段付11/64(40)×3.5 Screw 11/64(40)×3.5 | 1 | W482850H02 |
| 668 | MN 50E0 954 | 連接桿 | 組立 Connecting Plate complete | 1 | A130C094G02 |
| 669 | M9 1106 001 | 止メネジ | 11/64(40)×3.7 Screw 11/64(40)×3.7 | 1 | B509266H01 |
| 670 | M9 1127 002 | 平ネジ | 11/64(40)×4 Screw 11/64(40)×4 | 2 | W500193H02 |
| 671 | M9 1202 045 | ナット | 3/16(28) Nut 3/16(28) | 1 | W500001H01 |
| 672 | MN 40A0 436 | ジュウドウリンク | WiPer connecting rod | 1 | A141D160H01 |
| 673 | M9 1251 016 | 丸平ネジ | 段付3/16(53)×5 Screw 3/16(53)×5 | 1 | W501953H01 |
| 674 | MN 50E1 980 | 糸サバキ | 右 Thread take-up controller (right) | 1 | A130C484H02 |
| 675 | MN 50A1 454 | 軸 | (3/32～1/2) Rod | 1 | A140D332H01 |
| 676 | MN 50E0 980 | 糸サバキ | 左 Thread take-up controller (left) | 1 | A130C484H01 |
| 677 | M9 0813 002 | 平ネジ | 1/8(44)4.4 Screw 1/8(44)×4.4 | 2 | W501391H01 |
| 678 | M9 1101 045 | ナット | 11/64(40) Nut 11/64(40) | 1 | W500657H01 |
| 679 | M9 0909 003 | 丸平ネジ | 9/64(40)×6 Screw 9/64(40)×6 | 1 | W501901H01 |

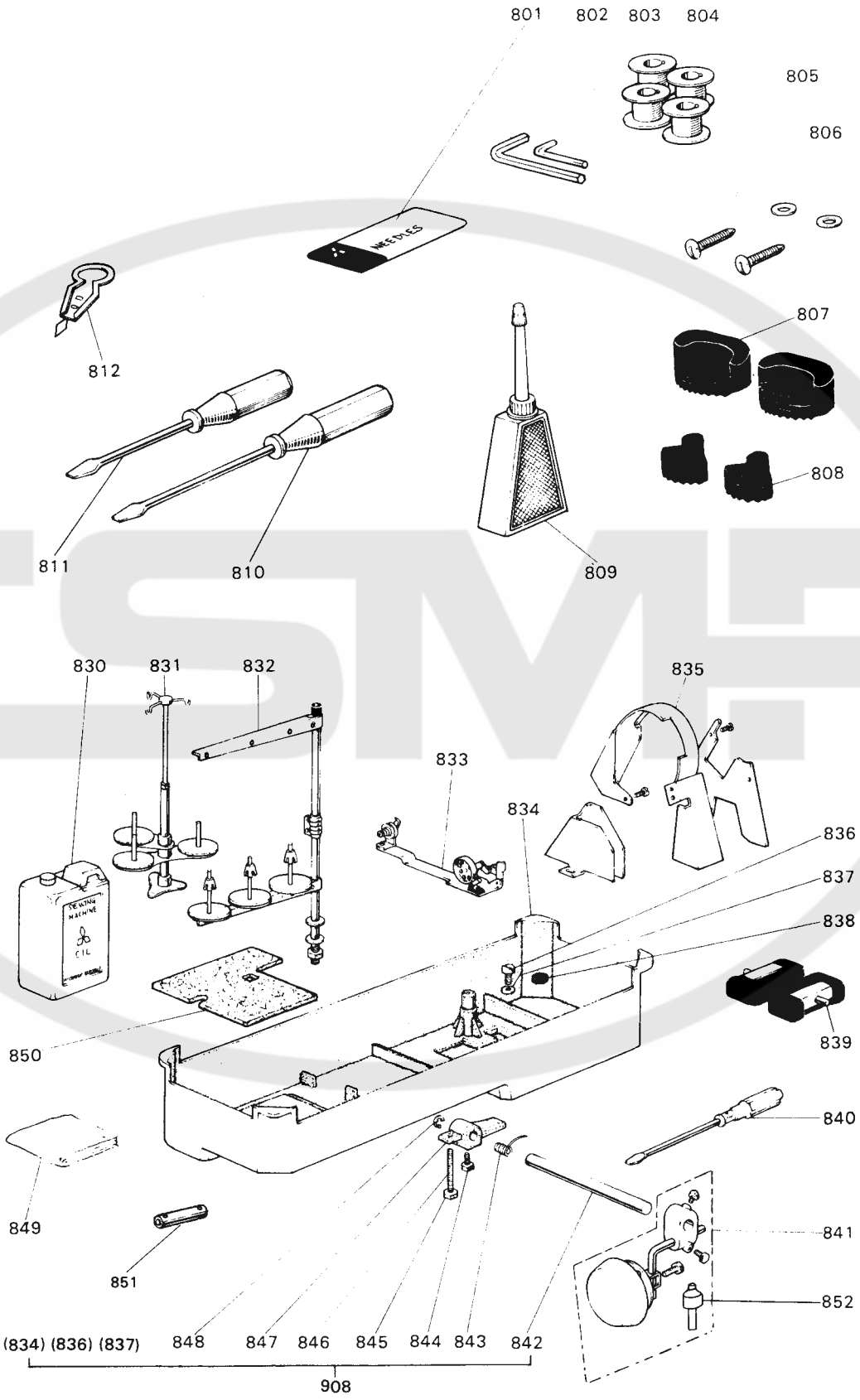
## 12 給油機構
## OIL LUBRICATION MECHANISM



## 12 給油機構
## OIL LUBRICATION MECHANISM

| Fig. No. | 部品コード Part.No. | 部品名 | Description | 使用個数 Amt. Req. LT2-220 MOB | LT2-220 BOB | LT2-230 M11-HW | LT2-230 BIT | 資財コード Ref. No. |
|---|---|---|---|---|---|---|---|---|
| 690 | MP 40A2 740 | フェルト | Felt | 1 | 1 | 1 | 1 | A140D539H01 |
| 691 | MP 40E2 688 | パイプヒモ (組) | Oil pipe & wick complete | 1 | 1 | 1 | 1 | A130C083G01 |
| 692 | MP 40E0 688 | パイプヒモ (組) | Oil pipe & wick complete | 1 | 1 | 1 | 1 | A140D867G01 |
| 693 | MN 40E0 138 | オイルタンク (組) | Oil tank complete | 1 | 1 | 1 | 1 | A140D336G01 |
| 694 | M9 0411 037 | Pナベネジ | M4×16 Screw M4×16 | 2 | 2 | 2 | 2 | S900N032P16 |
| 695 | MP 40A0 689 | ホルダ | Holder | 1 | 1 | 1 | 1 | A140D858H01 |
| 696 | MP 40A0 688 | パイプ | 3D×1×400 Pipe | 1 | 1 | 1 | 1 | W488987H03 |
| 697 | MP 40A1 688 | パイプ | 5D×1×400 Pipe | 1 | 1 | 1 | 1 | A140D551H01 |
| 698 | MP 40E1 688 | パイプ・フェルト (組) | Pipe & felf complete | 1 | 1 | 1 | 1 | A140D920G01 |
| 699 | M9 0903 002 | 平ネジ | 9/64(40)×6.5 Screw 9/64(40)×6.5 | 7 | 7 | 7 | 7 | B509065H01 |
| 700 | M9 0304 053 | バネ座金 | 3.5 Rpring washer3.5 | 1 | 1 | 1 | 1 | S913N210P03 |
| 701 | MF 10A0 689 | ホルダ | Holder | 1 | 1 | 1 | 1 | W444230H01 |
| 702 | MP 40A1 689 | ホルダ | Holder | 1 | 1 | 1 | 1 | A140D384H01 |
| 703 | M9 0906 002 | 平ネジ | 9/64(40)×4.5 Screw 9/64(40)×4.5 | 7 | 7 | 7 | 7 | W500791H01 |
| 704 | M9 1111 001 | 止メネジ | 11/64(40)×9.6 Screw 11/64(40)×9.6 | 2 | 2 | 2 | 2 | B503852H01 |
| 705 | MN 40A0 750 | ブッシュ | Bushing | 1 | 1 | 1 | 1 | A140D120H01 |
| 706 | MP 40A2 688 | パイプ | 3D×90 Pipe | 2 | 2 | 2 | 2 | W488987H10 |
| 707 | M9 5007 063 | 特殊ピン | Pin | 1 | 1 | 1 | 1 | W461713H03 |
| 708 | MN 40A1 572 | ツルマキバネ | Spring | 1 | 1 | 1 | 1 | A140D121H01 |
| 709 | MN 40A0 705 | バネ押エ | Spring holder | 1 | 1 | 1 | 1 | A140D122H01 |
| 710 | M9 0805 002 | 平ネジ | 1/8(44)×4.5 Screw 1/8(44)×4.5 | 1 | 1 | 1 | 1 | B508852H01 |
| 711 | MN 40E0 337 | フィルター | Filter | 1 | 1 | 1 | 1 | A140D126H01 |
| 712 | M9 0908 003 | 丸平ネジ | 9/64(40)×5 Screw 9/64(40)×5 | 2 | 2 | 2 | 2 | W502003H01 |
| 713 | MN 40E0 601 | 取付板 (組) | Base plate complete | 1 | 1 | 1 | 1 | A130C084G02 |
| 714 | MP 40A4 689 | ホルダ | Pipe holder | 1 | 1 | 1 | 1 | A140D127H01 |
| 715 | M9 0920 002 | 平ネジ | 9/64(40)×6.5 Screw 9/64(40)×6.5 | 1 | 1 | 1 | 1 | W501523H01 |
| 716 | M9 1118 002 | 平ネジ | 11/64(40)×10 Screw 11/64(40)×10 | 2 | 2 | 2 | 2 | B509061H01 |
| 718 | MP 40A0 571 | 油ツギテ | Pipe connecter | 1 | 1 | 1 | 1 | A140D571H01 |
| 719 | MP 40A2 689 | ホルダ | Pipe holder | 1 | 1 | 1 | 1 | A140D385H01 |
| 720 | MP 40A3 688 | パイプ | 3D×1×300 Pipe | 1 | 1 | 1 | 1 | W488897H12 |
| 721 | MF 10A0 689 | ホルダ | Pipe holder | 4 | 4 | 4 | 4 | W444230H01 |
| 722 | MN 50E0 742 | フタ (組) | Cover complete | 2 | 2 | 2 | 2 | A130C090G01 |
| 723 | MN 50A0 148 | ヒモ | 2.5×65 Oil wick | 2 | 2 | 2 | 2 | W488988H11 |
| 724 | MN 50A1 148 | ヒモ | 2.5×545 Oil wick | 1 | 1 | 1 | 1 | W488988H16 |
| 725 | MP 40A5 688 | パイプ | 3D×0.5×410 Pipe | 1 | 1 | 1 | 1 | W484810H08 |
| 726 | MP 40A4 688 | パイプ | 3D×1×445 Pipe | 1 | 1 | 1 | 1 | W488897H13 |
| 727 | MP 40A3 689 | ホルダ | Pipe holder | 3 | 3 | 3 | 3 | A140D455H01 |
| 728 | MP 40E3 688 | パイプヒモ クミタテ | Oil pipe & wick complete | 1 | 1 | 1 | 1 | A140D582G01 |
| 729 | MP 40E4 688 | パイプヒモ クミタテ | Oil pipe & wick complete | 1 | 1 | 1 | 1 | A140D907G01 |

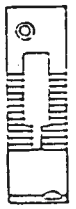
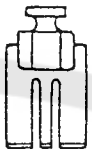
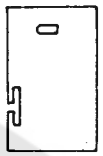
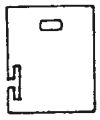
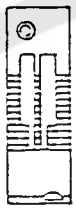
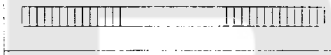
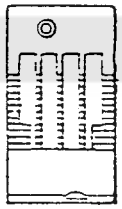
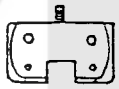
## 13 付属品
## ACCESSORIES



# 13 付属品
# ACCESSORIES

| Fig. No. | 部品コード Part.No. | 部品名 | | Name of Part | 使用個数 Amt. Req. LT2-220 | MOB | LT2-220 | MOB | LT2-230 | MT2-W | LT2-230 | BIT | 資財コード Ref. No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 801 | MV 01A0 128 | ミシン針 | DP×5 #14 | Needle DP×5 #14 | 6 | | 6 | | | | | | S970004H02 |
| | MN 42A0 128 | ミシン針 | DP×5 #21 | Needle DP×5 #21 | | 6 | | 6 | | | | | S970004H06 |
| 802 | MF 90A0 976 | 六角棒スパナ | 1/8 | Socket wrench 1/8 | | | | 1 | 1 | | | | W462660H01 |
| 803 | MF 90A1 976 | 六角棒スパナ | 2.5 | Socket wrench 2.5 | | | | 1 | 1 | | | | W488545H02 |
| 804 | MN 40A0 123 | ボビン | | Bobbin | 4 | | | | | | | | P976017X01 |
| | MN 12B0 123 | ボビン | | Bobbin | | 4 | | | | | | | P976002X01 |
| | MN 50A1 123 | ボビン | | Bobbin | | | | 4 | | | | | A140D130H03 |
| | MN 52A0 123 | ボビン | | Bobbin | | | | | 4 | | | | A140D736H01 |
| 805 | M9 0403 041 | 丸木ネジ | 4.5×20 | Screw 4.5×20 | 2 | 2 | 2 | 2 | | | | | S908N159P01 |
| 806 | M9 0601 050 | ミガキ座金 | 6 | Washer 6 | 2 | 2 | 2 | 2 | | | | | S913N040P06 |
| 807 | MN 50A0 419 | 防振ゴム | | Vibration preventing rubber | 2 | 2 | 2 | 2 | | | | | W476426H03 |
| 808 | MN 50A1 419 | 防振ゴム | | Vibration preventing rubber | 2 | 2 | 2 | 2 | | | | | W476426H03 |
| 809 | MF 60A0 137 | 油差し | | Oiler | 1 | 1 | 1 | 1 | | | | | P831002X01 |
| 810 | MB 02A0 609 | ネジ回し | (中) | Screw driver(middle) | 1 | 1 | 1 | 1 | | | | | P842003X01 |
| 811 | MB 02A1 608 | ネジ回し | (小) | Screw driver(small) | 1 | 1 | 1 | 1 | | | | | P842002X01 |
| 812 | MN 10A0 172 | 糸通し器 | (組) | Thread a needle kit | 1 | 1 | 1 | 1 | | | | | W479330G01 |
| 830 | MF 10E0 149 | 油缶 | | Oil can | 1 | 1 | 1 | 1 | | | | | W227466H01 |
| 831 | MN 10E0 193 | 糸立装置 | 3本立(組) | Cotton stand | 1 | 1 | | | | | | | P995006X01 |
| 832 | MN 50E0 193 | 糸立装置 | 3本立(組) | Cotton stand | | | 1 | 1 | | | | | A190D081P01 |
| 833 | MF 20E0 190 | 糸巻仕掛 | (組) | Bobbin winder | 1 | | 1 | | | | | | P992002X01 |
| | MF 67E0 190 | 糸巻仕掛 | (組) | Bobbin winder | | 1 | | 1 | | | | | P992004X01 |
| 834 | MN 40A0 139 | 油槽 | | Oil reservoir | 1 | 1 | 1 | 1 | | | | | A110A025H03 |
| 835 | MN 20E0 776 | ベルトカバー | (組)(国内のみ) | (Belt cover complete) | 1 | 1 | | | | | | | W341683G01 |
| | MN 50E0 776 | ベルトカバー | (組)(国内のみ) | (Belt cover complete) | | | 1 | 1 | | | | | A130C159G01 |
| 836 | M9 2001 004 | 平ネジ | 5/16(28)×8.2 | Screw 5/16(28)×8.2 | 1 | 1 | 1 | 1 | | | | | W486334H01 |
| 837 | M9 7001 052 | 特殊座金 | 14 | Washer 14 | 1 | 1 | 1 | 1 | | | | | W470200H01 |
| 838 | M9 0701 099 | OP-S磁石 | | Magnet block for reservoir | 1 | 1 | 1 | 1 | | | | | P463000X01 |
| 839 | MF 70E0 418 | 蝶番 | (組) | Hinge complete | 2 | 2 | 2 | 2 | | | | | W481678G01 |
| 840 | MF 60A0 608 | ネジ回し | (大) | Screw driver (large) | 1 | 1 | 1 | 1 | | | | | W319408H01 |
| 841 | MN 40E0 727 | 小物部品 | (組) | Small parts | 1 | 1 | 1 | 1 | | | | | W341682G06 |
| 842 | MF 20A1 723 | 膝上ゲ軸 | | Knee lifter shaft | 1 | 1 | 1 | 1 | | | | | W478169H02 |
| 843 | MF 20A1 729 | ヒネリバネ | | Spring | 1 | 1 | 1 | 1 | | | | | W479331H01 |
| 844 | M9 2001 031 | 特殊ボルト | | Bolt | 1 | 1 | 1 | 1 | | | | | B509174H01 |
| 845 | M9 1506 045 | ナット | 15/64(28) | Nut 15/64(28) | 1 | 1 | 1 | 1 | | | | | W472741H01 |
| 846 | M9 1520 001 | 止メネジ | 15/64(28)×27 | Screw 15/64(28)×27 | 1 | 1 | 1 | 1 | | | | | B503980H01 |
| 847 | MP 40A0 724 | 膝上ゲ腕 | | Knee lifter crank | 1 | 1 | 1 | 1 | | | | | A140D204H01 |
| 848 | M9 0515 065 | E形止メ輪 | 9 | E-type stop ring 9 | 1 | 1 | 1 | 1 | | | | | S922N210P90 |
| 849 | MF 60A0 734 | ビニールカバー | | Vinyl cover | 1 | 1 | 1 | 1 | | | | | W220627H02 |
| 850 | MN 40A0 740 | フェルト | | Felt | 1 | 1 | 1 | 1 | | | | | A130C427H02 |
| 851 | MN 50A4 454 | 軸(糸サバキ用) | (5/8～1 1/2) | Rod (Thread take-up,complete) | | | 1 | | | | | | A130C332H02 |
| 852 | MN 40A0 578 | 膝上ゲピン | | Knee lifter pin | 1 | 1 | 1 | 1 | | | | | A130C089G01 |
| 908 | MN 40E0 139 | 油槽 | (組) | Oil reservoir complete | 1 | 1 | 1 | 1 | | | | | A130C158G01 |

## ⑭ ゲージ部品表
## GAUGE PARTS LIST

| 針　板 Needle Plate | | 送　り Feed Dog | | 押　え | 針 ダ キ | スベリ板(左) | スベリ板(右) |
|---|---|---|---|---|---|---|---|
| LT2-220<br>MOB, BOB | LT2-230<br>M1TW, B1T | LT2-220-MOB BOB<br>LT2-230-M1TW | LT2-230-B1T<br>LT2-230 (デニム Denim) | Presser Foot | Needle Clamp | Slide Plste(L) | Slide Plate(R) |
| |  | | |  | |  |  |
| 3/32～5/32 | 3/32～5/32(3/16) | 3/32～5/32(3/16) | 3/32～5/32(3/16) | LT2-220BOB<br>LT2-230B1T<br>3/32～1 1/4 | | | |
| |  | | | | | | |
| 3/16～3/8 | 3/16～3/8 | 3/16～3/8 | 3/16～3/8 | | | | |
| | | | | | 3/32～5/8 | Fig 551 | 植え込みボルト<br>Connecting bolt |
| 1/2～3/4 | 1/2～3/4 | 1/2～3/4 | 1/2～3/4 | LT2-220MOB<br>LT2-230M1TW<br>3/32～1 1/2 | |  | |
| |  | | | |  <br>3/4～1 1/2 | 3/32～5/8 | 3/4～1 1/2 |
| 1～1 1/2 | 1"～1 1/4 | 1"～1 1/2 | 1"～1 1/4 | | | M95004023 | M95006023 |

## ● ゲージ部品共通性一覧表
## Comparison List for Gauge parts

| 機種名 Model Name ＼ 部品名 Part Name | | 針 ダ キ Needle Clamp | 押　え Presser Foot | 送　り Feed Dog | 針　板 Needle Plate | スベリ板 Slide Plate 左 (L) | スベリ板 Slide Plate 右 (R) | 備　考 Remarks |
|---|---|---|---|---|---|---|---|---|
| 糸切りナシ With Trimmer | LT2-220MOB (5㎜送り・Feed) | DN260-10 | | | | | | |
| 糸切りナシ With Trimmer | LT2-220BOB (7㎜送り・Feed) | DN260-10 | DN275-20 | DN260-20 | DN275-20 | DN260-10 | | |
| 糸切り付 With Trimmer | LT2-230M1TW (5㎜送り・Feed) | DN260-10 | | 専用 Special | | | | |
| 糸切り付 With Trimmer | LT2-230B1T (7㎜送り・Feed) | DN260-20 | DN275-20 | 専用 Special | | LT2-230M1TW | | |

## 14 ゲージ部品表
# GAUGE PARTS LIST

部品コード　Parts No.

| 針巾寸法 Gauge Size | 針　板 Needle Plate | 送　り Feed Dog | 送り(デニム) Feed Dog (for Denim) | 押　工 Presser foot | 針タキ Needle Clamp | スベリ板(左) Slide plate(L) | スベリ板(右) Slide plate(R) |
|---|---|---|---|---|---|---|---|
| Type LT2-220MOB | | | | | | | |
| 3/32 ( 2.4m/m) | MN10J3101 | MN10J3104 | | MN10J3105 | MN10J3102 | MN10A0473 | MN10A0474 |
| 1/8 ( 3.2m/m) | MN10J4101 | MN10J4104 | | MN10J4105 | MN10J4102 | 〃 | 〃 |
| 5/32 ( 4 m/m) | MN10J5101 | MN10J5104 | | MN10J5105 | MN10J5102 | 〃 | 〃 |
| 3/16 ( 4.8m/m) | MN10J6101 | MN10J6104 | | MN10J6105 | MN10J6102 | 〃 | 〃 |
| 7/32 ( 5.6m/m) | MN10J7101 | MN10J7104 | | MN10J7105 | MN10J7102 | 〃 | 〃 |
| 1/4 ( 6.4m/m) | MN10J8101 | MN10J8104 | | MN10J8105 | MN10J8102 | 〃 | 〃 |
| 5/16 ( 8 m/m) | MN10J9101 | MN10J9104 | | MN10J9105 | MN10J9102 | MP20B1473 | 〃 |
| 3/8 ( 9.5m/m) | MN10K1101 | MN10K1104 | | MN10K1105 | MN10K1102 | 〃 | 〃 |
| 1/2 (12.7m/m) | MN10K3101 | MN10K3104 | | MN10K3105 | MN10K3102 | MP00B0473 | 〃 |
| 5/8 (16 m/m) | MN10K4101 | MN10K4104 | | MN10K4105 | MN10K4102 | 〃 | 〃 |
| 3/4 (19 m/m) | MN10K5101 | MN10K5104 | | MN10K5105 | MN10K5102 | MN10A1473 | MP20B2474 |
| 1 (25.4m/m) | MN10K6101 | MN10K6104 | | MN10K6105 | MN10K6102 | MP20B3473 | 〃 |
| 1 1/8 (28.5m/m) | MN10K7101 | MN10K7104 | | MN10K7105 | MN10K7102 | MN40A0473 | 〃 |
| 1 1/4 (31.8m/m) | MN10K8101 | MN10K8104 | | MN10K8105 | MN10K8102 | 〃 | 〃 |
| 1 1/2 (38 m/m) | MN10K9101 | MN10K9104 | | MN10K9105 | MN10K9102 | MN40A1473 | 〃 |
| Type LT2-220MOB | | | | | | | |
| 3/32 ( 2.4m/m) | MN42J3101 | MN10J3104 | | MN52J3105 | MN10J3102 | MN10A0473 | MN10A0474 |
| 1/8 ( 3.2m/m) | MN26J4101 | MN12J4104 | | MN26J4105 | MN10J4102 | 〃 | 〃 |
| 5/32 ( 4 m/m) | MN42J5101 | MN12J5104 | | MN52J5105 | MN10J5102 | 〃 | 〃 |
| 3/16 ( 4.8m/m) | MN26J6101 | MN26J6104 | | MN26J6105 | MN10J6102 | 〃 | 〃 |
| 7/32 ( 5.6m/m) | MN42J7101 | MN12J7104 | | MN52J7105 | MN10J7102 | 〃 | 〃 |
| 1/4 ( 6.4m/m) | MN26J8101 | MN26J8104 | | MN26J8105 | MN10J8102 | 〃 | 〃 |
| 5/16 ( 8 m/m) | MN26J9101 | MN26J9104 | | MN26J9105 | MN10J9102 | MP20B1473 | 〃 |
| 3/8 ( 9.5m/m) | MN26K1101 | MN26K1104 | | MN26K1105 | MN10K1102 | 〃 | 〃 |
| 1/2 (12.7m/m) | MN26K3101 | MN12K3104 | | MN26K3105 | MN10K3102 | MP00B0473 | 〃 |
| 5/8 (16 m/m) | MN42K4101 | MN12K4104 | | MN52K4105 | MN10K4102 | 〃 | 〃 |
| 3/4 (19 m/m) | MN42K5101 | MN12K5104 | | MN52K5105 | MN10K5102 | MN10A1473 | MP20B2474 |
| 1 (25.4m/m) | MN42K6101 | MN12K6104 | | MN52K6105 | MN10K6102 | MP20B3473 | 〃 |
| 1 1/8 (28.5m/m) | MN42K7101 | MN12K7104 | | MN52K7105 | MN10K7102 | MN40A0473 | 〃 |
| 1 1/4 (31.8m/m) | MN42K8101 | MN12K8104 | | MN52K8105 | MN10K8102 | 〃 | 〃 |
| Type LT2-230M1TW | | | | | | | |
| 3/32 ( 2.4m/m) | MN50J3101 | MN50J3104 | MN51J3104 | MN10J3105 | MN10J3102 | MN50A0473 | MN50A0474 |
| 1/8 ( 3.2m/m) | MN50J4101 | MN50J4104 | MN51J4104 | MN10J4105 | MN10J4102 | 〃 | 〃 |
| 5/32 ( 4.0m/m) | MN50J5101 | MN50J5104 | MN51J5104 | MN10J5105 | MN10J5102 | 〃 | 〃 |
| (3/16)( 4.8m/m) | MN50J6101 | MN50J6104 | MN51J6104 | MN10J6105 | MN10J6102 | 〃 | 〃 |
| 3/16 ( 4.8m/m) | MN50H6101 | MN50H6104 | MN51H6104 | MN10J6105 | MN10J6102 | 〃 | 〃 |
| 7/32 ( 5.6m/m) | MN50J7101 | MN50J7104 | MN51J7104 | MN10J7105 | MN10J7102 | 〃 | 〃 |
| 1/4 ( 6.4m/m) | MN50J8101 | MN50J8104 | MN51J8104 | MN10J8105 | MN10J8102 | 〃 | 〃 |
| 5/16 ( 8.0m/m) | MN50J9101 | MN50J9104 | MN51J9104 | MN10J9105 | MN10J9102 | MN50A1473 | 〃 |
| 3/8 ( 9.5m/m) | MN50K1101 | MN50K1104 | MN51K1104 | MN10K1105 | MN10K1102 | 〃 | 〃 |
| 1/2 (12.7m/m) | MN50K3101 | MN50K3104 | MN51K3104 | MN10K3105 | MN10K3102 | MN50A2473 | 〃 |
| 5/8 (16.0m/m) | MN50K4101 | MN50K4104 | MN51K4104 | MN10K4105 | MN10K4102 | 〃 | 〃 |
| 3/4 (19.0m/m) | MN50K5101 | MN50K5104 | MN51K5104 | MN10K5105 | MN10K5102 | MN50A3473 | MN50A1474 |
| 1" (25.4m/m) | MN50K6101 | MN50K6104 | MN51K6104 | MN10K6105 | MN10K6102 | MN50A4473 | 〃 |
| 1 1/8 (28.5m/m) | MN50K7101 | MN50K7104 | MN51K7104 | MN10K7105 | MN10K7102 | MN50A5473 | 〃 |
| 1 1/4 (31.8m/m) | MN50K8101 | MN50K8104 | MN51K8104 | MN10K8105 | MN10K8102 | 〃 | 〃 |
| Type LT2-230B1T | | | | | | | |
| 3/32 ( 2.4m/m) | MN52J3101 | MN52J3104 | | MN52J3105 | MN10J3102 | MN50A0473 | MN50A0474 |
| 1/8 ( 3.2m/m) | MN52J4101 | MN52J4104 | | MN26J4105 | MN10J4102 | 〃 | 〃 |
| 5/32 ( 4.0m/m) | MN52J5101 | MN52J5104 | | MN52J5105 | MN10J5102 | 〃 | 〃 |
| (3/16)( 4.8m/m) | MN52J6101 | MN52J6104 | | MN26J6105 | MN10J6102 | 〃 | 〃 |
| 3/16 ( 4.8m/m) | MN52H6101 | MN52H6104 | | MN26J6105 | MN10J6102 | 〃 | 〃 |
| 7/32 ( 5.6m/m) | MN52J7101 | MN52J7104 | | MN52J7105 | MN10J7102 | 〃 | 〃 |
| 1/4 ( 6.4m/m) | MN52J8101 | MN52J8104 | | MN26J8105 | MN10J8102 | 〃 | 〃 |
| 5/16 ( 8.0m/m) | MN52J9101 | MN52J9104 | | MN26J9105 | MN10J9102 | MN50A1473 | 〃 |
| 3/8 ( 9.5m/m) | MN52K1101 | MN52K1104 | | MN26K1105 | MN10K1102 | 〃 | 〃 |
| 1/2 (12.7m/m) | MN52K3101 | MN52K3104 | | MN26K3105 | MN10K3102 | MN50A2427 | 〃 |
| 5/8 (16.0m/m) | MN52K4101 | MN52K4104 | | MN52K4105 | MN10K4102 | 〃 | 〃 |
| 3/4 (19.0m/m) | MN52K5101 | MN52K5104 | | MN52K5105 | MN10K5102 | MN50A3473 | MN50A1474 |
| 1" (25.4m/m) | MN52K6101 | MN52K6104 | | MN52K6105 | MN10K6102 | MN50A4473 | 〃 |
| 1 1/8 (28.5m/m) | MN52K7101 | MN52K7104 | | MN52K7105 | MN10K7102 | MN50A5473 | 〃 |
| 1 1/4 (31.8m/m) | MN52K8101 | MN52K8104 | | MN52K8105 | MN10K8102 | 〃 | 〃 |