

# MITSUBISHI

## 三菱工業用ミシン部品カタログ

## Industrial Sewing Machine Parts Catalog

Model    PLK-E1010

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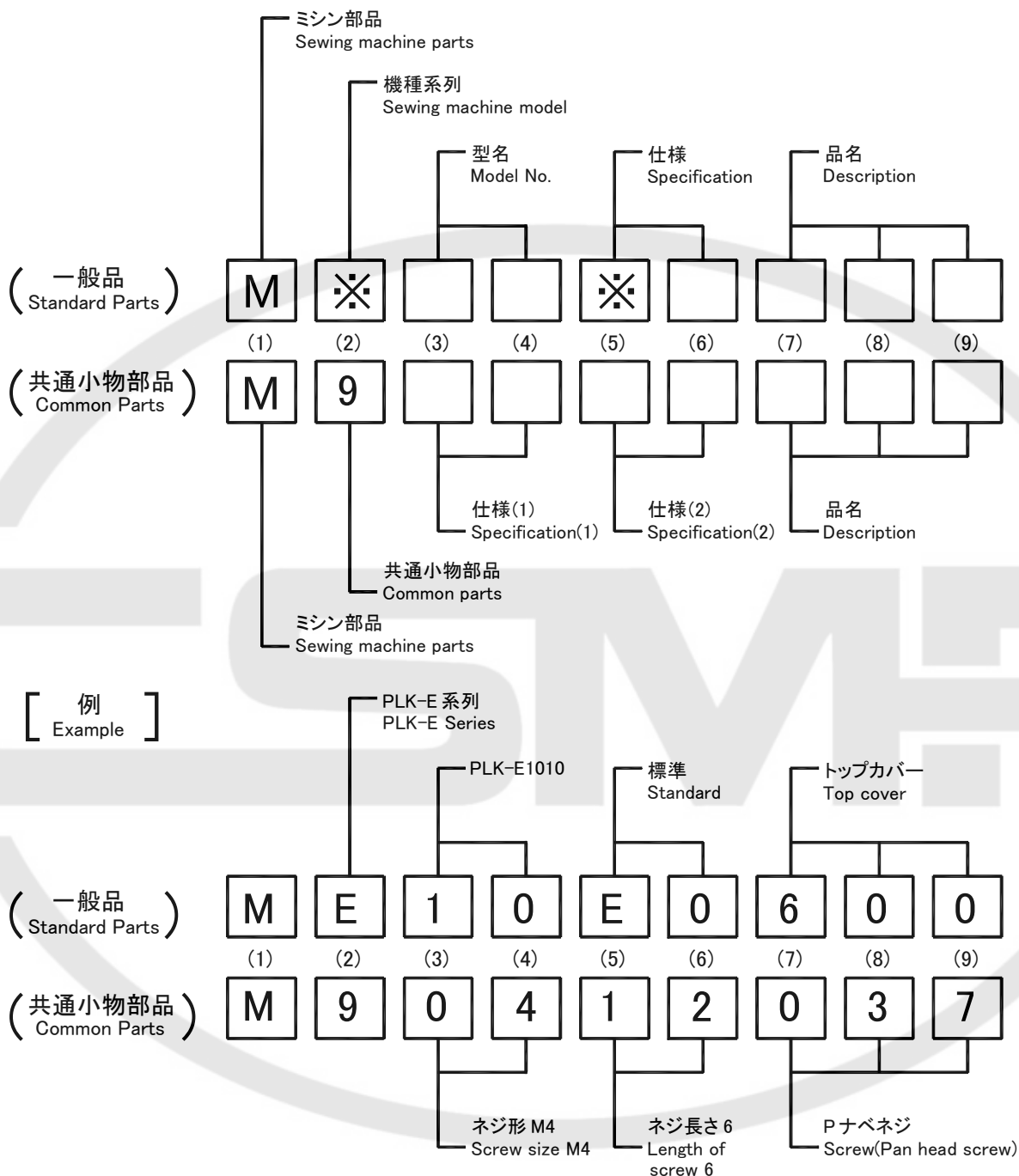
## 部品コードの採番形式

### MITSUBISHI SPARE PARTS No. Designation system

#### 1. 部品コードについて CONCERNING PARTS CODE.

部品をご注文される場合は、部品コードをお知らせください。

Please inform the part number, when these parts are ordered.



#### 2. 変更マークについて CONCERNING MODIFICATION MARK.

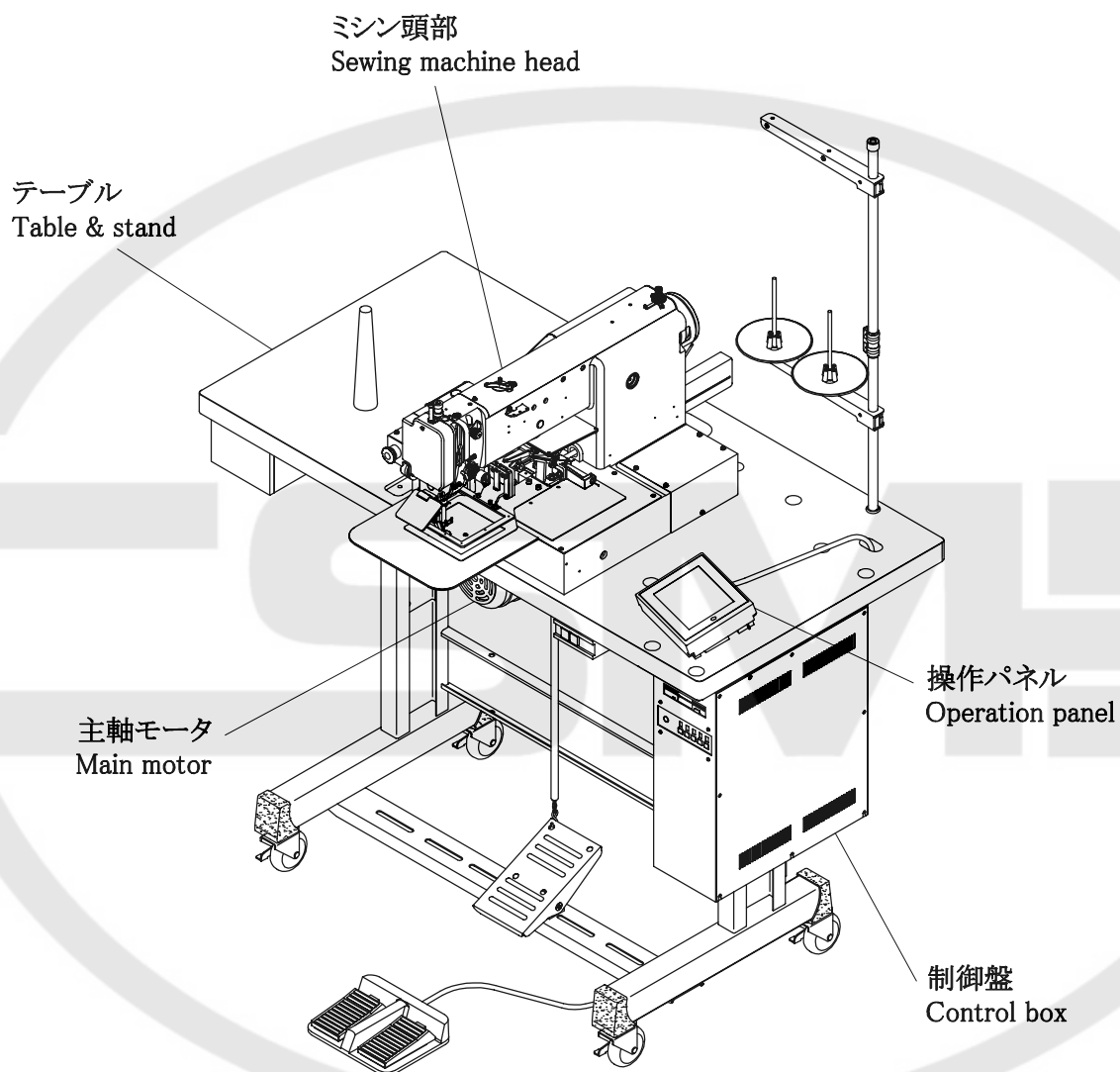
変更マーク欄に \* 記号のある部品は、形状、寸法などの変更履歴がありますので、ご注文の際にはご使用の製品の製造番号と合わせてご覧ください。

The parts marked with \* in the modification column has been changed the shape or size etc. So when these modified parts are ordered please inform the serial number of the sewing machine.

注：一般品についての機種型名は、その部品が最初に使用された機種型名を示します。  
従って長期にわたる場合は、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 firstly. Parts are used for not only the indicated model, but also another models, in reason of New development, improvement after.

## A 全体構成 CONSTRUCTION



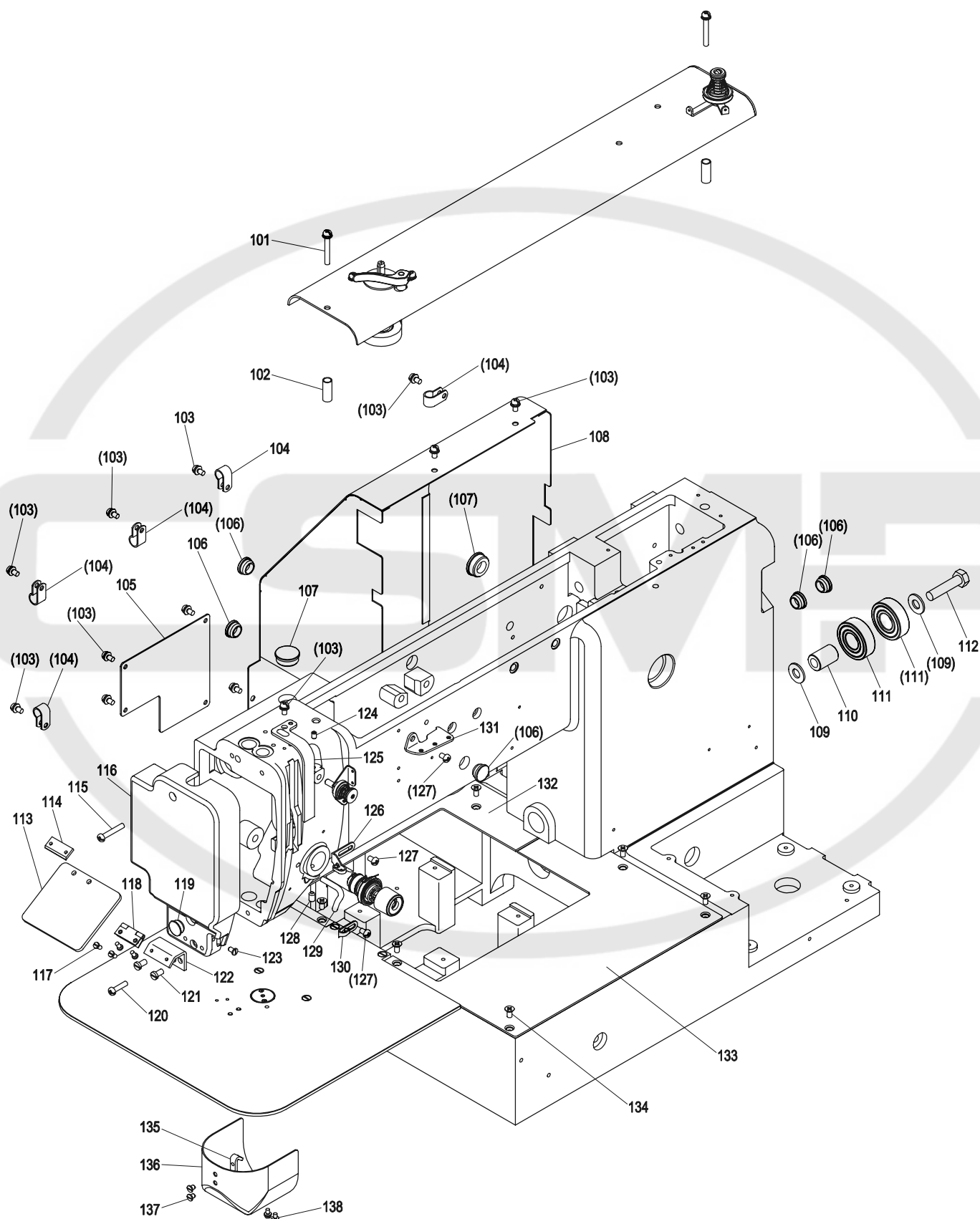
注1：モータ部分は三菱リミサーボX部品カタログを参照ください。

注2：Fig.No.の採番していない部品は単体で支給することは出来ません。Setにて支給いたします。

Remarks 1) Concerning about the motor parts please refer to the parts catalog of MITSUBISHI LIMISERVO X.

Remarks 2) The parts which Fig.No are not marked are not available individually. It can be supplied with the whole component.

**B 本体関係(1)**  
**ARM BED & IT'S ACCESSORIES(1)**

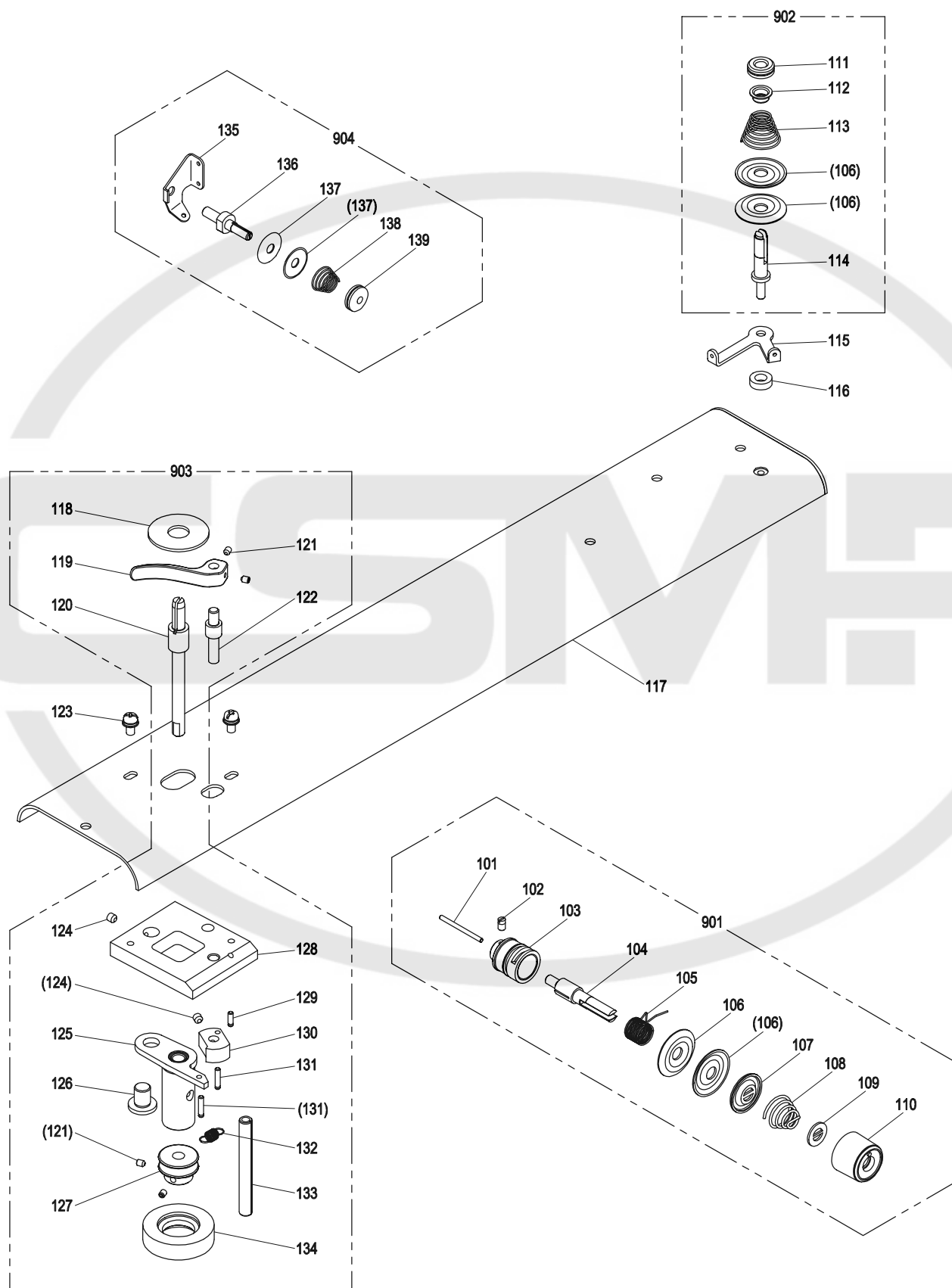


[B] 本体関係(1)

ARM BED & IT'S ACCESSORIES (1)

| Fig<br>no. | 変更<br>Mod. | 部品コード<br>Parts no. | 品 名                 | Description                | 数量<br>Amt. Req. |
|------------|------------|--------------------|---------------------|----------------------------|-----------------|
| B 101      |            | M91276004          | SW-PWプラマイナヘネジ M4X30 | Screw M4X30                | 2               |
| B 102      |            | MB62A0352          | スペーサ 1382312-60200  | Spacer                     | 2               |
| B 103      |            | M91054004          | SW-PWプラマイナヘネジ M4X8  | Screw M4X8                 | 14              |
| B 104      |            | MN60A0620          | ナイロンクリップ AB-5N      | Nylon clip AB-5N           | 5               |
| B 105      |            | ME10A0742          | フタ                  | Cover                      | 1               |
| B 106      |            | M91304080          | ゴムセン φ13            | Rubber plug φ13            | 5               |
| B 107      |            | M91910080          | ゴムセン φ19            | Rubber plug φ19            | 2               |
| B 108      |            | ME10E0849          | モータカバー              | Motor cover                | 1               |
| B 109      |            | M90823050          | ミガキサガネ 8            | Washer 8                   | 2               |
| B 110      |            | MB60A0750          | ブッシュ                | Bushing                    | 1               |
| B 111      |            | MS10A1456          | ジクウケ 6202ZZ         | Bearing                    | 2               |
| B 112      |            | M92057022          | ロックアナツキホルト M8X35    | Bolt M8X35                 | 1               |
| B 113      |            | MS01A0160          | アイガード               | Eye guard                  | 1               |
| B 114      |            | MS01A0477          | ストッパ                | Adapter                    | 1               |
| B 115      |            | M90447037          | プラマイナヘネジ M4X25      | Screw M4X25                | 1               |
| B 116      |            | ME10E0830          | メンタ                 | Face cover                 | 1               |
| B 117      |            | M90806002          | ヒラネジ 1/8(44)X6      | Screw 1/8(44)X6            | 4               |
| B 118      |            | MS01A1739          | ヒンジ                 | Hinge                      | 1               |
| B 119      |            | M91180080          | ゴムセン φ11.8          | Rubber plug φ11.8          | 1               |
| B 120      |            | M90442037          | プラマイナヘネジ M4X16      | Screw M4X16                | 1               |
| B 121      |            | M91110002          | ヒラネジ 11/64(40)X8    | Screw 11/64(40)X8          | 2               |
| B 122      |            | MB60A0601          | アイガードトリツケイタ         | Eye guard bracket          | 1               |
| B 123      |            | M90908003          | マルヒラネジ 9/64(40)X6   | Screw 9/64(40)X6           | 1               |
| B 124      |            | M91053020          | ロックアナツキメネジ M4X6     | Screw M4X6                 | 1               |
| B 125      |            | MA20A0584          | テンビンカバー             | Thread take-up lever guard | 1               |
| B 126      |            | MG43A0181          | イトアンナイ              | Thread guide               | 1               |
| B 127      |            | M91011004          | プラマイナヘネジ M4X6       | Screw M4X6                 | 3               |
| B 128      |            | M95004020          | ロックアナツキメネジ M5X8     | Screw M5X8                 | 1               |
| B 129      |            | MF70A1180          | イトアンナイ              | Thread guide               | 1               |
| B 130      |            | MF10A0181          | イトアンナイ              | Thread guide               | 1               |
| B 131      |            | MF36A1180          | イトアンナイ              | Thread guide               | 1               |
| B 132      |            | ME10A0339          | X カバーイタ (L)         | X Cover plate (L)          | 1               |
| B 133      |            | ME10A1339          | X カバーイタ (R)         | X Cover plate (R)          | 1               |
| B 134      |            | M91400010          | Pサラネジ M4X8          | Screw M4X8                 | 8               |
| B 135      |            | MS01A0361          | カケガネ                | Latch                      | 1               |
| B 136      |            | MB60E6339          | シリンダーカバー            | Cylinder cover             | 1               |
| B 137      |            | M90906003          | マルヒラネジ 9/64(40)X3.2 | Screw 9/64(40)X3.2         | 2               |
| B 138      |            | M90859004          | SW-PWプラマイナヘネジ M3X6  | Screw M3X6                 | 2               |

**C 本体関係(2)**  
**ARM BED & IT'S ACCESSORIES(2)**

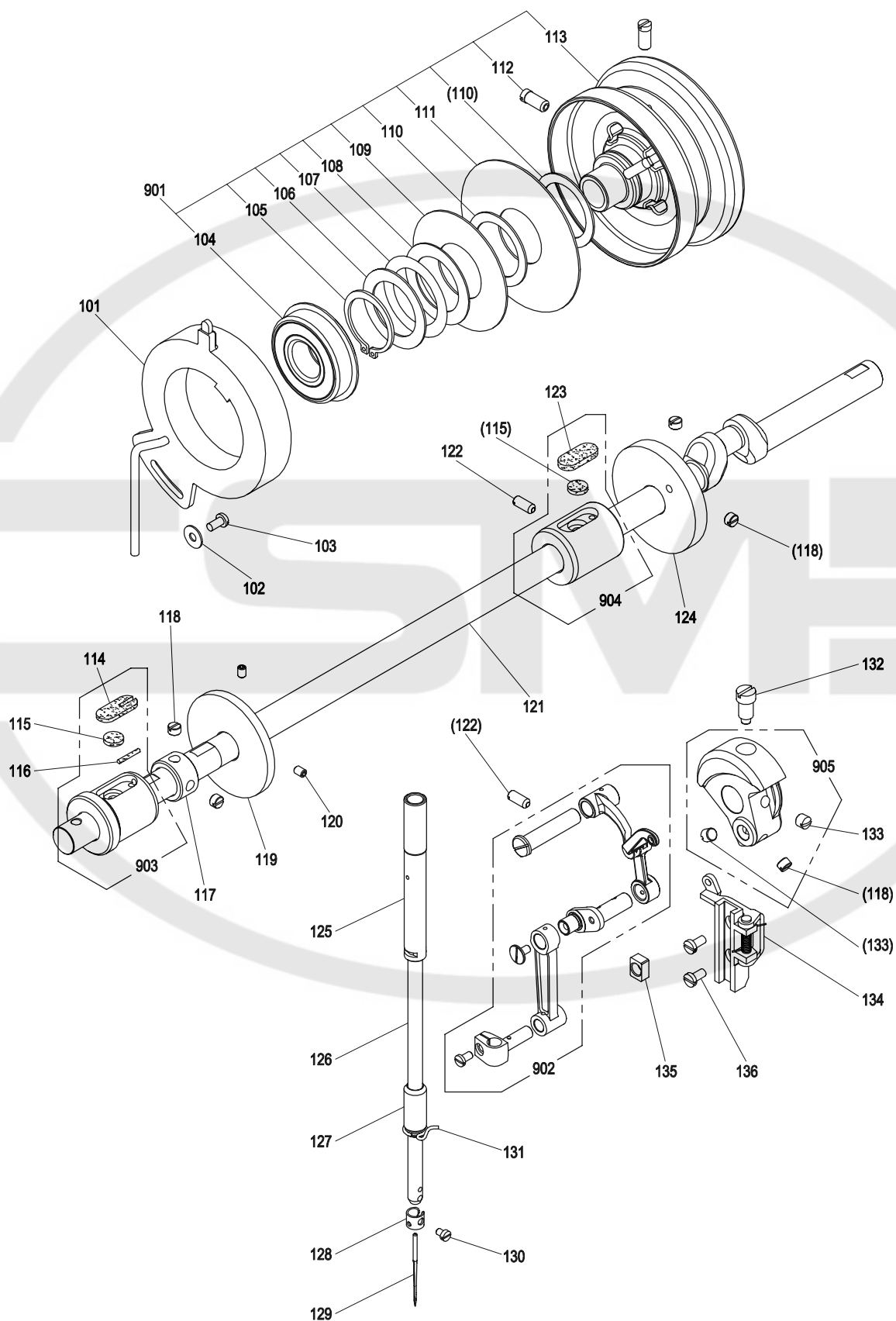


[C] 本体関係(2)

ARM BED & IT'S ACCESSORIES (2)

| Fig<br>no. | 変更<br>Mod. | 部品コード<br>Parts no. | 部品名                 | Description                   | 数量<br>Amt. Req. |
|------------|------------|--------------------|---------------------|-------------------------------|-----------------|
| C 101      |            | M90204060          | ピン                  | Pin                           | 1               |
| C 102      |            | M90901002          | ヒラネジ 9/64(40)X4     | Screw 9/64(40)X4              | 1               |
| C 103      |            | MF10A0709          | フッシュ                | Regulator casing              | 1               |
| C 104      |            | MF10A0553          | チョウシボウ              | Thread tension stud           | 1               |
| C 105      |            | MF10A0187          | イトリハネ               | Thread take-up spring         | 1               |
| C 106      |            | MF10A0555          | チョウシザラ              | Thread tension discs          | 4               |
| C 107      |            | MM11A0556          | チョウシザラオサエ           | Disc retaining plate          | 1               |
| C 108      |            | MN52A1245          | エンスイハネ              | Thread tension spring         | 1               |
| C 109      |            | MT60A0802          | マワリトメ               | Thumb nut revolution stopper  | 1               |
| C 110      |            | M91605045          | ツミナット               | Thumb nut                     | 1               |
| C 111      |            | M91602046          | ツミナット               | Thumb nut                     | 1               |
| C 112      |            | MM11A0702          | バネアンナイ              | Spring guide                  | 1               |
| C 113      |            | MM11A0245          | エンスイハネ              | Thread tension spring         | 1               |
| C 114      |            | MS14A0553          | チョウシボウ              | Thread tension stud           | 1               |
| C 115      |            | MS14A0180          | イトアンナイ              | Thread guide                  | 1               |
| C 116      |            | MG75A1476          | スペーサー               | Spacer                        | 1               |
| C 117      |            | ME10E0600          | トップカバー              | Top cover                     | 1               |
| C 118      |            | MA20A0476          | スペーサー               | Spacer                        | 1               |
| C 119      |            | MA20A1950          | レバー                 | Lever                         | 1               |
| C 120      |            | MA04A1530          | ダンツキジク D            | Driven shaft                  | 1               |
| C 121      |            | M91057020          | ロッククアナツキトメネジ M3X4   | Screw M3X4                    | 4               |
| C 122      |            | MA04A2530          | ダンツキジク              | Shaft                         | 1               |
| C 123      |            | M91054004          | SW-PW プラマイナネジ M4X8  | Screw M4X8                    | 2               |
| C 124      |            | M91055020          | ロッククアナツキトメネジ M4X4   | Screw M4X4                    | 2               |
| C 125      |            | MB60E0950          | レバークミタテ             | Lever                         | 1               |
| C 126      |            | M99006063          | ピン                  | Pin                           | 1               |
| C 127      |            | MA20A0194          | イトマキグルマ             | Wheel                         | 1               |
| C 128      |            | MB60A1601          | トリツケイタ              | Bracket                       | 1               |
| C 129      |            | M91004067          | ミゾツキピン BXガタ φ2.5X8  | Pin φ2.5X8                    | 1               |
| C 130      |            | MS14A0350          | カム                  | Cam                           | 1               |
| C 131      |            | M91005067          | ミゾツキピン BXガタ φ2.5X12 | Pin φ2.5X12                   | 2               |
| C 132      |            | MS14A0572          | ツルマキハネ              | Spring                        | 1               |
| C 133      |            | M90601064          | スプリングピン φ6X56       | Pin φ6X56                     | 1               |
| C 134      |            | MS03A0417          | ゴムワ                 | Tire                          | 1               |
| C 135      |            | MF00A0181          | イトアンナイ              | Thread guide                  | 1               |
| C 136      |            | MF00A0553          | チョウシボウ              | Thread tension stud           | 1               |
| C 137      |            | MF10A1555          | チョウシザラ              | Thread tension discs          | 2               |
| C 138      |            | MF36A0245          | エンスイハネ              | Thread tension spring         | 1               |
| C 139      |            | M91101046          | ツミナット               | Thumb nut                     | 1               |
| C 901      |            | MA16E0210          | チョウセツキクミタテ          | Thread tension Regulator assy | 1               |
| C 902      |            | MS14E0180          | チョウセツキクミタテ          | Thread tension Regulator assy | 1               |
| C 903      |            | MB60E0190          | イトマキソウチクミタテ         | Bobbin winder                 | 1               |
| C 904      |            | MF00E0550          | チョウセツキクミタテ          | Thread tension Regulator assy | 1               |

**D 縫い機構(1)**  
**SEWING MECHANISM(1)**

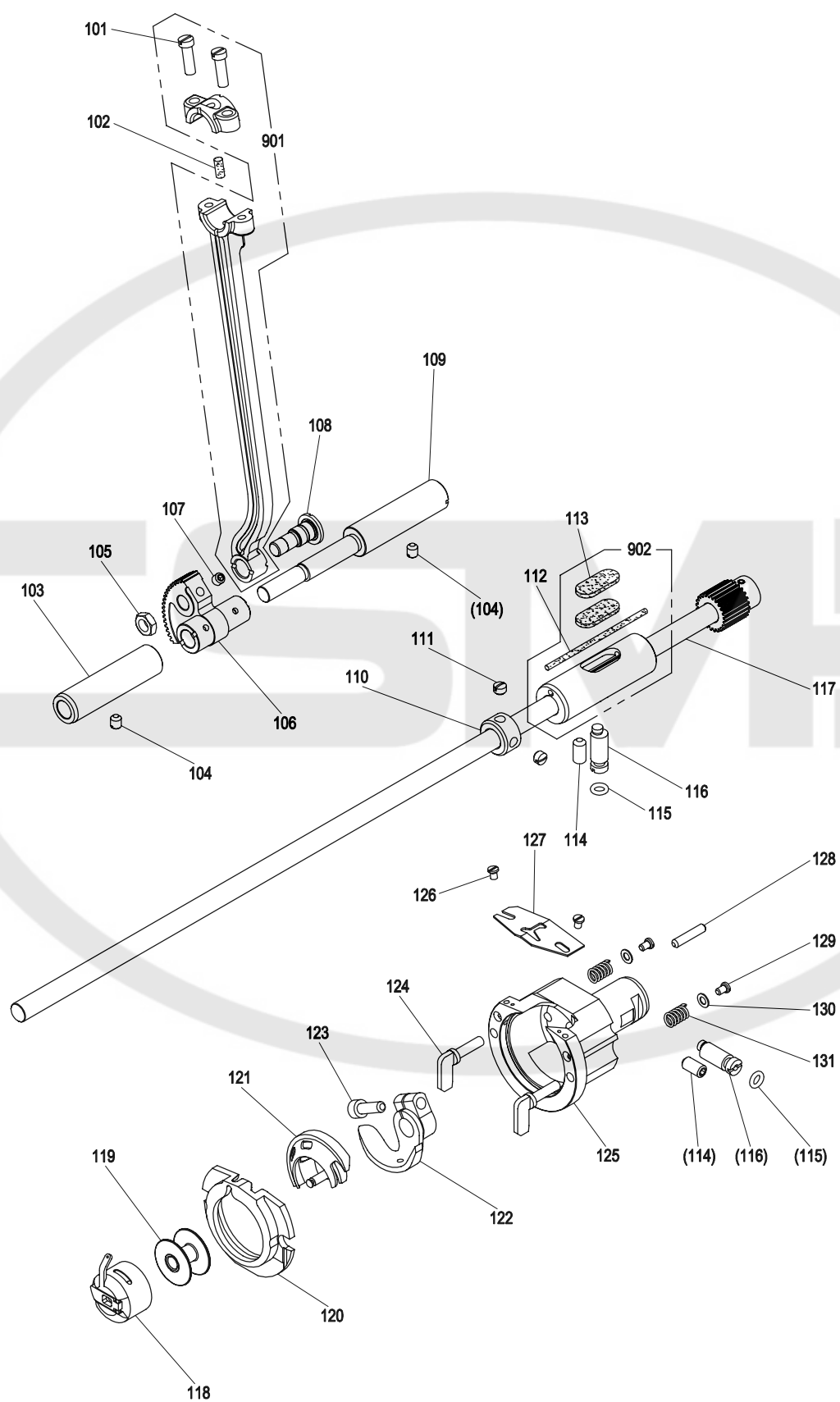


## [D]縫い機構(1)

## SEWING MECHANISM (1)

| Fig<br>no. | 変更<br>Mod. | 部品コード<br>Parts no. | 品 名               | Description                | 数量<br>Amt. Req. |
|------------|------------|--------------------|-------------------|----------------------------|-----------------|
| D 101      |            | MB60A2406          | ウワジクセンシュツキ        | Detector                   | 1               |
| D 102      |            | M93002050          | サガネ               | Washer                     | 1               |
| D 103      |            | M91069004          | プラマイナネジ M4X8      | Screw M4X8                 | 1               |
| D 104      |            | MN10A1456          | ボールベアリング          | Ball bearing               | 1               |
| D 105      |            | M90330065          | C型外メ 30           | C-type retaining ring 30   | 1               |
| D 106      |            | M93001050          | サガネ               | Washer                     | 1               |
| D 107      |            | MF01A0259          | ナミサガネ             | Wave washer                | 1               |
| D 108      |            | MF01A1476          | スペーサー B           | Spacer B                   | 1               |
| D 109      |            | MN72A1694          | ハンジャパン F20 (ウイチ)  | Command disk F20 (up)      | 1               |
| D 110      |            | MF01A0476          | スペーサー A           | Spacer A                   | 2               |
| D 111      |            | MB60A0694          | ハンジャパン K10 (シタイチ) | Command disk K10 (down)    | 1               |
| D 112      |            | M91520002          | ヒラネジ 15/64(28)X12 | Screw 15/64(28)X12         | 2               |
| D 113      |            | MB60E0682          | プーリ               | Pulley                     | 1               |
| D 114      |            | MG50A0740          | フェルト              | Felt                       | 1               |
| D 115      |            | MS10A1740          | フェルト              | Felt                       | 2               |
| D 116      |            | MV88A0740          | フェルト              | Felt                       | 1               |
| D 117      |            | MF70A0352          | カラー               | Collar                     | 1               |
| D 118      |            | M91602001          | トメネジ 1/4(40)X4    | Screw 1/4(40)X4            | 5               |
| D 119      |            | MS14A0682          | イトマキプーリ           | Pulley                     | 1               |
| D 120      |            | M91053020          | ロッククアナツキトメネジ M4X6 | Screw M4X6                 | 2               |
| D 121      |            | ME10A0230          | ウワジク              | Drive shaft                | 1               |
| D 122      |            | M91221001          | トメネジ M5X12        | Screw M5X12                | 2               |
| D 123      |            | MF60A2740          | フェルト              | Felt                       | 1               |
| D 124      |            | MS01A0350          | イトキリカム            | Thread trimmer cam         | 1               |
| D 125      |            | MS01A0663          | ハリボウメタル (ウエ)      | Needle bar bushing (upper) | 1               |
| D 126      |            | MS01A0660          | ハリボウ              | Needle bar                 | 1               |
| D 127      |            | MG30A0664          | ハリボウメタル (シタ)      | Needle bar bushing (lower) | 1               |
| D 128      |            | MF21D0181          | イトアンナイ            | Thread guide               | 1               |
| D 129      |            | MS02A0128          | ミシンハリ DPX17#18    | Needle DPX17#18            | 1               |
| D 130      |            | M90815002          | ヒラネジ 1/8(44)X4.5  | Screw 1/8(44)X4.5          | 1               |
| D 131      |            | MF01A0181          | イトアンナイ            | Thread guide               | 1               |
| D 132      |            | M91802006          | ヒラネジボウサキ 9/32(28) | Set screw 9/32(28)         | 1               |
| D 133      |            | M91606001          | トメネジ 1/4(40)X6    | Screw 1/4(40)X6            | 2               |
| D 134      |            | MS03E0662          | ハリカイトクミタテ         | Guide assy                 | 1               |
| D 135      |            | MF10A0325          | カクコマ              | Square block               | 1               |
| D 136      |            | M90990002          | ヒラネジ M4X8         | Screw M4X8                 | 2               |
| D 901      |            | MB60E1682          | プーリクミタテ           | Pulley assy                | 1               |
| D 902      |            | MS01E0580          | テンビンハリクミタテ        | Thread take-up lever assy  | 1               |
| D 903      |            | MS10A0232          | ウワジクメタル(ヒタリ)クミ    | Drive shaft bushing L assy | 1               |
| D 904      |            | MB60E0234          | ウワジクメタル(ナカ)クミ     | Drive shaft bushing C assy | 1               |
| D 905      |            | MS01A0383          | クランククミ            | Crank assy                 | 1               |

# **E** 縫い機構(2) SEWING MECHANISM(2)

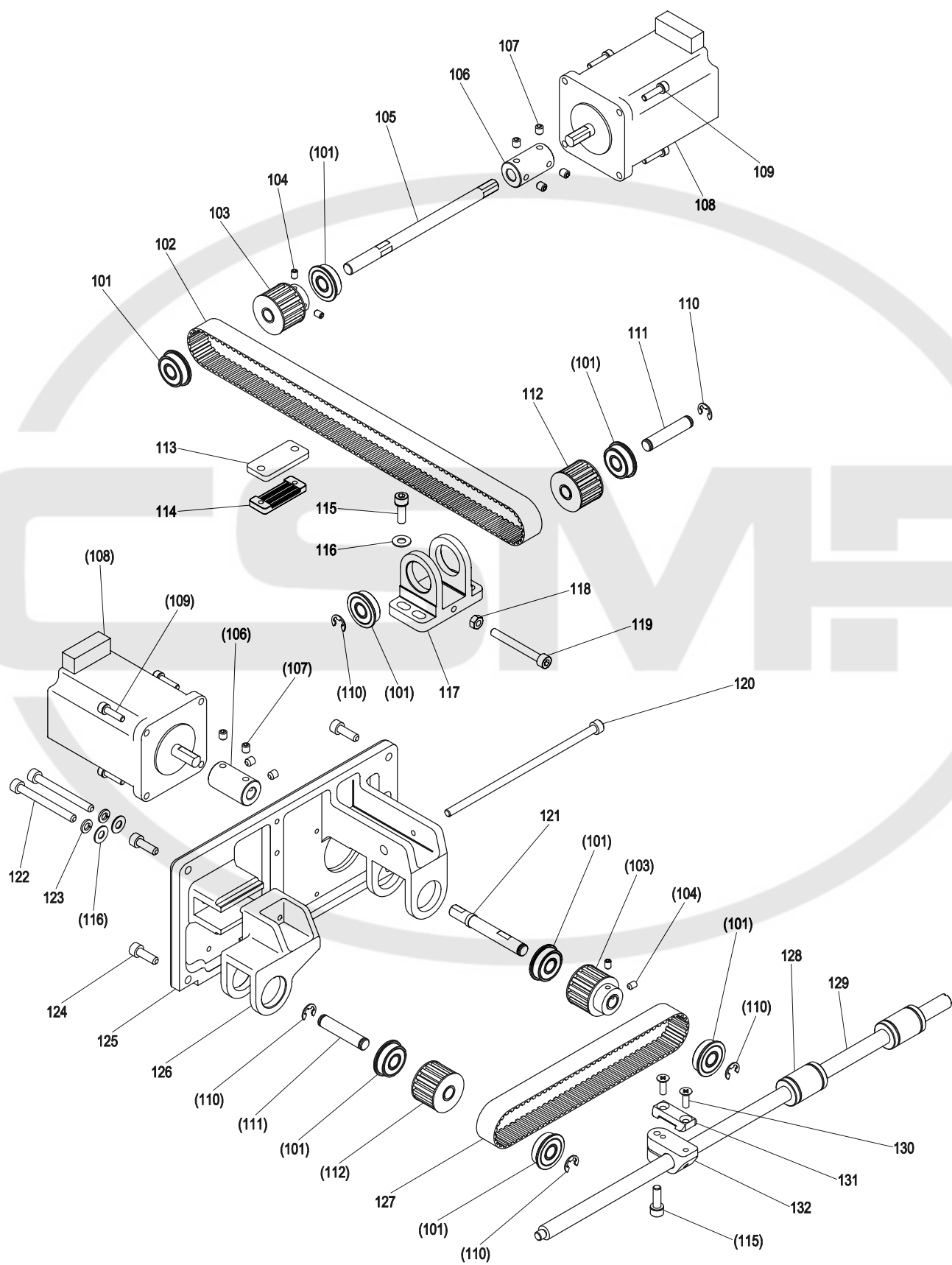


## [E]縫い機構(2)

## SEWING MECHANISM (2)

| Fig<br>no. | 変更<br>Mod. | 部品コード<br>Parts no. | 品 名                | Description                 | 数量<br>Amt. Req. |
|------------|------------|--------------------|--------------------|-----------------------------|-----------------|
| E 101      |            | M91203002          | ヒラネジ 3/16(28)X15   | Screw 3/16(28)X15           | 2               |
| E 102      |            | MB60A0740          | フェルト               | Felt                        | 1               |
| E 103      |            | MS01A0833          | メタル                | Bushing                     | 1               |
| E 104      |            | M91223001          | トメネジ M5X10         | Screw M5X10                 | 2               |
| E 105      |            | M91802045          | ナット 9/32(28)       | Nut 9/32(28)                | 1               |
| E 106      |            | MS01A0508          | セクタハグルマ            | Sector gear                 | 1               |
| E 107      |            | M95004021          | ロックアナツキトメネジ M5X5   | Screw M5X5                  | 1               |
| E 108      |            | M98003015          | ヒラネジダツツキ 9/32(28)  | Screw 9/32(28)              | 1               |
| E 109      |            | MS01A0891          | ヨウトウシク             | Rock shaft                  | 1               |
| E 110      |            | MM11A0352          | カラー                | Collar                      | 1               |
| E 111      |            | M91503001          | トメネジ 15/64(28)X4.5 | Screw 15/64(28)X4.5         | 2               |
| E 112      |            | ME10A0148          | ヒモ                 | Oil braid                   | 1               |
| E 113      |            | MA20A0740          | フェルト               | Felt                        | 2               |
| E 114      |            | M91650020          | ロックアナツキトメネジ M6X8   | Screw M6X8                  | 2               |
| E 115      |            | M90500085          | O リング              | O-ring                      | 2               |
| E 116      |            | MS01A0761          | ヘンシンジク             | Eccentric shaft             | 2               |
| E 117      |            | ME10E0450          | シタジク クミ            | Hook shaft assy             | 1               |
| E 118      |            | MS17A0125          | ホビンケース SC-181      | Bobbin case                 | 1               |
| E 119      |            | MA10A0123          | ホビン                | Bobbin                      | 1               |
| E 120      |            | MS08A0616          | ナカマオサエ             | Hook retainer               | 1               |
| E 121      |            | MA10A0120          | ナカマ                | Inner hook                  | 1               |
| E 122      |            | MS01A0611          | ドライバ               | Hook driver                 | 1               |
| E 123      |            | M95001021          | ロックアナツキボルト M5X16   | Bolt M5X16                  | 1               |
| E 124      |            | MS09A0950          | カマオサエツマミ           | Hook clamp                  | 2               |
| E 125      |            | MS01A0121          | ソトカマ               | Outer hook                  | 1               |
| E 126      |            | M90853002          | ヒラネジ 1/8(40)X4     | Screw 1/8(40)X4             | 2               |
| E 127      |            | MS01A0329          | カマイトアンナイ           | Thread guide                | 1               |
| E 128      |            | M90001060          | ヘイコウピン m6-4X18     | Pin m6-4X18                 | 1               |
| E 129      |            | M90802003          | マルヒラネジ 1/8(44)X4.5 | Screw 1/8(44)X4.5           | 2               |
| E 130      |            | M93006050          | サカネ                | Washer                      | 2               |
| E 131      |            | MS01A0572          | ツルマキバネ             | Spring                      | 2               |
| E 901      |            | MB60E1956          | レンセツカン クミ          | Connecting rod assy         | 1               |
| E 902      |            | ME10E0452          | シタジクメタル(ミキ)クミ      | Hook shaft bushing (R) assy | 1               |

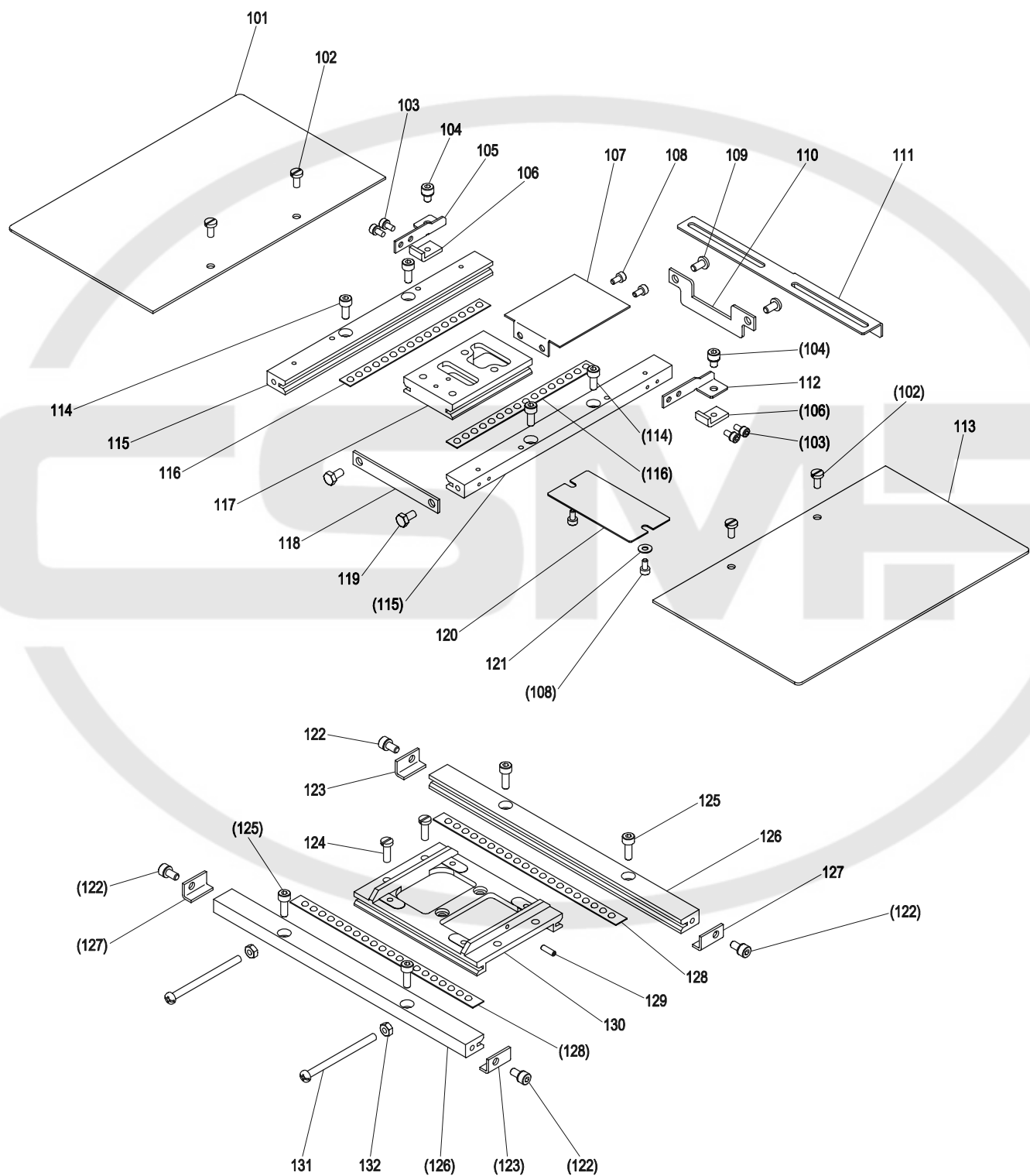
**F** X-Yテーブル機構(1)  
X-Y TABLE MECHANISM(1)



[F]X-Yテーブル機構(1)  
X-Y TABLE MECHANISM (1)

| Fig<br>no. | 変更<br>Mod. | 部品コード<br>Parts no. | 品 名                | Description               | 数量<br>Amt. Req. |
|------------|------------|--------------------|--------------------|---------------------------|-----------------|
| F 101      |            | M91001075          | ボールベアリング           | Ball bearing              | 8               |
| F 102      |            | MB60A0523          | タイミングベルト X         | Cog belt X 15T5-630(126Z) | 1               |
| F 103      |            | MB60A2682          | タイミングプーリ (クドウ)     | Driving pulley            | 2               |
| F 104      |            | M95001001          | ナロックメネジ M4X6       | Screw M4X6                | 4               |
| F 105      |            | ME10A1390          | Xクドウシク             | Driving shaft X           | 1               |
| F 106      |            | ME10A0571          | ジクツキテ              | Sleeve                    | 2               |
| F 107      |            | M94001001          | ナロックメネジ M5X6       | Screw M5X6                | 8               |
| F 108      |            | M95060095          | ステッピングモータ          | Stepping motor            | 2               |
| F 109      |            | M94006017          | セフティソケット M4X16     | Bolt M4X16                | 8               |
| F 110      |            | M90511065          | Eカクメワ 6            | E-type retaining ring 6   | 5               |
| F 111      |            | MB60A1454          | ジク                 | Shaft                     | 2               |
| F 112      |            | MB60A3682          | タイミングプーリ (ジュウトウ)   | Driven pulley             | 2               |
| F 113      |            | MB60A0476          | スペーサ               | Spacer                    | 1               |
| F 114      |            | MB60A0778          | ベルトオサエ X           | Belt clasper X            | 1               |
| F 115      |            | M95004017          | セフティソケット M5X16     | Bolt M5X16                | 5               |
| F 116      |            | M90511050          | ザガネ 5              | Washer 5                  | 6               |
| F 117      |            | MB60A1758          | ブラケット X            | Bracket X                 | 1               |
| F 118      |            | M91382045          | ナット M5             | Nut M5                    | 1               |
| F 119      |            | M95035021          | ロッククアナツキホルト M5X45  | Bolt M5X45                | 1               |
| F 120      |            | M95036021          | ロッククアナツキホルト M5X135 | Bolt M5X135               | 1               |
| F 121      |            | ME10A0390          | Yクドウシク             | Driving shaft Y           | 1               |
| F 122      |            | M95048021          | ロッククアナツキホルト M5X50  | Bolt M5X50                | 2               |
| F 123      |            | M90504053          | ハネザガネ 5            | Spring washer 5           | 2               |
| F 124      |            | M95001021          | ロッククアナツキホルト M5X16  | Bolt M5X16                | 4               |
| F 125      |            | ME10A0850          | Yモータダイ             | Motor bracket Y           | 1               |
| F 126      |            | ME10A0758          | ブラケット Y            | Bracket Y                 | 1               |
| F 127      |            | ME10A0523          | タイミングベルト Y         | Cog belt Y 15T5-375(75Z)  | 1               |
| F 128      |            | M91003070          | ボールブッシュ 10         | Ball bushing 10           | 2               |
| F 129      |            | ME10A2390          | Yクドウシク             | Linear shaft Y            | 1               |
| F 130      |            | M90448037          | Pサラネジ M4X12        | Screw M4X12               | 2               |
| F 131      |            | ME10A0778          | Yベルトオサエ            | Belt clasper Y            | 1               |
| F 132      |            | MS14A0781          | Yベルトダイ             | Belt holder Y             | 1               |

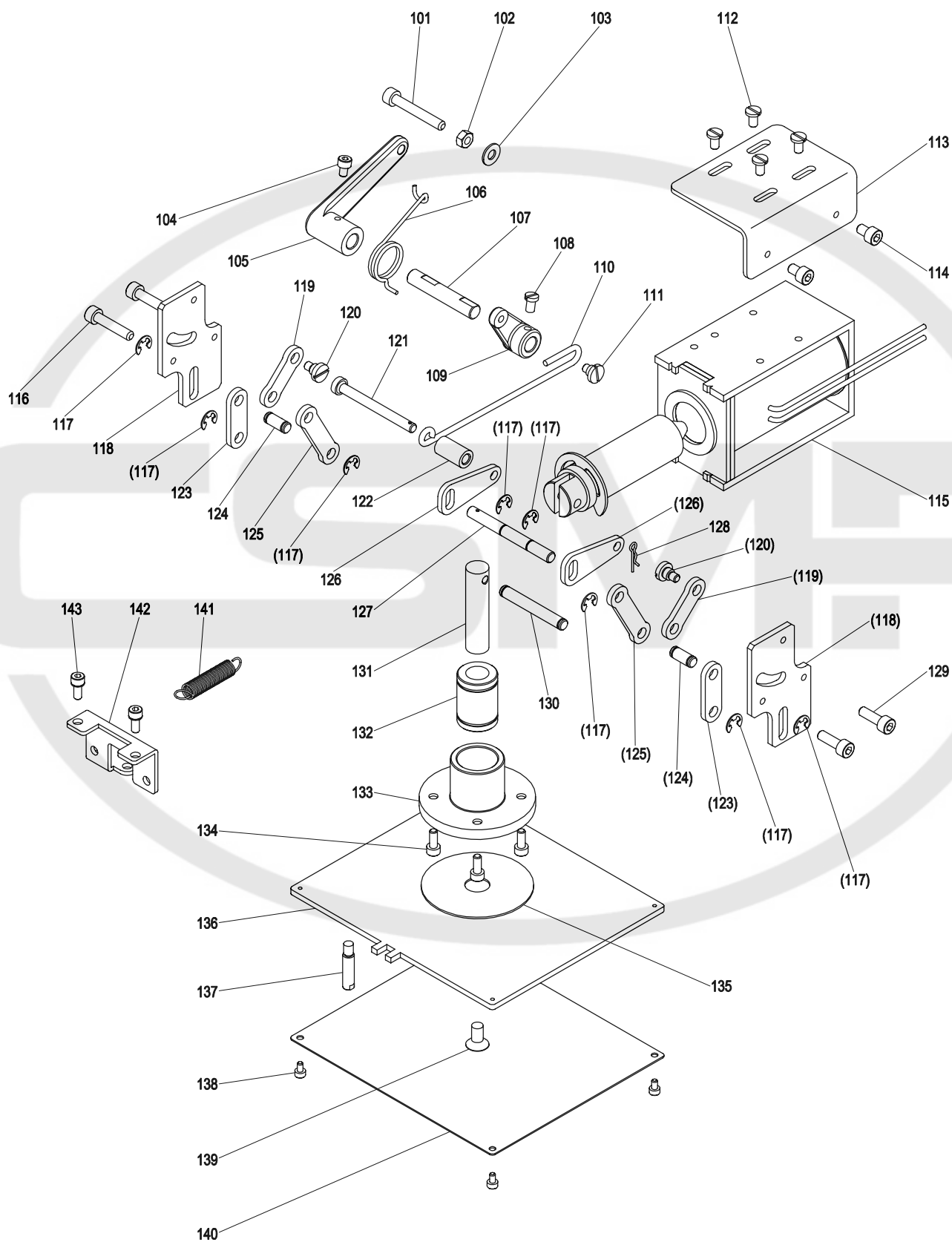
**G X-Yテーブル機構(2)**  
**X-Y TABLE MECHANISM(2)**



[G]X-Yテーブル機構(2)  
X-Y TABLE MECHANISM (2)

| Fig<br>no. | 変更<br>Mod. | 部品コード<br>Parts no. | 品 名                  | Description       | 数量<br>Amt. Req. |
|------------|------------|--------------------|----------------------|-------------------|-----------------|
| G 101      |            | ME10A2339          | カバー L                | Cover L           | 1               |
| G 102      |            | M90921002          | ヒラネジ 9/64(40)X8      | Screw 9/64(40)X8  | 4               |
| G 103      |            | M94003017          | セフティソケット M3X6        | Bolt M3X6         | 4               |
| G 104      |            | M94008017          | セフティソケット M4X6        | Bolt M4X6         | 2               |
| G 105      |            | ME10A1426          | ケンシュツハンササエ (L)       | Detector holder L | 1               |
| G 106      |            | MB60A2601          | ネジイタ                 | Holder plate      | 2               |
| G 107      |            | ME10A4339          | Yカバーイタ               | Cover plate Y     | 1               |
| G 108      |            | M93003021          | ロッククアナツキホルト M3X6     | Bolt M3X6         | 4               |
| G 109      |            | M94035021          | ロッククアナツキホルタンホルト M4X8 | Bolt M4X8         | 2               |
| G 110      |            | ME10A0477          | ストップ Y ウシロ           | Rear stopper Y    | 1               |
| G 111      |            | MB60A0407          | ケンシュツハン X            | Detector plate X  | 1               |
| G 112      |            | ME10A0426          | ケンシュツハンササエ (R)       | Detector holder R | 1               |
| G 113      |            | ME10A3339          | カバー R                | Cover R           | 1               |
| G 114      |            | M91060021          | ロッククアナツキホルト M4X10    | Bolt M4X10        | 4               |
| G 115      |            | ME10A0957          | Yジグコテイレース            | Fixed race Y      | 2               |
| G 116      |            | ME10A0972          | ローラーケージ Y            | Roller cage Y     | 2               |
| G 117      |            | MS14A4957          | Yジグクイトウレース           | Movable race Y    | 1               |
| G 118      |            | MA04A0477          | ストップ Y マエ            | Front stopper Y   | 1               |
| G 119      |            | M91003022          | ロッククホルト M4X8         | Bolt M4X8         | 2               |
| G 120      |            | ME10A5339          | カバー                  | Cover             | 1               |
| G 121      |            | M90316050          | ワッシャー 3              | Washer 3          | 2               |
| G 122      |            | M94002017          | セフティソケット M4X8        | Bolt M4X8         | 4               |
| G 123      |            | MS02A3477          | ストップ X               | Stopper X         | 2               |
| G 124      |            | M90991002          | ヒラネジ M4X12           | Screw M4X12       | 2               |
| G 125      |            | M94003021          | ロッククアナツキホルト M4X12    | Bolt M4X12        | 4               |
| G 126      |            | MB60A0957          | Xジグコテイレース            | Fixed race X      | 2               |
| G 127      |            | MS02A4477          | ストップ X               | Stopper X         | 2               |
| G 128      |            | MS14A0972          | ローラーケージ X            | Roller cage X     | 2               |
| G 129      |            | M93007020          | ロッククアナツキメネジ M3X10    | Screw M3X10       | 1               |
| G 130      |            | MB60A1957          | Xジグクイトウレース           | Movable race X    | 1               |
| G 131      |            | M91083004          | プラマイナヘネジ M4X55       | Screw M4X55       | 2               |
| G 132      |            | M91004045          | ナット M4               | Nut M4            | 2               |

# H 外押え機構(1) WORK HOLDER MECHANISM(1)

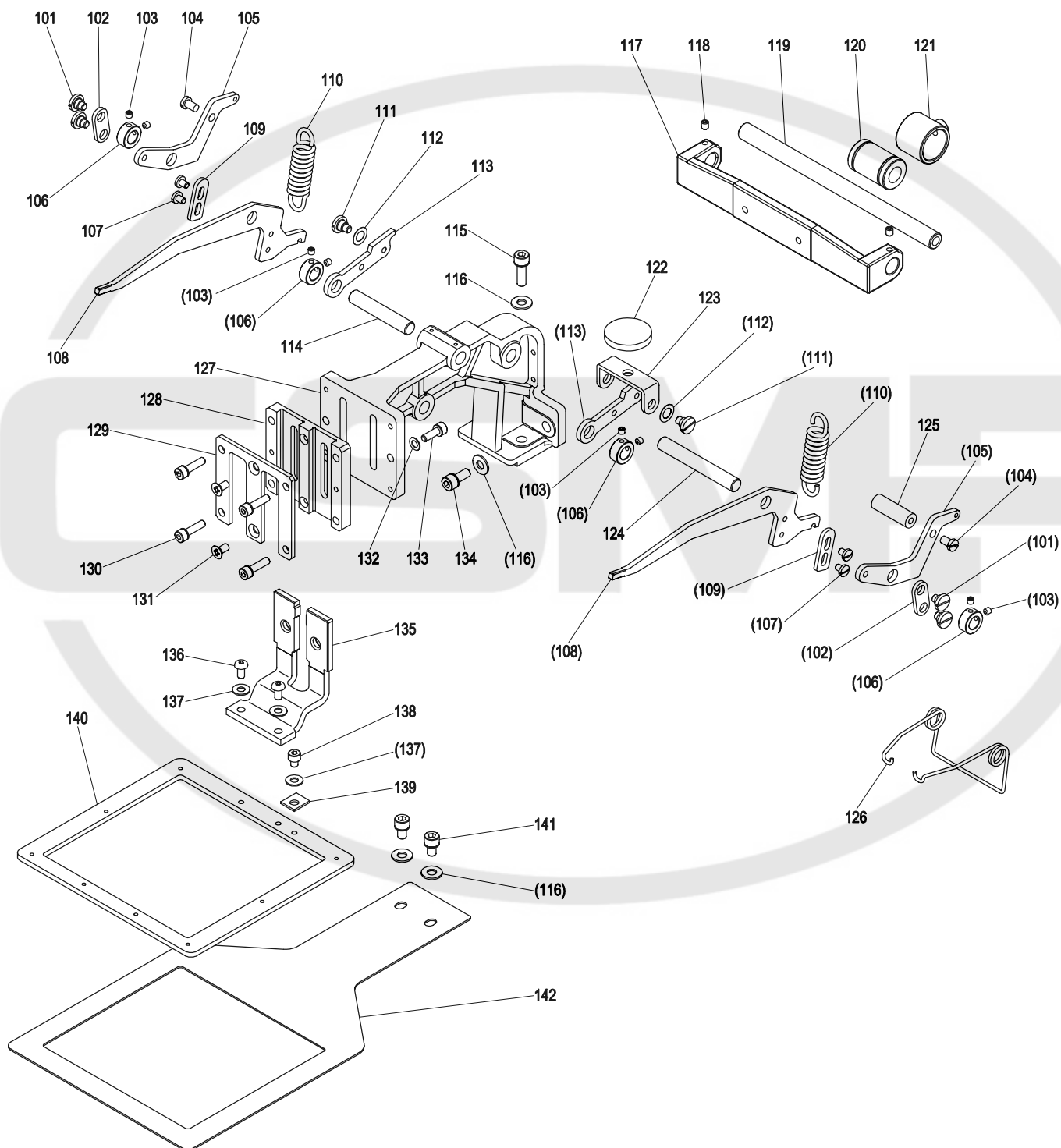


## [H]外押え機構(1)

## WORK HOLDER MECHANISM (1)

| Fig<br>no. | 変更<br>Mod. | 部品コード<br>Parts no. | 品 名               | Description             | 数量<br>Amt. Req. |
|------------|------------|--------------------|-------------------|-------------------------|-----------------|
| H 101      |            | M95008021          | ロックアナツキボルト M5X35  | Bolt M5X35              | 1               |
| H 102      |            | M91382045          | ナット M5            | Nut M5                  | 1               |
| H 103      |            | M90511050          | ワッシャ 5            | Washer 5                | 1               |
| H 104      |            | M94001021          | ロックアナツキボルト M4X6   | Bolt M4X6               | 1               |
| H 105      |            | MA10A0950          | レバー               | Lever                   | 1               |
| H 106      |            | MA10A0729          | ヒネリバネ             | Spring                  | 1               |
| H 107      |            | MA10A0454          | シフト               | Shaft                   | 1               |
| H 108      |            | M91109002          | ヒラネジ 11/64(40)X7  | Screw 11/64(40)X7       | 1               |
| H 109      |            | MA10A1950          | レバー               | Lever                   | 1               |
| H 110      |            | ME10A1910          | リンク               | Link                    | 1               |
| H 111      |            | M91137015          | ヒラネジダツキ 11/64(40) | Screw 11/64(40)         | 1               |
| H 112      |            | M91116002          | ヒラネジ 11/64(40)X8  | Screw 11/64(40)X8       | 4               |
| H 113      |            | ME10A1758          | ブラケット             | Bracket                 | 1               |
| H 114      |            | M95009021          | ロックアナツキボルト M5X8   | Bolt M5X8               | 2               |
| H 115      |            | ME10E0519          | ソレノイドクミタテ         | Solenoid assy           | 1               |
| H 116      |            | M95011021          | ロックアナツキボルト M5X25  | Bolt M5X25              | 2               |
| H 117      |            | M90505065          | E型外メワ 5           | E-type retaining ring 5 | 8               |
| H 118      |            | ME10A0743          | ガイドプレート           | Guide plate             | 2               |
| H 119      |            | ME10A3910          | リンク A             | Link A                  | 2               |
| H 120      |            | M91127015          | ヒラネジダツキ 11/64(40) | Screw 11/64(40)         | 2               |
| H 121      |            | M90543060          | ピン                | Pin                     | 1               |
| H 122      |            | ME10A0352          | カラー               | Collar                  | 1               |
| H 123      |            | ME10A2910          | リンク B             | Link B                  | 2               |
| H 124      |            | M90619060          | ピン C              | Pin C                   | 2               |
| H 125      |            | ME10A4910          | リンク C             | Link C                  | 2               |
| H 126      |            | ME10A5910          | リンク S             | Link S                  | 2               |
| H 127      |            | M90618060          | ピン A              | Pin A                   | 1               |
| H 128      |            | M90518060          | スナップピン R5         | Snap pin R5             | 1               |
| H 129      |            | M95001021          | ロックアナツキボルト M5X16  | Bolt M5X16              | 2               |
| H 130      |            | M90620060          | ピン E              | Pin E                   | 1               |
| H 131      |            | ME10A0454          | オサエシフト            | Shaft                   | 1               |
| H 132      |            | M96001070          | ボールブッシュ 12        | Ball bushing 12         | 1               |
| H 133      |            | ME10A0267          | オサエイタメタル          | Bushing                 | 1               |
| H 134      |            | M91060021          | ロックアナツキボルト M4X10  | Bolt M4X10              | 4               |
| H 135      |            | MS14A0416          | カンショウイタ           | Cushion                 | 1               |
| H 136      |            | ME10A0257          | オサエイタ             | Pressure plate          | 1               |
| H 137      |            | ME10A0802          | マワリピン             | Guide pin               | 1               |
| H 138      |            | M93004021          | ロックアナツキボルト M3X5   | Bolt M3X5               | 4               |
| H 139      |            | M96033021          | ロックアナツキサボルト M6X12 | Bolt M6X12              | 1               |
| H 140      |            | ME10A8339          | スライドカバー           | Slide cover             | 1               |
| H 141      |            | MS01A2572          | ツルマキバネ            | Spring                  | 1               |
| H 142      |            | MB60A0780          | ホルダー              | Holder                  | 1               |
| H 143      |            | M94001017          | セフティソケット M4X10    | Bolt M4X10              | 2               |

## J 外押え機構(2) WORK HOLDER MECHANISM(2)

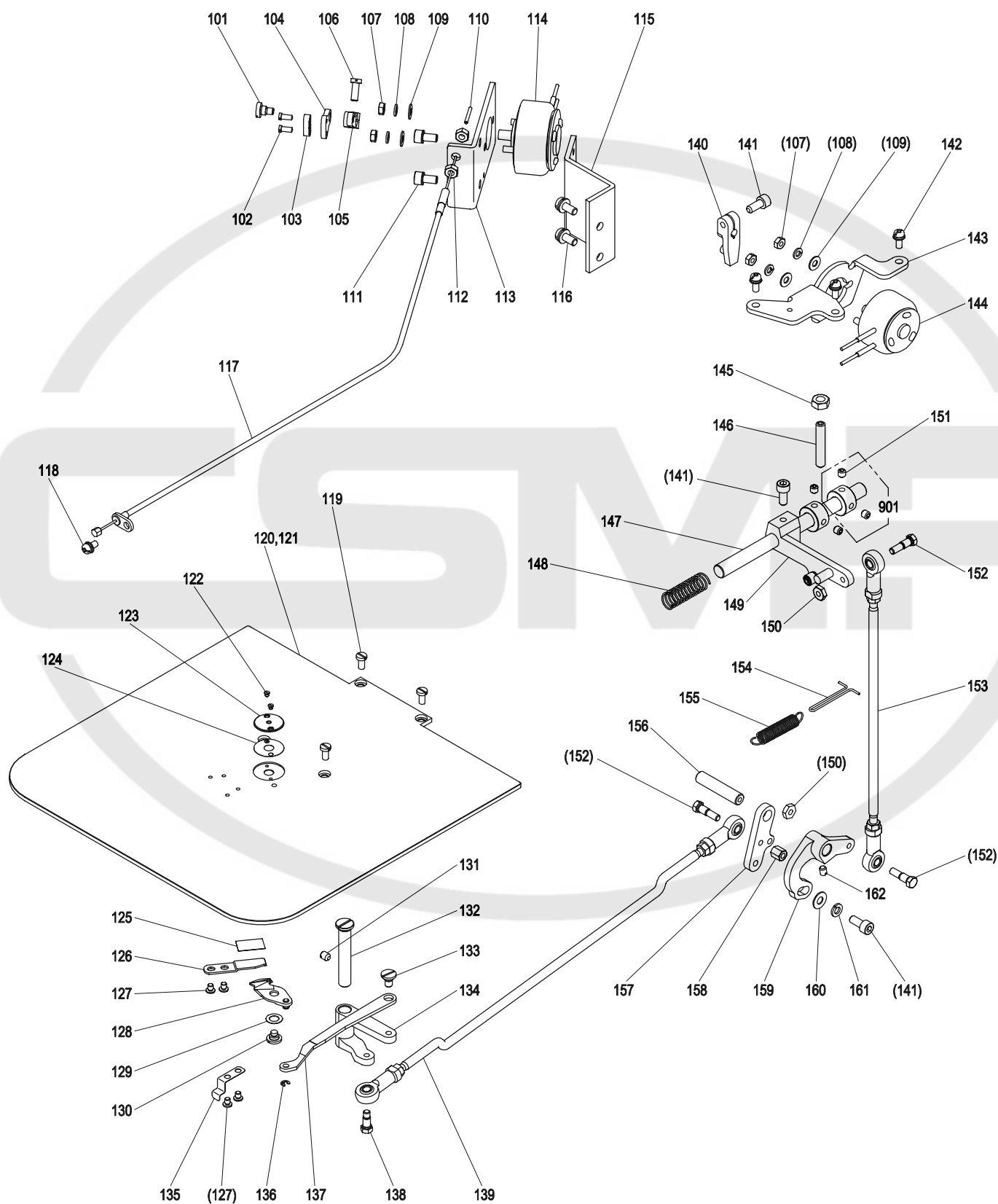


## [J]外押え機構(2)

## WORK HOLDER MECHANISM (2)

| Fig<br>no. | 変更<br>Mod. | 部品コード<br>Parts no. | 品 名                                                  | Description                    | 数量<br>Amt. Req. |
|------------|------------|--------------------|------------------------------------------------------|--------------------------------|-----------------|
| J 101      |            | M91139015          | ヒラネジ <sup>°</sup> ダンツキ 11/64(40).....                | Screw 11/64(40).....           | 4               |
| J 102      |            | ME10A0910          | リンク.....                                             | Link.....                      | 2               |
| J 103      |            | M90901020          | ロッククアナツキトメネジ <sup>°</sup> 9/64(40)X3.5.....          | Screw 9/64(40)X3.5.....        | 8               |
| J 104      |            | M91109002          | ヒラネジ <sup>°</sup> 11/64(40)X7.....                   | Screw 11/64(40)X7.....         | 2               |
| J 105      |            | ME10A0429          | ササエイタ.....                                           | Pressure lever B.....          | 2               |
| J 106      |            | MF00A1352          | カラー.....                                             | Collar.....                    | 4               |
| J 107      |            | M90943002          | マルヒラネジ <sup>°</sup> 9/64(40)X5.....                  | Screw 9/64(40)X5.....          | 4               |
| J 108      |            | ME10A0266          | オサエレバ.....                                           | Pressure lever A.....          | 2               |
| J 109      |            | MB60A0477          | ストッパ.....                                            | Stopper.....                   | 2               |
| J 110      |            | ME10A0700          | ツルマキバネ.....                                          | Spring.....                    | 2               |
| J 111      |            | M91137015          | ヒラネジ <sup>°</sup> ダンツキ 11/64(40).....                | Screw 11/64(40).....           | 2               |
| J 112      |            | M99002052          | ウェーブワッシャ 1417003-41006.....                          | Wave washer 1417003-41006..... | 2               |
| J 113      |            | ME10A1266          | オサエレバ.....                                           | Pressure lever C.....          | 2               |
| J 114      |            | M90817060          | ピン L=46.....                                         | Pin L=46.....                  | 1               |
| J 115      |            | M95004017          | セフティソケット M5X16.....                                  | Bolt M5X16.....                | 2               |
| J 116      |            | M90511050          | ザ <sup>°</sup> ガ <sup>°</sup> ネ 5.....               | Washer 5.....                  | 6               |
| J 117      |            | MA10A0455          | ジクササエ.....                                           | Bracket.....                   | 1               |
| J 118      |            | M91050020          | ロッククアナツキトメネジ <sup>°</sup> M4X5.....                  | Screw M4X5.....                | 2               |
| J 119      |            | MS14A4454          | ジク.....                                              | Shaft.....                     | 1               |
| J 120      |            | M91003070          | ボールブッシュ 10.....                                      | Ball bushing 10.....           | 1               |
| J 121      |            | MS08A0692          | ジクウケハウジング.....                                       | Bearing housing.....           | 1               |
| J 122      |            | ME10A0457          | シュウト <sup>°</sup> ウシ.....                            | Slider.....                    | 1               |
| J 123      |            | ME10A1601          | トリツケイタ.....                                          | Bracket.....                   | 1               |
| J 124      |            | M90818060          | ピン L=60.....                                         | Pin L=60.....                  | 1               |
| J 125      |            | ME10A1454          | レンケツジク.....                                          | Connecting shaft.....          | 1               |
| J 126      |            | ME10A0729          | ヒネリバネ.....                                           | Spring.....                    | 1               |
| J 127      |            | ME10A0308          | オサエタイ.....                                           | Work holder arm.....           | 1               |
| J 128      |            | ME10A0307          | オサエアンナイ.....                                         | Work holder guide.....         | 1               |
| J 129      |            | ME10A6339          | カバー.....                                             | Cover.....                     | 1               |
| J 130      |            | M94006017          | セフティソケット M4X16.....                                  | Bolt M4X16.....                | 4               |
| J 131      |            | M91400010          | Pサラネジ <sup>°</sup> M4X8.....                         | Screw M4X8.....                | 2               |
| J 132      |            | M90422050          | ザ <sup>°</sup> ガ <sup>°</sup> ネ 4.....               | Washer 4.....                  | 2               |
| J 133      |            | M94007017          | セフティソケット M4X12.....                                  | Bolt M4X12.....                | 2               |
| J 134      |            | M95002017          | セフティソケット M5X12.....                                  | Bolt M5X12.....                | 2               |
| J 135      |            | ME10A0601          | オサエトリツケイタ.....                                       | Clamp foot.....                | 1               |
| J 136      |            | M94035021          | ロッククアナツキボ <sup>°</sup> タンボ <sup>°</sup> ルト M4X8..... | Bolt M4X8.....                 | 2               |
| J 137      |            | M90421050          | ザ <sup>°</sup> ガ <sup>°</sup> ネ 4.....               | Washer 4.....                  | 3               |
| J 138      |            | M94009021          | ロッククアナツキボ <sup>°</sup> ルト M4X5.....                  | Bolt M4X5.....                 | 1               |
| J 139      |            | MB60A0196          | イチキ <sup>°</sup> メイタ.....                            | Clamp stopper.....             | 1               |
| J 140      |            | ME10A0105          | オサエ.....                                             | Clamp frame.....               | 1               |
| J 141      |            | M90511056          | セフティソケット M5X8.....                                   | Bolt M5X8.....                 | 2               |
| J 142      |            | ME10A0272          | オクリイタ.....                                           | Feed plate.....                | 1               |

# K 糸切り機構 THREAD TRIMMING MECHANISM

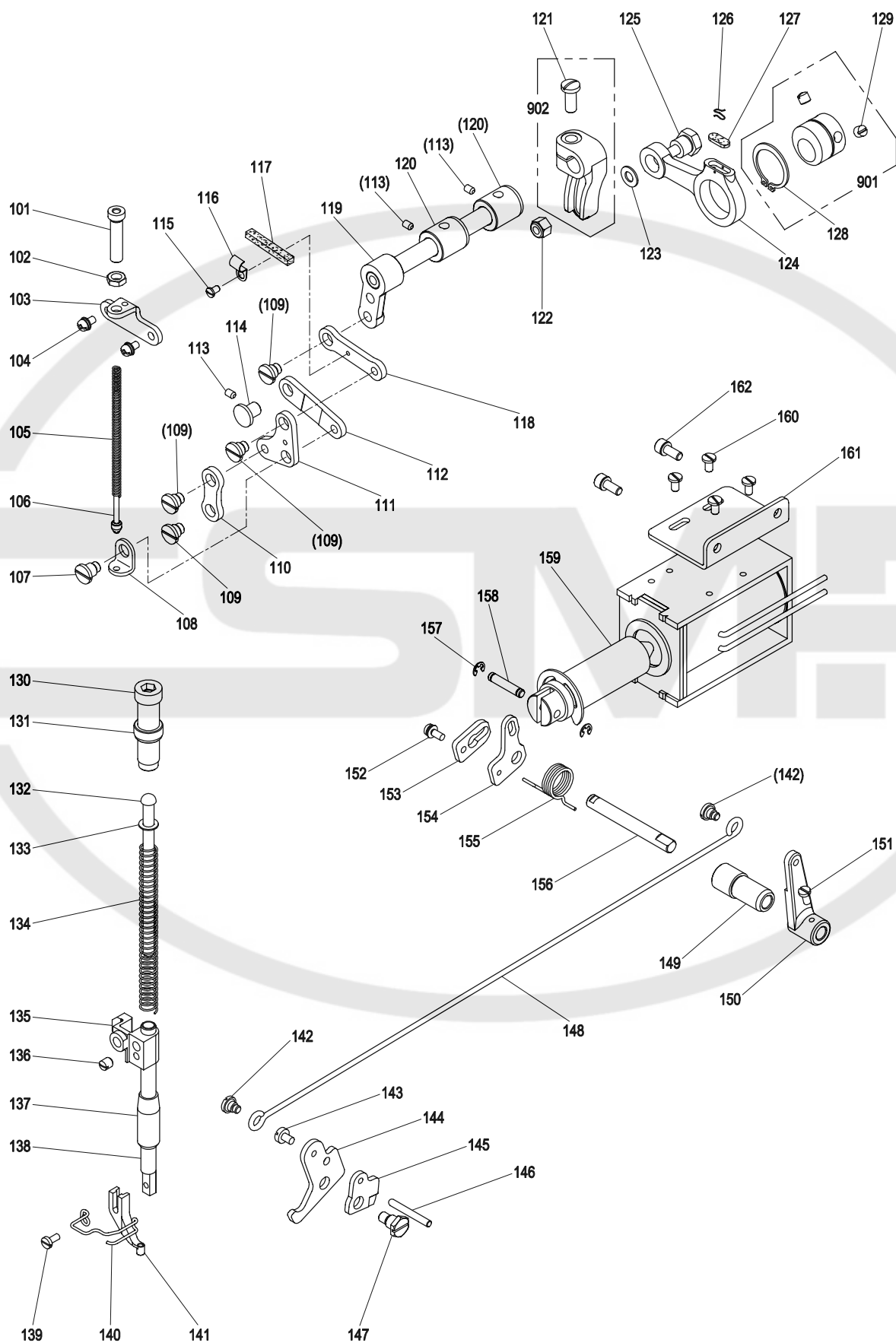


[K] 糸切り機構

THREAD TRIMMING MECHANISM

| Fig<br>no. | 変更<br>Mod. | 部品コード<br>Parts no. | 品 名                 | Description                 | 数量<br>Amt. Req. |
|------------|------------|--------------------|---------------------|-----------------------------|-----------------|
| K 101      |            | M91127015          | ヒラネジ 11/64(40)      | Screw 11/64(40)             | 1               |
| K 102      |            | M90802002          | ヒラネジ 1/8(44)X7      | Screw 1/8(44)X7             | 2               |
| K 103      |            | MF36A0750          | ホルダ                 | Holder                      | 1               |
| K 104      |            | MF90A0361          | カケガネ                | Bracket                     | 1               |
| K 105      |            | MS07A0228          | ウデ                  | Crank                       | 1               |
| K 106      |            | M91112002          | ヒラネジ 11/64(40)X12   | Screw 11/64(40)X12          | 1               |
| K 107      |            | M91004045          | ナット M4              | Nut M4                      | 4               |
| K 108      |            | M90424053          | ハネサガネ 4             | Spring washer 4             | 4               |
| K 109      |            | M90421050          | サガネ 4               | Washer 4                    | 4               |
| K 110      |            | MN60A0750          | プッシュ                | Pipe                        | 1               |
| K 111      |            | M95005017          | セフティソケット M5X10      | Bolt M5X10                  | 2               |
| K 112      |            | M91382045          | ナット M5              | Nut M5                      | 2               |
| K 113      |            | MA20A0603          | ソレノイドトリツケイタ         | Solenoid bracket            | 1               |
| K 114      |            | ME10E3519          | イトユルメソレノイド          | Solenoid (thread release)   | 1               |
| K 115      |            | MA10A0601          | トリツケイタ              | Bracket                     | 1               |
| K 116      |            | M91331004          | SW-PW プライナヘネジ M5X12 | Screw M5X12                 | 2               |
| K 117      |            | ME10E0746          | フレキシブルワイヤ           | Flexible wire assy          | 1               |
| K 118      |            | M91054004          | SW-PW プライナヘネジ M4X8  | Screw M4X8                  | 1               |
| K 119      |            | M90990002          | ヒラネジ M4X8           | Screw M4X8                  | 4               |
| K 120      |            | ME10A0470          | スベリイタ               | Slide plate                 | 1               |
| K 121      |            | ME10A0797          | ホコフィルム              | Film sheet                  | 1               |
| K 122      |            | M90605010          | サラネジ 3/32(56)X2.8   | Screw 3/32(56)X2.8          | 2               |
| K 123      |            | MS03A1101          | ハリイタ φ2.2           | Needle plate                | 1               |
| K 124      |            | MS01A1476          | スペーサ                | Spacer                      | 1               |
| K 125      |            | MA10B2476          | スペーサ                | Spacer                      | 1               |
| K 126      |            | MS14A0838          | コティメス               | Fixed knife                 | 1               |
| K 127      |            | M90906003          | マルヒラネジ 9/64(40)X3.2 | Screw 9/64(40)X3.2          | 4               |
| K 128      |            | MS03B0838          | イトウメス               | Movable knife               | 1               |
| K 129      |            | M96004052          | ウェーブワッシャ 6          | Wave washer 6               | 1               |
| K 130      |            | M91129015          | ヒラネジ 11/64(40)      | Screw 11/64(40)             | 1               |
| K 131      |            | M91222001          | トメネジ M5X6           | Screw M5X6                  | 1               |
| K 132      |            | MS01A5454          | ツバツキシク              | Stepped pin                 | 1               |
| K 133      |            | M91214015          | ヒラネジ 3/16(28)       | Screw 3/16(28)              | 1               |
| K 134      |            | MA20A0392          | メスクトウウデ (3)         | knife driving crank (3)     | 1               |
| K 135      |            | MS01A0192          | イタハネ                | Leaf spring                 | 1               |
| K 136      |            | M90513065          | E 外メワ 2.5           | E-type retaining ring 2.5   | 1               |
| K 137      |            | MS03A1910          | リンク                 | Link                        | 1               |
| K 138      |            | M90102017          | ホルトダンツキ 11/64(40)   | Bolt 11/64(40)              | 1               |
| K 139      |            | ME10E0975          | ロッドエンドクミタテ (ヨコ)     | Connecting rod (horizontal) | 1               |
| K 140      |            | MS01E0430          | イトキリサトウウデ           | Crank                       | 1               |
| K 141      |            | M95003021          | ロツクアナツキホルト M5X12    | Bolt M5X12                  | 3               |
| K 142      |            | M91056004          | SW-PW プライナヘネジ M4X10 | Screw M4X10                 | 3               |
| K 143      |            | MS14A3601          | ソレノイドトリツケイタ         | Solenoid bracket            | 1               |
| K 144      |            | ME10E2519          | イトキリソレノイド           | Solenoid (thread trim)      | 1               |
| K 145      |            | M91576045          | ナット M6              | Nut M6                      | 1               |
| K 146      |            | M91652020          | コネジ M6X35           | Screw M6X35                 | 1               |
| K 147      |            | MS01A0348          | カムシク                | Shaft                       | 1               |
| K 148      |            | MS01A1572          | ツルマキハネ              | Spring                      | 1               |
| K 149      |            | MS01E0351          | カムツイシユウウデクミ         | Cam follower assy           | 1               |
| K 150      |            | M91104045          | ナット 11/64(40)       | Nut 11/64(40)               | 2               |
| K 151      |            | M95004021          | ロツクアナツキトメネジ M5X5    | Screw M5X5                  | 4               |
| K 152      |            | M90101017          | ホルトダンツキ 11/64(40)   | Bolt 11/64(40)              | 3               |
| K 153      |            | MS01E0975          | ロッドエンドクミタテ (タテ)     | Connecting rod (vertical)   | 1               |
| K 154      |            | MS08A0708          | ハネカケ                | Hook                        | 1               |
| K 155      |            | MS01A2572          | ツルマキハネ              | Spring                      | 1               |
| K 156      |            | MS08A0454          | シク                  | Shaft                       | 1               |
| K 157      |            | MS01A2392          | メスクトウウデ (2)         | knife driving crank (2)     | 1               |
| K 158      |            | M91109045          | ロングナット 11/64(40)    | Long nut 11/64(40)          | 1               |
| K 159      |            | MS01A1392          | メスクトウウデ (1)         | knife driving crank (1)     | 1               |
| K 160      |            | M90511050          | サガネ 5               | Washer 5                    | 1               |
| K 161      |            | M90504053          | ハネサガネ 5             | Spring washer 5             | 1               |
| K 162      |            | M91108001          | トメネジ 11/64(40)X5.5  | Screw 11/64(40)X5.5         | 1               |
| K 901      |            | MS01A3352          | カラークミ               | Collar assy                 | 2               |

# **L 中押え機構** **PRESSER BAR LIFTING MECHANISM**

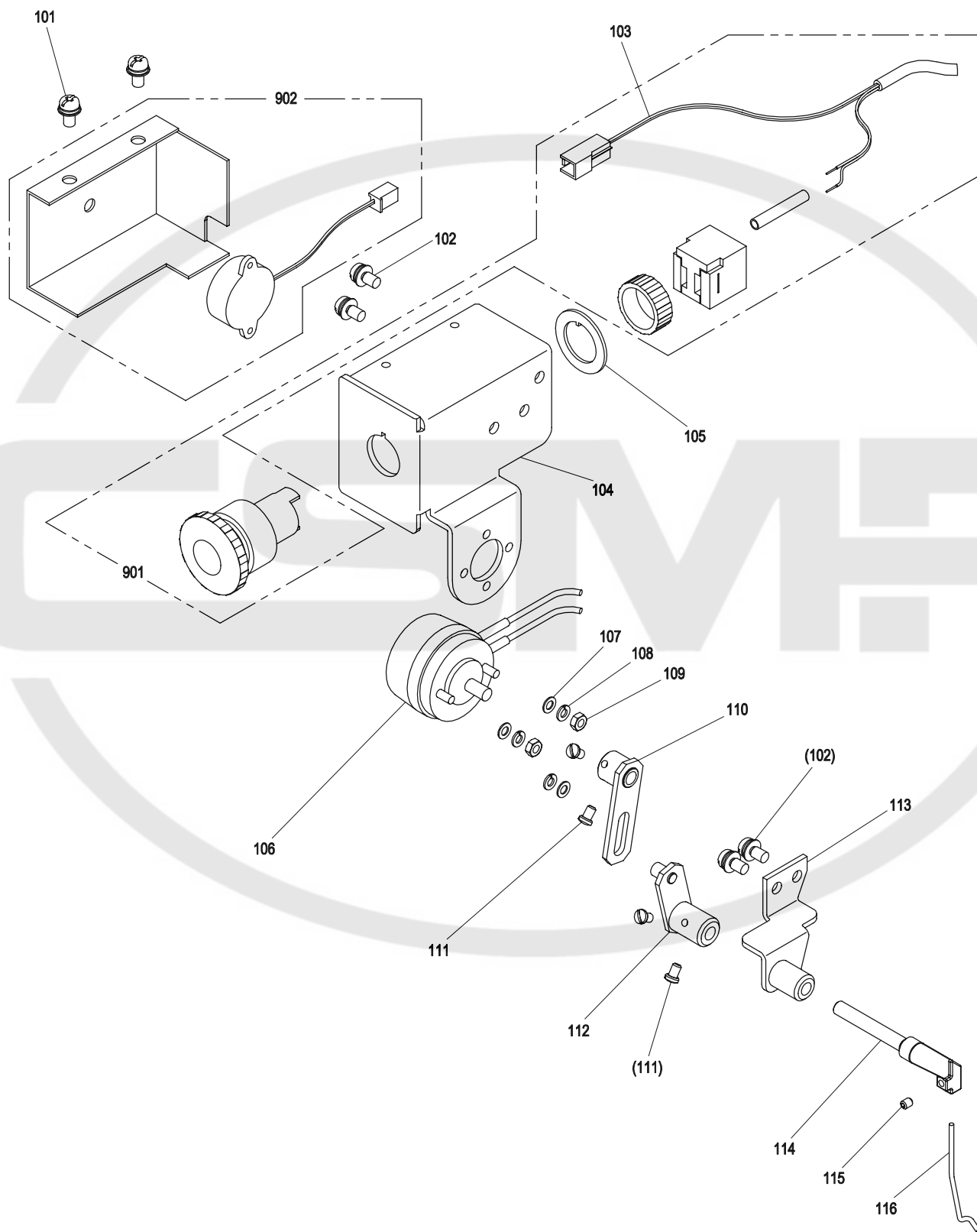


## [L] 中押え機構

## PRESSER BAR LIFTING MECHANISM

| Fig<br>no. | 変更<br>Mod. | 部品コード<br>Parts no. | 品 名                | Description              | 数量<br>Amt. Req. |
|------------|------------|--------------------|--------------------|--------------------------|-----------------|
| L 101      |            | M91801035          | ツマミネジ 9/32(28)X35  | Thumb screw 9/32(28)X35  | 1               |
| L 102      |            | M91802045          | ナット 9/32(28)       | Nut 9/32(28)             | 1               |
| L 103      |            | ME10A0261          | オサエチョウセツタイ         | Bracket                  | 1               |
| L 104      |            | M91054004          | SW-PWブラマイナネジ M4X8  | Screw M4X8               | 2               |
| L 105      |            | ME10A0572          | ツルマキバネ             | Spring                   | 1               |
| L 106      |            | MS03A6154          | アンナイガネ             | Spring guide bar         | 1               |
| L 107      |            | M91689015          | ヒラネジダンツキ 1/4(40)   | Screw 1/4(40)            | 1               |
| L 108      |            | MG30B0226          | オサエイタササエ           | Supporter                | 1               |
| L 109      |            | M91688015          | ヒラネジダンツキ 1/4(40)   | Screw 1/4(40)            | 4               |
| L 110      |            | ME10A6910          | リンク                | Link                     | 1               |
| L 111      |            | ME10A0763          | ベルクランク             | Bell crank               | 1               |
| L 112      |            | ME10A7910          | リンク                | Link                     | 1               |
| L 113      |            | M91053020          | ロツカクアナツキトメネジ M4X6  | Screw M4X6               | 3               |
| L 114      |            | M99006063          | ツバツキシク             | Pin                      | 1               |
| L 115      |            | M90908003          | マルヒラネジ 9/64(40)X6  | Screw 9/64(40)X6         | 1               |
| L 116      |            | MN70A1780          | ホルダ                | Holder                   | 1               |
| L 117      |            | MG30A0740          | フェルト               | Felt                     | 1               |
| L 118      |            | ME10A1956          | レンセツカン             | Link                     | 1               |
| L 119      |            | MS02E0460          | ウデクミタテ             | Arm shaft assy           | 1               |
| L 120      |            | MG30A0833          | メタル                | Bushing                  | 2               |
| L 121      |            | M91603003          | マルヒラネジ 1/4(40)X16  | Screw 1/4(40)X16         | 1               |
| L 122      |            | M91572045          | U ナット 6X0.75       | U-nut 6X0.75             | 1               |
| L 123      |            | M90631050          | サガネ 6              | Washer 6                 | 1               |
| L 124      |            | ME10A0956          | レンセツカン             | Crank rod                | 1               |
| L 125      |            | M91551015          | ホルトダンツキ M6         | Bolt M6                  | 1               |
| L 126      |            | MF60A0700          | センサイクハネ            | Holder                   | 1               |
| L 127      |            | MG30B0740          | フェルト               | Felt                     | 1               |
| L 128      |            | M90325065          | Cガタメワ 25           | C-type retaining ring 25 | 1               |
| L 129      |            | M91606001          | トメネジ 1/4(40)X6     | Screw 1/4(40)X6          | 2               |
| L 130      |            | M93202045          | ツマミネジ 1/2(28)X43   | Thumb screw 1/2(28)X43   | 1               |
| L 131      |            | M93202047          | ナット 1/2(28)        | Nut 1/2(28)              | 1               |
| L 132      |            | MS03A0703          | アンナイボウ             | Presser bar guide        | 1               |
| L 133      |            | M90632050          | コサガネ 6             | Washer 6                 | 1               |
| L 134      |            | MS03A1572          | ツルマキバネ             | Spring                   | 1               |
| L 135      |            | MG75A0265          | オサエボウダキ            | Presser bar holder       | 1               |
| L 136      |            | M91506001          | トメネジ 15/64(28)X6   | Screw 15/64(28)X6        | 1               |
| L 137      |            | MF10A0267          | オサエボウメタル           | Bushing                  | 1               |
| L 138      |            | MS03A0262          | オサエボウ              | Presser bar              | 1               |
| L 139      |            | M90922002          | ヒラネジ 9/64(40)X8    | Screw 9/64(40)X8         | 1               |
| L 140      |            | MB60A1626          | ニートルガード            | Needle guard             | 1               |
| L 141      |            | MV30A0256          | オサエ φ3             | Presser foot φ3          | 1               |
| L 142      |            | M91219015          | ヒラネジダンツキ 3/16(28)  | Screw 3/16(28)           | 2               |
| L 143      |            | M91131002          | ヒラネジ 11/64(40)X6.5 | Screw 11/64(40)X6.5      | 1               |
| L 144      |            | ME10A1252          | オサエアゲレバー           | Lifting lever            | 1               |
| L 145      |            | MF70A0350          | イトルメカム             | Plate cam                | 1               |
| L 146      |            | M90423060          | イトルメピン             | Pin                      | 1               |
| L 147      |            | M91515022          | ホルトダンツキ 15/64(28)  | Bolt 15/64(28)           | 1               |
| L 148      |            | ME10A0738          | ヒキボウ               | Link                     | 1               |
| L 149      |            | ME10A0833          | メタル                | Bushing                  | 1               |
| L 150      |            | ME10A0950          | レバー                | Lever                    | 1               |
| L 151      |            | M90990002          | ヒラネジ M4X8          | Screw M4X8               | 1               |
| L 152      |            | M91056004          | SW-PWブラマイナネジ M4X10 | Screw M4X10              | 1               |
| L 153      |            | ME10A0810          | マワリドメイタ            | Holder                   | 1               |
| L 154      |            | ME10A0252          | オサエアゲレバー           | Lifting lever            | 1               |
| L 155      |            | ME10A1729          | ヒネリバネ              | Spring                   | 1               |
| L 156      |            | ME10A2454          | ジク                 | Shaft                    | 1               |
| L 157      |            | K14S92221040       | Eガタメワ 4            | E-type retaining ring 4  | 2               |
| L 158      |            | M90432060          | ピン                 | Pin                      | 1               |
| L 159      |            | ME10E1519          | ソレノイドクミタテ          | Solenoid assy            | 1               |
| L 160      |            | M91116002          | ヒラネジ 11/64(40)X8   | Screw 11/64(40)X8        | 4               |
| L 161      |            | ME10A2601          | ソレノイドトリツケイタ        | Bracket                  | 1               |
| L 162      |            | M95002017          | セフティソケット M5X12     | Bolt M5X12               | 2               |
| L 901      |            | MG30A0760          | ヘンシンリンクミタテ         | Eccentric cam assy       | 1               |
| L 902      |            | MS02A0463          | ウデ (ミキ)            | Arm (right)              | 1               |

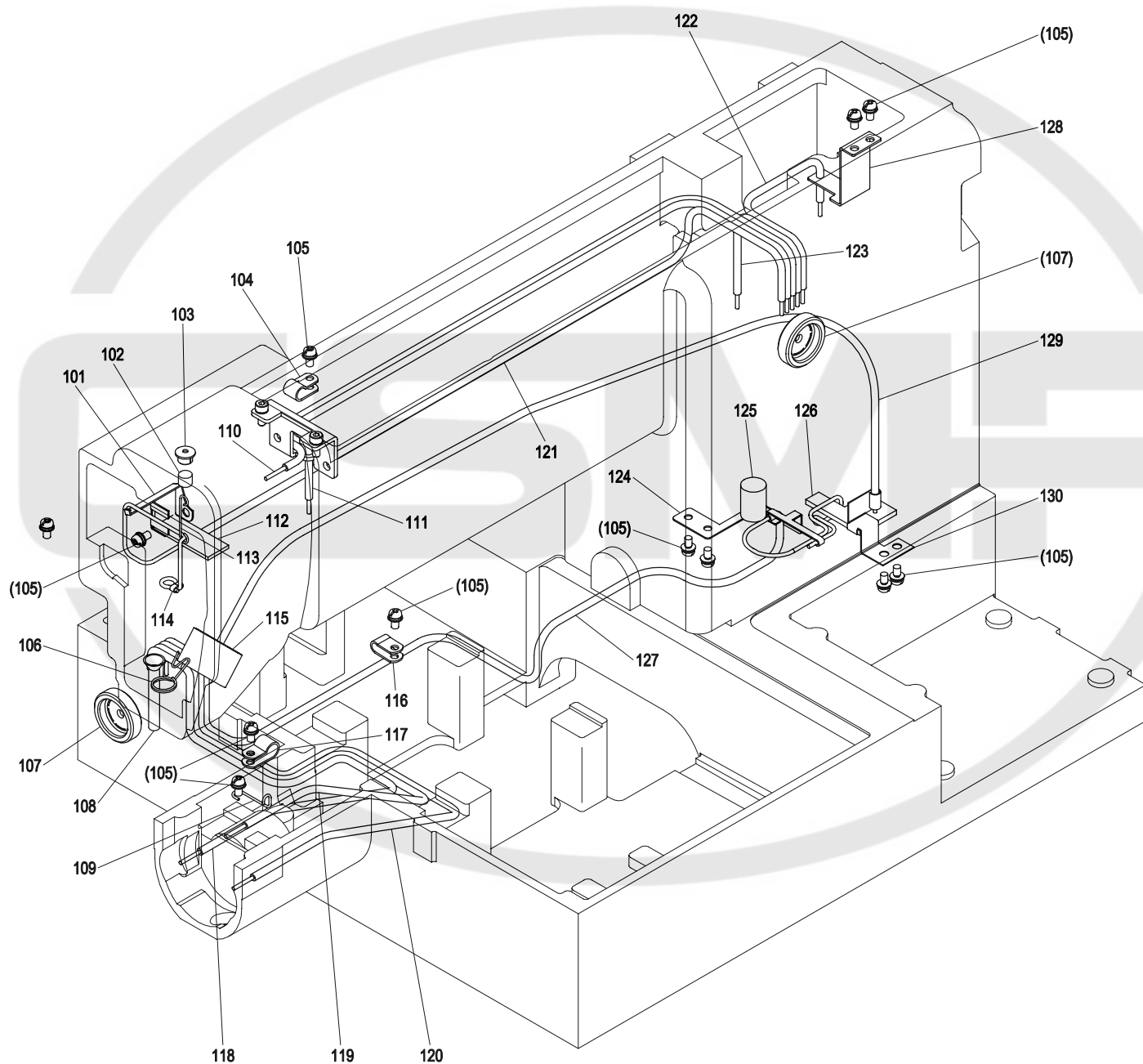
**M** ワイパー機構  
WIPER MECHANISM



[M]ワイパー機構  
WIPER MECHANISM

| Fig<br>no. | 変更<br>Mod. | 部品コード<br>Parts no. | 品 名                                                        | Description              | 数量<br>Amt. Req. |
|------------|------------|--------------------|------------------------------------------------------------|--------------------------|-----------------|
| M 101      |            | M91058004          | SW-PW <sup>+</sup> ラマイナ <sup>+</sup> ネジ <sup>+</sup> M4X6  | Screw M4X6               | 2               |
| M 102      |            | M91054004          | SW-PW <sup>+</sup> ラマイナ <sup>+</sup> ネジ <sup>+</sup> M4X8  | Screw M4X8               | 4               |
| M 103      |            | M97356099          | セツゾク <sup>+</sup> デ <sup>+</sup> ンセン                       | Cable (stop BZ)          | 1               |
| M 104      |            | ME10E3601          | トリツケ <sup>+</sup> イタ                                       | Bracket                  | 1               |
| M 105      |            | MB60A0915          | ロック <sup>+</sup> リング                                       | Lock ring                | 1               |
| M 106      |            | ME10E4519          | ワイパ <sup>+</sup> ーソレノイ <sup>+</sup> ド                      | Solenoid (wiper)         | 1               |
| M 107      |            | M90317050          | ザ <sup>+</sup> カ <sup>+</sup> ネ 3                          | Washer 3                 | 2               |
| M 108      |            | M90307053          | ハ <sup>+</sup> ネザ <sup>+</sup> カ <sup>+</sup> ネ 3          | Spring washer 3          | 2               |
| M 109      |            | M90875045          | ナツ <sup>+</sup> ト M3                                       | Nut M3                   | 2               |
| M 110      |            | MS02E0983          | ク <sup>+</sup> トウイ <sup>+</sup> タ                          | Wiper crank 1            | 1               |
| M 111      |            | M90802003          | マルヒ <sup>+</sup> ラネジ <sup>+</sup> 1/8(44)X4.5              | Screw 1/8(44)X4.5        | 4               |
| M 112      |            | MS03E0981          | ジュ <sup>+</sup> ウトウイ <sup>+</sup> タ                        | Wiper crank 2            | 1               |
| M 113      |            | MB60E0982          | ワイパ <sup>+</sup> ーダ <sup>+</sup> イ                         | Wiper adapter            | 1               |
| M 114      |            | MS03A1530          | ワイパ <sup>+</sup> ーシ <sup>+</sup> ク                         | Wiper shaft              | 1               |
| M 115      |            | M91057020          | ロック <sup>+</sup> クアナツキ <sup>+</sup> トメネジ <sup>+</sup> M3X4 | Screw M3X4               | 1               |
| M 116      |            | MS03A3980          | ワイパ <sup>+</sup> ー                                         | Wiper                    | 1               |
| M 901      |            | ME10E0270          | オシボ <sup>+</sup> タンスイツ <sup>+</sup> チクミ                    | Switch assy              | 1               |
| M 902      |            | MB60E3339          | カバ <sup>+</sup> ークミ (フ <sup>+</sup> サ <sup>+</sup> ーツキ)    | Cover assy (with buzzer) | 1               |

**N 給油機構**  
**OIL LUBRICATION MECHANISM**

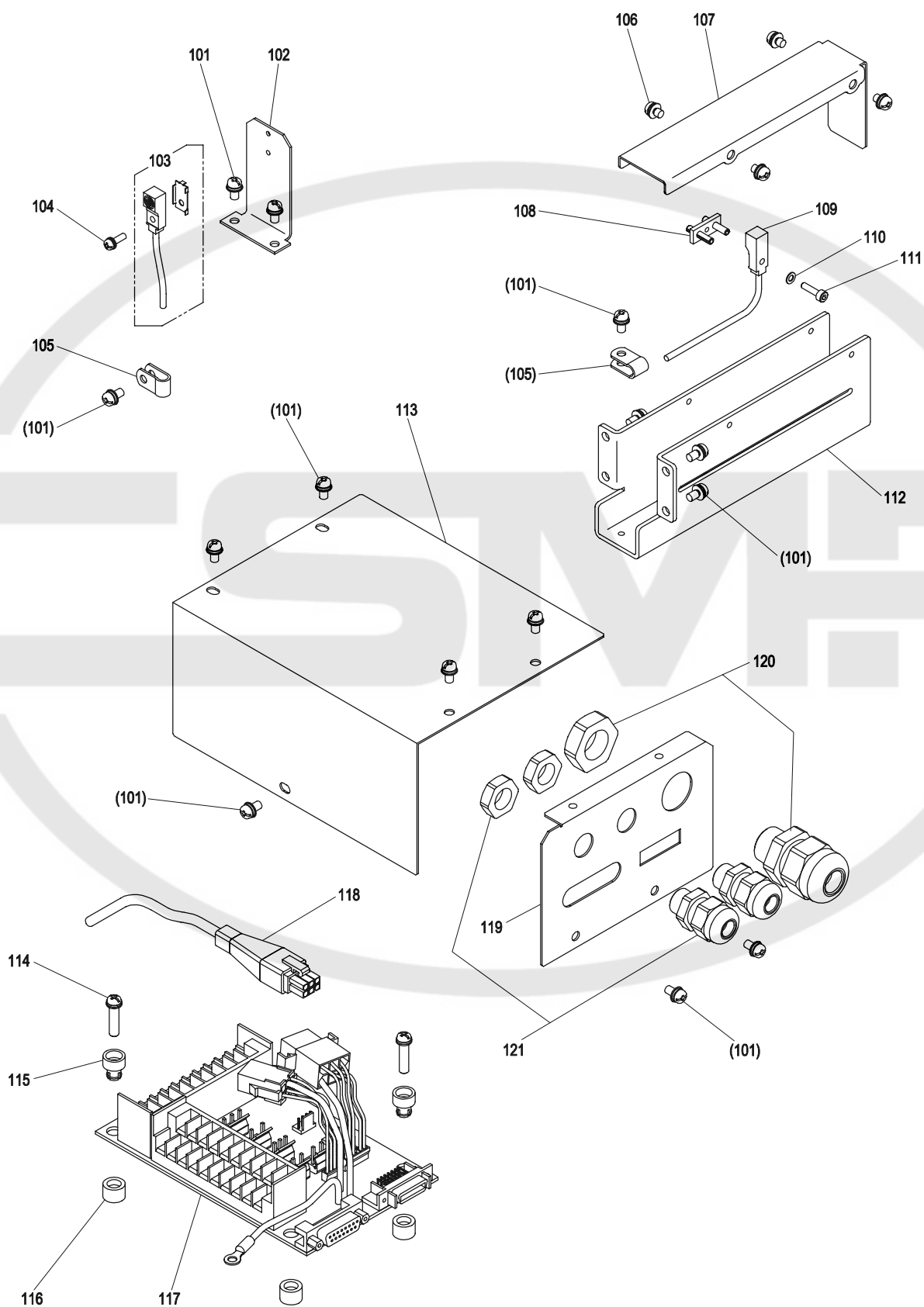


[N]給油機構

OIL LUBRICATION MECHANISM

| Fig<br>no. | 変更<br>Mod. | 部品コード<br>Parts no. | 品 名                   | Description                           | 数量<br>Amt. Req. |
|------------|------------|--------------------|-----------------------|---------------------------------------|-----------------|
| N 101      |            | ME10A1780          | ホルダ                   | Holder                                | 1               |
| N 102      |            | MF10A2740          | フェルト                  | Felt                                  | 1               |
| N 103      |            | MF60A0742          | フタ                    | Cap                                   | 1               |
| N 104      |            | M94004099          | ナイロンクリップ AB-4N        | Nylon clip AB-4N                      | 1               |
| N 105      |            | M91054004          | SW-PWプラマイナベネジ M4X8    | Screw M4X8                            | 11              |
| N 106      |            | MF00A2780          | ホルダ                   | Holder                                | 1               |
| N 107      |            | MN10A0135          | オイルゲージ                | Oil gauge                             | 2               |
| N 108      |            | MS10A0688          | パイプ (アルミ)             | Pipe                                  | 1               |
| N 109      |            | MS01A8796          | ホルダ                   | Holder                                | 1               |
| N 110      |            | ME10E1688          | パイプヒモクミ (ウワシクメタル マエ)  | Oil pipe assy (drive shaft bushing F) | 1               |
| N 111      |            | ME10E2688          | パイプヒモクミ (ヘンシンリン)      | Oil pipe assy (eccentric cam)         | 1               |
| N 112      |            | MS01A1740          | フェルト                  | Felt                                  | 1               |
| N 113      |            | MS03A2780          | ホルダ                   | Holder                                | 1               |
| N 114      |            | MF80A0780          | ホルダ                   | Holder                                | 1               |
| N 115      |            | MS01A0740          | フェルト                  | Felt                                  | 1               |
| N 116      |            | M94003099          | ナイロンクリップ AB-3N        | Nylon clip AB-3N                      | 1               |
| N 117      |            | MN60A0620          | ナイロンクリップ AB-5N        | Nylon clip AB-5N                      | 1               |
| N 118      |            | ME10E3688          | パイプヒモクミ (カマ ヒタリ)      | Oil pipe assy (hook left)             | 1               |
| N 119      |            | ME10E4688          | パイプヒモクミ (カマ ナカ)       | Oil pipe assy (hook center)           | 1               |
| N 120      |            | ME10E5688          | パイプヒモクミ (カマ ミキ)       | Oil pipe assy (hook right)            | 1               |
| N 121      |            | ME10E6688          | パイプヒモクミ (ハリホウ)        | Oil pipe assy (needle bar)            | 1               |
| N 122      |            | ME10E7688          | パイプヒモクミ (レンセツカン)      | Oil pipe assy (connecting rod)        | 1               |
| N 123      |            | ME10E8688          | パイプヒモクミ (ウワシクメタル ナカ)  | Oil pipe assy (drive shaft bushing C) | 1               |
| N 124      |            | MS14A3780          | ホルダ                   | Holder                                | 1               |
| N 125      |            | MF60A5740          | フェルト                  | Felt                                  | 1               |
| N 126      |            | MS14A0740          | フェルト                  | Felt                                  | 1               |
| N 127      |            | ME10E9688          | パイプヒモクミ (シタシクメタル ウシロ) | Oil pipe assy (hook shaft bushing R)  | 1               |
| N 128      |            | MB60A1780          | ホルダ                   | Holder                                | 1               |
| N 129      |            | ME10F0688          | パイプヒモクミ (カンユ)         | Oil pipe assy (circulation)           | 1               |
| N 130      |            | MS01A9796          | ホルダ                   | Holder                                | 1               |

**P 配線検出器関係**  
**CABLE COMPONENT & DETECTOR MECHANISM**



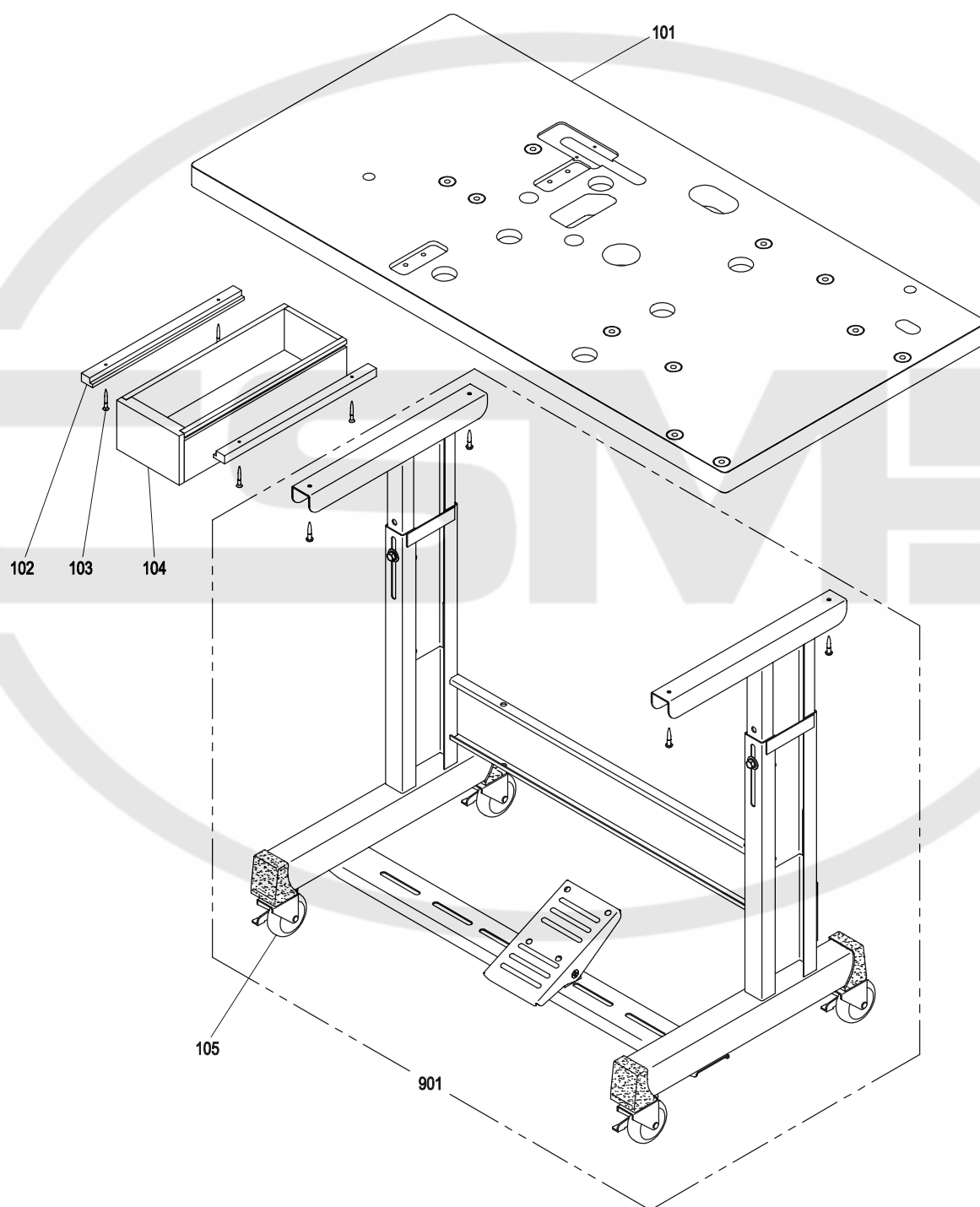
[P]配線・検出器関係

CABLE COMPONENT & DETECTOR MECHANISM

| Fig<br>no. | 変更<br>Mod. | 部品コード<br>Parts no. | 品 名                 | Description          | 数量<br>Amt. Req. |
|------------|------------|--------------------|---------------------|----------------------|-----------------|
| P 101      |            | M91054004          | SW-PWプラマイナヘネジ M4X8  | Screw M4X8           | 15              |
| P 102      |            | ME10A0408          | ケンシュツダイ X           | Detector bracket X   | 1               |
| P 103      |            | ME10E0484          | キンセツスイッチ X          | Detector X           | 1               |
| P 104      |            | M90971004          | SW-PWプラマイナヘネジ M3X10 | Screw M3X10          | 1               |
| P 105      |            | M94003099          | ナイロンクリップ AB-3N      | Nylon clip AB-3N     | 2               |
| P 106      |            | M91058004          | SW-PWプラマイナヘネジ M4X6  | Screw M4X6           | 4               |
| P 107      |            | ME10A9339          | Yケンシュツキカバー          | Detector cover Y     | 1               |
| P 108      |            | ME10A2780          | ネジイタクミタテ            | Holder plate assy    | 1               |
| P 109      |            | ME10E1484          | キンセツスイッチ Y          | Detector Y           | 1               |
| P 110      |            | M90317050          | ザカネ 3               | Washer 3             | 1               |
| P 111      |            | M93011021          | ロックアナツキホルト M3X12    | Bolt M3X12           | 1               |
| P 112      |            | ME10A1408          | Yケンシュツダイ            | Detector bracket Y   | 1               |
| P 113      |            | MB60A5339          | Pパンカバー              | Circuit board cover  | 1               |
| P 114      |            | M91057004          | SW-PWプラマイナヘネジ M4X20 | Screw M4X20          | 4               |
| P 115      |            | MB60A0366          | ワンタッチブッシュ           | Nylon bush           | 4               |
| P 116      |            | MB60A2352          | ワンタッチブッシュ           | Nylon bush           | 4               |
| P 117      |            | M95003096          | Pバンクミタテ             | Print circuit board  | 1               |
| P 118      |            | K14M71725402       | ケーブル (エンコーダ)        | Cable (Encoder)      | 1               |
| P 119      |            | MB60A5601          | コネクタトリツケイタ          | Connector panel      | 1               |
| P 120      |            | MB60A5780          | コードブッシュ 大           | Cord bushing (large) | 1               |
| P 121      |            | MB60A6780          | コードブッシュ ショウ         | Cord bushing (small) | 2               |

**Q** テーブル関係  
TABLE & STAND

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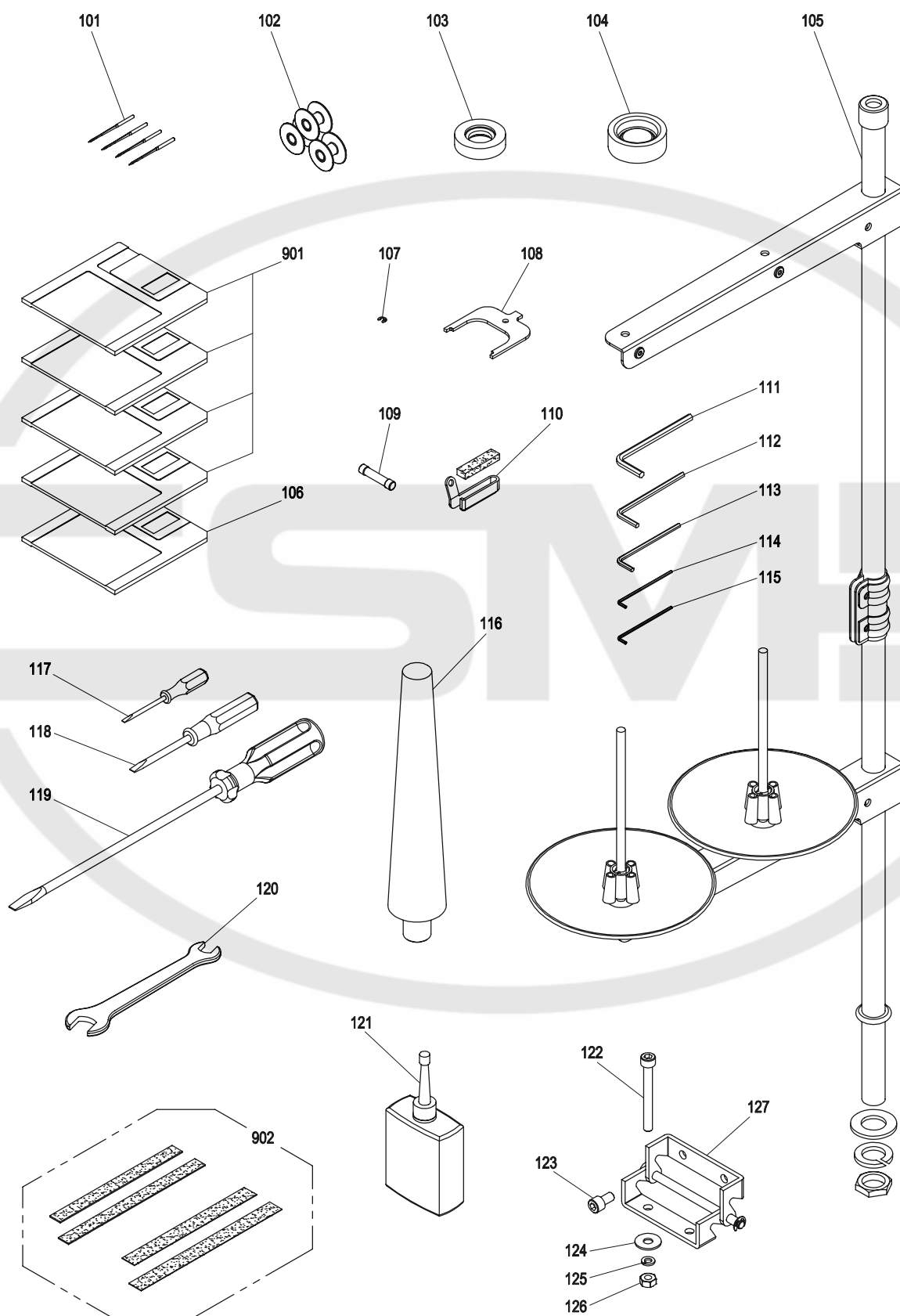


[Q]テーブル関係  
TABLE & STAND

| Fig<br>no. | 変更<br>Mod. | 部品コード<br>Parts no. | 品 名             | Description          | 数量<br>Amt. Req. |
|------------|------------|--------------------|-----------------|----------------------|-----------------|
| Q 101      |            | ME10A0595          | テンイタ            | Table top            | 1               |
| Q 102      |            | MB60A3957          | レール             | Rail                 | 2               |
| Q 103      |            | M90406040          | Pサラモクネジ φ4.5X38 | Wooden screw φ4.5X38 | 4               |
| Q 104      |            | MB60A0719          | ヒキタシ            | Drawer               | 1               |
| Q 105      |            | MB60A1368          | キャスター           | Caster               | 4               |
| Q 901      |            | MB60E0150          | キャククミタテ         | Leg assy             | 1               |



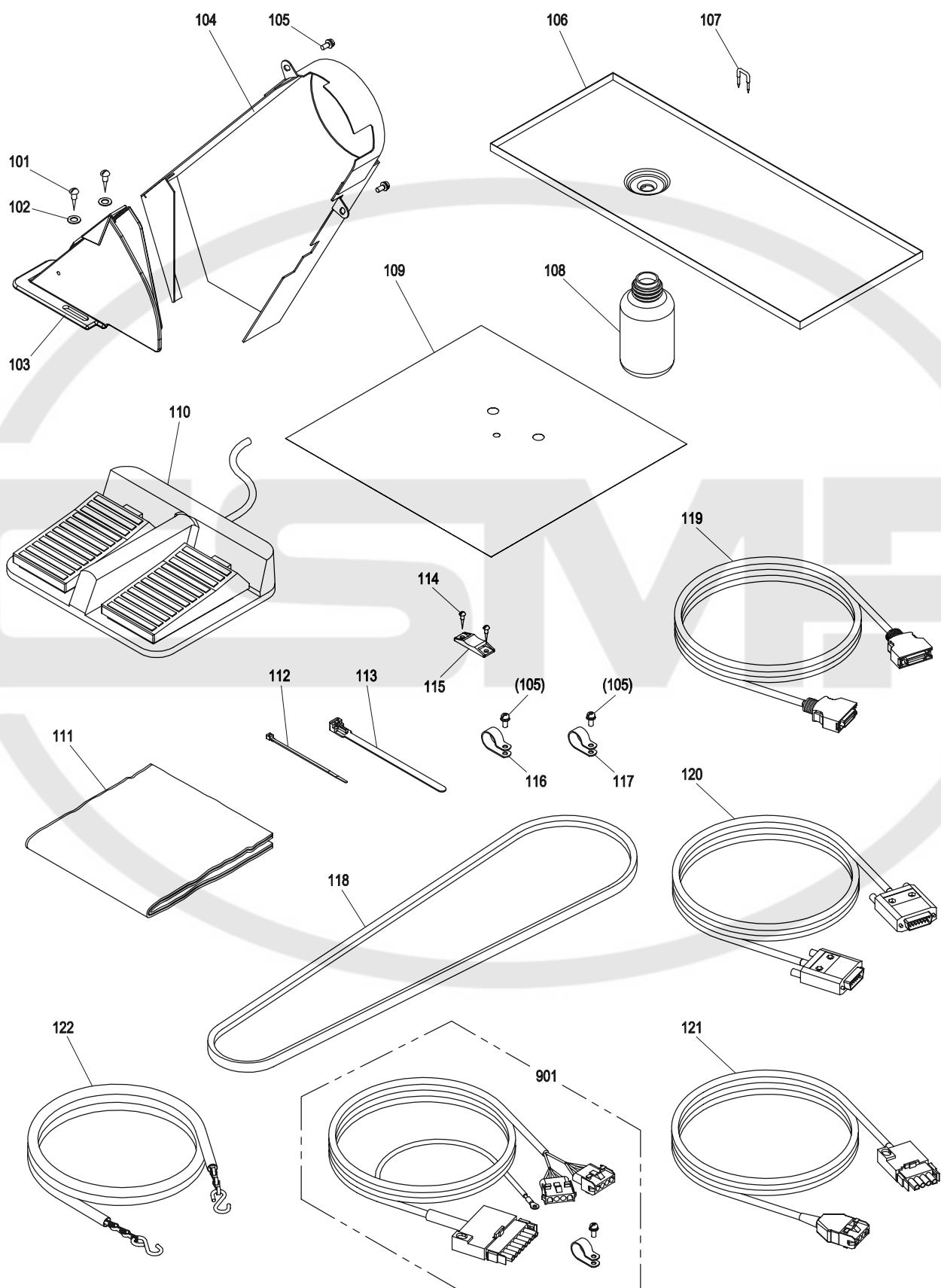
**R 付属品(1)**  
**ACCESSORIES(1)**



[R] 付属品(1)  
ACCESSORIES(1)

| Fig<br>no. | 変更<br>Mod. | 部品コード<br>Parts no. | 品 名                 | Description                        | 数量<br>Amt. Req. |
|------------|------------|--------------------|---------------------|------------------------------------|-----------------|
| R 101      |            | MS02A0128          | ミシンハリ DPX17#18      | Needle DPX17#18                    | 4               |
| R 102      |            | MA10A0123          | ホビン                 | Bobbin                             | 3               |
| R 103      |            | MS03A0417          | ゴムワ (イトマキヨウ)        | Tire (for bobbin winder)           | 1               |
| R 104      |            | MB60A0419          | ホウシンゴム              | Rubber cushion                     | 6               |
| R 105      |            | MF40E0193          | イトタテダイクミタテ          | Cotton stand assy                  | 1               |
| R 106      |            | MB60A1990          | データフロッピーディスク        | Pattern data F/D                   | 1               |
| R 107      |            | M90513065          | Eカトメワ 2.5           | E-type retaining ring 2.5          | 5               |
| R 108      |            | MF01A0565          | カクトチョウセイグ           | Speed command disk adjusting plate | 1               |
| R 109      |            | M82510FUS          | ヒューズ                | Fuse                               | 2               |
| R 110      |            | MS03A0181          | イトアンナイ              | Thread guide                       | 1               |
| R 111      |            | MS01A1976          | ロッカクホウレンチ 4         | Hexagonal wrench 4                 | 1               |
| R 112      |            | MB18A1479          | ロッカクホウレンチ 3         | Hexagonal wrench 3                 | 1               |
| R 113      |            | MB18A0479          | ロッカクホウレンチ 2.5       | Hexagonal wrench 2.5               | 1               |
| R 114      |            | MS10A0976          | ロッカクホウレンチ 1.5       | Hexagonal wrench 1.5               | 1               |
| R 115      |            | MN25A0479          | ロッカクホウレンチ 1/16"     | Hexagonal wrench 1/16"             | 1               |
| R 116      |            | MA10A1613          | トウブササエ              | Head rest                          | 1               |
| R 117      |            | MB02A1608          | ドライバ (ショウ)          | Screw driver (small)               | 1               |
| R 118      |            | MB02A0608          | ドライバ (チュウ)          | Screw driver (middle)              | 1               |
| R 119      |            | MF00A0608          | ドライバ (ダイ)           | Screw driver (large)               | 1               |
| R 120      |            | MM10A1479          | スパナ10-14            | Spanner 10-14                      | 1               |
| R 121      |            | MF10A0149          | アブラサシ               | Oiler with oil                     | 1               |
| R 122      |            | M96020021          | ロッカクアナツキボルト M6X55   | Bolt M6X55                         | 4               |
| R 123      |            | M96002017          | セフティソケット M6X12      | Bolt M6X12                         | 4               |
| R 124      |            | M90630050          | サガネ 6.5-18          | Washer 6.5-18                      | 4               |
| R 125      |            | M90624053          | ハネサガネ 6             | Spring washer 6                    | 4               |
| R 126      |            | M91576045          | ナット M6              | Nut M6                             | 4               |
| R 127      |            | MB60A0560          | チョウハン               | Hinge                              | 2               |
| R 901      |            | ME10A0990          | システムフロッピーディスク (4マイ) | System F/D (4discs)                | 1               |
| R 902      |            | ME10E0691          | パッキンセット             | Clamp pad set                      | 1               |

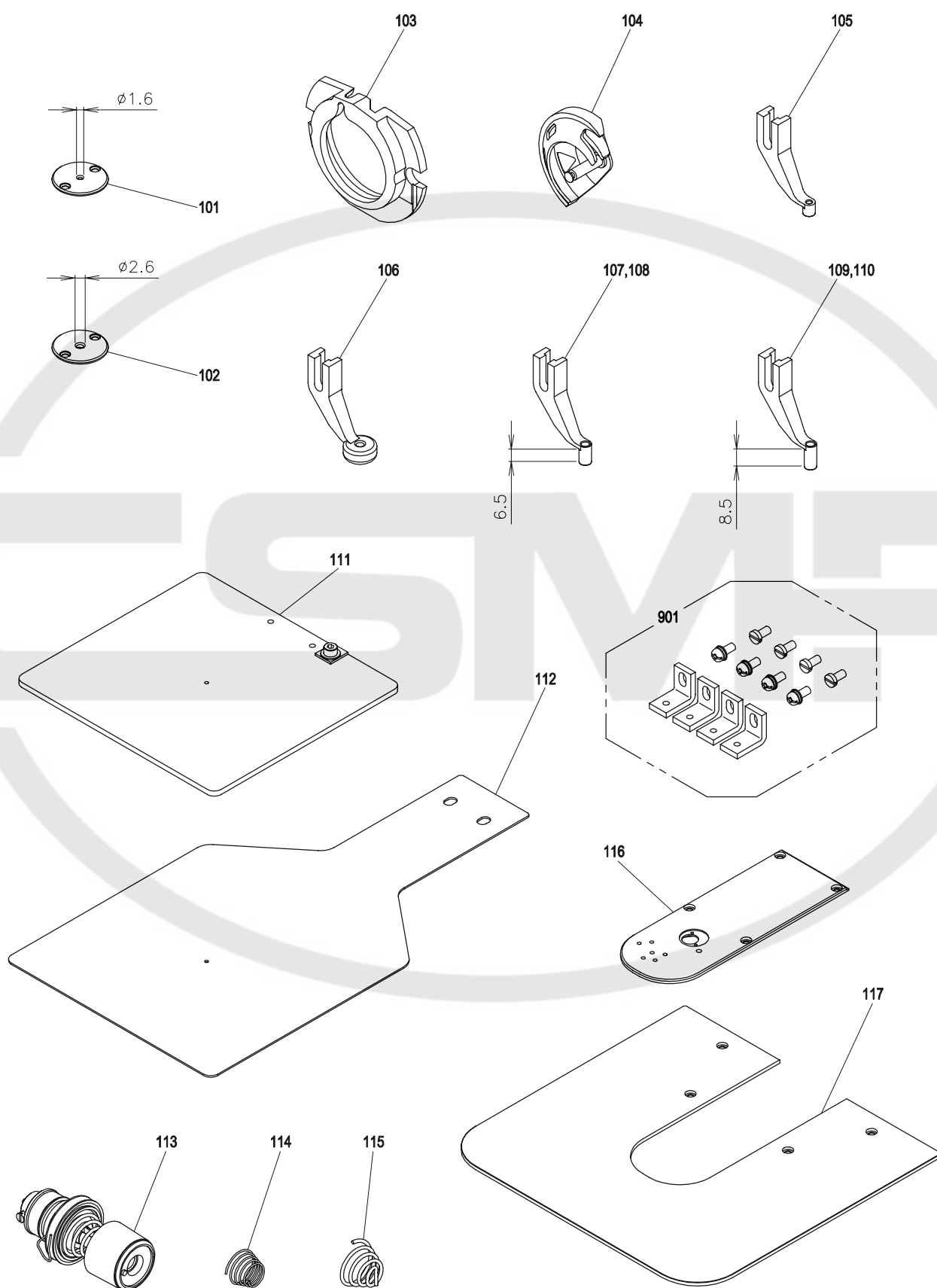
**S** 付属品(2)  
ACCESSORIES(2)



[S]付属品(2)  
ACCESSORIES(2)

| Fig<br>no. | 変更<br>Mod. | 部品コード<br>Parts no. | 品 名                | Description          | 数量<br>Amt. Req. |
|------------|------------|--------------------|--------------------|----------------------|-----------------|
| S 101      |            | M90409041          | マルモクネジ 4.5X20      | Wooden screw 4.5X20  | 2               |
| S 102      |            | M90632050          | サカネ 6              | Washer 6             | 2               |
| S 103      |            | ME10E1776          | ベルトカバー             | Belt cover           | 1               |
| S 104      |            | ME10E0776          | ベルトカバー             | Belt cover           | 1               |
| S 105      |            | M91056004          | SW-PWプラマイナネジ M4X10 | Screw M4X10          | 4               |
| S 106      |            | MB60E0131          | オイルパン              | Oil pan              | 1               |
| S 107      |            | K14M95610701       | ステッフル              | Staple               | 4               |
| S 108      |            | MF20A0130          | アブラビン              | Oil bottle           | 1               |
| S 109      |            | ME10A0797          | ホコフィルム             | Film sheet           | 1               |
| S 110      |            | M860A0FSW          | フットスイッチ            | Foot switch          | 1               |
| S 111      |            | MQ10A0734          | ビニルカバー             | Polyethylene cover   | 1               |
| S 112      |            | MG51A0201          | バインダー              | Cord tie             | 1               |
| S 113      |            | MB60A0201          | バインダー              | Cord tie             | 2               |
| S 114      |            | M90306041          | マルモクネジ 3.1X16      | Wooden screw 3.1X16  | 4               |
| S 115      |            | MB60A0420          | コティグ               | Tie holder           | 2               |
| S 116      |            | MB60A2620          | ナイロンクリップ AB-10N    | Nylon clip AB-10N    | 1               |
| S 117      |            | MB60A1620          | ナイロンクリップ AB-8N     | Nylon clip AB-8N     | 1               |
| S 118      |            | MS10A0777          | Vベルト M51           | V-belt M51           | 1               |
| S 119      |            | M97319099          | ケーブル (ニューリヨクシンゴウ)  | Cable (input signal) | 1               |
| S 120      |            | M97320099          | ケーブル (ソレノイド)       | Cable (solenoid)     | 1               |
| S 121      |            | M97318099          | ケーブル (サーボモータ用)     | Cable (servo motor)  | 1               |
| S 122      |            | MB05A0376          | クサリ                | Chain                | 1               |
| S 901      |            | M97355099          | ケーブル (パルスモータ)      | Cable (pulse motor)  | 1               |

**T オプションパーツ  
OPTION PARTS**



[T]オプションパーツ  
OPTION PARTS

| Fig<br>no. | 変更<br>Mod. | 部品コード<br>Parts no. | 品 名                      | Description                           | 数量<br>Amt. Req. |
|------------|------------|--------------------|--------------------------|---------------------------------------|-----------------|
| T 101      |            | MS03A0101          | ハリイタ (ウスモノヨウ) $\phi$ 1.6 | Needle plate (for light) $\phi$ 1.6   | 1               |
| T 102      |            | MS03A2101          | ハリイタ (アツモノヨウ) $\phi$ 2.6 | Needle plate (for heavy) $\phi$ 2.6   | 1               |
| T 103      |            | MS01A1616          | ナカガマオサエ (アツモノヨウ)         | Inner hook clamber (for heavy)        | 1               |
| T 104      |            | MS17A1120          | ナカガマ (アツモノヨウ)            | Inner hook (for heavy)                | 1               |
| T 105      |            | MV30A1256          | ナカオサエ (ウスモノヨウ)           | Presser foot (for light)              | 1               |
| T 106      |            | MV35A0106          | サラオサエ                    | Presser foot                          | 1               |
| T 107      |            | MS03A0256          | ナカオサエ $\phi$ 3           | Presser foot $\phi$ 3                 | 1               |
| T 108      |            | MS03A1256          | ナカオサエ $\phi$ 2           | Presser foot $\phi$ 2                 | 1               |
| T 109      |            | MA35A0256          | ナカオサエ $\phi$ 3           | Presser foot $\phi$ 3                 | 1               |
| T 110      |            | MA35A1256          | ナカオサエ $\phi$ 2           | Presser foot $\phi$ 2                 | 1               |
| T 111      |            | ME10E0272          | オサエクミタテ (ソザイ)            | Clamp frame complete (blank)          | 1               |
| T 112      |            | ME10A1272          | オクリイタ (ソザイ)              | Feed plate (blank)                    | 1               |
| T 113      |            | MS04E1210          | ウワイトチョウセツキ (クミ)          | Thread tension regulator assy         | 1               |
| T 114      |            | MF10A1245          | エンスイパネ (プリテンションヨウ)       | Spring (for pretension)               | 1               |
| T 115      |            | MN10A3245          | エンスイパネ (ウワイトチョウセツキヨウ)    | Spring (for thread tension regulator) | 1               |
| T 116      |            | MS14A0472          | スベリイタ (ナカ)               | Slide plate (center)                  | 1               |
| T 117      |            | ME10A1470          | スベリイタ (ソト)               | Slide plate (outside)                 | 1               |
| T 901      |            | ME10E0602          | スベリイタソットリツケセット           | Slide plate (outside) fastening set   | 1               |

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| K14M71725402       | *** P27 *** | P 118      | M90815002          | *** P7 ***  | D 130      | M91104045          | *** P19 *** | K 150      | M93001050          | *** P7 ***  | D 106      |
| K14M95610701       | *** P33 *** | S 107      | M90817060          | *** P17 *** | J 114      | M91108001          | *** P19 *** | K 162      | M93002050          | *** P7 ***  | D 102      |
| K14S92221040       | *** P21 *** | L 157      | M90818060          | *** P17 *** | J 124      | M91109002          | *** P15 *** | H 108      | M93003021          | *** P13 *** | G 108      |
| M82510FUS          | *** P31 *** | R 109      | M90823050          | *** P3 ***  | B 109      | ↑                  | *** P17 *** | J 104      | M93004021          | *** P15 *** | H 138      |
| M860A0FSW          | *** P33 *** | S 110      | M90853002          | *** P9 ***  | E 126      | M91109045          | *** P19 *** | K 158      | M93006050          | *** P9 ***  | E 130      |
| M90001060          | *** P9 ***  | E 128      | M90859004          | *** P3 ***  | B 138      | M91110002          | *** P3 ***  | B 121      | M93007020          | *** P13 *** | G 129      |
| M90101017          | *** P19 *** | K 152      | M90875045          | *** P23 *** | M 109      | M91112002          | *** P19 *** | K 106      | M93011021          | *** P27 *** | P 111      |
| M90102017          | *** P19 *** | K 138      | M90901002          | *** P5 ***  | C 102      | M91116002          | *** P15 *** | H 112      | M93202045          | *** P21 *** | L 130      |
| M90204060          | *** P5 ***  | C 101      | M90901020          | *** P17 *** | J 103      | ↑                  | *** P21 *** | L 160      | M93202047          | *** P21 *** | L 131      |
| M90306041          | *** P33 *** | S 114      | M90906003          | *** P3 ***  | B 137      | M91127015          | *** P15 *** | H 120      | M94001001          | *** P11 *** | F 107      |
| M90307053          | *** P23 *** | M 108      | ↑                  | *** P19 *** | K 127      | ↑                  | *** P19 *** | K 101      | M94001017          | *** P15 *** | H 143      |
| M90316050          | *** P13 *** | G 121      | M90908003          | *** P3 ***  | B 123      | M91129015          | *** P19 *** | K 130      | M94001021          | *** P15 *** | H 104      |
| M90317050          | *** P23 *** | M 107      | ↑                  | *** P21 *** | L 115      | M91131002          | *** P21 *** | L 143      | M94002017          | *** P13 *** | G 122      |
| ↑                  | *** P27 *** | P 110      | M90921002          | *** P13 *** | G 102      | M91137015          | *** P15 *** | H 111      | M94003017          | *** P13 *** | G 103      |
| M90325065          | *** P21 *** | L 128      | M90922002          | *** P21 *** | L 139      | ↑                  | *** P17 *** | J 111      | M94003021          | *** P13 *** | G 125      |
| M90330065          | *** P7 ***  | D 105      | M90943002          | *** P17 *** | J 107      | M91139015          | *** P17 *** | J 101      | M94003099          | *** P25 *** | N 116      |
| M90406040          | *** P29 *** | Q 103      | M90971004          | *** P27 *** | P 104      | M91180080          | *** P3 ***  | B 119      | ↑                  | *** P27 *** | P 105      |
| M90409041          | *** P33 *** | S 101      | M90990002          | *** P7 ***  | D 136      | M91203002          | *** P9 ***  | E 101      | M94004099          | *** P25 *** | N 104      |
| M90421050          | *** P17 *** | J 137      | ↑                  | *** P19 *** | K 119      | M91214015          | *** P19 *** | K 133      | M94006017          | *** P11 *** | F 109      |
| ↑                  | *** P19 *** | K 109      | ↑                  | *** P21 *** | L 151      | M91219015          | *** P21 *** | L 142      | ↑                  | *** P17 *** | J 130      |
| M90422050          | *** P17 *** | J 132      | M90991002          | *** P13 *** | G 124      | M91221001          | *** P7 ***  | D 122      | M94007017          | *** P17 *** | J 133      |
| M90423060          | *** P21 *** | L 146      | M91001075          | *** P11 *** | F 101      | M91222001          | *** P19 *** | K 131      | M94008017          | *** P13 *** | G 104      |
| M90424053          | *** P19 *** | K 108      | M91003022          | *** P13 *** | G 119      | M91223001          | *** P9 ***  | E 104      | M94009021          | *** P17 *** | J 138      |
| M90432060          | *** P21 *** | L 158      | M91003070          | *** P11 *** | F 128      | M91276004          | *** P3 ***  | B 101      | M94035021          | *** P13 *** | G 109      |
| M90442037          | *** P3 ***  | B 120      | ↑                  | *** P17 *** | J 120      | M91304080          | *** P3 ***  | B 106      | ↑                  | *** P17 *** | J 136      |
| M90447037          | *** P3 ***  | B 115      | M91004045          | *** P13 *** | G 132      | M91331004          | *** P19 *** | K 116      | M95001001          | *** P11 *** | F 104      |
| M90448037          | *** P11 *** | F 130      | ↑                  | *** P19 *** | K 107      | M91382045          | *** P11 *** | F 118      | M95001021          | *** P9 ***  | E 123      |
| M90500085          | *** P9 ***  | E 115      | M91004067          | *** P5 ***  | C 129      | ↑                  | *** P15 *** | H 102      | ↑                  | *** P11 *** | F 124      |
| M90504053          | *** P11 *** | F 123      | M91005067          | *** P5 ***  | C 131      | ↑                  | *** P19 *** | K 112      | ↑                  | *** P15 *** | H 129      |
| ↑                  | *** P19 *** | K 161      | M91011004          | *** P3 ***  | B 127      | M91400010          | *** P3 ***  | B 134      | M95002017          | *** P17 *** | J 134      |
| M90505065          | *** P15 *** | H 117      | M91050020          | *** P17 *** | J 118      | ↑                  | *** P17 *** | J 131      | ↑                  | *** P21 *** | L 162      |
| M90511050          | *** P11 *** | F 116      | M91053020          | *** P3 ***  | B 124      | M91503001          | *** P9 ***  | E 111      | M95003021          | *** P19 *** | K 141      |
| ↑                  | *** P15 *** | H 103      | ↑                  | *** P7 ***  | D 120      | M91506001          | *** P21 *** | L 136      | M95003096          | *** P27 *** | P 117      |
| ↑                  | *** P17 *** | J 116      | ↑                  | *** P21 *** | L 113      | M91515022          | *** P21 *** | L 147      | M95004017          | *** P11 *** | F 115      |
| ↑                  | *** P19 *** | K 160      | M91054004          | *** P3 ***  | B 103      | M91520002          | *** P7 ***  | D 112      | ↑                  | *** P17 *** | J 115      |
| M90511056          | *** P17 *** | J 141      | ↑                  | *** P5 ***  | C 123      | M91551015          | *** P21 *** | L 125      | M95004020          | *** P3 ***  | B 128      |
| M90511065          | *** P11 *** | F 110      | ↑                  | *** P19 *** | K 118      | M91572045          | *** P21 *** | L 122      | M95004021          | *** P9 ***  | E 107      |
| M90513065          | *** P19 *** | K 136      | ↑                  | *** P21 *** | L 104      | M91576045          | *** P19 *** | K 145      | ↑                  | *** P19 *** | K 151      |
| ↑                  | *** P31 *** | R 107      | ↑                  | *** P23 *** | M 102      | ↑                  | *** P31 *** | R 126      | M95005017          | *** P19 *** | K 111      |
| M90518060          | *** P15 *** | H 128      | ↑                  | *** P25 *** | N 105      | M91602001          | *** P7 ***  | D 118      | M95008021          | *** P15 *** | H 101      |
| M90543060          | *** P15 *** | H 121      | ↑                  | *** P27 *** | P 101      | M91602046          | *** P5 ***  | C 111      | M95009021          | *** P15 *** | H 114      |
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| M90618060          | *** P15 *** | H 127      | ↑                  | *** P21 *** | L 152      | M91606001          | *** P7 ***  | D 133      | M95036021          | *** P11 *** | F 120      |
| M90619060          | *** P15 *** | H 124      | ↑                  | *** P33 *** | S 105      | ↑                  | *** P21 *** | L 129      | M95048021          | *** P11 *** | F 122      |
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| M90624053          | *** P31 *** | R 125      | M91057020          | *** P5 ***  | C 121      | M91652020          | *** P19 *** | K 146      | M96001070          | *** P15 *** | H 132      |
| M90630050          | *** P31 *** | R 124      | ↑                  | *** P23 *** | M 115      | M91688015          | *** P21 *** | L 109      | M96002017          | *** P31 *** | R 123      |
| M90631050          | *** P21 *** | L 123      | M91058004          | *** P23 *** | M 101      | M91689015          | *** P21 *** | L 107      | M96004052          | *** P19 *** | K 129      |
| M90632050          | *** P21 *** | L 133      | ↑                  | *** P27 *** | P 106      | M91801035          | *** P21 *** | L 101      | M96020021          | *** P31 *** | R 122      |
| M90632050          | *** P33 *** | S 102      | M91060021          | *** P13 *** | G 114      | M91802006          | *** P7 ***  | D 132      | M96033021          | *** P15 *** | H 139      |
| M90802002          | *** P19 *** | K 102      | ↑                  | *** P15 *** | H 134      | M91802045          | *** P9 ***  | E 105      | M97318099          | *** P33 *** | S 121      |
| M90802003          | *** P9 ***  | E 129      | M91069004          | *** P7 ***  | D 103      | ↑                  | *** P21 *** | L 102      | M97319099          | *** P33 *** | S 119      |
| M90802003          | *** P23 *** | M 111      | M91083004          | *** P13 *** | G 131      | M91910080          | *** P3 ***  | B 107      | M97320099          | *** P33 *** | S 120      |
| M90806002          | *** P3 ***  | B 117      | M91101046          | *** P5 ***  | C 139      | M92057022          | *** P3 ***  | B 112      | M97355099          | *** P33 *** | S 901      |

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| M98003015          | *** P9 ***  | E 108      | MB60A1620          | *** P33 *** | S 117      | ME10A0700          | *** P17 *** | J 110      | ME10E0452          | *** P9 ***  | E 902      |
| M99002052          | *** P17 *** | J 112      | MB60A1626          | *** P21 *** | L 140      | ME10A0729          | *** P17 *** | J 126      | ME10E0484          | *** P27 *** | P 103      |
| M99006063          | *** P5 ***  | C 126      | MB60A1758          | *** P11 *** | F 117      | ME10A0738          | *** P21 *** | L 148      | ME10E0519          | *** P15 *** | H 115      |
| ↑                  | *** P21 *** | L 114      | MB60A1780          | *** P25 *** | N 128      | ME10A0742          | *** P3 ***  | B 105      | ME10E0600          | *** P5 ***  | C 117      |
| MA04A0477          | *** P13 *** | G 118      | MB60A1957          | *** P13 *** | G 130      | ME10A0743          | *** P15 *** | H 118      | ME10E0602          | *** P35 *** | T 901      |
| MA04A1530          | *** P5 ***  | C 120      | MB60A1990          | *** P31 *** | R 106      | ME10A0758          | *** P11 *** | F 126      | ME10E0691          | *** P31 *** | R 902      |
| MA04A2530          | *** P5 ***  | C 122      | MB60A2352          | *** P27 *** | P 116      | ME10A0763          | *** P21 *** | L 111      | ME10E0746          | *** P19 *** | K 117      |
| MA10A0120          | *** P9 ***  | E 121      | MB60A2406          | *** P7 ***  | D 101      | ME10A0778          | *** P11 *** | F 131      | ME10E0776          | *** P33 *** | S 104      |
| MA10A0123          | *** P9 ***  | E 119      | MB60A2601          | *** P13 *** | G 106      | ME10A0797          | *** P19 *** | K 121      | ME10E0830          | *** P3 ***  | B 116      |
| ↑                  | *** P31 *** | R 102      | MB60A2620          | *** P33 *** | S 116      | ↑                  | *** P33 *** | S 109      | ME10E0849          | *** P3 ***  | B 108      |
| MA10A0454          | *** P15 *** | H 107      | MB60A2682          | *** P11 *** | F 103      | ME10A0802          | *** P15 *** | H 137      | ME10E0975          | *** P19 *** | K 139      |
| MA10A0455          | *** P17 *** | J 117      | MB60A3682          | *** P11 *** | F 112      | ME10A0810          | *** P21 *** | L 153      | ME10E1484          | *** P27 *** | P 109      |
| MA10A0601          | *** P19 *** | K 115      | MB60A3957          | *** P29 *** | Q 102      | ME10A0833          | *** P21 *** | L 149      | ME10E1519          | *** P21 *** | L 159      |
| MA10A0729          | *** P15 *** | H 106      | MB60A5339          | *** P27 *** | P 113      | ME10A0850          | *** P11 *** | F 125      | ME10E1688          | *** P25 *** | N 110      |
| MA10A0950          | *** P15 *** | H 105      | MB60A5601          | *** P27 *** | P 119      | ME10A0910          | *** P17 *** | J 102      | ME10E1776          | *** P33 *** | S 103      |
| MA10A1613          | *** P31 *** | R 116      | MB60A5780          | *** P27 *** | P 120      | ME10A0950          | *** P21 *** | L 150      | ME10E2519          | *** P19 *** | K 144      |
| MA10A1950          | *** P15 *** | H 109      | MB60A6780          | *** P27 *** | P 121      | ME10A0956          | *** P21 *** | L 124      | ME10E2688          | *** P25 *** | N 111      |
| MA10B2476          | *** P19 *** | K 125      | MB60E0131          | *** P33 *** | S 106      | ME10A0957          | *** P13 *** | G 115      | ME10E3519          | *** P19 *** | K 114      |
| MA16E0210          | *** P5 ***  | C 901      | MB60E0150          | *** P29 *** | Q 901      | ME10A0972          | *** P13 *** | G 116      | ME10E3601          | *** P23 *** | M 104      |
| MA20A0194          | *** P5 ***  | C 127      | MB60E0190          | *** P5 ***  | C 903      | ME10A0990          | *** P31 *** | R 901      | ME10E3688          | *** P25 *** | N 118      |
| MA20A0392          | *** P19 *** | K 134      | MB60E0234          | *** P7 ***  | D 904      | ME10A1252          | *** P21 *** | L 144      | ME10E4519          | *** P23 *** | M 106      |
| MA20A0476          | *** P5 ***  | C 118      | MB60E0682          | *** P7 ***  | D 113      | ME10A1266          | *** P17 *** | J 113      | ME10E4688          | *** P25 *** | N 119      |
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〒100-8310 東京都千代田区丸の内 2-2-3(三菱電機ビル)

お問い合わせは下記へどうぞ

F A システム事業本部 機器計画部 駆動機器グループ 〒104-6212 東京都中央区晴海 1-8-12 オフィスタワー Z 14 階  
代表電話番号 (03)6221-6160 代表 F A X 番号 (03)6221-6168



FACTORY AUTOMATION SYSTEM

OFFICE TOWER "Z" 14F 8-12 1chome, Harumi CHUO-KU, TOKYO 104-6212, JAPAN

Phone : +81-3-6221-6060

Fax : +81-3-6221-6076