

# **PARTS LIST**

## **TMFD (TYPE D2)**

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Part Nos. of screws, nuts, washers etc. are listed at the end of volume.

## 【 Explanation of Marks #'s and \*'s at End of Part No. 】

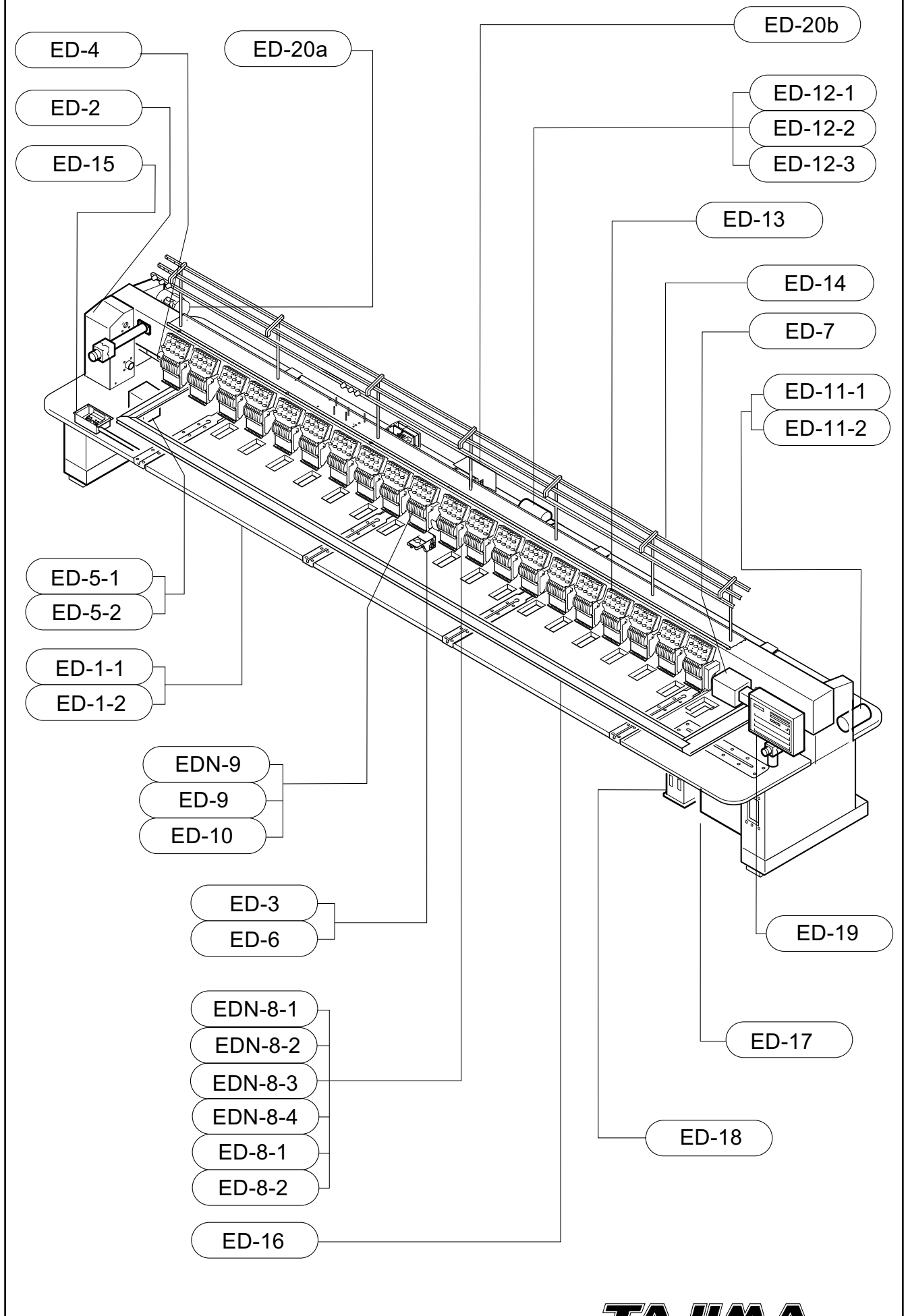
◆ Please specify, in the following manner, your machine model, manufacturing number and embroidery space when you order us with the parts having \*\*\*\* at the end of the part No.:

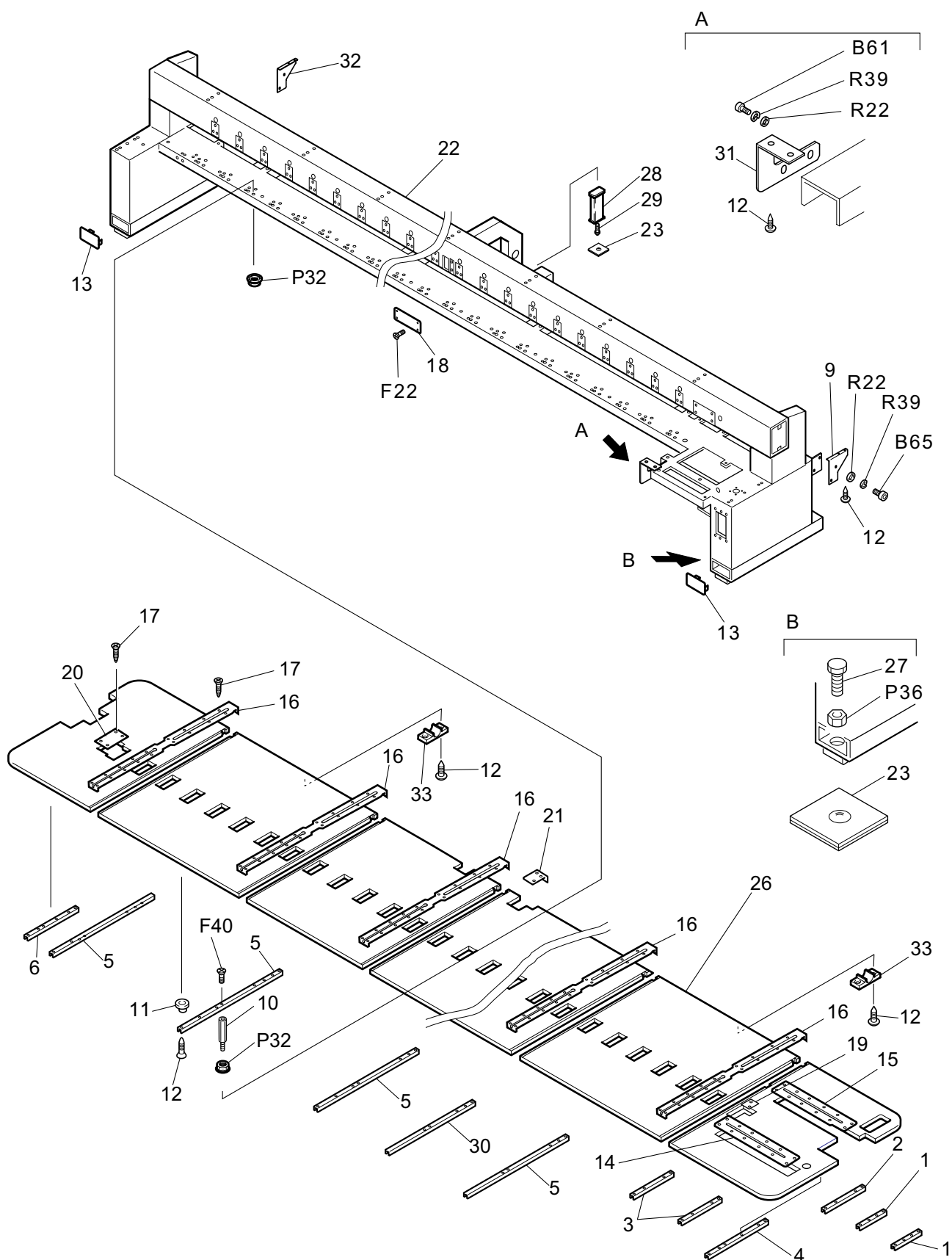
|              |          |              |            |
|--------------|----------|--------------|------------|
| <b>Ex. :</b> | TMFD-612 | (450×275)S   | No.01234   |
|              | [Model]  | [Emb. Space] | [Mfg. No.] |

◆ Please specify the number of needles on your machine's head in your parts order by changing the marks #### into one of the 4-digit numbers below:

|              |                                               |
|--------------|-----------------------------------------------|
| <b>Ex. :</b> | The part Number, EF012345####                 |
|              | 4-digit Numbers                  Machine Type |
|              | 0300... .. 3-needle machine                   |
|              | 0600... .. 6-needle machine                   |
|              | 0900... .. 9-needle machine                   |
|              | 1200... .. 12-needle machine                  |

( BH05 )





# TMFD FRAME TABLE 1

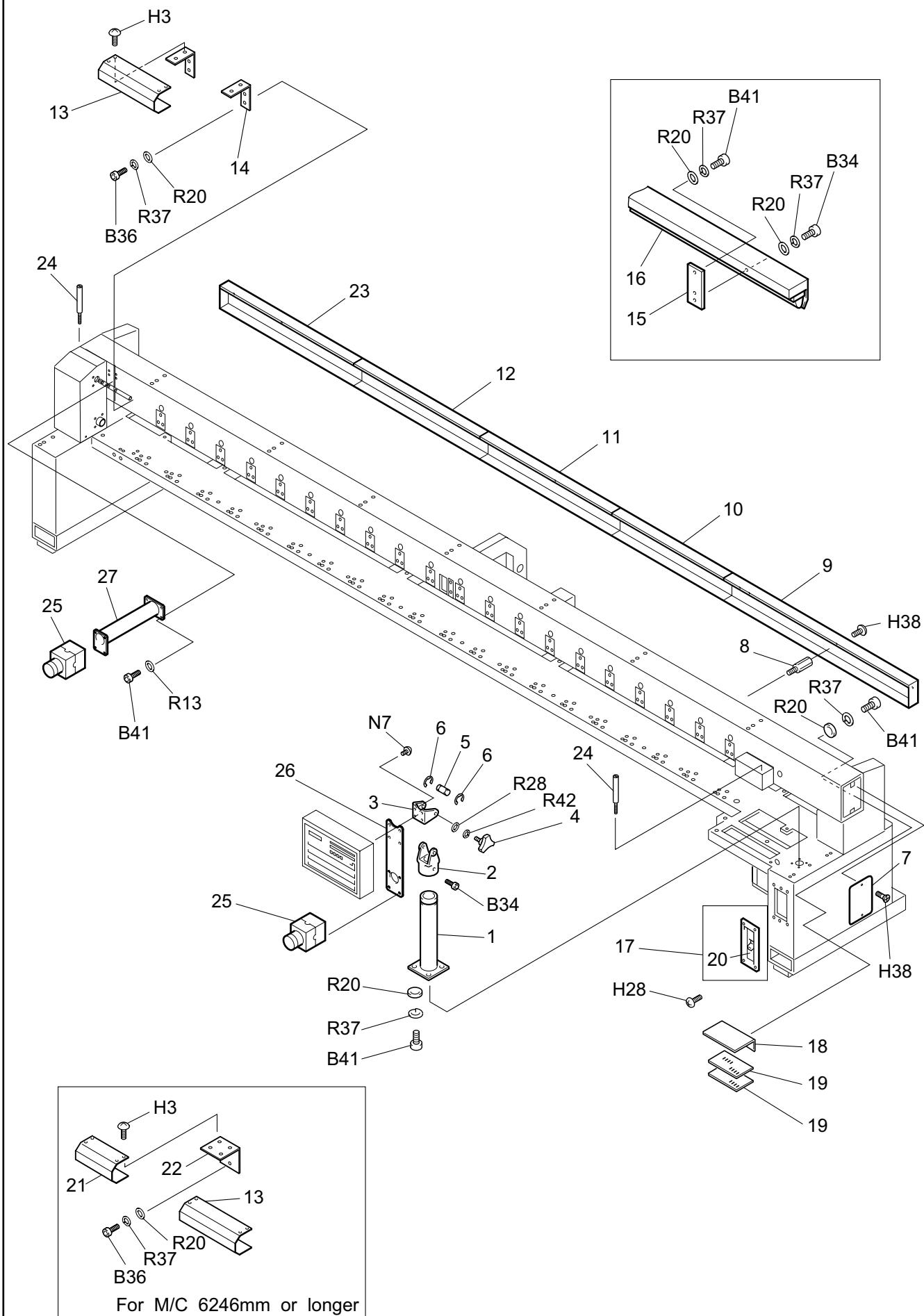
ED-1-1

| Ref.No. | Description                 | Part No.     | Remark                     |
|---------|-----------------------------|--------------|----------------------------|
| 1       | No.4 Table Support          | ED1004000000 |                            |
| 2       | No.3 Table Support          | ED1003000000 |                            |
| 3       | No.44 Table Support         | ED1044000000 |                            |
| 4       | No.8 Table Support          | ED1008000000 |                            |
| 5       | No.1 Table Support          | ED1001000000 |                            |
| 6       | No.9 Table Support          | ED1009000000 |                            |
| 9       | No.209 Table Support R      | ED1043R00000 |                            |
| 10      | Table Support Stud          | EF1001010000 |                            |
| 11      | Table Support Spacer        | MX1099000000 |                            |
| 12      | Wood Screw                  |              | 5.1P*25                    |
| 13      | Stand Cover, Lower          | CT0819000000 |                            |
| 14      | No.2 Table Lid A            | ED0806A0**** |                            |
| 15      | No.2 Table Lid B            | ED0806B0**** |                            |
| 16      | No.1 Table Lid              | MX080602**** |                            |
| 17      | Countersunk Head Wood Screw |              | 3.1P*12,16                 |
| 18      | TAJIMA Brand Name Plate     | CT0825000000 |                            |
| 19      | Encoder Table Lid           | ED0814000000 |                            |
| 20      | Chain Cover                 | EF0806010000 |                            |
| 21      | Joint Cover                 | ED0815000000 |                            |
| 22      | Stand                       | ED080202**** |                            |
| 22      | Stand                       | EDG80202**** | G-Spec. M/C and longer M/C |
| 23      | Vibration-preventive Base   | EF0810010000 |                            |
| 26      | Table                       | ED080302**** |                            |
| 26      | Table                       | EDG80302**** | G-Spec. M/C and longer M/C |
| 27      | Adjusting Bolt              | EF0809000000 |                            |
| 28      | Center Support A            | ED0834000000 | 8.5m M/C Stand Front Side  |
| 28      | Center Support B            | ED0835000000 | 8.5m M/C Stand Rear Side   |
| 29      | Support Adjusting Bolt      | ED0833000000 |                            |
| 30      | No.2 Table Support          | ED1002000000 |                            |
| 31      | No.20 Table Support         | ED1020000000 |                            |
| 32      | No.209 Table Support L      | ED1043L00000 |                            |
| 33      | Driver Shaft Stopper        | ED0704000000 | For 15mm dia.shaft         |
| 33      | Driver Shaft Stopper        | ED0705000000 | For 20mm dia. shaft        |
| 34      |                             |              |                            |
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Note: As for parts with marks # or \*, please follow our instructions on Table of Contents in your parts order.

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# TMFD FRAME TABLE 2

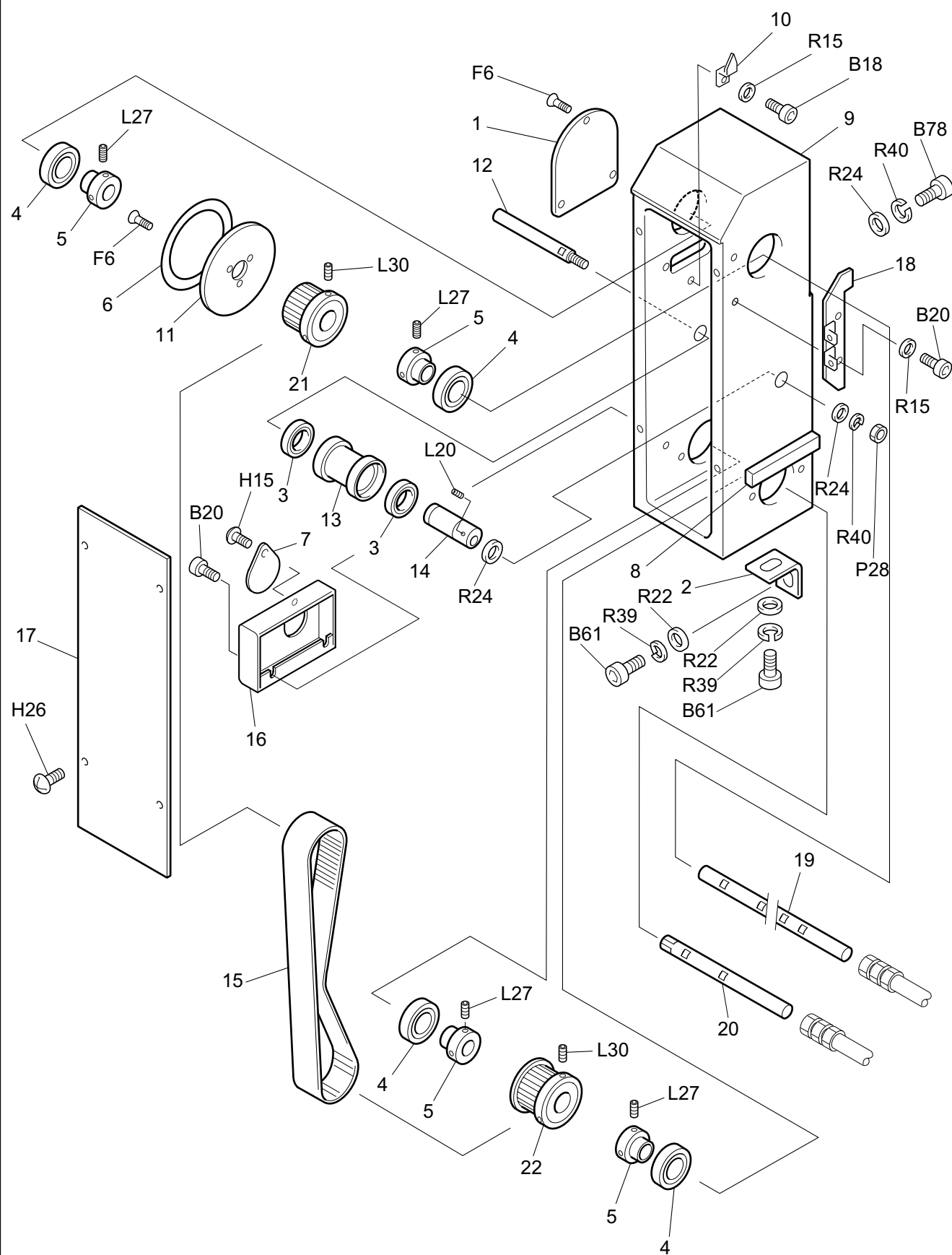
ED-1-2

| Ref.No. | Description                              | Part No.      | Remark                       |
|---------|------------------------------------------|---------------|------------------------------|
| 1       | Operation Panel Stand Pipe               | CT08330A0000  |                              |
| 2       | Operation Panel Bracket                  | EG01030B0000  |                              |
| 3       | Operation Panel Attaching Arm            | EG01040A0000  |                              |
| 4       | Knobbed Bolt                             | BPM10L200000  | M10*20                       |
| 5       | Operation Panel Hinge Pin                | EG0105010000  |                              |
| 6       | E-ring                                   | BPE9000000000 |                              |
| 7       | Square Pipe Cover                        | ED0820000000  |                              |
| 7       | Square Pipe Cover                        | EDG820000000  | G-Spec.M/C only              |
| 7       | Square Pipe Cover                        | CT0103010000  | For M/C 6246mm or longer     |
| 8       | Wiring Cover Stud                        | EG0808000000  |                              |
| 9       | No.1 Wiring Cover                        | ED0812A0****  |                              |
| 10      | No.2 Wiring Cover                        | ED0812B0****  |                              |
| 11      | No.3 Wiring Cover                        | ED0812C0****  | G-Spec.M/C only              |
| 12      | No.4 Wiring Cover                        | ED0812D0****  | G-Spec.M/C only              |
| 13      | Connecting Shaft Cover                   | ED081900****  |                              |
| 14      | Cover Bracket B                          | ED0154000000  |                              |
| 15      | Fluorescent Lamp Bracket                 | EG0817000000  |                              |
| 16      | Fluorescent Lamp                         | EG7401E00000  | 1-lamp type                  |
| 16      | Fluorescent Lamp                         | EG7401D00000  | 2-lamp type                  |
| 16      | Fluorescent Lamp                         | EG7401F10000  | 3-lamp type                  |
| 16      | Fluorescent Lamp                         | EG7401H10000  | 4-lamp type                  |
| 16      | Fluorescent Lamp                         | EG7401K00000  | 5-lamp type                  |
| 17      | No Fuse Breaker Assembly                 | EN5802000000  |                              |
| 18      | TC Joint 4 Card Fixture                  | ED7202010000  |                              |
| 19      | TC Joint 4 Card                          | ED7201000000  | 2pcs.for25 or more head M/C  |
| 20      | No Fuse Breaker                          | PB002100KA00  |                              |
| 21      | Connecting Shaft Cover A                 | EDG83100****  | For M/C 6246mm or longer     |
| 22      | Cover Bracket C                          | EDG158000000  | For M/C 6246mm or longer     |
| 23      | No.5 Wiring Cover                        | ED0812E0****  |                              |
| 24      | Bobbin Stand Stud                        | EF0122000000  |                              |
| 25      | Emergency Stop Switch Box                | EN5804000000  |                              |
| 26      | Right Side Emergency Stop Switch Bracket | ED0843000000  |                              |
| 27      | Left Side Emergency Stop Switch Bracket  | ED0842A10000  | Y emb. space-less than 680mm |
| 27      | Left Side Emergency Stop Switch Bracket  | ED0842B10000  | Y emb. space-680mm or more   |
| 28      |                                          |               |                              |
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# TMFD ROTARY HOOK SHAFT TRANSMISSION BOX

ED-2

| Ref.No. | Description                        | Part No.     | Remark                         |
|---------|------------------------------------|--------------|--------------------------------|
| 1       | Clear Plate                        | ED0141000000 |                                |
| 2       | Box Stay                           | ED0114000000 |                                |
| 3       | Ball Bearing                       | BP6804ZZ0000 |                                |
| 4       | Ball Bearing                       | BP6004ZZ0000 |                                |
| 5       | 15mm Dia. Bearing Case Collar      | EG0111000000 |                                |
| 6       | Angle Indicator Plate              | ED0170000000 |                                |
| 7       | Handle Lid                         | ED0130000000 |                                |
| 8       | Sponge Seal                        | ED0149000000 |                                |
| 9       | Rotary Hook Shaft Transmission Box | ED0148030000 |                                |
| 9       | Rotary Hook Shaft Transmission Box | EDC148030000 | For Jumbo Rotary Hook          |
| 10      | Angle Pointer                      | ED0132010000 |                                |
| 11      | Angle Pointer Plate                | ED0133010000 |                                |
| 12      | Tension Shaft                      | ED0137010000 |                                |
| 13      | Idler                              | ED0134010000 |                                |
| 14      | Eccentric Pin                      | ED0138010000 |                                |
| 15      | Timing Belt                        | BPS5M250575G |                                |
| 16      | Handle Cover                       | ED0142030000 |                                |
| 17      | Transmission Box Cover             | ED0143010000 |                                |
| 18      | Cover Bracket A                    | ED0153010000 | For M/C not longer than 6246mm |
| 19      | Transmission Main Shaft A          | ED0144010000 | For M/C 6246mm or longer       |
| 19      | Transmission Main Shaft B          | ED0145010000 |                                |
| 20      | Transmission Rotary Hook Shaft     | ED0139010000 |                                |
| 21      | Rotary Hook Shaft Drive Pulley A   | ED0135020000 |                                |
| 22      | Rotary Hook Shaft Drive Pulley B   | ED0136020000 |                                |
| 23      |                                    |              |                                |
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# TMFD ROTARY HOOK BASE

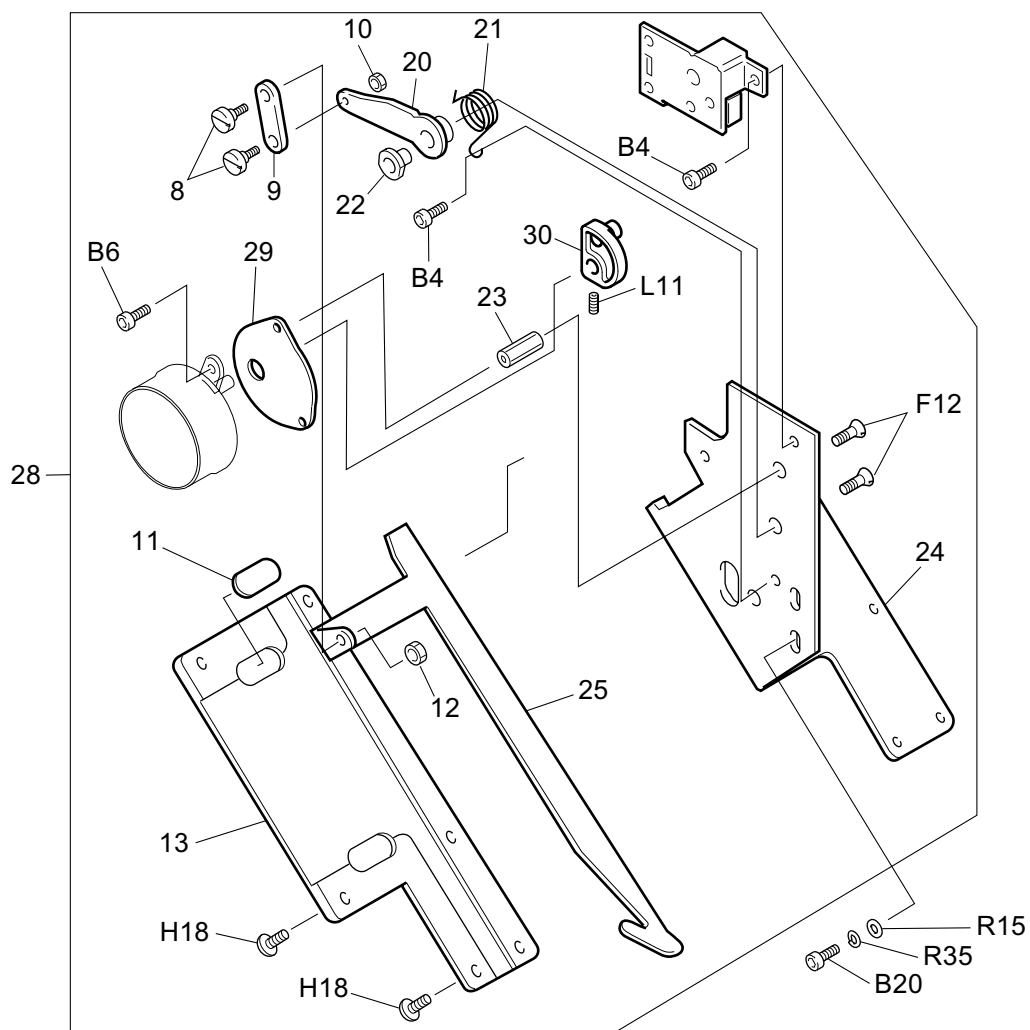
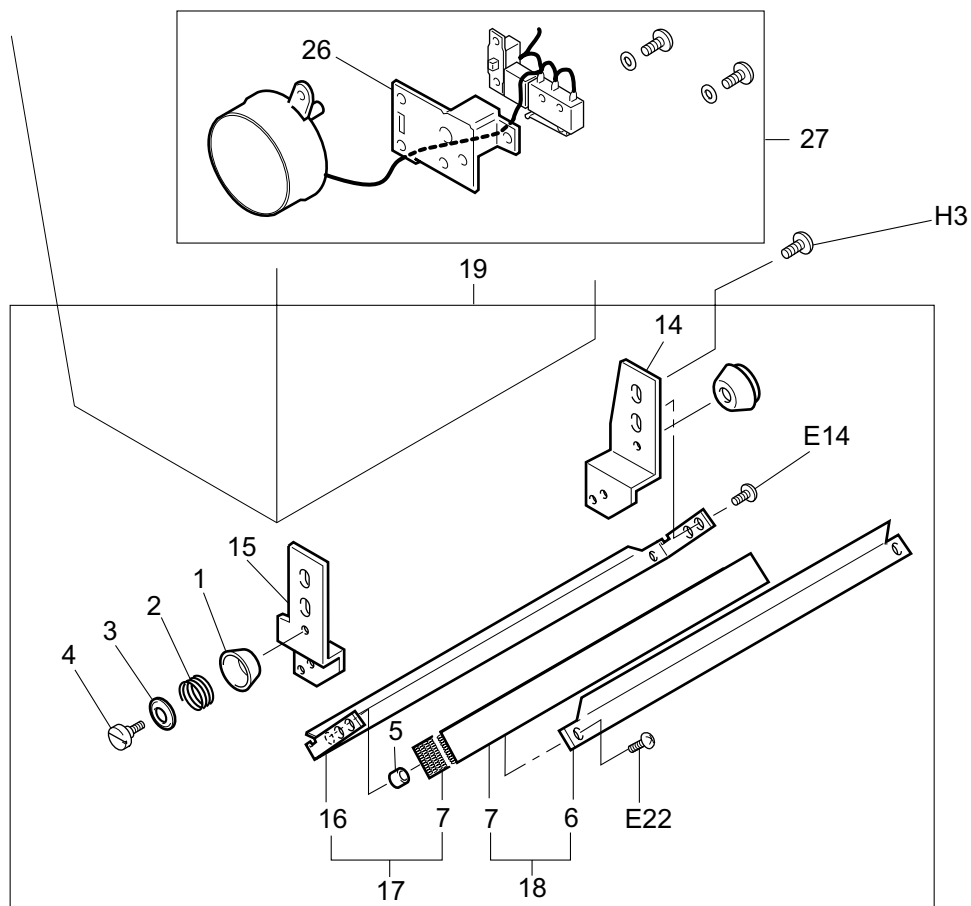
ED-3

| Ref.No. | Description                     | Part No.     | Remark                        |
|---------|---------------------------------|--------------|-------------------------------|
| 1       | Round Countersunk Head Screw    | EG0228000000 |                               |
| 2       | Spiral Bevel Gear A             | EF0203B00000 |                               |
| 3       | Rotary Hook Shaft               | EF0205010000 |                               |
| 4       | Rotary Hook Shaft Bushing       | EF0206000000 |                               |
| 4       | Rotary Hook Shaft Bushing       | EFC206010000 | For Jumbo Rotary Hook         |
| 5       | Rotary Hook Base Stud           | FX0225000000 |                               |
| 6       | 7.94mm Dia. Collar              | EF0209000000 |                               |
| 7       | Rotary Hook                     | ME0505E2**** |                               |
| 7       | Rotary Hook                     | MEC505E2**** | For Jumbo Rotary Hook         |
| 8       | Rotary Hook Set Screw           | ME0506000000 |                               |
| 9       | Rotary Hook Support             | EF021000**** |                               |
| 9       | Rotary Hook Support             | EFC210000000 | For Jumbo Rotary Hook         |
| 10      | Bobbin                          | ME050402**** |                               |
| 11      | Bobbin Case                     | ME050300**** |                               |
| 12      | Needle Plate Hole Collar        | EF0202200000 |                               |
| 13      | Needle Plate Hole Seal          | EF0202300000 |                               |
| 14      | M6 Joint                        | EF0827010000 |                               |
| 15      | Hexagon Socket Head Cap Screw   | EG0219000000 |                               |
| 16      | Ball Bearing                    | BP6003ZZ0000 |                               |
| 17      | 15mm Dia. Bearing Collar        | EG0227000000 |                               |
| 18      | Spiral Bevel Gear B             | EF0204040000 |                               |
| 19      | Rotary Hook Spacer              | EF0211000000 |                               |
| 20      | Rotary Hook Base A              | FX0201AC0000 | Encoder is not attachable.    |
| 20      | Rotary Hook Base B              | FX0201BC0000 | Encoder is attachable.        |
| 20      | Rotary Hook Base A              | FXC201AC0000 | Encoder,not attachable/J.Hook |
| 20      | Rotary Hook Base B              | FXC201BC0000 | Encoder is attachable./J.Hook |
| 21      | Connecting Shaft Holder         | FX0208000000 |                               |
| 22      | Needle Plate                    | EG020210**** |                               |
| 23      | Top Lid                         | EG0221010000 |                               |
| 24      | Sensor Bracket A                | FX0218000000 |                               |
| 25      | Searching Block                 | FX0217000000 |                               |
| 26      | Proximity Switch                | EG6601000000 |                               |
| 27      | Proximity Switch Lock           | PB000500KN01 |                               |
| 28      | Knife Retracting Sensor Harness | ED760400**** |                               |
| 29      | Thread Trimming Shaft A         | MX0813A0**** |                               |
| 30      | Thread Trimming Shaft B         | MX0813B0**** |                               |
| 31      | Thread Trimming Shaft C         | MX0813C0**** | G-Spec.M/C only               |
| 32      | Rotary Hook Shaft Drive Shaft A | ED0811A0**** |                               |
| 32      | Rotary Hook Shaft Drive Shaft A | EDG811A0**** | For M/C 6246mm or longer      |
| 33      | Rotary Hook Shaft Drive Shaft B | ED0811B0**** |                               |
| 34      | Rotary Hook Shaft Drive Shaft C | ED0811C0**** | G-Spec.M/C only               |
| 35      | N-Coupling                      | BPN150150000 |                               |
| 36      | Rotary Encoder                  | EF6600A00000 |                               |
| 37      | Rotary Hook Shaft Drive Shaft D | ED0811D1**** |                               |
| 38      | Thread Trimming Shaft D         | MX0813D0**** |                               |
| 39      | Needle Plate                    | FX0202A0**** | Noise Reduction Type          |
| 40      |                                 |              |                               |
| 41      |                                 |              |                               |
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# TMFD UPPER THREAD HOLDER SET

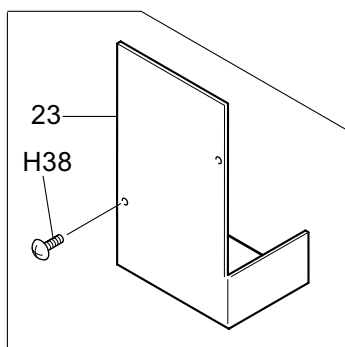
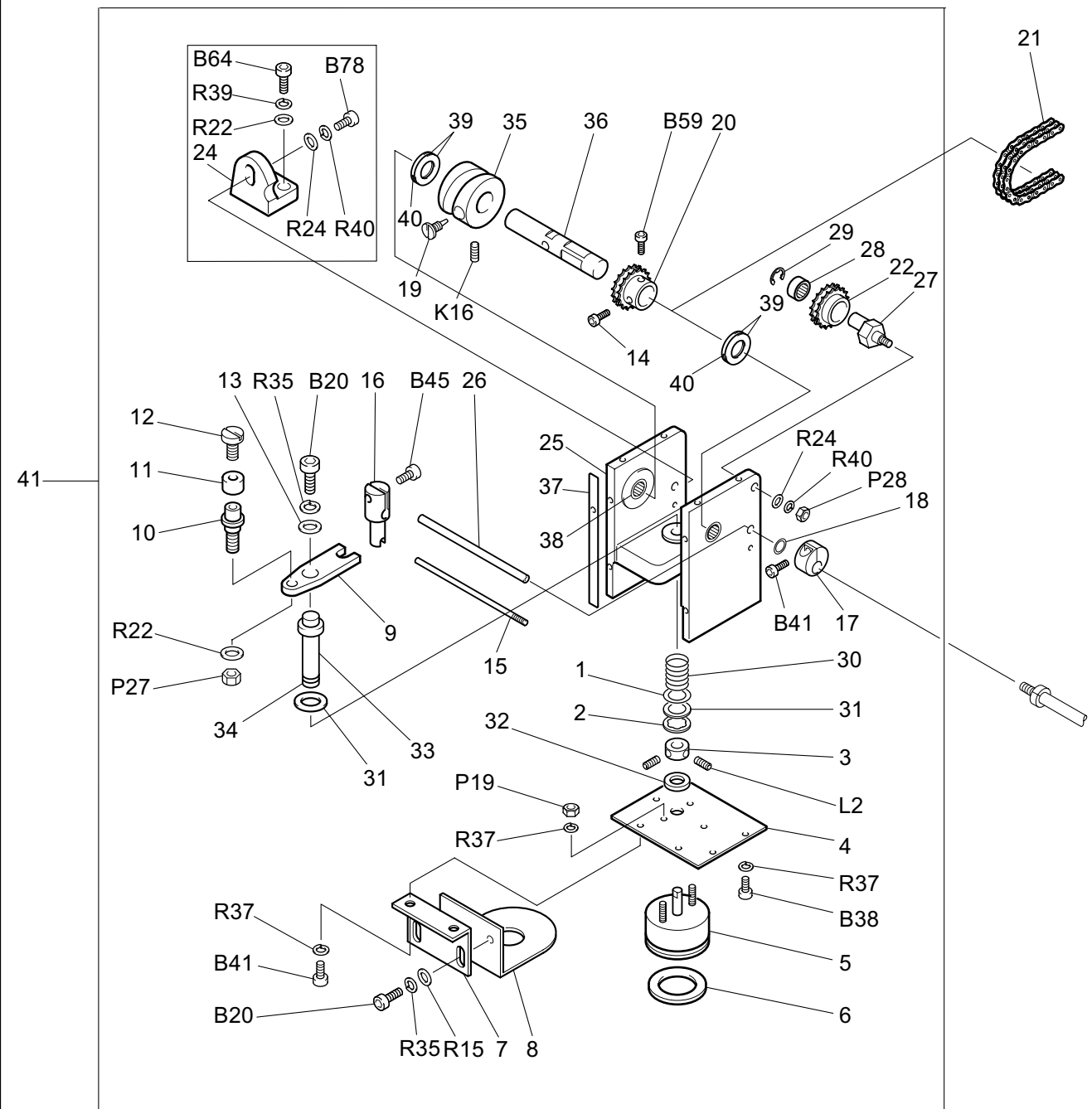
ED-4

| Ref.No. | Description                              | Part No.     | Remark |
|---------|------------------------------------------|--------------|--------|
| 1       | Thread Suspender Disk                    | EF0637000000 |        |
| 2       | Thread Suspender Spring                  | EF0639000000 |        |
| 3       | Thread Suspender Spring Presser          | EF0638000000 |        |
| 4       | Thread Suspender Attaching Screw         | AT2311000000 |        |
| 5       | Thread Presser Spacer                    | AT0304000000 |        |
| 6       | Thread Presser Lid                       | AT030300#### |        |
| 7       | Velcro                                   | AT030500#### |        |
| 8       | Lever Connecting Pin                     | AT0309000000 |        |
| 9       | Arm Connecting Rod                       | AT0306000000 |        |
| 10      | Special Nut                              | AT0307100000 |        |
| 11      | Hook Cushion C                           | AT1307010000 |        |
| 12      | Special Nut                              | AT0307200000 |        |
| 13      | Base Lid A                               | AT1302020000 |        |
| 14      | Upper Thread Holder Bracket R            | FX0629R00000 |        |
| 15      | Upper Thread Holder Bracket L            | FX0629L00000 |        |
| 16      | Thread Presser Base                      | FX063010#### |        |
| 17      | Thread Presser Base(with attaching tape) | UN680170**** |        |
| 18      | Thread Presser Lid (with attaching tape) | UN680180**** |        |
| 19      | Thread Presser Base Set                  | UN680031**** |        |
| 20      | Drive Arm                                | AT0310010000 |        |
| 21      | Lever Return Spring                      | AT0311010000 |        |
| 22      | Shaft Holder Bushing                     | AT0315000000 |        |
| 23      | Motor Stud                               | AT0313010000 |        |
| 24      | Assembly Base                            | AT0318000000 |        |
| 25      | Upper Thread Hook                        | AT0314000000 |        |
| 26      | Switch Base                              | AT0317010000 |        |
| 27      | Motor-driven Upper Thread Hook Assy. A   | AT9101010000 |        |
| 28      | Assembly Base Set                        | UN680054**** |        |
| 29      | Motor Base                               | AT0321000000 |        |
| 30      | Motor Lever                              | CD0E08010000 |        |
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# **TMFD CAM DRIVE SYSTEM SET 1**

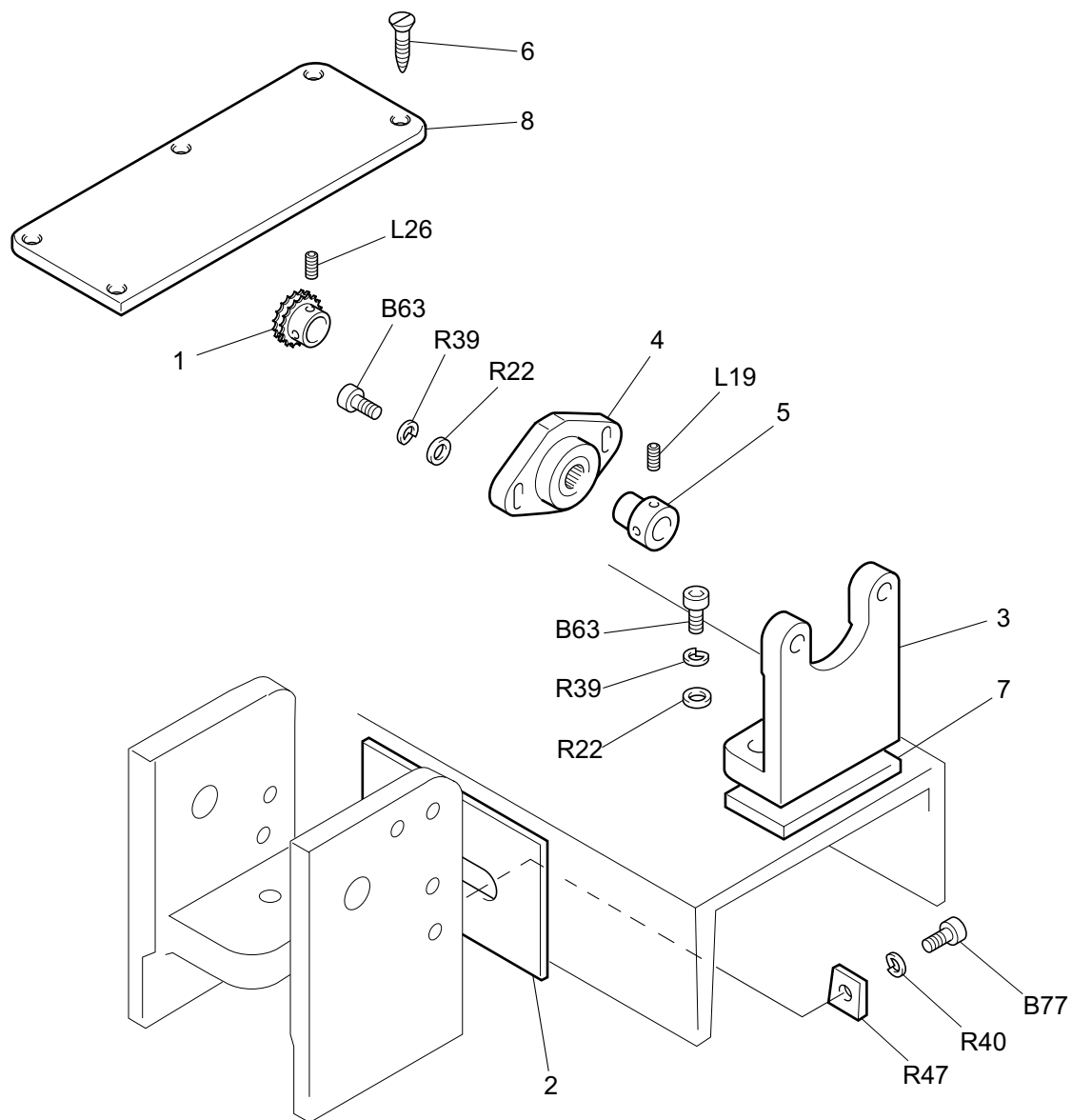
**ED-5-1**

| Ref.No. | Description                | Part No.     | Remark                |
|---------|----------------------------|--------------|-----------------------|
| 1       | Washer B                   | AT0122000000 |                       |
| 2       | E-ring                     | BPE120000000 |                       |
| 3       | 7.94mm Dia. Collar         | EF0209000000 |                       |
| 4       | Solenoid Base              | AT11050A0000 |                       |
| 5       | Thread Trimming Solenoid   | AT6802B00000 |                       |
| 6       | Solenoid Cushion           | AT0119000000 |                       |
| 7       | Plunger Bracket            | AT0120000000 |                       |
| 8       | Plunger Holder             | AT0121000000 |                       |
| 9       | Cam Lever                  | AT0105000000 |                       |
| 10      | Cam Pin                    | AT0110000000 |                       |
| 11      | Cam Roller                 | AT0111000000 |                       |
| 12      | Lid Screw                  | AT0112000000 |                       |
| 13      | Lever Fixing Washer        | AT0109000000 |                       |
| 14      | Sprocket Fixing Screw      | AT0124000000 |                       |
| 15      | Guide Pin                  | AT0114000000 |                       |
| 16      | Lever Drive Pin            | AT0113000000 |                       |
| 17      | Cushion Connecting Stud    | AC0405000000 |                       |
| 18      | O-Ring                     | BPS100000000 |                       |
| 19      | Cam Attaching Screw        | AT0123000000 |                       |
| 20      | 15mm Dia. Sprocket         | AT0104000000 |                       |
| 21      | Roller Chain               | AT1108000000 |                       |
| 22      | Tension Sprocket           | AT0117000000 |                       |
| 23      | Cam Base Cover             | AT11030A0000 |                       |
| 24      | Cam Base Bracket           | AT11010A0000 |                       |
| 25      | Cam Attaching Base         | AT01010A0000 |                       |
| 26      | Thread Trimming Base Shaft | AT0115010000 |                       |
| 27      | Tension Eccentric Pin      | IS0111000000 |                       |
| 28      | Needle Bearing             | BPHMK1015000 |                       |
| 29      | E-ring                     | BPE800000000 |                       |
| 30      | Cam Roller Return Spring   | AT0108010000 |                       |
| 31      | Cushion Washer C           | FX0214000000 |                       |
| 32      | Cushion Washer D           | FX0215000000 |                       |
| 33      | Lever Support Pin          | AT0106010000 |                       |
| 34      | Support Pin Cushion        | AT0106100000 |                       |
| 35      | Cam                        | FX0211000000 |                       |
| 36      | Cam Shaft                  | FX0212000000 |                       |
| 37      | Silencer Packing Rubber    | FX0213000000 |                       |
| 38      | Needle Bearing             | BPHMK1515000 |                       |
| 39      | Thrust Washer              | BPSW1528AS00 |                       |
| 40      | Thrust Bearing             | BPSB15280000 |                       |
| 41      | Cam Attaching Base Set     | UN680021G000 | For Reversed Type ATH |
| 42      |                            |              |                       |
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Note: As for parts with marks # or \*, please follow our instructions on Table of Contents in your parts order.

iBH05 j

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# TMFD CAM DRIVE SYSTEM SET 2

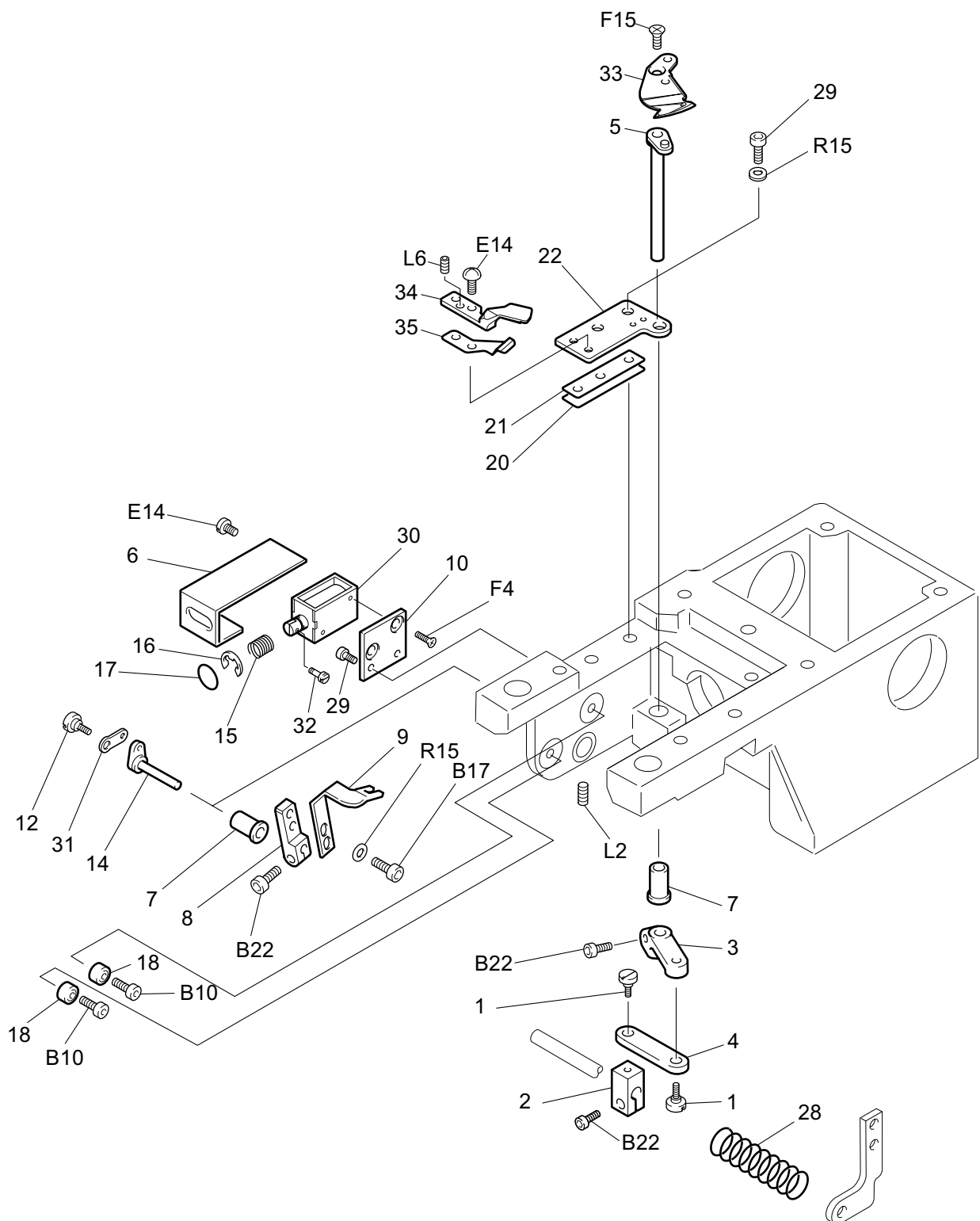
ED-5-2

| Ref.No. | Description                     | Part No.     | Remark                |
|---------|---------------------------------|--------------|-----------------------|
| 1       | 15mm Dia. Sprocket              | AT0104000000 |                       |
| 2       | Driver Cam Base Spacer          | MX083200**** |                       |
| 3       | Rotary Hook Shaft Holder        | AT11040A0000 |                       |
| 4       | Rotary Hook Base Shaft Holder   | AT1106000000 |                       |
| 5       | 15mm Dia. Needle Collar         | EF0208000000 |                       |
| 6       | Countersunk Head Wood Screw     |              | 3.1P*12               |
| 7       | Rotary Hook Shaft Holder Spacer | AT1109010000 | For Small Rotary Hook |
| 8       | Chain Cover                     | EF0806010000 |                       |
| 9       |                                 |              |                       |
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Note: As for parts with marks # or \*, please follow our instructions on Table of Contents in your parts order.

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**TMFD ATH****ED-6**

| Ref.No. | Description                   | Part No.     | Remark       |
|---------|-------------------------------|--------------|--------------|
| 1       | Connecting Lever Pin          | AT0206000000 |              |
| 2       | Connecting Stud               | AT0208000000 |              |
| 3       | Knife Drive Arm               | AT0205000000 |              |
| 4       | Knife Connecting Lever        | AT0207000000 |              |
| 5       | Knife Drive Shaft Set         | EG0205030000 |              |
| 6       | Solenoid Cover                | EG02100A0000 |              |
| 7       | Bushing                       | EG0211000000 |              |
| 8       | Picker Connecting Stud        | EG0212000000 |              |
| 9       | Wide Picker                   | EG0213000000 |              |
| 10      | Solenoid Base                 | EG0214000000 |              |
| 12      | Stepped Pin                   | EG0215000000 |              |
| 14      | Connecting Lever Pin          | EG0217000000 |              |
| 15      | Compressed Spring             | EG0218000000 |              |
| 16      | E-ring                        | BPE400000000 |              |
| 17      | Needle Bar O-Ring             | EF0621000000 |              |
| 18      | Eccentric Stopper             | EG0220000000 |              |
| 20      | Adjusting Liner               | FX0209000000 | 0.1mm Thick  |
| 21      | Adjusting Liner               | FX0210000000 | 0.05mm Thick |
| 22      | Knife Base                    | FX0203000000 |              |
| 28      | Presser Foot Spring B         | EF0614B30000 |              |
| 29      | Hexagon Socket Head Cap Screw | EG0219000000 |              |
| 30      | Solenoid                      | AT6806D10000 |              |
| 31      | Connecting Rod                | EG0251000000 |              |
| 32      | Solenoid Pin                  | EG0252000000 |              |
| 33      | Movable Knife                 | FX0227000000 |              |
| 34      | Fixed Knife                   | FX0228000000 |              |
| 35      | Under Thread Presser          | FX0229000000 |              |
| 36      |                               |              |              |
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Note: As for parts with marks # or \*, please follow our instructions on Table of Contents in your parts order.

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iBH05 j



# TMFD COLOR CHANGE SYSTEM

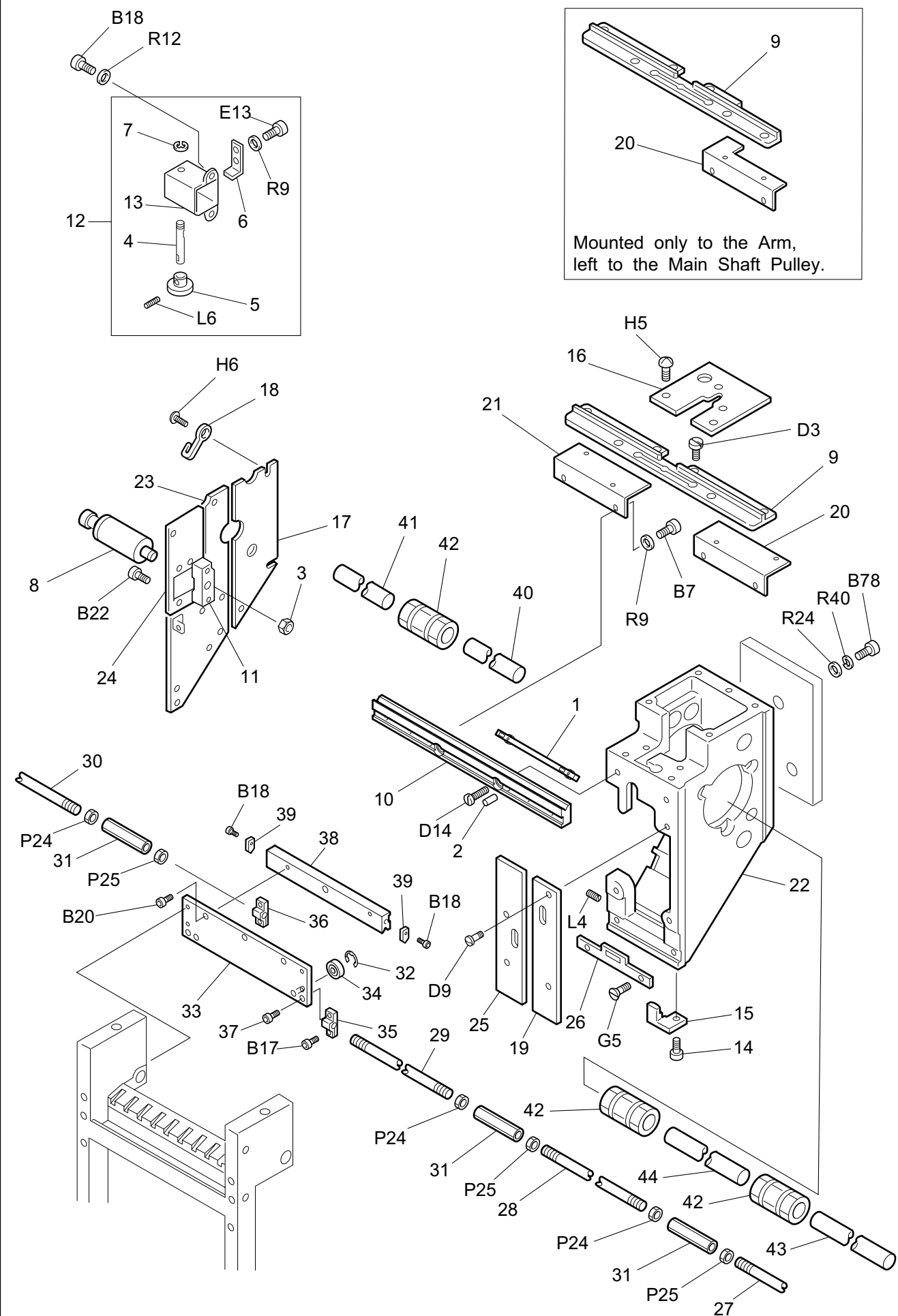
ED-7

| Ref.No. | Description                     | Part No.     | Remark     |
|---------|---------------------------------|--------------|------------|
| 1       | Cam Shaft                       | MS040200#### |            |
| 2       | Slide Shaft                     | MS040300#### |            |
| 3       | Rotary Switch Pin               | MS0407000000 |            |
| 4       | Rotary Switch Gear              | MS0408000000 |            |
| 5       | Rotary Switch Stay              | MS0409000000 |            |
| 6       | Rotary Switch                   | MS7102010000 |            |
| 7       | Middle Gear A                   | MS0410010000 |            |
| 8       | Middle Gear B                   | MS0411000000 |            |
| 9       | Change Cover Stud               | MS0414000000 |            |
| 10      | Slide Boss                      | EF0402010000 |            |
| 11      | Slide Bearing                   | BPLME1222322 |            |
| 12      | Cam Pin                         | EF0403000000 |            |
| 13      | Cam Roller                      | EF0404000000 |            |
| 14      | E-ring                          | BPE300000000 |            |
| 15      | Cam Roller Set                  | EF0404S00000 |            |
| 16      | Color Change Cam Set            | EF040501#### |            |
| 17      | Cam Shaft Bushing               | EF0407000000 |            |
| 18      | Guide Shaft                     | EF040800#### |            |
| 19      | Motor Gear                      | EF0410000000 |            |
| 20      | Half-turn Gear                  | EF0414000000 |            |
| 21      | Half-turn Gear Bushing          | EF0415000000 |            |
| 22      | 8mm Dia. Collar                 | EF0418000000 |            |
| 23      | Model Name Plate                | ED040100**** |            |
| 24      | Roller                          | EF0425000000 |            |
| 25      | Needle Position Indicating Belt | EF042600#### |            |
| 26      | Roller Base                     | EF0427000000 |            |
| 27      | Roller Pin                      | EF0428000000 |            |
| 28      | Belt Joint Plate                | EF0429000000 |            |
| 29      | Base Split Collar               | EF0430000000 |            |
| 30      | Dry Bearing                     | BPMB1010DU00 |            |
| 31      | 10mm Dia. Collar                | EF0924000000 |            |
| 32      | Color Change Motor              | EG7101003R15 |            |
| 33      | Photo-interrupter               | EG7102000000 |            |
| 34      | Change Cover                    | EG04040A0000 |            |
| 35      | Photo-interrupter Base          | EG0402000000 |            |
| 36      | One-rotation Switch Collar      | EG0401010000 |            |
| 37      | Color Change Box                | FX04010A#### |            |
| 38      | Middle Shaft                    | FX040200#### |            |
| 39      | Color Change System Assembly    | UN09002A**** |            |
| 40      | Color Change Cam Set            | EF0405011200 | 12- Needle |
| 41      | Gear Head                       | EG7101003G09 |            |
| 42      | Cam Shaft Bushing B             | FX0403000000 |            |
| 43      |                                 |              |            |
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Note: As for parts with marks # or \*, please follow our instructions on Table of Contents in your parts order.

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Mounted only to the Arm,  
left to the Main Shaft Pulley.

# TAJIMA

(BH05)

# TMFD ARM 1

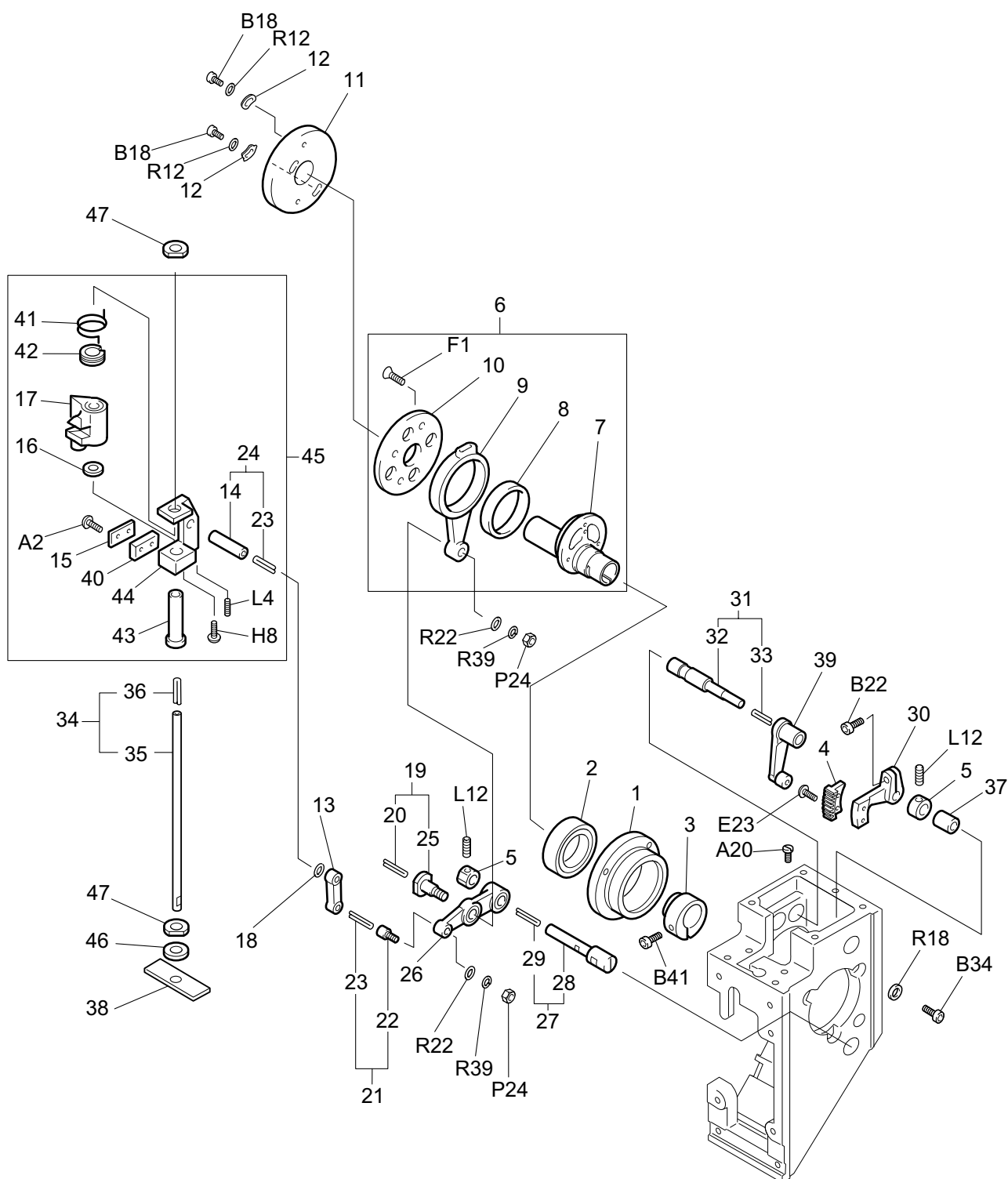
ED-8-1

| Ref.No. | Description                   | Part No.     | Remark                   |
|---------|-------------------------------|--------------|--------------------------|
| 1       | Slide Roller                  | EF055300#### |                          |
| 2       | Spring Pin                    |              | 3P*12                    |
| 3       | Hexagon Nut                   | EG0548000000 |                          |
| 4       | Clutch Pin                    | EF0540000000 |                          |
| 5       | Clutch Knurled Screw          | EF0539000000 |                          |
| 6       | Stopper Plate Spring          | ME0544000000 |                          |
| 7       | E-ring                        | BPE500000000 |                          |
| 8       | Jump Solenoid                 | EG6801020000 |                          |
| 9       | Take-up Lever Guide Rail      | EF05140A**** |                          |
| 9       | Take-up Lever Guide Rail      | FX05590A**** | 12-Needle                |
| 9       | Take-up Lever Guide Rail      | ED050100#### | For M/C 6246mm or longer |
| 10      | Arm Rail, Upper               | EF052603#### |                          |
| 10      | Arm Rail, Upper               | FX0557010000 | 12-Needle                |
| 11      | Solenoid Bracket              | EG0508020000 |                          |
| 12      | Solenoid Cover Set            | UN25006A0000 |                          |
| 13      | Solenoid Cover                | EG05100A0000 |                          |
| 14      | Hexagon Socket Head Cap Screw | EG0219000000 |                          |
| 15      | Positioning Plate             | FX0526000000 |                          |
| 16      | Arm Top Cover                 | EG05320A0000 |                          |
| 17      | Arm Side Cover B              | FX0554AA0000 |                          |
| 18      | Cord Clip                     | PB000700EB00 |                          |
| 19      | Arm Front Cover R             | FX0555RB0000 |                          |
| 20      | Take-up Lever Rail Holder R   | FX0556RB**** |                          |
| 20      | Take-up Lever Rail Holder R   | ED0502RA#### | For M/C 6246mm or longer |
| 21      | Take-up Lever Rail Holder L   | FX0556LB#### |                          |
| 22      | Arm                           | FX05010A0000 |                          |
| 23      | Arm Side Cover A              | EG05180A0000 |                          |
| 24      | Jump Base                     | EG0546010000 |                          |
| 25      | Arm Front Cover L             | FX0555LB0000 |                          |
| 26      | Arm Guide Plate               | FX0525040000 |                          |
| 27      | Slide Shaft A                 | MX0811A0**** |                          |
| 28      | Slide Shaft B                 | MX0811B0**** |                          |
| 29      | Slide Shaft C                 | MX0811C0**** |                          |
| 30      | Slide Shaft D                 | MX0811D0**** |                          |
| 31      | M6 Joint                      | EF0827010000 |                          |
| 32      | E-ring                        | BPE300000000 |                          |
| 33      | Guide Roller Base             | FX060700#### |                          |
| 34      | Ball Bearing                  | BPR1340ZZ00  |                          |
| 35      | Color Change Bracket R        | FX0609R00000 |                          |
| 36      | Color Change Bracket L        | FX0609L00000 |                          |
| 37      | Change Bracket Set Screw      | FX0611000000 |                          |
| 38      | Case Rail, Upper              | FX060602#### |                          |
| 39      | Roller Stopper                | FX0635000000 |                          |
| 40      | Needle Bar Drive Shaft C      | ED0810C0**** |                          |
| 41      | Needle Bar Drive Shaft D      | ED0810D1**** |                          |
| 42      | N-Coupling                    | BPN150150000 |                          |
| 43      | Needle Bar Drive Shaft A      | ED0810A0**** |                          |
| 44      | Needle Bar Drive Shaft B      | ED0810B0**** |                          |
| 45      |                               |              |                          |
| 46      |                               |              |                          |

Note: As for parts with marks # or \*, please follow our instructions on Table of Contents in your parts order.

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# TMFD ARM 2

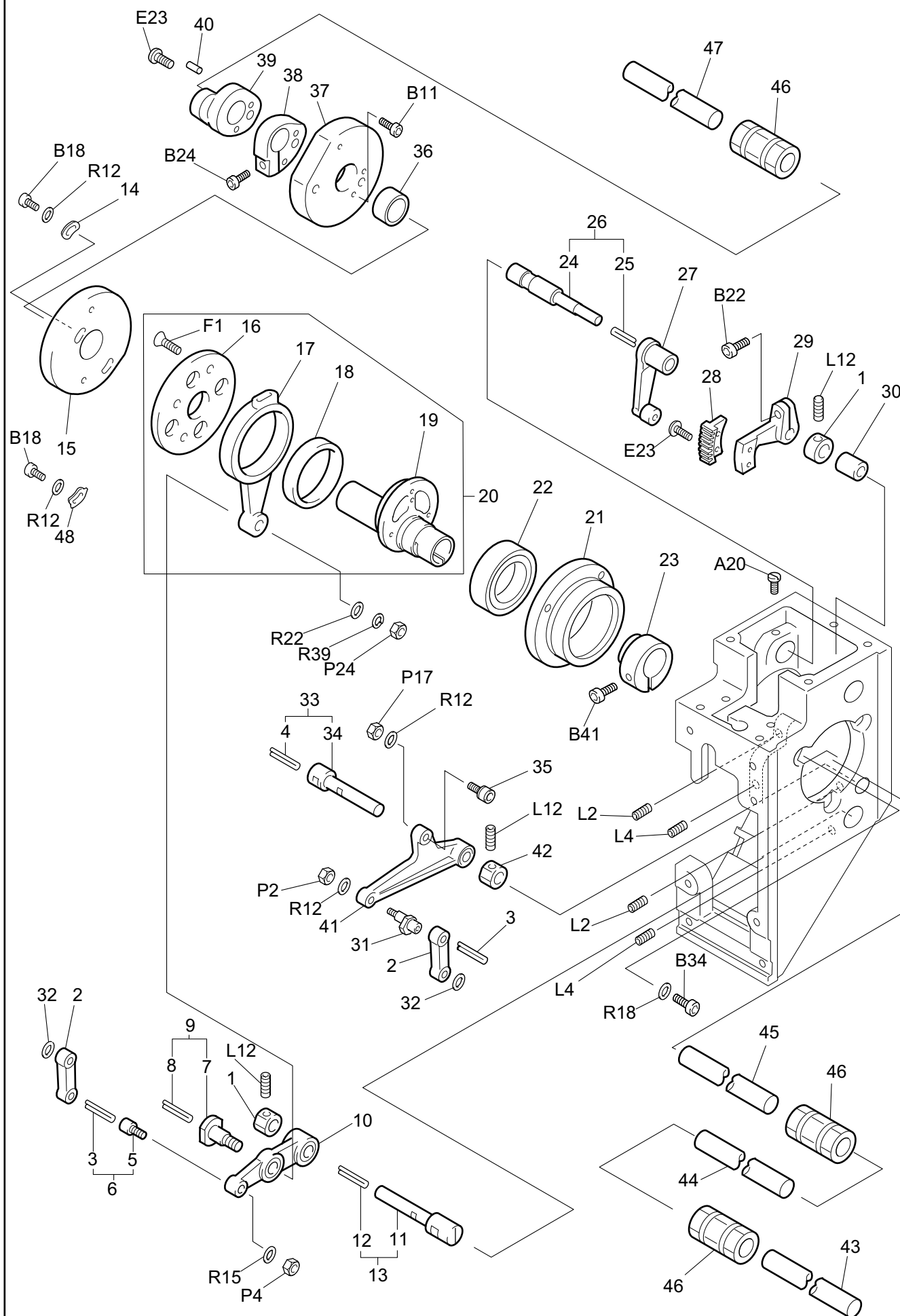
ED-8-2

| Ref.No. | Description                       | Part No.     | Remark  |
|---------|-----------------------------------|--------------|---------|
| 1       | Bearing Case                      | EF0502010000 |         |
| 2       | Ball Bearing                      | BP6004ZZ0000 |         |
| 3       | Needle Bar Cam Tightening Collar  | EF0508000000 |         |
| 4       | Take-up Lever Drive Gear          | EF0517010000 |         |
| 5       | 8mm Dia. Collar                   | EF0418000000 |         |
| 6       | Needle Bar Driver Set             | UN2501000000 |         |
| 7       | Needle Bar Drive Cam              | EF0504010000 |         |
| 8       | Needle Cage                       | BPK384188X01 |         |
| 9       | Connecting Rod                    | EF0505010000 |         |
| 10      | Take-up Lever Cam Base            | EF0507010000 |         |
| 11      | Take-up Lever Drive Cam           | EF0563000000 |         |
| 12      | Cam Washer                        | EF0522000000 | Inside  |
| 12      | Cam Washer A                      | EF0522A00000 | Outside |
| 13      | Needle Bar Drive Connecting Rod   | EF0513000000 |         |
| 14      | No.4 Pin                          | EF0512000000 |         |
| 15      | Stopper Bracket                   | EF0534000000 |         |
| 16      | Needle Bar Reciprocator Spacer    | EF0554000000 |         |
| 17      | Needle Bar Reciprocator           | EF0532020000 |         |
| 18      | Connecting Rod Washer             | EF0555000000 |         |
| 19      | No.1 Pin Set                      | FX0506S10000 |         |
| 20      | Wick A                            | EF0556000000 |         |
| 21      | No.3 Pin Set                      | EF0511S10000 |         |
| 22      | No.3 Pin                          | EF0511010000 |         |
| 23      | Wick B                            | EF0557000000 |         |
| 24      | No.4 Pin Set                      | EF0512S00000 |         |
| 25      | No.1 Pin                          | FX0506010000 |         |
| 26      | Needle Bar Drive Lever Set        | EG0527000000 |         |
| 27      | No.2 Pin Set                      | EG0528S00000 |         |
| 28      | No.2 Pin                          | EG0528000000 |         |
| 29      | Wick A                            | EG0543000000 |         |
| 30      | Take-up Lever Drive Lever B       | EG0529000000 |         |
| 31      | Take-up Lever Drive Lever Pin Set | EF0530S00000 |         |
| 32      | Take-up Lever Drive Lever Pin     | EG0530000000 |         |
| 33      | Wick B                            | EG0544000000 |         |
| 34      | Needle Bar Drive Shaft Set        | UN2501102000 |         |
| 35      | Needle Bar Drive Shaft            | FX0522020000 |         |
| 36      | Needle Bar Drive Shaft Wick       | EG0536000000 |         |
| 37      | Bearing Brass                     | EG0541000000 |         |
| 38      | Needle Bar Drive Shaft Felt       | FX0524000000 |         |
| 39      | Take-up Lever Drive Lever A Set   | EG0521040000 |         |
| 40      | Stopper                           | EF0561010000 |         |
| 41      | Jump Spring                       | FX0516000000 |         |
| 42      | Spring Cradle                     | FX0564000000 |         |
| 43      | Needle Bar Drive Shaft Bushing    | CX0506010000 |         |
| 44      | Reciprocator Slide Block          | EF0560010000 |         |
| 45      | Needle Bar Reciprocator Set       | UN2500910000 |         |
| 46      | Bearing Case Collar               | ME0555000000 |         |
| 47      | Needle Bar Drive Shaft Felt A     | FX0561010000 |         |
| 48      |                                   |              |         |
| 49      |                                   |              |         |

Note: As for parts with marks # or \*, please follow our instructions on Table of Contents in your parts order.

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# TMFD ARM 1 (NOISE REDUCTION TYPE)

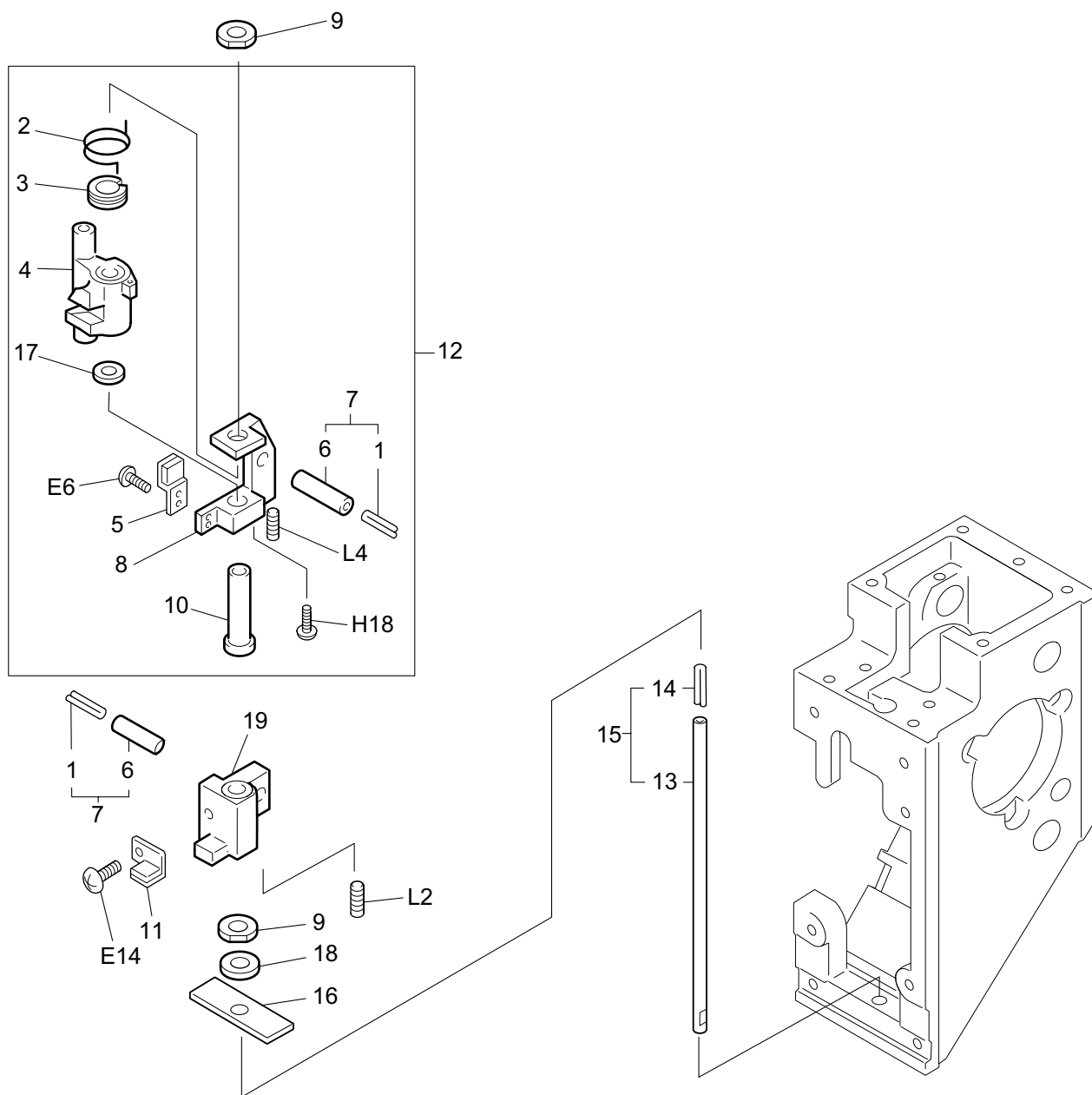
EDN-8-1

| Ref.No. | Description                       | Part No.     | Remark  |
|---------|-----------------------------------|--------------|---------|
| 1       | 8mm Dia. Collar                   | EF0418000000 |         |
| 2       | Needle Bar Drive Connecting Rod   | EF0513000000 |         |
| 3       | Wick B                            | EF0557000000 |         |
| 4       | Wick C                            | EF0558000000 |         |
| 5       | No.3 Pin                          | EF0511010000 |         |
| 6       | No.3 Pin Set                      | UN2505101000 |         |
| 7       | No.1 Pin                          | FX0506010000 |         |
| 8       | Wick A                            | EF0556000000 |         |
| 9       | No.1 Pin Set                      | UN2505601000 |         |
| 10      | Needle Bar Drive Lever Set        | EG0527000000 |         |
| 11      | No.2 Pin                          | EG0528000000 |         |
| 12      | Wick A                            | EG0543000000 |         |
| 13      | No.2 Pin Set                      | UN2505300000 |         |
| 14      | Cam Washer                        | EF0522000000 | Inside  |
| 15      | Take-up Lever Drive Cam           | EF0563000000 |         |
| 16      | Take-up Lever Cam Base            | EF0507010000 |         |
| 17      | Connecting Rod                    | EF0505010000 |         |
| 18      | Needle Cage                       | BPK384188X01 |         |
| 19      | Needle Bar Drive Cam              | FX0502000000 |         |
| 20      | Needle Bar Driver Set             | UN25010000NR |         |
| 21      | Bearing Case                      | EF0502010000 |         |
| 22      | Ball Bearing                      | BP6004ZZ0000 |         |
| 23      | Needle Bar Cam Tightening Collar  | EF0508000000 |         |
| 24      | Take-up Lever Drive Lever Pin     | EG0530000000 |         |
| 25      | Wick B                            | EG0544000000 |         |
| 26      | Take-up Lever Drive Lever Pin Set | UN2505400000 |         |
| 27      | Take-up Lever Drive Lever A Set   | EG0521040000 |         |
| 28      | Take-up Lever Drive Gear          | EF0517010000 |         |
| 29      | Take-up Lever Drive Lever B       | EG0529000000 |         |
| 30      | Bearing Brass                     | EG0541000000 |         |
| 31      | Eccentric Pin                     | MX0511010000 |         |
| 32      | Connecting Rod Washer             | EF0555010000 |         |
| 33      | No.1 Drive Shaft Set              | UN2505501000 |         |
| 34      | No.1 Drive Shaft                  | FX0504010000 |         |
| 35      | Cam Follower                      | BPCFS4000000 |         |
| 36      | Cam Spacer                        | MX0505000000 |         |
| 37      | Presser Foot Cam                  | MX0508020000 |         |
| 38      | Presser Foot Cam Boss             | MXJ509000000 |         |
| 39      | Jump Cam                          | FXJ561000000 |         |
| 40      | Spring Pin                        | BPSP03100000 | 3P*10   |
| 41      | Drive Lever                       | MX0510020000 |         |
| 42      | 8mm Dia. Collar                   | MX0507000000 |         |
| 43      | Needle Bar Drive Shaft A          | ED0510A0**** |         |
| 44      | Needle Bar Drive Shaft B          | ED0810B0**** |         |
| 45      | Needle Bar Drive Shaft C          | ED0810C0**** |         |
| 46      | N-Coupling                        | BPN150150000 |         |
| 47      | Needle Bar Drive Shaft D          | ED0811D1**** |         |
| 48      | Cam Washer A                      | EF0522A00000 | Outside |
| 49      |                                   |              |         |
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Note: As for parts with marks # or \*, please follow our instructions on Table of Contents in your parts order.

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## TMFD ARM 2 (NOISE REDUCTION TYPE)

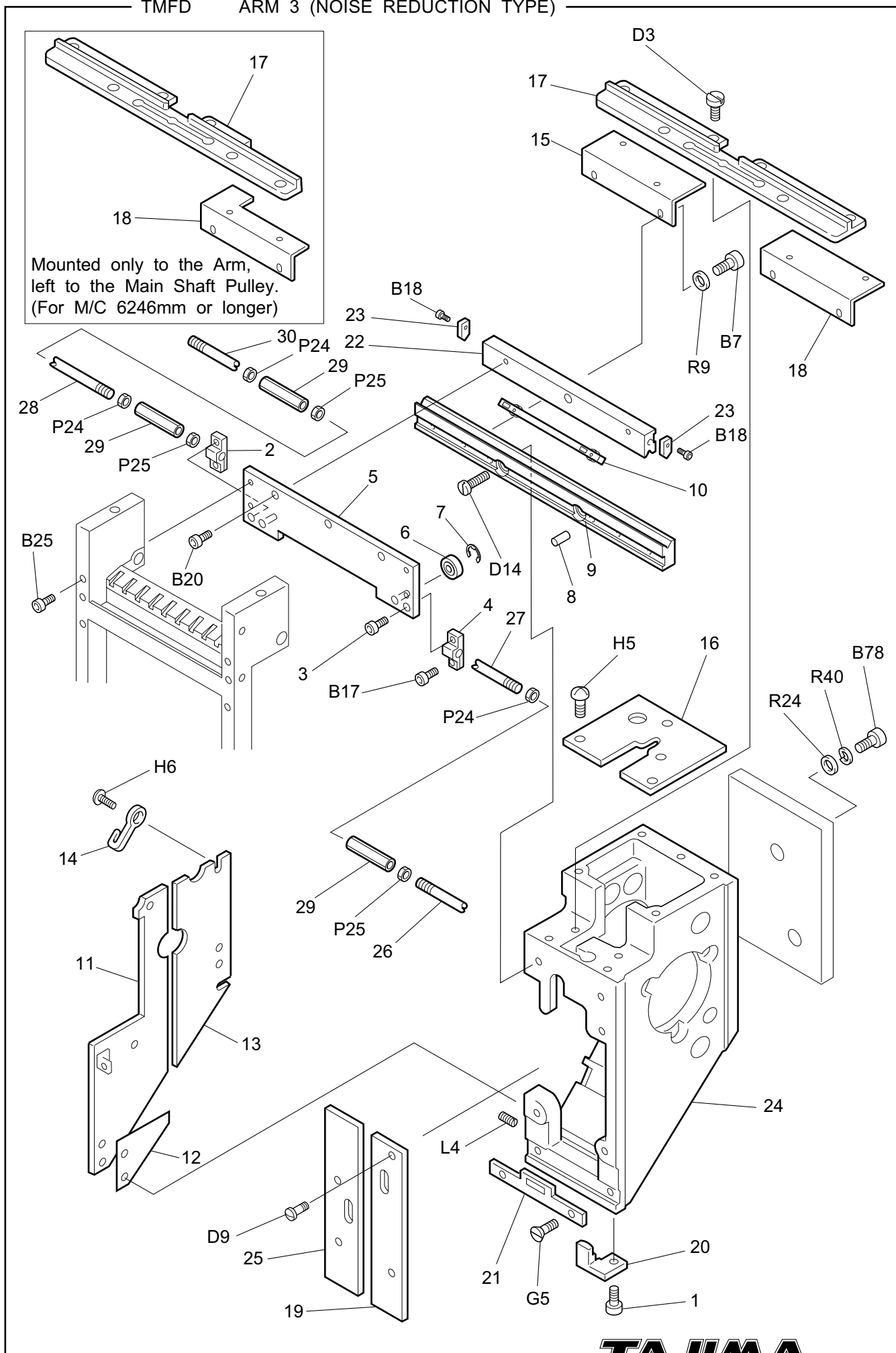
EDN-8-2

| Ref.No. | Description                    | Part No.     | Remark |
|---------|--------------------------------|--------------|--------|
| 1       | Wick B                         | EF0557000000 |        |
| 2       | Jump Spring                    | FX0516000000 |        |
| 3       | Spring Cradle                  | FX0564000000 |        |
| 4       | Needle Bar Reciprocator        | FX0515000000 |        |
| 5       | Stopper Base                   | FX0519000000 |        |
| 6       | No.4 Pin                       | EF0512000000 |        |
| 7       | No.4 Pin Set                   | UN2505200000 |        |
| 8       | Reciprocator Slide Block       | FX0565000000 |        |
| 9       | Needle Bar Drive Shaft Felt A  | FX0561010000 |        |
| 10      | Needle Bar Drive Shaft Bushing | CX0506010000 |        |
| 11      | Cushion Bracket                | FX0521000000 |        |
| 12      | Needle Bar Reciprocator Set    | UN25009100NR |        |
| 13      | Needle Bar Drive Shaft         | FX0522020000 |        |
| 14      | Needle Bar Drive Shaft Wick    | EG0536000000 |        |
| 15      | Needle Bar Drive Shaft Set     | UN2501102000 |        |
| 16      | Needle Bar Drive Shaft Felt    | FX0524000000 |        |
| 17      | Needle Bar Reciprocator Spacer | EF0554000000 |        |
| 18      | Bearing Case Collar            | ME0555000000 |        |
| 19      | Presser Foot Reciprocator      | FX0520040000 |        |
| 20      |                                |              |        |
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Note: As for parts with marks # or \*, please follow our instructions on Table of Contents in your parts order.

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iBH05 j



# TMFD ARM 3 (NOISE REDUCTION TYPE)

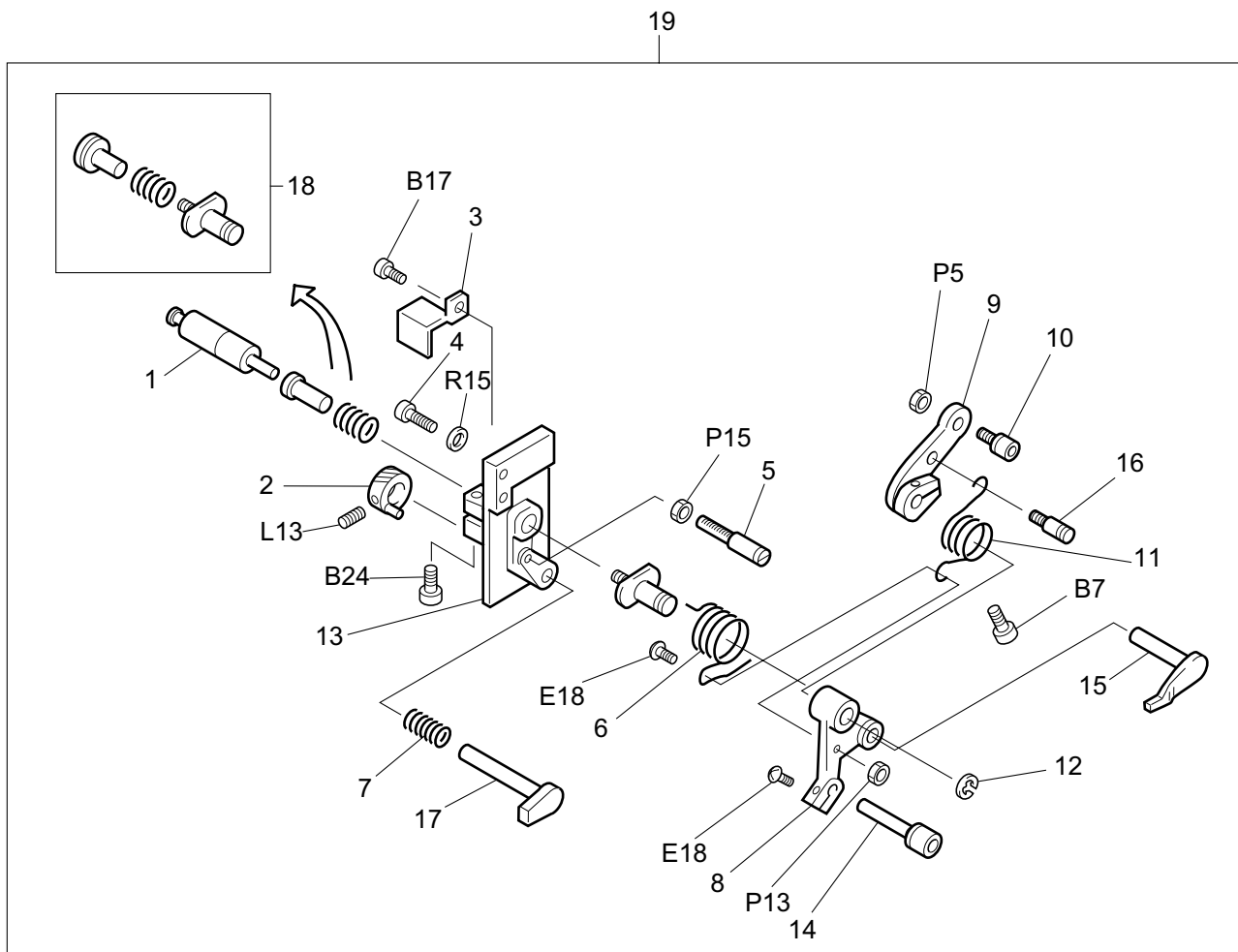
EDN-8-3

| Ref.No. | Description                   | Part No.     | Remark                   |
|---------|-------------------------------|--------------|--------------------------|
| 1       | Hexagon Socket Head Cap Screw | EG0219000000 |                          |
| 2       | Color Change Bracket L        | FX0609L00000 |                          |
| 3       | Change Bracket Set Screw      | FX0611000000 |                          |
| 4       | Color Change Bracket R        | FX0609R00000 |                          |
| 5       | Guide Roller Base             | FX060700#### |                          |
| 6       | Ball Bearing                  | BPR1340ZZ000 |                          |
| 7       | E-ring                        | BPE300000000 |                          |
| 8       | Spring Pin                    | BPSP03120000 | 3P*12                    |
| 9       | Arm Rail, Upper               | EF052603#### |                          |
| 9       | Arm Rail, Upper               | FX0557010000 | 12-Needle                |
| 10      | Slide Roller                  | EF055300#### |                          |
| 11      | Arm Side Cover A              | FXJ5530A0000 |                          |
| 12      | Seal Packing                  | FX0553200000 |                          |
| 13      | Arm Side Cover B              | FX0554AA0000 |                          |
| 14      | Cord Clip                     | PB000700EB00 |                          |
| 15      | Take-up Lever Rail Holder L   | FX0556LB**** |                          |
| 16      | Arm Top Cover                 | EG05320A0000 |                          |
| 17      | Take-up Lever Guide Rail      | EF05140A**** |                          |
| 17      | Take-up Lever Guide Rail      | FX05590A0000 | 12-Needle                |
| 17      | Take-up Lever Guide Rail      | ED050100#### | For M/C 6246mm or longer |
| 18      | Take-up Lever Rail Holder R   | FX0556RB#### |                          |
| 18      | Take-up Lever Rail Holder R   | ED0502RA#### | For M/C 6246mm or longer |
| 19      | Arm Front Cover R             | FX0555RB0000 |                          |
| 20      | Positioning Plate             | FX0526000000 |                          |
| 21      | Arm Guide Plate               | FX0525040000 |                          |
| 22      | Case Rail, Upper              | FX060602#### |                          |
| 23      | Roller Stopper                | FX0635000000 |                          |
| 24      | Arm                           | FX05010A0000 |                          |
| 25      | Arm Front Cover L             | FX0555LB0000 |                          |
| 26      | Slide Shaft A                 | MX0811A0**** |                          |
| 27      | Slide Shaft B                 | MX0811B0**** |                          |
| 28      | Slide Shaft C                 | MX0811C0**** |                          |
| 29      | M6 Joint                      | EF0827010000 |                          |
| 30      | Slide Shaft D                 | MX0811D0**** |                          |
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# TMFD ARM 4 (NOISE REDUCTION TYPE)

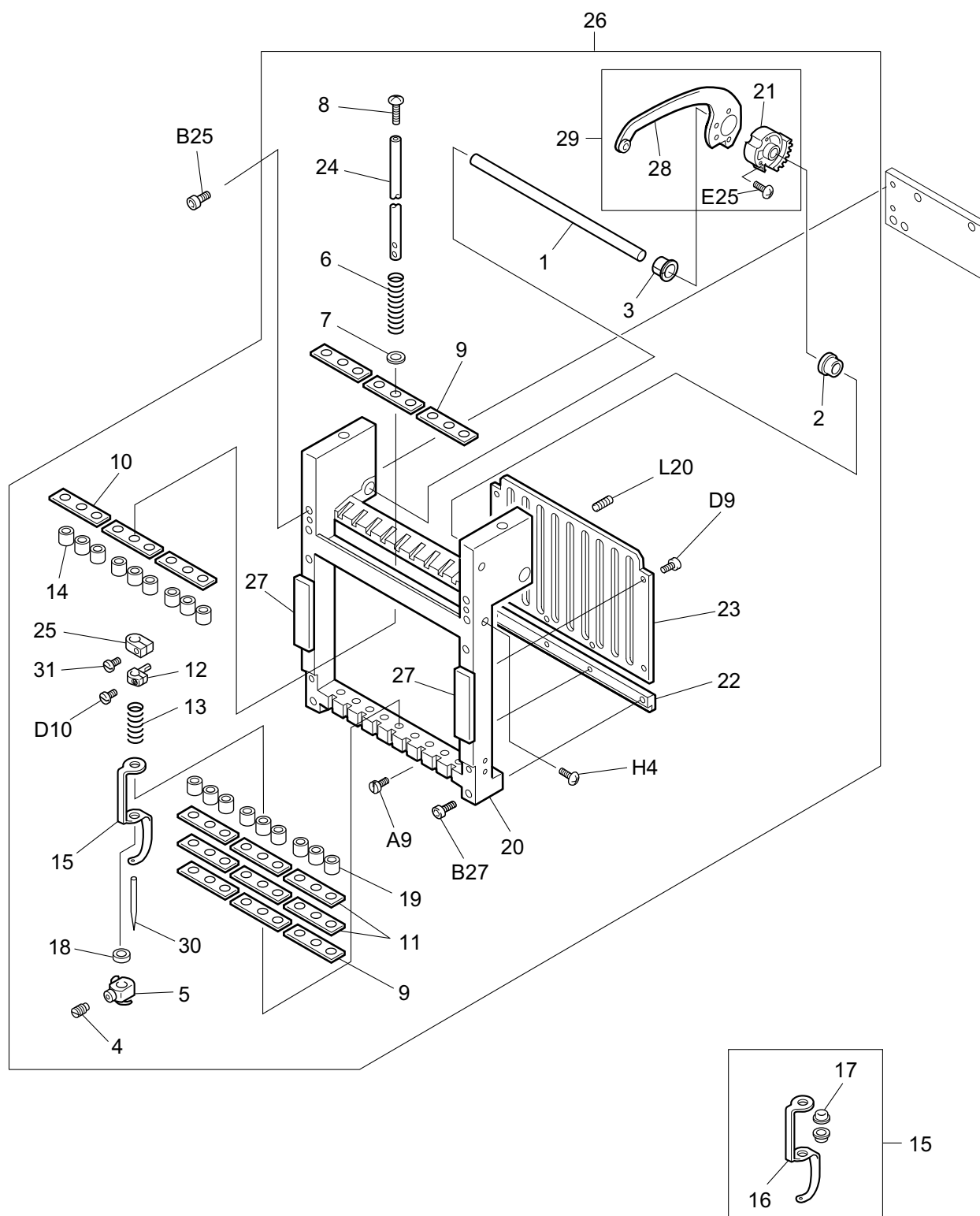
EDN-8-4

| Ref.No. | Description                   | Part No.     | Remark |
|---------|-------------------------------|--------------|--------|
| 1       | Jump Solenoid                 | FX6801S20000 |        |
| 2       | Clutch Knurled Screw          | FX0551000000 |        |
| 3       | Solenoid Cover                | FX0548000000 |        |
| 4       | Hexagon Socket Head Cap Screw | EG0219000000 |        |
| 5       | Stopper Pin                   | FX0539000000 |        |
| 6       | Jump Kick Spring              | FX0546000000 |        |
| 7       | Return Spring                 | FX0550000000 |        |
| 8       | Jump Lever                    | FX0540000000 |        |
| 9       | Cam Lever                     | FX0542000000 |        |
| 10      | Cam Roller Pin B              | FX0543000000 |        |
| 11      | Cam Kick Spring               | FX0547000000 |        |
| 12      | E-ring                        | BPE700000000 |        |
| 13      | Solenoid Bracket              | FXJ5380A0000 |        |
| 14      | Cam Roller Eccentric Pin      | FXJ541000000 |        |
| 15      | Solenoid Lever                | FXJ544000000 |        |
| 16      | Spring Hook Pin B             | FXJ545000000 |        |
| 17      | Clutch Lever                  | FXJ549000000 |        |
| 18      | Cylinder Set                  | UN2505700000 |        |
| 19      | Solenoid Bracket Set          | UN25008A00ED |        |
| 20      |                               |              |        |
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# TMFD NEEDLE BAR CASE

ED-9

| Ref.No. | Description                       | Part No.     | Remark                |
|---------|-----------------------------------|--------------|-----------------------|
| 1       | Take-up Lever Shaft               | EF060200#### |                       |
| 2       | Take-up Lever Adjusting Bushing   | EF0605000000 |                       |
| 3       | Take-up Lever Positioning Bushing | EF0606000000 |                       |
| 4       | Needle Set Screw                  | EF0615000000 |                       |
| 5       | Needle Clamp                      | EF0616010000 |                       |
| 6       | Needle Bar Holder Spring          | EF0618030000 |                       |
| 7       | Spring Shoe Washer                | EF0619000000 |                       |
| 8       | Holding Spring Set Screw          | EF0620000000 |                       |
| 9       | Felt Packing                      | EF062300#### |                       |
| 10      | Cushion Rubber B                  | EF062700#### |                       |
| 11      | Presser Foot Adjusting Rubber     | EF0625A0**** | 0.5mm Thick           |
| 11      | Presser Foot Adjusting Rubber     | EF0625B0**** | 1.0mm Thick           |
| 12      | Needle Bar Connecting Stud        | FX0617000000 |                       |
| 13      | Presser Foot Spring D             | EF0614D20000 |                       |
| 14      | Cushion Ring B                    | EF0643010000 |                       |
| 15      | Presser Foot Set                  | EF0613030000 |                       |
| 16      | Presser Foot                      | EF0613130000 |                       |
| 17      | Presser Foot Bushing              | EF0613220000 |                       |
| 18      | Cushion Ring A                    | EF0642020000 |                       |
| 19      | Cushion Ring C                    | EF0644020000 |                       |
| 20      | Needle Bar Case                   | FX06010A#### |                       |
| 21      | Take-up Lever Gear                | EF0603010000 |                       |
| 22      | Case Rail, Lower                  | FX061200#### |                       |
| 23      | Needle Bar Guide Rail             | FX061302#### |                       |
| 24      | Needle Bar                        | FX0632000000 |                       |
| 25      | Upper Dead Point Stopper          | EF0617010000 |                       |
| 26      | Needle Bar Case Set               | UN260031#### |                       |
| 26      | Needle Bar Case Set               | UN26C031#### | For Jumbo Rotary Hook |
| 27      | Magnet Rubber, Vertical           | EF0635210300 |                       |
| 28      | Take-up Lever                     | FX0603010000 |                       |
| 28      | Take-up Lever                     | FXC603010000 | For Jumbo Rotary Hook |
| 29      | Take-up Lever Gear Set            | FX0603S10000 |                       |
| 30      | Needle                            | EF0640000000 |                       |
| 31      | Flat Fillister Head Screw         | EF0647000000 |                       |
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# **TMFD NEEDLE BAR CASE (NOISE REDUCTION TYPE)**

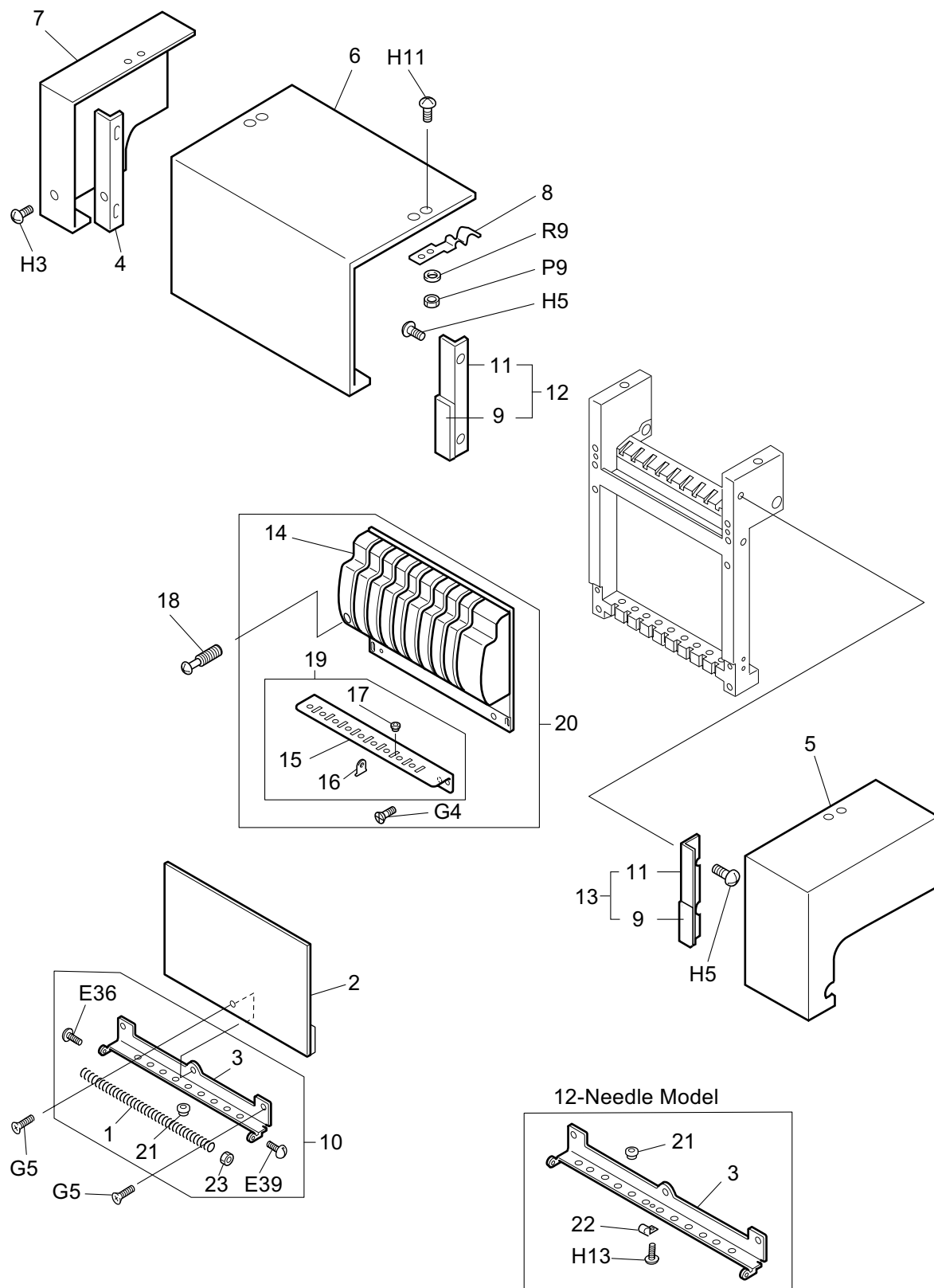
**EDN-9**

| Ref.No. | Description                       | Part No.     | Remark                |
|---------|-----------------------------------|--------------|-----------------------|
| 1       | Needle Set Screw                  | EF0615000000 |                       |
| 2       | Needle Clamp                      | EF0616010000 |                       |
| 3       | Cushion Ring A                    | EF0642020000 |                       |
| 4       | Presser Foot Bushing              | EF0613220000 |                       |
| 5       | Presser Foot Set                  | FX0620000000 |                       |
| 6       | Felt Packing                      | EF062300#### |                       |
| 7       | Presser Foot Set Screw            | FX0622000000 |                       |
| 8       | Presser Foot Connecting Stud      | FX0621010000 |                       |
| 9       | Presser Foot Spring D             | FX0619D10000 |                       |
| 10      | Presser Foot Spring Holder        | FX0618010000 |                       |
| 11      | Needle Bar Connecting Stud        | FX0617000000 |                       |
| 12      | Cushion Ring E                    | FX0615000000 |                       |
| 13      | Cushion Ring F                    | FX0616010000 |                       |
| 14      | Cushion Rubber B                  | EF062700#### |                       |
| 15      | Spring Shoe Washer                | EF0619000000 |                       |
| 16      | Needle Bar Holder Spring          | FX0634010000 |                       |
| 17      | Needle Bar                        | FX0632000000 |                       |
| 18      | Holding Spring Set Screw          | EF0620000000 |                       |
| 19      | Take-up Lever Positioning Bushing | EF0606000000 |                       |
| 20      | Take-up Lever Shaft               | EF060200#### |                       |
| 21      | Take-up Lever Adjusting Bushing   | EF0605000000 |                       |
| 22      | Needle Bar Guide Rail             | FX061302#### |                       |
| 23      | Case Rail, Lower                  | FX061200#### |                       |
| 24      | Needle Bar Case                   | FX06010A#### |                       |
| 25      | Take-up Lever Gear                | EF0603010000 |                       |
| 26      | Upper Dead Point Stopper          | EF0617010000 |                       |
| 27      | Flat Fillister Head Screw         | EF0647000000 |                       |
| 28      | Presser Foot                      | FX0620100000 |                       |
| 29      | Magnet Rubber, Vertical           | EF0635210300 |                       |
| 30      | Needle Bar Case Set               | UN260041#### |                       |
| 30      | Needle Bar Case Set               | UN26C041#### | For Jumbo Rotary Hook |
| 31      | Take-up Lever                     | FX0603010000 |                       |
| 31      | Take-up Lever                     | FXC603010000 | For Jumbo Rotary Hook |
| 32      | Take-up Lever Gear Set            | FX0603S10000 |                       |
| 32      | Take-up Lever Gear Set            | FXC603S10000 | For Jumbo Rotary Hook |
| 33      | Needle                            | EF0640000000 |                       |
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# TMFD FRONT COVER

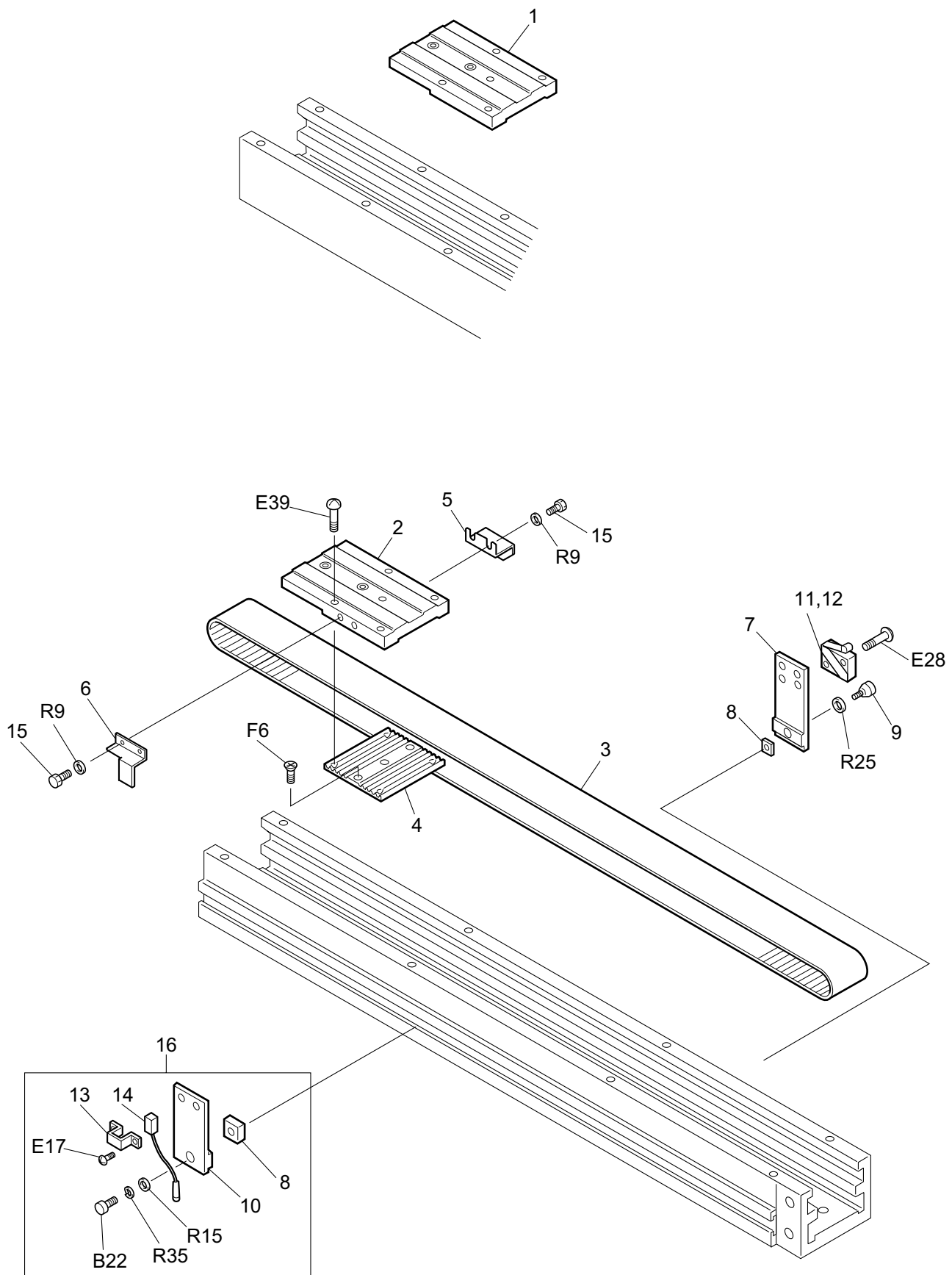
ED-10

| Ref.No. | Description               | Part No.     | Remark                |
|---------|---------------------------|--------------|-----------------------|
| 1       | Thread Hook Spring        | EF063100#### |                       |
| 2       | Face Plate                | EC060101#### |                       |
| 3       | Lower Thread Guide        | FX062601#### |                       |
| 4       | Cover Attaching Bracket C | FX0628C00000 |                       |
| 5       | Front Cover A             | MX08150A0000 |                       |
| 6       | Front Cover B             | MX08160A**** |                       |
| 7       | Front Cover C             | MX08170A#### |                       |
| 8       | Cover Plate Spring        | FX0805010000 |                       |
| 9       | Plate Magnet              | FX0628200000 |                       |
| 10      | Lower Thread Guide Set    | UN260060#### |                       |
| 11      | Cover Attaching Bracket   | FX0628030000 |                       |
| 12      | Cover Attaching Bracket L | FX0628L30000 |                       |
| 13      | Cover Attaching Bracket R | FX0628R30000 |                       |
| 14      | Top Cover                 | CX067100#### |                       |
| 14      | Top Cover                 | CXC67100#### | For Jumbo Rotary Hook |
| 15      | Middle Thread Guide       | CX067210#### |                       |
| 16      | Thread Guide              | MX0522000000 |                       |
| 17      | Thread Guide              | MX0521000000 |                       |
| 18      | Top Cover Attaching Screw | CX0675000000 |                       |
| 19      | Middle Thread Guide Set   | CX067200#### |                       |
| 20      | Top Cover Set             | UN260022**** |                       |
| 20      | Top Cover Set             | UN26C022**** | For Jumbo Rotary Hook |
| 21      | Thread Guide              | FX0626110000 |                       |
| 22      | Spring Presser Bracket    | FX0633010000 | 12-Needle             |
| 23      | Hexagon Nut               | EF0646000000 |                       |
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# TMFD X-AXIS DRIVE SYSTEM 1

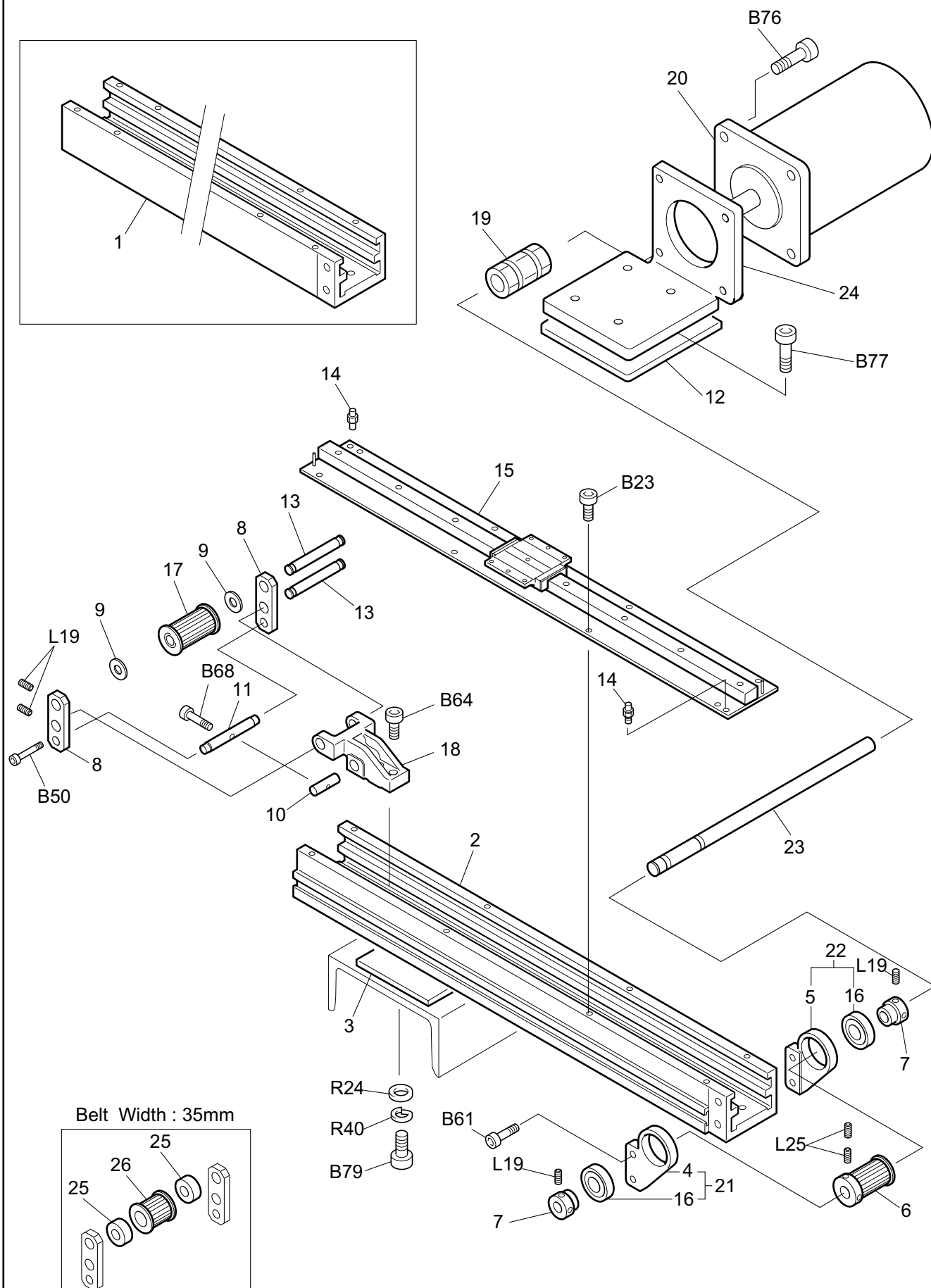
ED-11-1

| Ref.No. | Description             | Part No.      | Remark         |
|---------|-------------------------|---------------|----------------|
| 1       | X-axis Feed Plate A     | CTZ701A000000 | 35mm wide type |
| 1       | X-axis Feed Plate C     | CTZ701C000000 | 50mm wide type |
| 2       | X-axis Feed Plate B     | CTZ701B000000 | 35mm wide type |
| 2       | X-axis Feed Plate D     | CTZ701D000000 | 50mm wide type |
| 3       | Timing Belt             | BPS5M35N****  | 35mm wide type |
| 3       | Timing Belt             | BPS5M50N****  | 50mm wide type |
| 4       | Belt Catcher Plate      | MX0732000000  |                |
| 5       | LS Dog Base             | MX0730010000  |                |
| 6       | 0-point Search Plate    | MX0731010000  |                |
| 7       | Limit Switch Base B     | EG0727B10000  |                |
| 8       | Fixing Base             | EG0730000000  |                |
| 9       | Adjusting Knob          | EG0731000000  |                |
| 10      | Sensor Attaching Base B | EG0732B10000  |                |
| 11      | Limit Switch            | PB001000SP00  |                |
| 12      | Actuator                | MS6602000000  |                |
| 13      | Proximity Switch Lock   | PB001000KN01  |                |
| 14      | Proximity Switch        | PB001000KN00  |                |
| 15      | Hexagon Bolt            | EG0780000000  |                |
| 16      | Proximity Switch B Set  | UN110161B000  |                |
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# TMFD X-AXIS DRIVE SYSTEM 2

ED-11-2

| Ref.No. | Description                           | Part No.     | Remark                |
|---------|---------------------------------------|--------------|-----------------------|
| 1       | X-axis Driver Frame A                 | MX0721A0**** |                       |
| 2       | X-axis Driver Frame B                 | MX0721B0**** |                       |
| 3       | Driver Spacer C                       | EF083100**** |                       |
| 4       | Bearing Case Plate L                  | MX0733L00000 |                       |
| 5       | Bearing Case Plate R                  | MX0733R00000 |                       |
| 6       | Driver-side Timing Pulley A           | MX0710A00000 | 35mm wide type        |
| 6       | Driver-side Timing Pulley B           | MX0710B00000 | 50mm wide type        |
| 7       | 15mm Dia. Bearing Collar              | EG0227000000 |                       |
| 8       | Vertical Tension Base                 | MX0723000000 |                       |
| 9       | Washer                                | BPRTW1225000 |                       |
| 10      | Driver Tension Shaft                  | MX0728000000 |                       |
| 11      | Tension Shaft                         | MX0724000000 |                       |
| 12      | Pulse (Stepping) Motor Bracket Spacer | CT087300**** | 0.5t□1.0t□2.0t        |
| 13      | Tension Pulley Shaft                  | MX0725000000 |                       |
| 14      | Stopper                               | MX0729000000 |                       |
| 15      | X-axis Drive Linear Base Set          | MX074800**** |                       |
| 16      | Ball Bearing                          | BP6003ZZ0000 |                       |
| 17      | Tension-side Timing Pulley B Set      | UN110030B000 | 50mm wide type        |
| 18      | Tension Base Holder                   | MX0734000000 |                       |
| 19      | N-Coupling                            | BPN150150000 |                       |
| 20      | Pulse (Stepping) Motor                | EH6403000000 | M/C 5635mm or shorter |
| 20      | Pulse (Stepping) Motor                | LG6404000000 |                       |
| 21      | Bearing Case Plate L (with Bearing)   | MXS733L00000 |                       |
| 22      | Bearing Case Plate R (with Bearing)   | MXS733R00000 |                       |
| 23      | X-axis Drive Shaft                    | ED083600**** | Standard              |
| 23      | X-axis Drive Shaft                    | EDG83600**** |                       |
| 24      | Pulse Motor Bracket                   | CT0872000000 |                       |
| 25      | Tension Spacer                        | MX0726000000 |                       |
| 26      | Tension-side Timing Pulley A Set      | UN110030A000 | 35mm wide type        |
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# TMFD Y-AXIS DRIVE SYSTEM 1

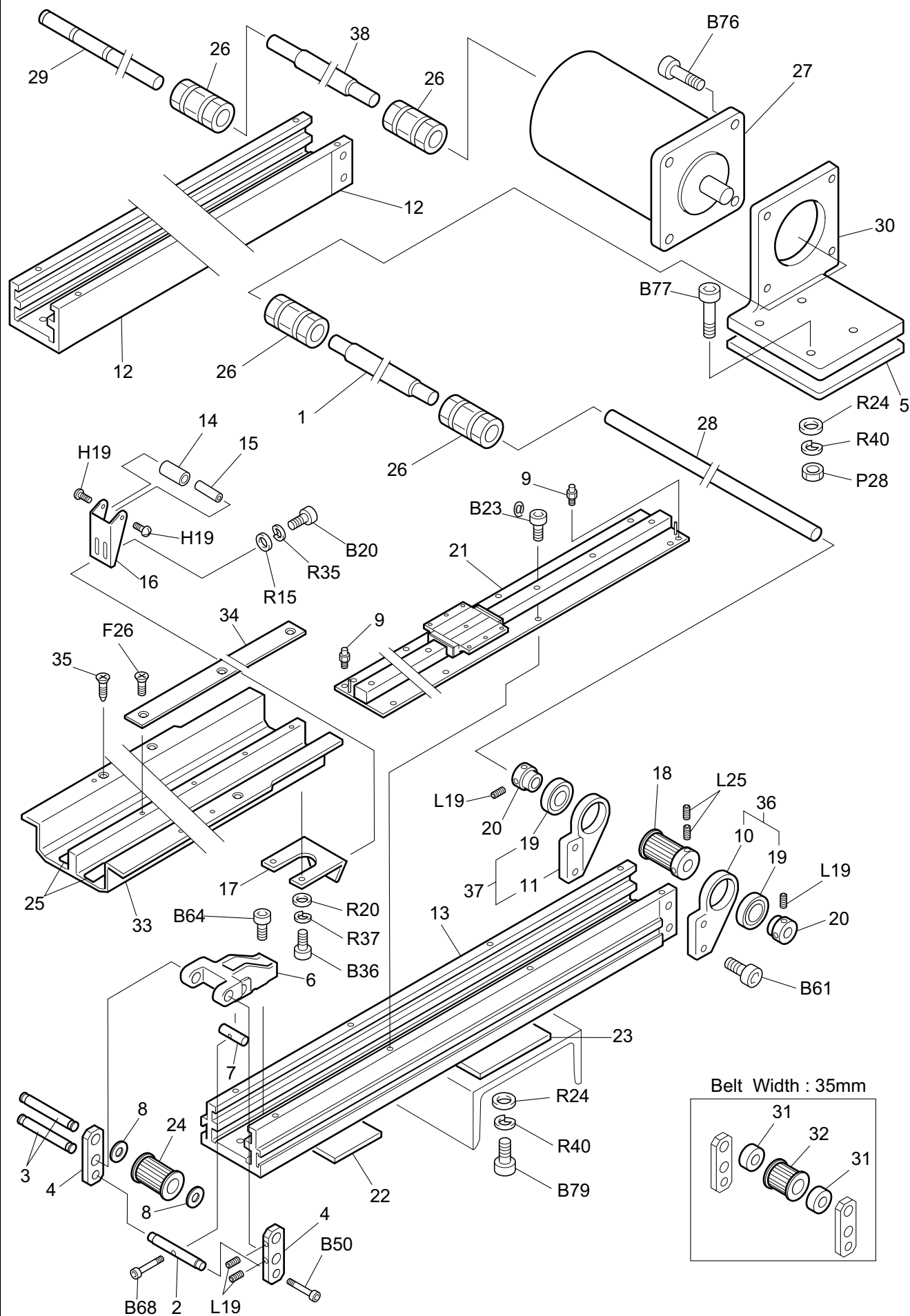
**ED-12-1**

| Ref.No. | Description                  | Part No.     | Remark                       |
|---------|------------------------------|--------------|------------------------------|
| 1       | Y-axis Feed Plate A          | MX0736A00000 | 35mm wide type               |
| 1       | Y-axis Feed Plate C          | MX0736C00000 | 50mm wide type               |
| 2       | Y-axis Feed Plate B          | MX0736B00000 | M/C 5635mm or shorter,35mm W |
| 2       | Y-axis Feed Plate D          | MX0736D00000 | 50mm wide type               |
| 3       | Y-axis Feed Front Pin        | MX0742000000 |                              |
| 4       | Belt Catcher Plate           | MX0732000000 |                              |
| 5       | Y-axis Feed Connecting Plate | MX073900**** |                              |
| 6       | Roller Base Guide Pin        | EG0718000000 |                              |
| 7       | Timing Belt                  | BPS5M35N**** | 35mm wide type               |
| 7       | Timing Belt                  | BPS5M50N**** | 50mm wide type               |
| 8       | Presser Roller Base          | EG0715020000 |                              |
| 9       | Bearing Pin B                | EG0779010000 |                              |
| 10      | Bearing Pin A                | EG0778010000 |                              |
| 11      | LS Dog Base                  | MX0730010000 |                              |
| 12      | 0-point Search Plate         | MX0731010000 |                              |
| 13      | Limit Switch Base B          | EG0727B10000 |                              |
| 14      | Fixing Base                  | EG0730000000 |                              |
| 15      | Adjusting Knob               | EG0731000000 |                              |
| 16      | Sensor Attaching Base B      | EG0732B10000 |                              |
| 17      | Connecting Plate Felt        | MX0704100000 | Y:680mm or longer            |
| 18      | Limit Switch                 | PB001000SP00 |                              |
| 19      | Actuator                     | MS6602000000 |                              |
| 20      | Proximity Switch Lock        | PB001000KN01 |                              |
| 21      | Proximity Switch             | PB001000KN00 |                              |
| 22      | Hexagon Bolt                 | EG0780000000 |                              |
| 23      | Proximity Switch B Set       | UN110161B000 | 50mm wide type               |
| 24      | Frame Presser Block          | MX0737010000 |                              |
| 25      | Roller Attaching Bracket     | MX0741000000 |                              |
| 26      | Y-axis Feed Plate, Front     | MX0738000000 |                              |
| 27      | Guide Plate                  | MX0743000000 |                              |
| 28      | Roller Pin Spacer            | EG0770000000 |                              |
| 29      | Frame Catcher Plate          | MX0313010000 |                              |
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# TMFD Y-AXIS DRIVE SYSTEM 2

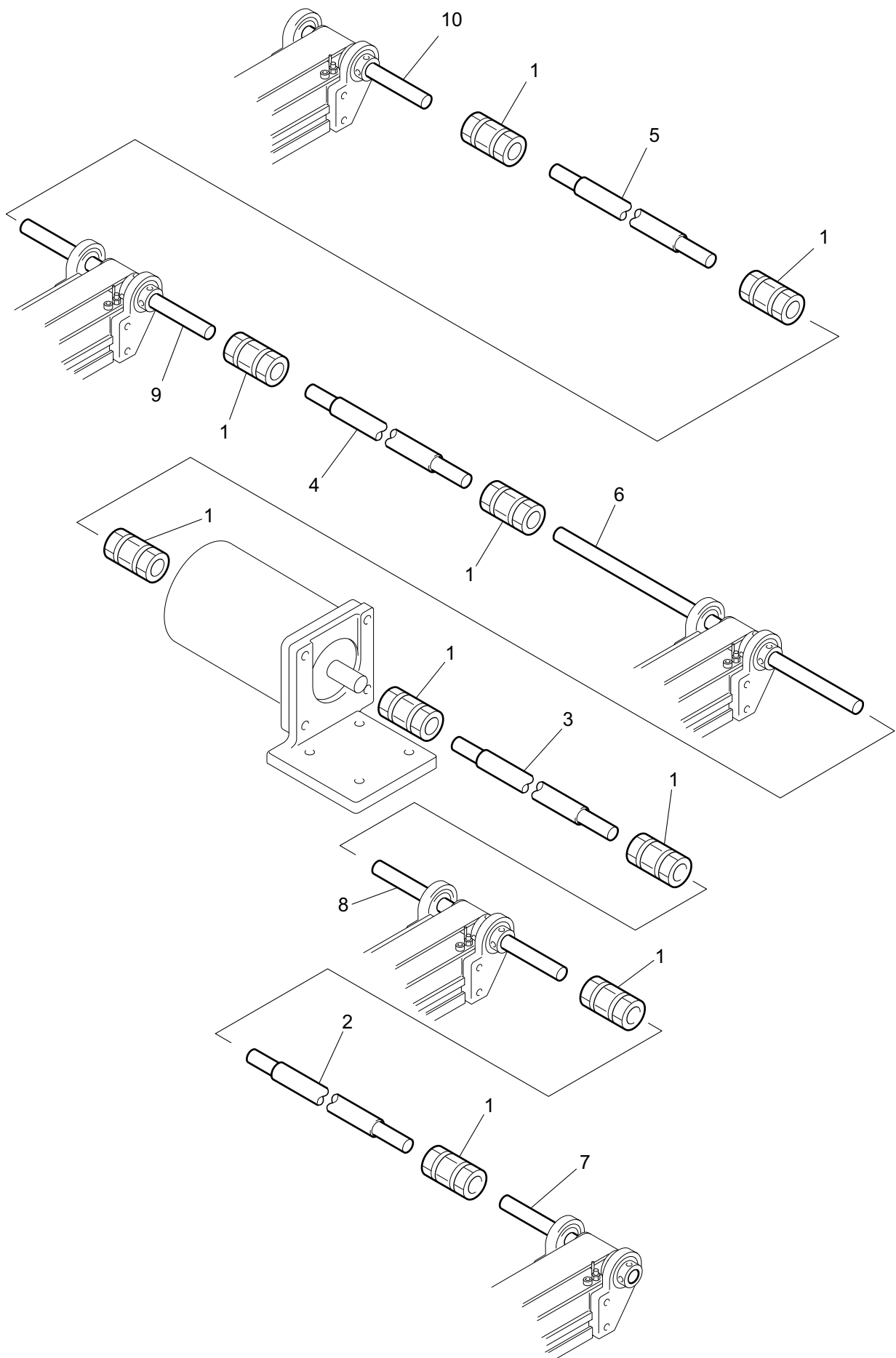
ED-12-2

| Ref.No. | Description                           | Part No.     | Remark                |
|---------|---------------------------------------|--------------|-----------------------|
| 1       | Y20 Shaft A                           | ED0808A0**** | G-Spec.M/C only       |
| 2       | Tension Shaft                         | MX0724000000 |                       |
| 3       | Tension Pulley Shaft                  | MX0725000000 |                       |
| 4       | Vertical Tension Base                 | MX0723000000 |                       |
| 5       | Pulse (Stepping) Motor Bracket Spacer | CT087300**** | 0.5t±1.0t±2.0t        |
| 6       | Tension Base Holder                   | MX0734000000 |                       |
| 7       | Driver Tension Shaft                  | MX0728000000 |                       |
| 8       | Washer                                | BPRTW1225000 |                       |
| 9       | Stopper                               | MX0729000000 |                       |
| 10      | Bearing Case Plate L                  | MX0733L00000 |                       |
| 11      | Bearing Case Plate R                  | MX0733R00000 |                       |
| 12      | Y-axis Driver Frame A                 | MX0720A0**** |                       |
| 13      | Y-axis Driver Frame B                 | MX0720B0**** |                       |
| 14      | Roller                                | EF0722000000 |                       |
| 15      | Roller Pin                            | EF0723010000 |                       |
| 16      | Bearing Case A                        | MX0745000000 |                       |
| 17      | Bearing Case Base A                   | EF0721A10000 |                       |
| 18      | Driver-side Timing Pulley A           | MX0710A00000 | 35mm wide type        |
| 18      | Driver-side Timing Pulley B           | MX0710B00000 | 50mm wide type        |
| 19      | Ball Bearing                          | BP6003ZZ0000 |                       |
| 20      | 15mm Dia. Bearing Collar              | EG0227000000 |                       |
| 21      | Y-axis Drive Linear Base Set          | MX074900**** |                       |
| 22      | Driver Spacer C                       | EF0831000000 |                       |
| 23      | Driver Spacer C                       | EF0830C00000 |                       |
| 24      | Tension-side Timing Pulley B Set      | UN110030B000 | 50mm wide type        |
| 25      | Front Rail Plate                      | MX074010**** |                       |
| 26      | N-Coupling                            | BPN150150000 |                       |
| 27      | Pulse (Stepping) Motor                | EH6405000000 | M/C 5635mm or shorter |
| 27      | Pulse (Stepping) Motor                | LG6405000000 |                       |
| 28      | Y15 Shaft A                           | ED0809A0**** |                       |
| 29      | Y15 Shaft B                           | ED0809B0**** |                       |
| 30      | Pulse Motor Bracket                   | CT0872000000 |                       |
| 31      | Tension Spacer                        | MX0726000000 | 35mm wide type        |
| 32      | Tension-side Timing Pulley A Set      | UN110030A000 | 35mm wide type        |
| 33      | Front Rail Holder                     | MX074000**** |                       |
| 34      | Y-axis Feed Rail Plate                | MX074400**** |                       |
| 35      | Countersunk Head Wood Screw           |              | 4.1P*20               |
| 36      | Bearing Case Plate L (with Bearing)   | MXS733L00000 |                       |
| 37      | Bearing Case Plate R (with Bearing)   | MXS733R00000 |                       |
| 38      | Y20 Shaft B                           | ED0808B0**** | G-Spec.M/C only       |
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# **TMFD Y-AXIS DRIVE SYSTEM 3 (M/C 6246MM-)**

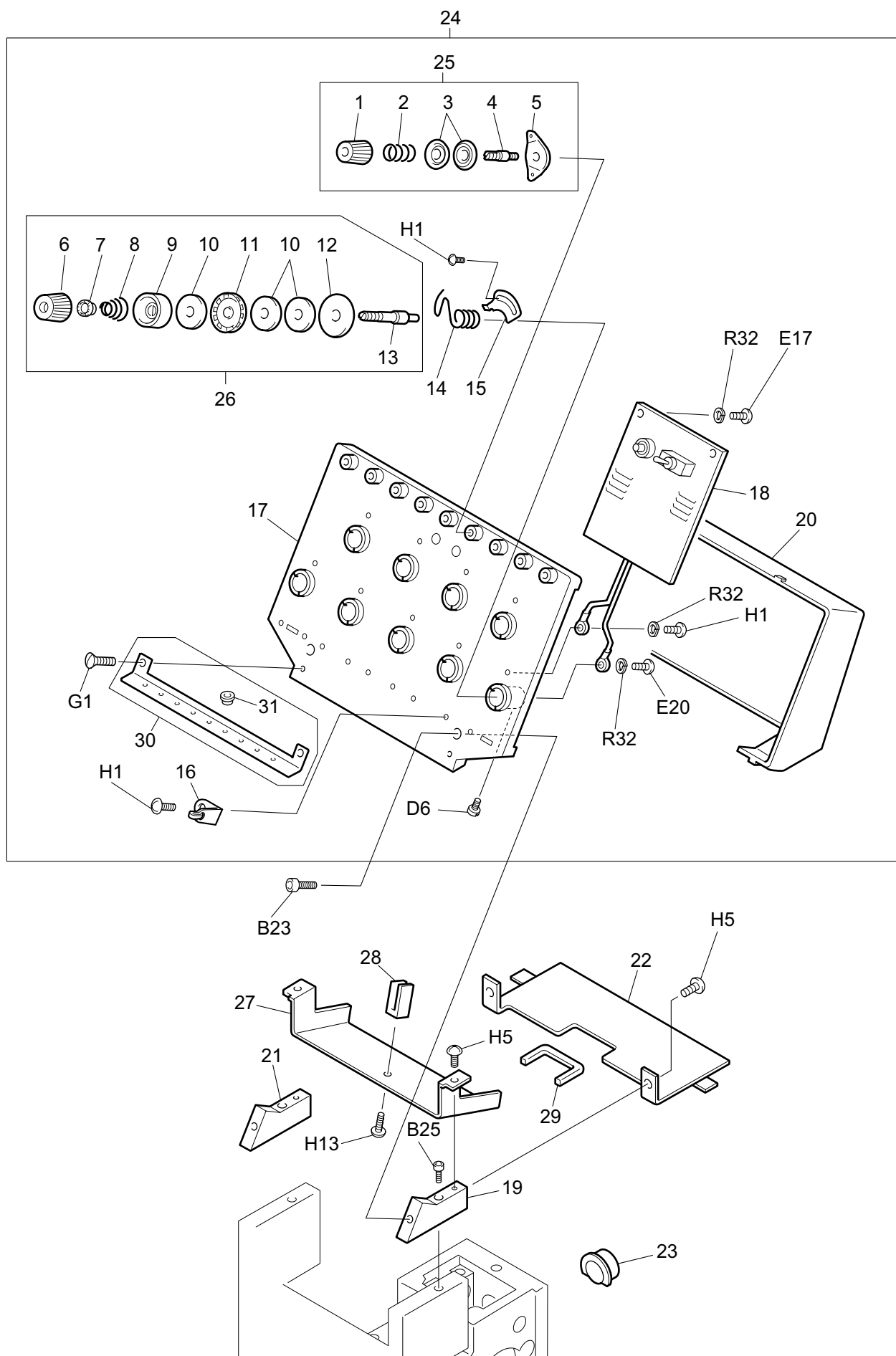
ED-12-3

| Ref.No. | Description    | Part No.     | Remark |
|---------|----------------|--------------|--------|
| 1       | N-Coupling     | BPN150150000 |        |
| 2       | Y20 Shaft A    | ED0808A0**** |        |
| 3       | Y20 Shaft B    | ED0808B0**** |        |
| 4       | Y20 Shaft C    | ED0808C0**** |        |
| 5       | Y20 Shaft D    | ED0808D0**** |        |
| 6       | Y-axis Shaft G | MX0842G0**** |        |
| 7       | Y-axis Shaft A | MX0842A00000 |        |
| 8       | Y-axis Shaft B | MX0842B00000 |        |
| 9       | Y-axis Shaft C | MX0842C00000 |        |
| 10      | Y-axis Shaft D | MX0842D00000 |        |
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# TMFD INDIVIDUAL TENSION BASE

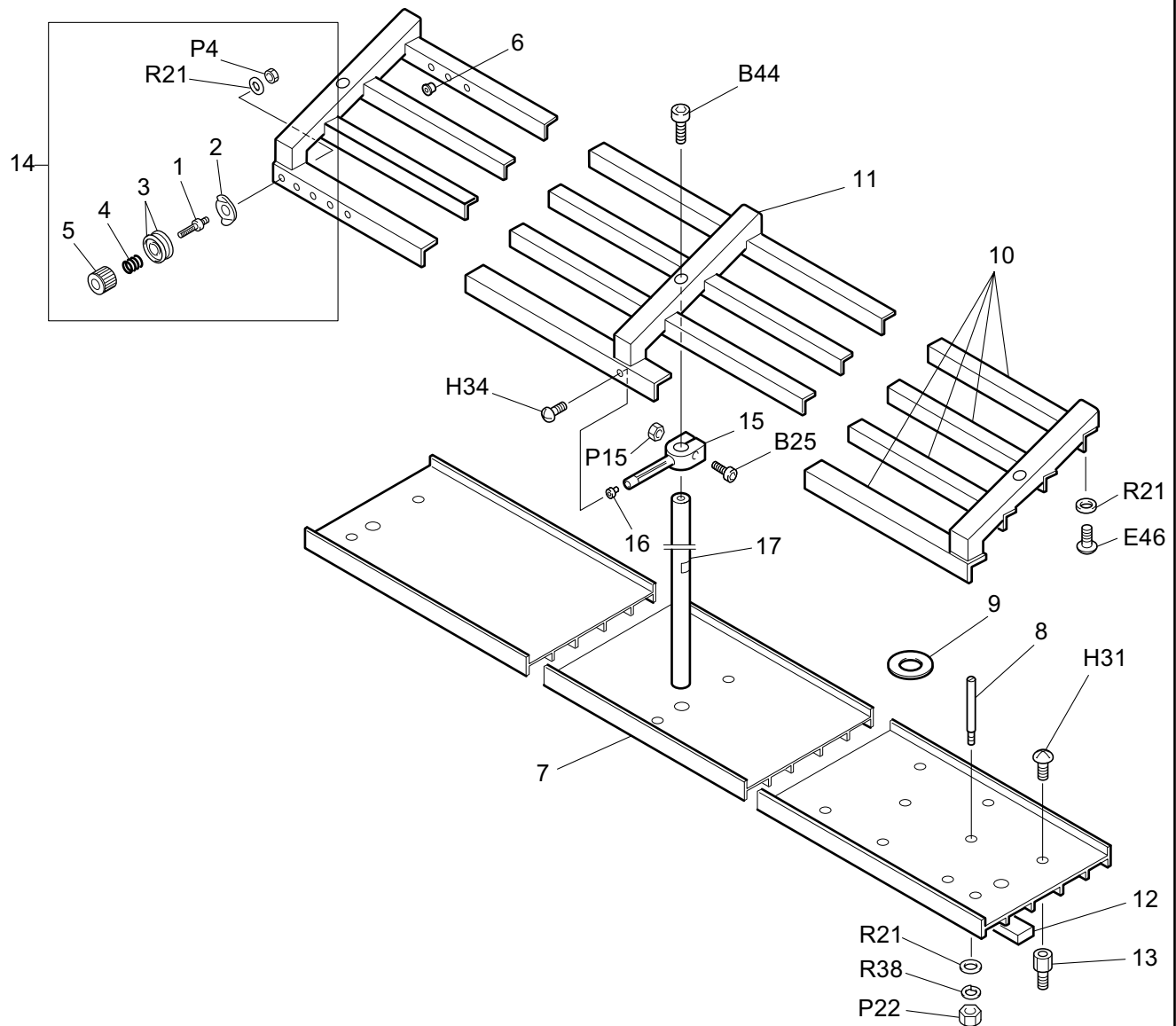
ED-13

| Ref.No. | Description                              | Part No.     | Remark |
|---------|------------------------------------------|--------------|--------|
| 1       | First Thread Tension Spring Screw        | LG09220A0000 |        |
| 2       | First Tension Spring B                   | LG0960000000 |        |
| 3       | First Tension Disk                       | LG0920000000 |        |
| 4       | First Tension Stud                       | LG0918010000 |        |
| 5       | First Tension Thread Course              | LG0919010000 |        |
| 6       | Adjusting Screw                          | EF09090A0000 |        |
| 7       | Spring Hook                              | EF0910000000 |        |
| 8       | Tension Spring                           | EF0908000000 |        |
| 9       | Tension Collar                           | EF09060A0000 |        |
| 10      | Felt Packing                             | EF0904000000 |        |
| 11      | Rotary Tension Disk                      | EF0905010000 |        |
| 12      | Insulation Plate                         | EF0903000000 |        |
| 13      | Tension Stud                             | LG0923000000 |        |
| 14      | Thread Take-up Spring                    | EF0907010000 |        |
| 15      | Thread Breakage Detecting Contact Point  | LG0916000000 |        |
| 16      | Tension Base Middle Thread Guide         | LG0917020000 |        |
| 17      | Individual Tension Base                  | FX09010A#### |        |
| 18      | Tension Base Card (PC Board)             | EG7203030000 |        |
| 19      | Individual Tension Base Support R        | LG0912RA0000 |        |
| 20      | Tension Base Cover                       | FX09030A#### |        |
| 21      | Individual Tension Base Support L        | LG0912LA0000 |        |
| 22      | Tension Base Cord Cover A @ (Right Side) | MX0901AA#### |        |
| 22      | Tension Base Cord Cover B (Middle)       | MX0901BA#### |        |
| 22      | Tension Base Cord Cover C (Left Side)    | MX0901CA#### |        |
| 23      | Harness Guard Bushing                    | MX0833010000 |        |
| 24      | Individual Tension Base Set              | UN230023**** |        |
| 25      | First Tension Set                        | UN150500A001 |        |
| 26      | Tension Base Tension Set                 | UN2305000001 |        |
| 27      | Cord Support Cover                       | FX09100A#### |        |
| 28      | Harness Clamp                            | MX0902000000 |        |
| 29      | Rubber Bushing                           | PB003400EB00 |        |
| 30      | Tension Base Lower Thread Guide          | CX090100#### |        |
| 31      | Thread Guide                             | MX0521000000 |        |
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# TMFD THREAD STAND

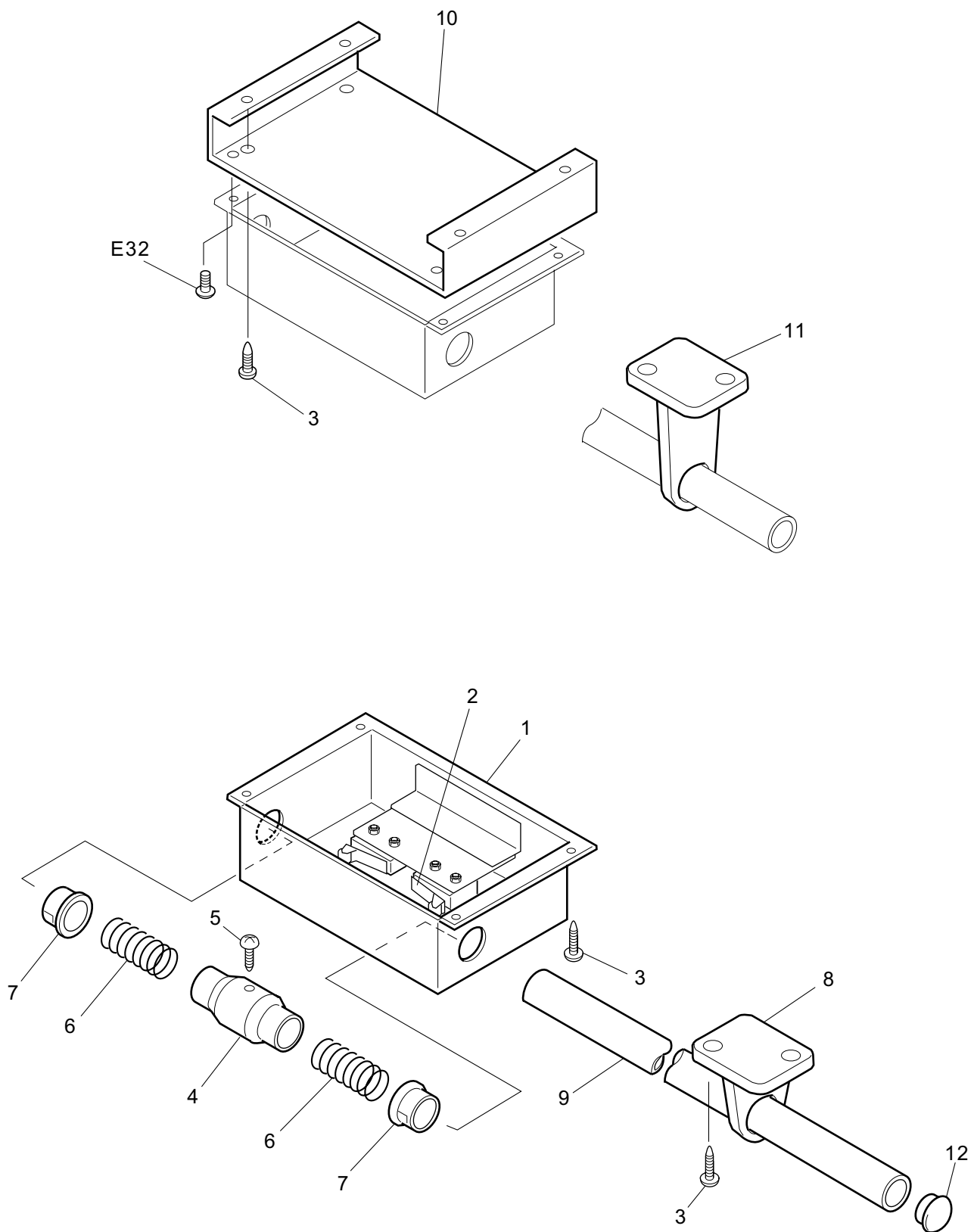
ED-14

| Ref.No. | Description                       | Part No.     | Remark                   |
|---------|-----------------------------------|--------------|--------------------------|
| 1       | No.1 Tension Stud                 | EC0D30000000 |                          |
| 2       | No.1 Tension Thread Course        | LG0919010000 |                          |
| 3       | No.1 Tension Disk                 | LG0920000000 |                          |
| 4       | No.1 Tension Spring B             | LG0960000000 |                          |
| 5       | No.1 Thread Tension Spring Screw  | LG09220A0000 |                          |
| 6       | Thread Guide A                    | EF0942A00000 | White                    |
| 6       | Thread Guide B                    | EF0942B00000 | Red                      |
| 7       | Thread Stand Plate                | MX080500**** |                          |
| 8       | Thread Stand Stud                 | EF0939010000 |                          |
| 9       | Thread Stand Felt                 | EF0940000000 |                          |
| 10      | Thread Course                     | MX080402**** |                          |
| 11      | Thread Course Stay                | MX083000**** |                          |
| 12      | Thread Stand Plate Felt           | MX0805120000 |                          |
| 13      | Thread Stand Plate Attaching Stud | MX0821020000 |                          |
| 14      | No.1 Tension Set                  | UN150500B001 |                          |
| 15      | Reinforcing Guide                 | MX0837010000 |                          |
| 16      | Rubber Bushing                    | BPQ400000000 |                          |
| 17      | Thread Stand Shaft A              | EF0937A20000 |                          |
| 17      | Thread Stand Shaft                | CT0603010000 | For M/C 6246mm or longer |
| 18      |                                   |              |                          |
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# TMFD BAR SWITCH BOX

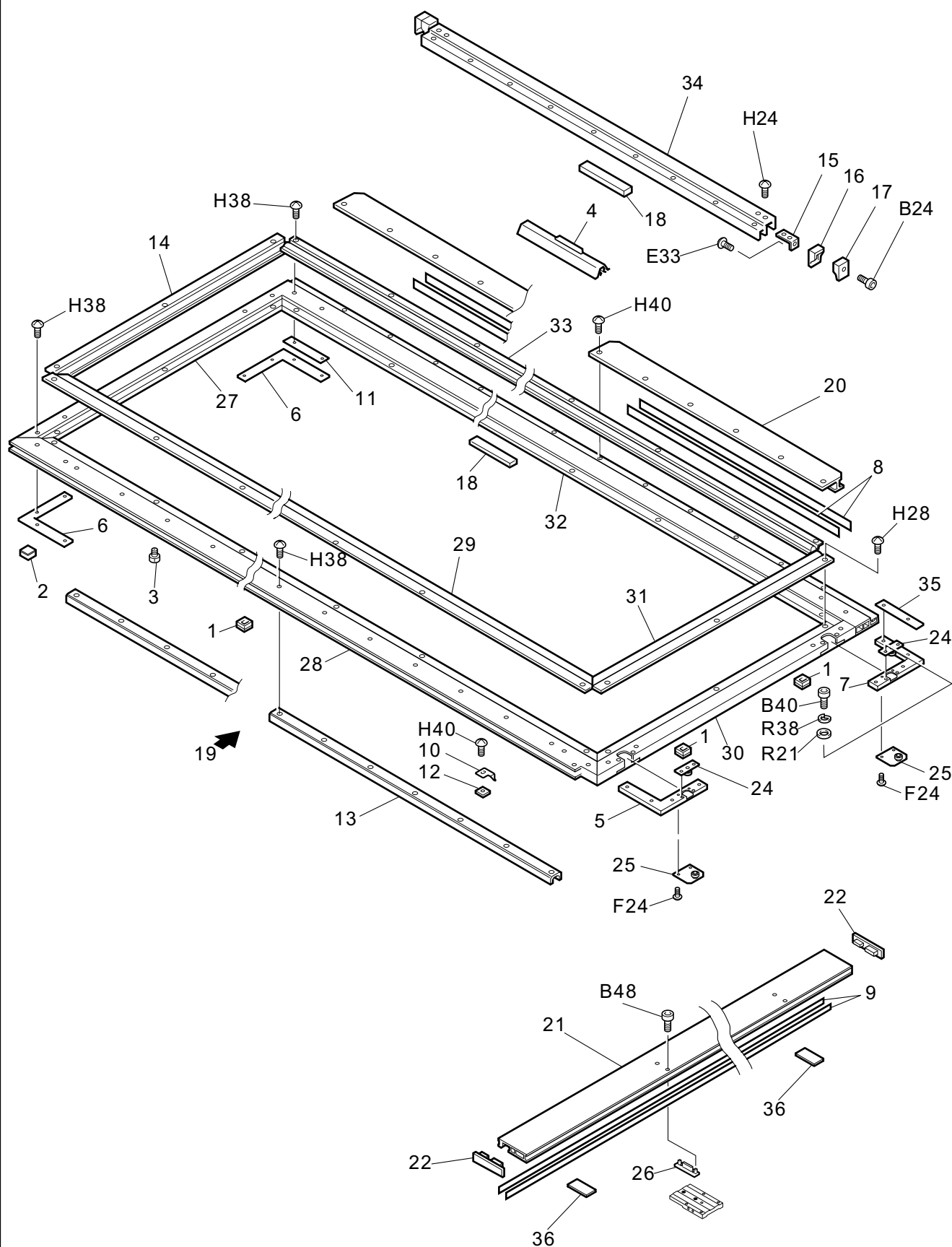
ED-15

| Ref.No. | Description                    | Part No.     | Remark        |
|---------|--------------------------------|--------------|---------------|
| 1       | Bar Switch Box                 | MS5800A00000 |               |
| 2       | Limit Switch                   | PB000100SP00 |               |
| 3       | Round Head Wood Screw          |              | 4.5P*20       |
| 4       | LS Dog                         | EF1104000000 |               |
| 5       | Truss Head Tapping Screw       |              | 4P*16         |
| 6       | Return Spring                  | EF1106000000 |               |
| 7       | Bushing                        | EF1107000000 |               |
| 8       | Bar Switch Support             | EF11080A**** |               |
| 9       | Switch Bar                     | EF110900**** |               |
| 10      | Bar Switch Box Attaching Plate | TC01060A0000 | For Table Cut |
| 11      | Bar Switch Support             | TC01040A0000 | For Table Cut |
| 12      | Side Cover Lid                 | EF1109200000 |               |
| 13      |                                |              |               |
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# TMFD EMBROIDERY FRAME

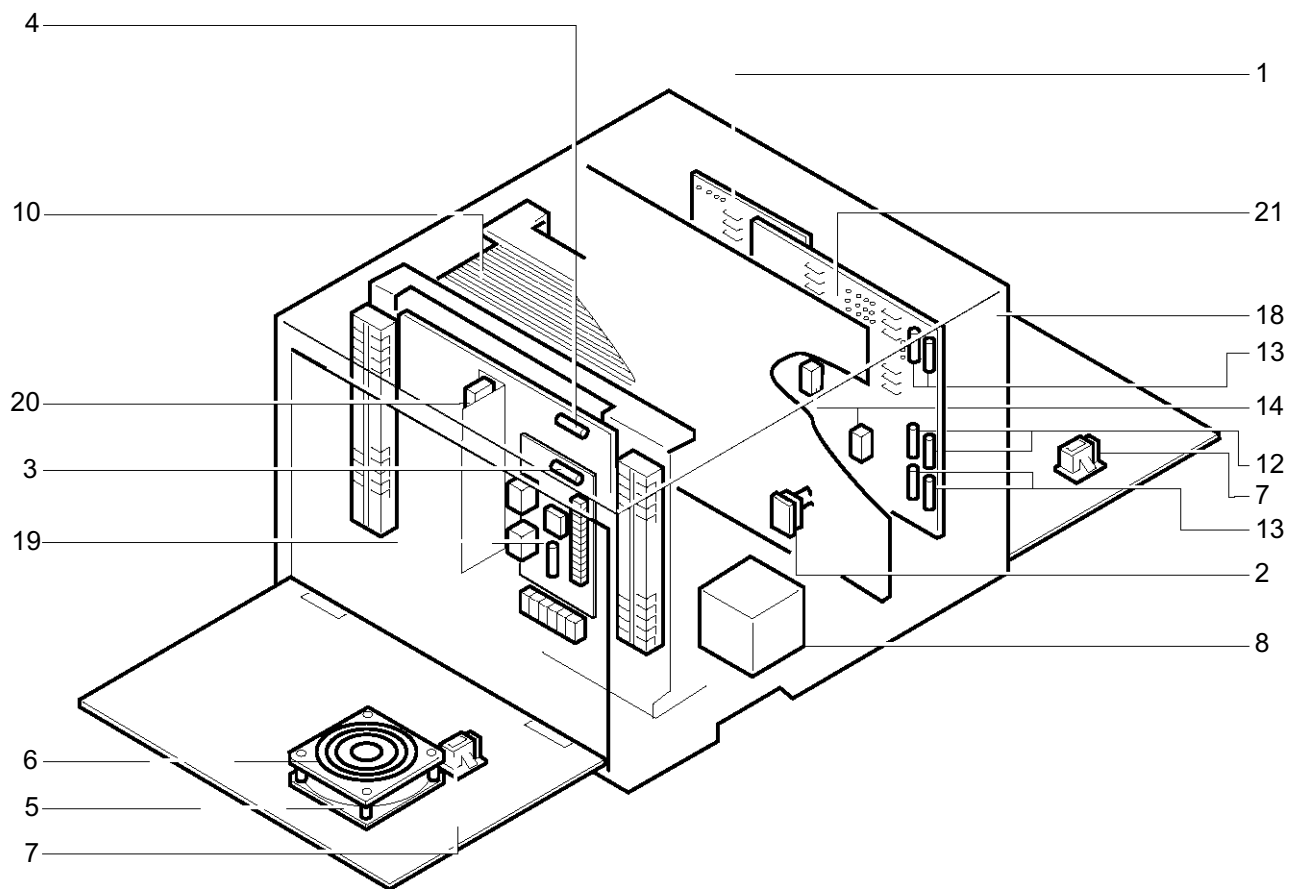
ED-16

| Ref.No. | Description                      | Part No.     | Remark            |
|---------|----------------------------------|--------------|-------------------|
| 1       | No.1 Cork Set                    | EG0321020000 |                   |
| 2       | No.3 Cork Set                    | EG0325010000 |                   |
| 3       | Screw Ring                       | EF0303000000 |                   |
| 4       | Border Frame Clip                | EG032600**** | For X-axis        |
| 4       | Border Frame Clip B              | MX0320B0**** | For Y-axis        |
| 5       | Right Corner B                   | DL0306000000 |                   |
| 6       | Left Corner                      | DL0311000000 |                   |
| 7       | Right Corner A                   | DL0305000000 |                   |
| 8       | Rail Plate, Crosswise            | MX031100**** |                   |
| 9       | Z-spec. Frame Sash Rail Plate    | ED030200**** |                   |
| 10      | Embroidery Space Indicator       | CTZ304000000 |                   |
| 11      | Spacer B                         | DL0310000000 |                   |
| 12      | Angle Pointer Fixing Spacer      | CTZ313000000 |                   |
| 13      | Frame Rail                       | EN030200**** |                   |
| 14      | Border Frame Lengthwise Sash L   | ED035600**** |                   |
| 15      | Inner Frame Attachment C         | EF0311000000 |                   |
| 16      | Inner Frame Attachment A         | EF0309000000 |                   |
| 17      | Inner Frame Attachment B         | EF0310000000 |                   |
| 18      | No.4 Felt                        | EG0317000000 |                   |
| 19      | Base Frame Sash Set              | ED0300S0**** |                   |
| 20      | Rear Frame Sash Rail             | MX030500**** |                   |
| 21      | Z-spec. Frame Sash               | ED030100**** |                   |
| 22      | XZ Frame Sash Cover, Front       | CTZ301000000 |                   |
| 24      | X-axis Connecting Bracket, Upper | CTZ308000000 |                   |
| 25      | X-axis Connecting Bracket, Lower | CTZ309000000 |                   |
| 26      | Reinforcing Sash Spacer          | CTZ303000000 |                   |
| 27      | Left Side Y-axis Frame Sash      | ED035100**** |                   |
| 28      | Front Sash                       | ED035200**** |                   |
| 29      | Border Frame Crosswise Sash      | ED035700**** |                   |
| 30      | Right Side Y-axis Frame Sash     | ED035000**** |                   |
| 31      | Border Frame Lengthwise Sash R   | ED035500**** |                   |
| 32      | Rear Sash                        | ED035300**** |                   |
| 33      | Border Frame Crosswise Sash B    | ED035800**** |                   |
| 34      | Middle Sash                      | ED035900**** |                   |
| 35      | Spacer A                         | DL0309000000 |                   |
| 36      | Sash Felt                        | ED0304000000 | Y:680mm or longer |
| 37      |                                  |              |                   |
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# TMFD POWER SUPPLY BOX

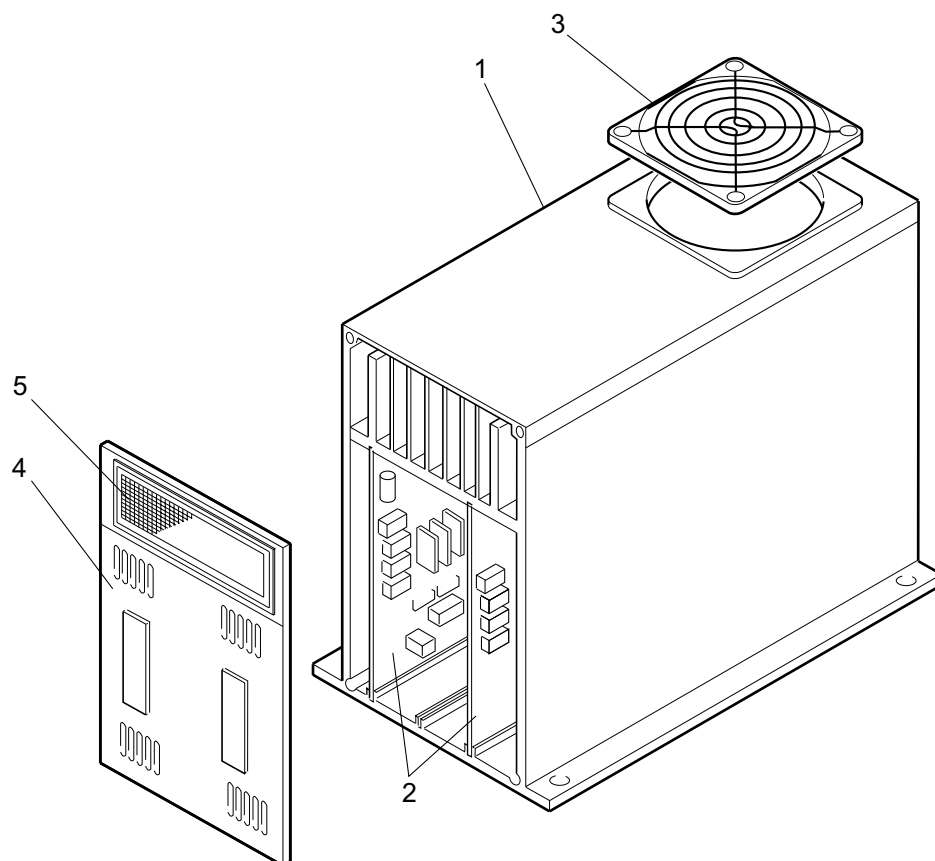
ED-17

| Ref.No. | Description                 | Part No.     | Remark |
|---------|-----------------------------|--------------|--------|
| 1       | IMM2 Card                   | ED5601010000 |        |
| 2       | Relay                       | PB000100KM00 |        |
| 3       | Glass Tube Fuse             | PA5002300000 |        |
| 4       | Glass Tube Fuse             | PA5002500000 |        |
| 5       | Fan                         | PB000100BF00 |        |
| 6       | Air Filter                  | PB000200ZM00 |        |
| 7       | Receptacle                  | PB000200PA00 |        |
| 8       | Automatic Voltage Regulator | PB002700PW00 |        |
| 10      | Transformer                 | PB005500TV00 |        |
| 12      | Glass Tube Fuse             | PA5002800000 |        |
| 13      | Glass Tube Fuse             | PA5052A00000 |        |
| 14      | Fuse                        | PA5062320000 |        |
| 18      | Power Supply Box            | ED5600070000 |        |
| 19      | Relay Unit                  | AT5400010000 |        |
| 20      | Brake Resistor              | PB001500RA00 |        |
| 21      | D-Joint 13 Card             | ED5605020000 |        |
| 22      |                             |              |        |
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# TMFD DRIVER BOX

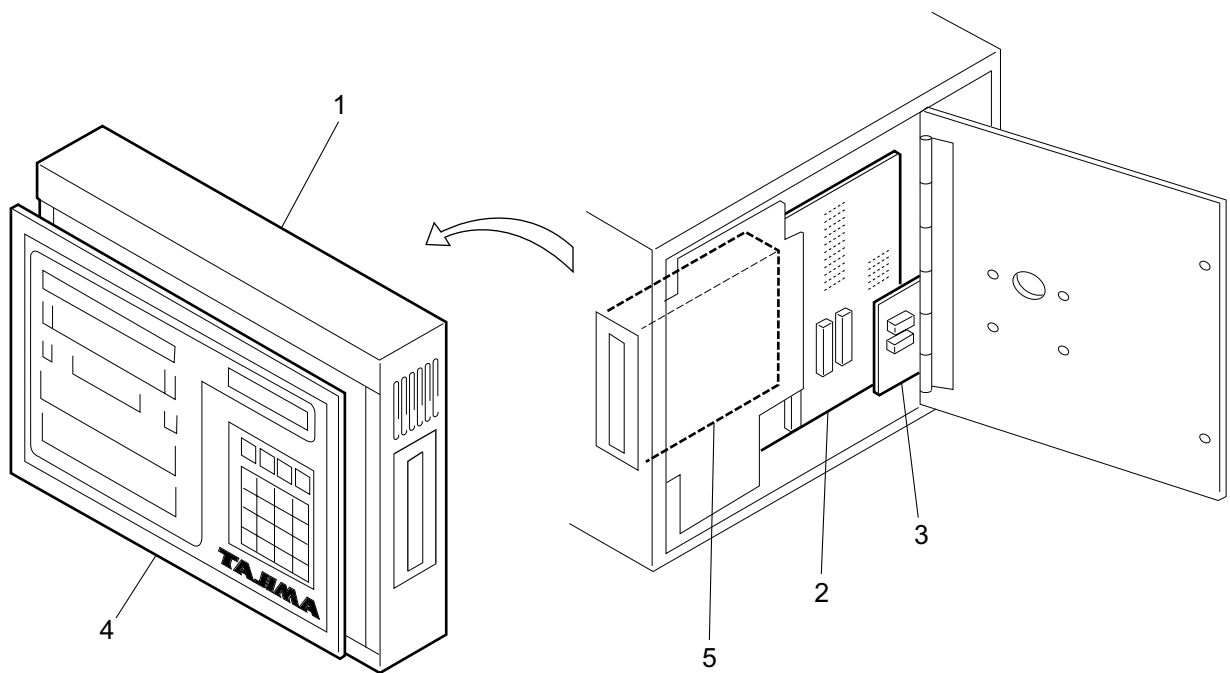
ED-18

| Ref.No. | Description            | Part No.     | Remark |
|---------|------------------------|--------------|--------|
| 1       | Driver Box             | EH5403A10000 |        |
| 2       | Driver Card (PC Board) | EH5404060000 |        |
| 3       | Fan                    | PB000700BF00 |        |
| 4       | Driver Box Front Panel | EH5405A00000 |        |
| 5       | Air Filter             | PB000600ZM00 |        |
| 6       |                        |              |        |
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# TMFD CONTROLLER BOX

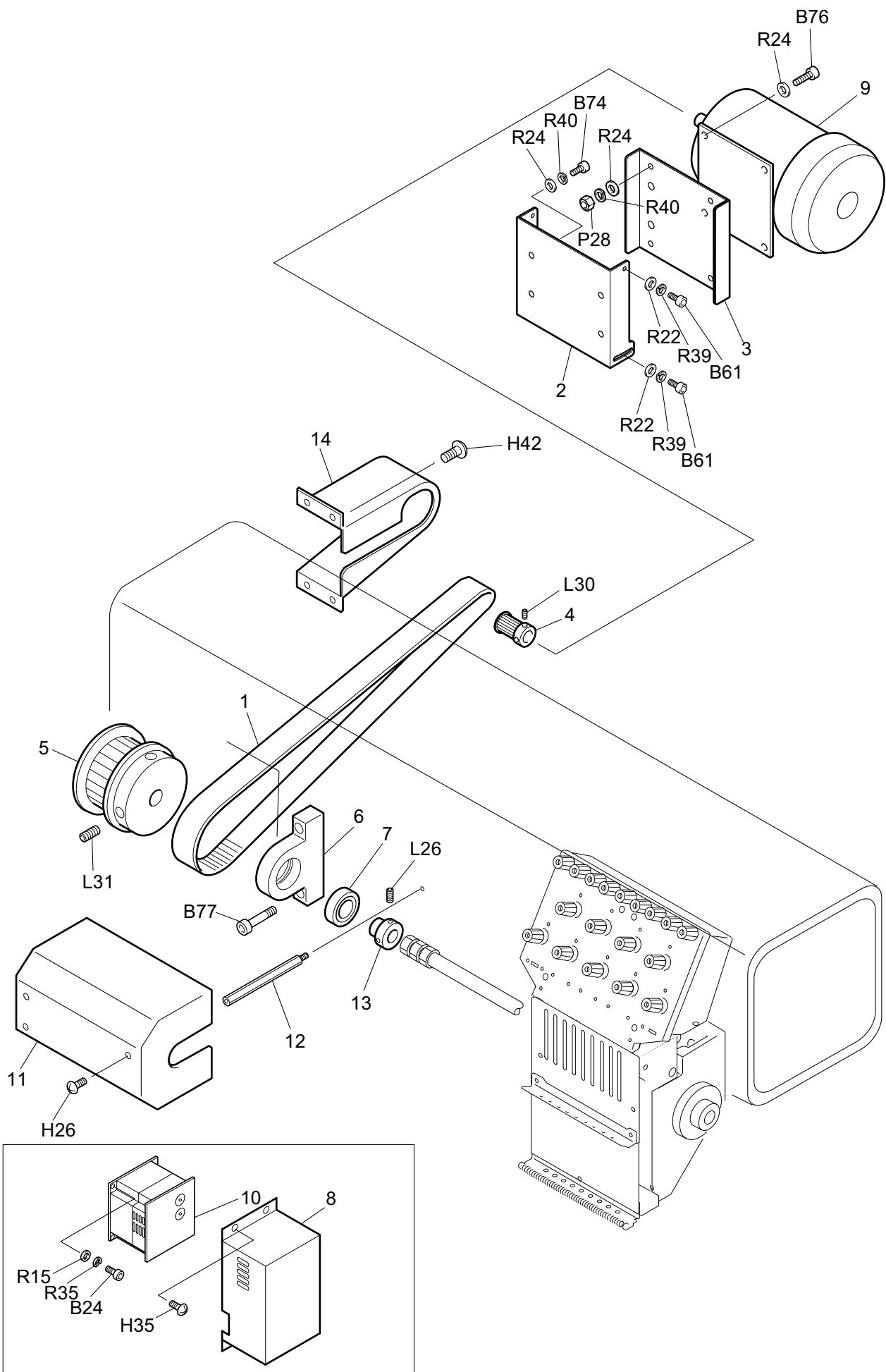
ED-19

| Ref.No. | Description              | Part No.      | Remark |
|---------|--------------------------|---------------|--------|
| 1       | Controller Box (English) | ED5104A000000 |        |
| 1       | Controller Box (Chinese) | ED5104B000000 |        |
| 2       | IDM2 Card                | ED51010200000 |        |
| 3       | D-Memory Card            | ED51020000000 |        |
| 4       | Panel Film (English)     | ED5105A000000 |        |
| 4       | Panel Film (Chinese)     | ED5105B000000 |        |
| 4       | Panel Film (Spanish)     | ED5105D000000 |        |
| 5       | Floppy Disk Drive        | PB000800RE00  |        |
| 6       |                          |               |        |
| 7       |                          |               |        |
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Note: As for parts with marks # or \*, please follow our instructions on Table of Contents in your parts order.

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# **TMFD MAIN SHAFT MOTOR A (M/C 4121-6245MM-)**

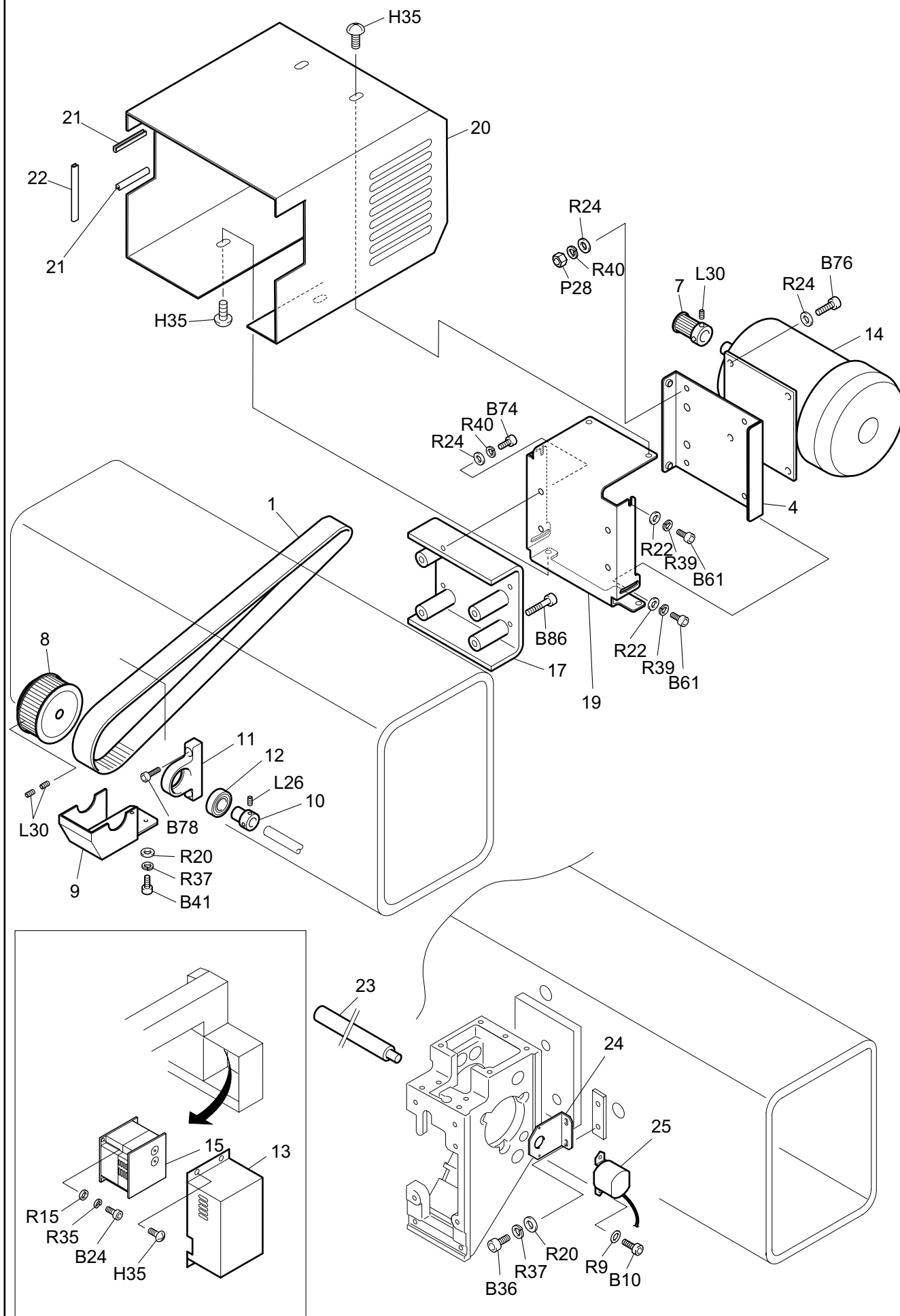
ED-20a

| Ref.No. | Description                   | Part No.     | Remark |
|---------|-------------------------------|--------------|--------|
| 1       | Timing Belt                   | BPS5M351000G |        |
| 2       | Main Shaft Motor Base A       | ED0159010000 |        |
| 3       | Main Shaft Motor Base B       | ED0160000000 |        |
| 4       | Main Shaft Motor Pulley       | ED0161000000 |        |
| 5       | Main Shaft Pulley             | ED0156000000 |        |
| 6       | No.2 Bearing Case             | ED0117000000 |        |
| 7       | Ball Bearing                  | BP6004ZZ0000 |        |
| 8       | Control Box Cover             | ED0169000000 |        |
| 9       | Main Shaft Motor              | ED6215010000 |        |
| 10      | Inverter                      | PB000100AD00 |        |
| 11      | Shaft Cover                   | ED015000**** |        |
| 12      | Shaft Cover Stud              | ED0152000000 |        |
| 13      | 15mm Dia. Bearing Case Collar | EF0106000000 |        |
| 14      | Main Shaft Belt Cover         | ED0167010000 |        |
| 15      |                               |              |        |
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Note: As for parts with marks # or \*, please follow our instructions on Table of Contents in your parts order.

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# **TMFD MAIN SHAFT MOTOR B (M/C 6246MM-)**

ED-20b

| Ref.No. | Description                  | Part No.     | Remark |
|---------|------------------------------|--------------|--------|
| 1       | Timing Belt                  | BPS5M351160G |        |
| 4       | Main Shaft Motor Base B      | ED0160000000 |        |
| 7       | Main Shaft Motor Pulley      | ED0161000000 |        |
| 8       | Main Shaft Pulley            | ED0156000000 |        |
| 9       | Main Shaft Cover             | ED0155000000 |        |
| 10      | Bearing Case Collar          | ED0118000000 |        |
| 11      | No.2 Bearing Case            | ED0117000000 |        |
| 12      | Ball Bearing                 | BP6004ZZ0000 |        |
| 13      | Control Box Cover            | ED0169000000 |        |
| 14      | Main Shaft Motor             | ED6215010000 |        |
| 15      | Inverter                     | PB000100AD00 |        |
| 17      | Main Shaft Motor Base        | ED0158010000 |        |
| 19      | Main Shaft Motor Base A      | EDG15900**** |        |
| 20      | Motor Cover                  | ED017500**** |        |
| 21      | Motor Cover Rubber Bushing A | ED0175A0**** |        |
| 22      | Motor Cover Rubber Bushing a | ED0175B0**** |        |
| 23      | Needle Bar Drive Shaft A     | EDG810A0**** |        |
| 24      | Encoder Attaching Bracket    | ED0850000000 |        |
| 25      | Rotary Encoder               | EF6600A00000 |        |
| 26      |                              |              |        |
| 27      |                              |              |        |
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Note: As for parts with marks # or \*, please follow our instructions on Table of Contents in your parts order.

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| No.          | Part No.                             | Remark                    | No.          | Part No.     | Remark    |
|--------------|--------------------------------------|---------------------------|--------------|--------------|-----------|
| <b>A</b>     | <b>Flat Fillister Head Screw</b>     |                           | <i>B 1 9</i> | SS6204080TD0 | M 4 × 8   |
| <i>A 1</i>   | SM15015450CN                         | 1 / 8 × 4 4 × 5           | <i>B 2 0</i> | SS6204080TN0 | M 4 × 8   |
| <i>A 2</i>   | SM15015460CN                         | 1 / 8 × 4 4 × 6           | <i>B 2 1</i> | SS6204100TD0 | M 4 × 1 0 |
| <i>A 3</i>   | SM16515530CN                         | 9 / 6 4 × 4 0 × 3         | <i>B 2 2</i> | SS6204100TN0 | M 4 × 1 0 |
| <i>A 4</i>   | SM14020540CN                         | 9 / 6 4 × 4 0 × 4         | <i>B 2 3</i> | SS6204120TN0 | M 4 × 1 2 |
| <i>A 5</i>   | SM16516540SA                         | 9 / 6 4 × 4 0 × 4         | <i>B 2 4</i> | SS6204150TN0 | M 4 × 1 5 |
| <i>A 6</i>   | SM17010540CN                         | 9 / 6 4 × 4 0 × 4         | <i>B 2 5</i> | SS6204180TN0 | M 4 × 1 8 |
| <i>A 7</i>   | SM1E515550CN                         | 9 / 6 4 × 4 0 × 5         | <i>B 2 6</i> | SS6204200TN0 | M 4 × 2 0 |
| <i>A 8</i>   | SM14020560CN                         | 9 / 6 4 × 4 0 × 6         | <i>B 2 7</i> | SS6204250TN0 | M 4 × 2 5 |
| <i>A 9</i>   | SM15525560CN                         | 9 / 6 4 × 4 0 × 6         | <i>B 2 8</i> | SS6204250TN1 | M 4 × 2 5 |
| <i>A 1 0</i> | SM15526570CN                         | 9 / 6 4 × 4 0 × 7         | <i>B 2 9</i> | SS6204300TN0 | M 4 × 3 0 |
| <i>A 1 1</i> | SM15020580CN                         | 9 / 6 4 × 4 0 × 8         | <i>B 3 0</i> | SS6204350TN0 | M 4 × 3 5 |
| <i>A 1 2</i> | SM15530580CN                         | 9 / 6 4 × 4 0 × 8         | <i>B 3 1</i> | SS6204400TN0 | M 4 × 4 0 |
| <i>A 1 3</i> | SM150205A0CN                         | 9 / 6 4 × 4 0 × 1 0       | <i>B 3 2</i> | SS6204450TN0 | M 4 × 4 5 |
| <i>A 1 4</i> | SM150205C0CN                         | 9 / 6 4 × 4 0 × 1 2       | <i>B 3 3</i> | SS6205060TN0 | M 5 × 6   |
| <i>A 1 5</i> | SM150205F0CN                         | 9 / 6 4 × 4 0 × 1 5       | <i>B 3 4</i> | SS6205080TN0 | M 5 × 8   |
| <i>A 1 6</i> | SM15422643TN                         | 1 1 / 6 4 × 4 0 × 4 . 3   | <i>B 3 5</i> | SS6205100TD0 | M 5 × 1 0 |
| <i>A 1 7</i> | SM17017670CN                         | 1 1 / 6 4 × 4 0 × 7       | <i>B 3 6</i> | SS6205100TN0 | M 5 × 1 0 |
| <i>A 1 8</i> | SM1C035675CN                         | 1 1 / 6 4 × 4 0 × 7 . 5   | <i>B 3 7</i> | SS6205100TP0 | M 5 × 1 0 |
| <i>A 1 9</i> | SM10825690SH                         | 1 1 / 6 4 × 4 0 × 9       | <i>B 3 8</i> | SS6205120TN0 | M 5 × 1 2 |
| <i>A 2 0</i> | SM146266B5CN                         | 1 1 / 6 4 × 4 0 × 1 1 . 5 | <i>B 3 9</i> | SS6205140TN0 | M 5 × 1 4 |
| <i>A 2 1</i> | SM172316C0CN                         | 1 1 / 6 4 × 4 0 × 1 2     | <i>B 4 0</i> | SS6205150TD0 | M 5 × 1 5 |
| <i>A 2 2</i> | SS6003080SC0                         | M 3 × 8                   | <i>B 4 1</i> | SS6205150TN0 | M 5 × 1 5 |
| <i>A 2 3</i> | SS6003080SD0                         | M 3 × 8                   | <i>B 4 2</i> | SS6205160TN0 | M 5 × 1 6 |
| <i>A 2 4</i> | SS6003100CC0                         | M 3 × 1 0                 | <i>B 4 3</i> | SS6205180TN0 | M 5 × 1 8 |
| <i>A 2 5</i> | SS6004100SC0                         | M 4 × 1 0                 | <i>B 4 4</i> | SS6205200TD0 | M 5 × 2 0 |
|              |                                      |                           | <i>B 4 5</i> | SS6205200TN0 | M 5 × 2 0 |
|              |                                      |                           | <i>B 4 6</i> | SS6205220TN0 | M 5 × 2 2 |
|              |                                      |                           | <i>B 4 7</i> | SS6205230TN0 | M 5 × 2 3 |
|              |                                      |                           | <i>B 4 8</i> | SS6205250TN0 | M 5 × 2 5 |
|              |                                      |                           | <i>B 4 9</i> | SS6205300TN0 | M 5 × 3 0 |
| <b>B</b>     | <b>Hexagon Socket Head Cap Screw</b> |                           | <i>B 5 0</i> | SS6205350TN0 | M 5 × 3 5 |
| <i>B 1</i>   | SS6202080TD0                         | M 2 × 8                   | <i>B 5 1</i> | SS6205350TN1 | M 5 × 3 5 |
| <i>B 2</i>   | SS6202100TD0                         | M 2 × 1 0                 | <i>B 5 2</i> | SS6205500TN0 | M 5 × 5 0 |
| <i>B 3</i>   | SS6276050TN0                         | M 2 . 6 × 5               | <i>B 5 3</i> | SS6205500TN1 | M 5 × 5 0 |
| <i>B 4</i>   | SS6203030TN0                         | M 3 × 3                   | <i>B 5 4</i> | SS6205550TN0 | M 5 × 5 5 |
| <i>B 5</i>   | SS6203040TN0                         | M 3 × 4                   | <i>B 5 5</i> | SS6205600TN0 | M 5 × 6 0 |
| <i>B 6</i>   | SS6203050TN0                         | M 3 × 5                   | <i>B 5 6</i> | SS6205600TN1 | M 5 × 6 0 |
| <i>B 7</i>   | SS6203060TN0                         | M 3 × 6                   | <i>B 5 7</i> | SS6206080TN0 | M 6 × 8   |
| <i>B 8</i>   | SS6203080TD0                         | M 3 × 8                   | <i>B 5 8</i> | SS6206090TN0 | M 6 × 9   |
| <i>B 9</i>   | SS6203080TN0                         | M 3 × 8                   | <i>B 5 9</i> | SS6206100TN0 | M 6 × 1 0 |
| <i>B 1 0</i> | SS6203100TN0                         | M 3 × 1 0                 | <i>B 6 0</i> | SS6206120TN0 | M 6 × 1 2 |
| <i>B 1 1</i> | SS6203120TN0                         | M 3 × 1 2                 | <i>B 6 1</i> | SS6206150TN0 | M 6 × 1 5 |
| <i>B 1 2</i> | SS6203150TN0                         | M 3 × 1 5                 | <i>B 6 2</i> | SS6206180TN0 | M 6 × 1 8 |
| <i>B 1 3</i> | SS6203160TN0                         | M 3 × 1 6                 | <i>B 6 3</i> | SS6206200TN0 | M 6 × 2 0 |
| <i>B 1 4</i> | SS6203180TN0                         | M 3 × 1 8                 | <i>B 6 4</i> | SS6206250TN0 | M 6 × 2 5 |
| <i>B 1 5</i> | SS6203200TN0                         | M 3 × 2 0                 | <i>B 6 5</i> | SS6206300TN0 | M 6 × 3 0 |
| <i>B 1 6</i> | SS6203250TN0                         | M 3 × 2 5                 | <i>B 6 6</i> | SS6206350TN0 | M 6 × 3 5 |
| <i>B 1 7</i> | SS6204050TN0                         | M 4 × 5                   | <i>B 6 7</i> | SS6206400TN0 | M 6 × 4 0 |
| <i>B 1 8</i> | SS6204060TN0                         | M 4 × 6                   | <i>B 6 8</i> | SS6206450TN0 | M 6 × 4 5 |

# B · C · D · E

| No.                                    | Part No.     | Remark     | No.                                 | Part No.     | Remark                  |
|----------------------------------------|--------------|------------|-------------------------------------|--------------|-------------------------|
| <b>B</b> Hexagon Socket Head Cap Screw |              |            |                                     |              |                         |
| B69                                    | SS6206450TN1 | M6 × 4 5   |                                     |              |                         |
| B70                                    | SS6206500TN1 | M6 × 5 0   |                                     |              |                         |
| B71                                    | SS6206650TN0 | M6 × 6 5   | <b>D</b> Round Fillister Head Screw |              |                         |
| B72                                    | SS6206800TN1 | M6 × 8 0   | D1                                  | SM66514540CL | 9 / 6 4 × 4 0 × 4       |
| B73                                    | SS6206A00TN0 | M6 × 1 0 0 | D2                                  | SM66015550CL | 9 / 6 4 × 4 0 × 5       |
| B74                                    | SS6208120TN0 | M8 × 1 2   | D3                                  | SM66015550CN | 9 / 6 4 × 4 0 × 5       |
| B75                                    | SS6208150TN0 | M8 × 1 5   | D4                                  | SM67018550CN | 9 / 6 4 × 4 0 × 5       |
| B76                                    | SS6208150TP0 | M8 × 1 5   | D5                                  | SM67020550CN | 9 / 6 4 × 4 0 × 5       |
| B77                                    | SS6208200TN0 | M8 × 2 0   | D6                                  | SM66015560CL | 9 / 6 4 × 4 0 × 6       |
| B78                                    | SS6208250TN0 | M8 × 2 5   | D7                                  | SM66015560CN | 9 / 6 4 × 4 0 × 6       |
| B79                                    | SS6208300TN0 | M8 × 3 0   | D8                                  | SM67020560CL | 9 / 6 4 × 4 0 × 6       |
| B80                                    | SS6208350TN0 | M8 × 3 5   | D9                                  | SM67020560CN | 9 / 6 4 × 4 0 × 6       |
| B81                                    | SS6208400TN0 | M8 × 4 0   | D10                                 | SM65817568CN | 9 / 6 4 × 4 0 × 6 . 8   |
| B82                                    | SS6208400TN1 | M8 × 4 0   | D11                                 | SM660255A0CN | 9 / 6 4 × 4 0 × 1 0     |
| B83                                    | SS6208450TN0 | M8 × 4 5   | D12                                 | SM670205C0CN | 9 / 6 4 × 4 0 × 1 2     |
| B84                                    | SS6208450TN1 | M8 × 4 5   | D13                                 | SM67015660CL | 1 1 / 6 4 × 4 0 × 6     |
| B85                                    | SS6208500TN0 | M8 × 5 0   | D14                                 | SM67010665CL | 1 1 / 6 4 × 4 0 × 6 . 5 |
| B86                                    | SS6208600TN0 | M8 × 6 0   | D15                                 | SM675306C0CN | 1 1 / 6 4 × 4 0 × 1 2   |
| B87                                    | SS6208750TN0 | M8 × 7 5   | D16                                 | SM675256F0CN | 1 1 / 6 4 × 4 0 × 1 5   |
| B88                                    | SS6210250TN0 | M1 0 × 2 5 | D17                                 | SM69065CQ5CN | 9 / 3 2 × 2 8 × 2 4 . 5 |
| B89                                    | SS6210300TN0 | M1 0 × 3 0 | D18                                 | SS7003050SD0 | M3 × 5                  |
| B90                                    | SS6210400TN0 | M1 0 × 4 0 |                                     |              |                         |
| B91                                    | SS6212300TN0 | M1 2 × 3 0 |                                     |              |                         |
|                                        |              |            |                                     |              |                         |
|                                        |              |            |                                     |              |                         |
|                                        |              |            |                                     |              |                         |
|                                        |              |            |                                     |              |                         |
|                                        |              |            | <b>E</b> Pan Head Screw             |              |                         |
|                                        |              |            | E1                                  | SS4164014MZ0 | M1 . 4 × 1 . 4          |
| <b>C</b> Hexagon Bolt                  |              |            | E2                                  | SS4102030MZ0 | M2 × 3                  |
| C1                                     | SS9303060SD0 | M3 × 6     | E3                                  | SS4102040MZ0 | M2 × 4                  |
| C2                                     | SS9304080SD0 | M4 × 8     | E4                                  | SS4102080MZ0 | M2 × 8                  |
| C3                                     | SS9305100SD0 | M5 × 1 0   | E5                                  | SS4175030MZ0 | M2 . 5 × 3              |
| C4                                     | SS9305150SC0 | M5 × 1 5   | E6                                  | SS4175040MZ0 | M2 . 5 × 4              |
| C5                                     | SS9305150SD0 | M5 × 1 5   | E7                                  | SS4175050MZ0 | M2 . 5 × 5              |
| C6                                     | SS9305200SD0 | M5 × 2 0   | E8                                  | SS4175080MZ0 | M2 . 5 × 8              |
| C7                                     | SS9306150SC0 | M6 × 1 5   | E9                                  | SS4175130MZ0 | M2 . 5 × 1 3            |
| C8                                     | SS9306450SD0 | M6 × 4 5   | E10                                 | SS4175130SD0 | M2 . 5 × 1 3            |
| C9                                     | SS9306500SC0 | M6 × 5 0   | E11                                 | SS4103030MZ0 | M3 × 3                  |
| C10                                    | SS9306500SD0 | M6 × 5 0   | E12                                 | SS4103030SD0 | M3 × 3                  |
| C11                                    | SS9306550SD0 | M6 × 5 5   | E13                                 | SS4103040CD0 | M3 × 4                  |
| C12                                    | SS9306650SD0 | M6 × 6 5   | E14                                 | SS4103040MZ0 | M3 × 4                  |
| C13                                    | SS9306750SC0 | M6 × 7 5   | E15                                 | SS4103040SD0 | M3 × 4                  |
| C14                                    | SS9308150TN0 | M8 × 1 5   | E16                                 | SS4103050MZ0 | M3 × 5                  |
| C15                                    | SS9310300TN0 | M1 0 × 3 0 | E17                                 | SS4103050SD0 | M3 × 5                  |
| C16                                    | SS9310350SC0 | M1 0 × 3 5 | E18                                 | SS4103060MZ0 | M3 × 6                  |
| C17                                    | SS9310350TN0 | M1 0 × 3 5 | E19                                 | SS4103060SA0 | M3 × 6                  |
| C18                                    | SS9310400SC1 | M1 0 × 4 0 | E20                                 | SS4103060SD0 | M3 × 6                  |
| C19                                    | SS9312500TN0 | M1 2 × 5 0 | E21                                 | SS4103080MZ0 | M3 × 8                  |
|                                        |              |            | E22                                 | SS4103080SA0 | M3 × 8                  |

| No.          | Part No.               | Remark              | No.          | Part No.                     | Remark                |
|--------------|------------------------|---------------------|--------------|------------------------------|-----------------------|
| <i>E</i>     | Psn Head Screw         |                     | <i>F 1 5</i> | SS1103080SNO                 | M 3 × 8               |
| <i>E 2 3</i> | SS4103080SD0           | M 3 × 8             | <i>F 1 6</i> | SS1103100SD0                 | M 3 × 1 0             |
| <i>E 2 4</i> | SS4103100SC1           | M 3 × 1 0           | <i>F 1 7</i> | SS1103120MZ0                 | M 3 × 1 2             |
| <i>E 2 5</i> | SS4103100SD0           | M 3 × 1 0           | <i>F 1 8</i> | SS1103120SD0                 | M 3 × 1 2             |
| <i>E 2 6</i> | SS4103120SD0           | M 3 × 1 2           | <i>F 1 9</i> | SS1103150MZ0                 | M 3 × 1 5             |
| <i>E 2 7</i> | SS4103140SA0           | M 3 × 1 4           | <i>F 2 0</i> | SS1103160SD0                 | M 3 × 1 6             |
| <i>E 2 8</i> | SS4103140SD0           | M 3 × 1 4           | <i>F 2 1</i> | SS1104050SD0                 | M 4 × 5               |
| <i>E 2 9</i> | SS4103150SD0           | M 3 × 1 5           | <i>F 2 2</i> | SS1104060SD0                 | M 4 × 6               |
| <i>E 3 0</i> | SS4103400SD1           | M 3 × 4 0           | <i>F 2 3</i> | SS1104080MZ0                 | M 4 × 8               |
| <i>E 3 1</i> | SS4103500SD1           | M 3 × 5 0           | <i>F 2 4</i> | SS1104080SD0                 | M 4 × 8               |
| <i>E 3 2</i> | SS4104040SD0           | M 4 × 4             | <i>F 2 5</i> | SS1104100MZ0                 | M 4 × 1 0             |
| <i>E 3 3</i> | SS4104050SD0           | M 4 × 5             | <i>F 2 6</i> | SS1104100SD0                 | M 4 × 1 0             |
| <i>E 3 4</i> | SS4104060MZ0           | M 4 × 6             | <i>F 2 7</i> | SS1104120SD0                 | M 4 × 1 2             |
| <i>E 3 5</i> | SS4104060SD0           | M 4 × 6             | <i>F 2 8</i> | SS1104140SD0                 | M 4 × 1 4             |
| <i>E 3 6</i> | SS4104080SD0           | M 4 × 8             | <i>F 2 9</i> | SS1104150SD0                 | M 4 × 1 5             |
| <i>E 3 7</i> | SS4104100SD0           | M 4 × 1 0           | <i>F 3 0</i> | SS1104200SD0                 | M 4 × 2 0             |
| <i>E 3 8</i> | SS4104120SD0           | M 4 × 1 2           | <i>F 3 1</i> | SS1104220SD0                 | M 4 × 2 2             |
| <i>E 3 9</i> | SS4104150SD0           | M 4 × 1 5           | <i>F 3 2</i> | SS1104250SD0                 | M 4 × 2 5             |
| <i>E 4 0</i> | SS4104180SD0           | M 4 × 1 8           | <i>F 3 3</i> | SS1105060SD0                 | M 5 × 6               |
| <i>E 4 1</i> | SS4104500SD0           | M 4 × 5 0           | <i>F 3 4</i> | SS1105080SD0                 | M 5 × 8               |
| <i>E 4 2</i> | SS4104600SD1           | M 4 × 6 0           | <i>F 3 5</i> | SS1105100SD0                 | M 5 × 1 0             |
| <i>E 4 3</i> | SS4105060SD0           | M 5 × 6             | <i>F 3 6</i> | SS1105120SD0                 | M 5 × 1 2             |
| <i>E 4 4</i> | SS4105070SD0           | M 5 × 7             | <i>F 3 7</i> | SS1105150SD0                 | M 5 × 1 5             |
| <i>E 4 5</i> | SS4105080SD0           | M 5 × 8             | <i>F 3 8</i> | SS1105300SD0                 | M 5 × 3 0             |
| <i>E 4 6</i> | SS4105100MZ0           | M 5 × 1 0           | <i>F 3 9</i> | SS1105350SD0                 | M 5 × 3 5             |
| <i>E 4 7</i> | SS4105100SD0           | M 5 × 1 0           | <i>F 4 0</i> | SS1106150SC0                 | M 6 × 1 5             |
| <i>E 4 8</i> | SS4105120SD0           | M 5 × 1 2           | <i>F 4 1</i> | SS1106150SD0                 | M 6 × 1 5             |
| <i>E 4 9</i> | SS4105300SD1           | M 5 × 1 2           | <i>F 4 2</i> | SS1106350SD0                 | M 6 × 3 5             |
| <i>E 5 0</i> | SS4105500SD1           | M 5 × 5 0           | <i>F 4 3</i> | SS1108120SD0                 | M 8 × 1 2             |
| <i>E 5 1</i> | SS4105600SD1           | M 5 × 6 0           | <i>F 4 4</i> | SS1108700TNO                 | M 8 × 7 0             |
|              |                        |                     |              |                              |                       |
|              |                        |                     |              |                              |                       |
|              |                        |                     |              |                              |                       |
|              |                        |                     |              |                              |                       |
|              |                        |                     |              |                              |                       |
|              |                        |                     |              |                              |                       |
| <i>F</i>     | Countersunk Head Screw |                     | <i>G</i>     | Round Countersunk Head Screw |                       |
| <i>F 1</i>   | SMA55005A0CN           | 9 / 6 4 × 4 0 × 1 0 | <i>G 1</i>   | SMC5000460CL                 | 1 / 8 × 4 4 × 6       |
| <i>F 2</i>   | SMB7000680CN           | 1 1 / 6 4 × 4 0 × 8 | <i>G 2</i>   | SMC5000530CL                 | 9 / 6 4 × 4 0 × 3     |
| <i>F 3</i>   | SS1102060SD0           | M 2 × 6             | <i>G 3</i>   | SMC5000535CL                 | 9 / 6 4 × 4 0 × 3 . 5 |
| <i>F 4</i>   | SS1103040MZ0           | M 3 × 4             | <i>G 4</i>   | SMC5000540CL                 | 9 / 6 4 × 4 0 × 4     |
| <i>F 5</i>   | SS1103040SD0           | M 3 × 4             | <i>G 5</i>   | SMC5000560CL                 | 9 / 6 4 × 4 0 × 6     |
| <i>F 6</i>   | SS1103050SD0           | M 3 × 5             | <i>G 6</i>   | SMC5000570CL                 | 9 / 6 4 × 4 0 × 7     |
| <i>F 7</i>   | SS1003060SD0           | M 3 × 6             | <i>G 7</i>   | SMC5000595CL                 | 9 / 6 4 × 4 0 × 9 . 5 |
| <i>F 8</i>   | SS1103060MZ0           | M 3 × 6             |              |                              |                       |
| <i>F 9</i>   | SS1103060SD0           | M 3 × 6             |              |                              |                       |
| <i>F 1 0</i> | SS1103070SD0           | M 3 × 7             |              |                              |                       |
| <i>F 1 1</i> | SS1003080SD0           | M 3 × 8             |              |                              |                       |
| <i>F 1 2</i> | SS1103080MZ0           | M 3 × 8             |              |                              |                       |
| <i>F 1 3</i> | SS1103080SC0           | M 3 × 8             | <i>H</i>     | Truss Head Screw             |                       |
| <i>F 1 4</i> | SS1103080SD0           | M 3 × 8             | <i>H 1</i>   | SMF6016470CL                 | 1 / 8 × 4 4 × 7       |

# H · J · K · L

| No.      | Part No.         | Remark                | No.      | Part No.                      | Remark                  |
|----------|------------------|-----------------------|----------|-------------------------------|-------------------------|
| <b>H</b> | Truss Head Screw |                       |          |                               |                         |
| H2       | SMF8020530CL     | 9 / 6 4 × 4 0 × 3 . 5 |          |                               |                         |
| H3       | SMF8020540CL     | 9 / 6 4 × 4 0 × 4     |          |                               |                         |
| H4       | SME9510540CM     | 9 / 6 4 × 4 0 × 4     |          |                               |                         |
| H5       | SMF8020560CL     | 9 / 6 4 × 4 0 × 6     |          |                               |                         |
| H6       | SMF8020580CL     | 9 / 6 4 × 4 0 × 8     | <b>J</b> | Round Head Screw              |                         |
| H7       | SS0175030MZ0     | M 2 . 5 × 3           | J 1      | SS3102030MZ0                  | M 2 × 3                 |
| H8       | SS0175030SD0     | M 2 . 5 × 3           | J 2      | SS3103080SD0                  | M 3 × 8                 |
| H9       | SS0175040MZ0     | M 2 . 5 × 4           | J 3      | SS3103080SE0                  | M 3 × 8                 |
| H1 0     | SS0175040SA0     | M 2 . 5 × 4           | J 4      | SS3103100MZ0                  | M 3 × 1 0               |
| H1 1     | SS0175040SD0     | M 2 . 5 × 4           |          |                               |                         |
| H1 2     | SS0103030MZ0     | M 3 × 3               |          |                               |                         |
| H1 3     | SS0103040SD0     | M 3 × 4               |          |                               |                         |
| H1 4     | SS0103050MZ0     | M 3 × 5               |          |                               |                         |
| H1 5     | SS0103050SD0     | M 3 × 5               |          |                               |                         |
| H1 6     | SS0103060MZ0     | M 3 × 6               | <b>K</b> | Slotted Set Screw             |                         |
| H1 7     | SS0103060SD0     | M 3 × 6               | K1       | SMK0000435CN                  | 1 / 8 × 4 4 × 3 . 5     |
| H1 8     | SS0103060SA0     | M 3 × 6               | K2       | SMK0000560CN                  | 9 / 6 4 × 4 0 × 6       |
| H1 9     | SS0103080SD0     | M 3 × 8               | K3       | SMK0000625CN                  | 1 1 / 6 4 × 4 0 × 2 . 5 |
| H2 0     | SS0103080SA0     | M 3 × 8               | K4       | SMK0000635CN                  | 1 1 / 6 4 × 4 0 × 3 . 5 |
| H2 1     | SS0103100MZ0     | M 3 × 1 0             | K5       | SMK0000640CN                  | 1 1 / 6 4 × 4 0 × 4     |
| H2 2     | SS0103100SD0     | M 3 × 1 0             | K6       | SMK0000650CN                  | 1 1 / 6 4 × 4 0 × 5     |
| H2 3     | SS0103200SD0     | M 3 × 2 0             | K7       | SMK0000A50CN                  | 1 5 / 6 4 × 2 8 × 5     |
| H2 4     | SS0104050SD0     | M 4 × 5               | K8       | SMK0000AA0CN                  | 1 5 / 6 4 × 2 8 × 1 0   |
| H2 5     | SS0104060MZ0     | M 4 × 6               | K9       | SMK0000AF0CN                  | 1 5 / 6 4 × 2 8 × 1 5   |
| H2 6     | SS0104060SD0     | M 4 × 6               | K1 0     | SMK0000AH0CN                  | 1 5 / 6 4 × 2 8 × 1 7   |
| H2 7     | SS0104080MZ0     | M 4 × 8               | K1 1     | SMK0000B40CN                  | 1 / 4 × 4 0 × 4         |
| H2 8     | SS0104080SD0     | M 4 × 8               | K1 2     | SMK0000B45CN                  | 1 / 4 × 4 0 × 4 . 5     |
| H2 9     | SS0104080SD2     | M 4 × 8               | K1 3     | SMK0000B50CN                  | 1 / 4 × 4 0 × 5         |
| H3 0     | SS0104100MZ0     | M 4 × 1 0             | K1 4     | SMK0000B60CN                  | 1 / 4 × 4 0 × 6         |
| H3 1     | SS0104100SD0     | M 4 × 1 0             | K1 5     | SMK0000B80CN                  | 1 / 4 × 4 0 × 8         |
| H3 2     | SS0104120SD0     | M 4 × 1 2             | K1 6     | SMK0000CC0CN                  | 9 / 3 2 × 2 8 × 1 2     |
| H3 3     | SS0104150SD0     | M 4 × 1 5             | K1 7     | SS8005060TN0                  | M 5 × 6                 |
| H3 4     | SS0104200SD0     | M 4 × 2 0             |          |                               |                         |
| H3 5     | SS0105050SD0     | M 5 × 5               |          |                               |                         |
| H3 6     | SS0105060SD0     | M 5 × 6               |          |                               |                         |
| H3 7     | SS0105070SD0     | M 5 × 7               |          |                               |                         |
| H3 8     | SS0105080SD0     | M 5 × 8               |          |                               |                         |
| H3 9     | SS0105100CB0     | M 5 × 1 0             | <b>L</b> | Hexagon Socket Head Set Screw |                         |
| H4 0     | SS0105100SD0     | M 5 × 1 0             | L 1      | SMJ0000420CN                  | 1 / 8 × 4 4 × 2         |
| H4 1     | SS0105120SD0     | M 5 × 1 2             | L 2      | SMJ0000640CN                  | 1 1 / 6 4 × 4 0 × 4     |
| H4 2     | SS0105150SD0     | M 5 × 1 5             | L 3      | SMJ0000660CN                  | 1 1 / 6 4 × 4 0 × 6     |
| H4 3     | SS0105200SD0     | M 5 × 2 0             | L 4      | SMJ0000680CN                  | 1 1 / 6 4 × 4 0 × 8     |
| H4 4     | SS0105250SD0     | M 5 × 2 5             | L 5      | SS8203020TN0                  | M 3 × 2                 |
| H4 5     | SS0106080SD0     | M 6 × 8               | L 6      | SS8203030TN0                  | M 3 × 3                 |
| H4 6     | SS0106100SD0     | M 6 × 1 0             | L 7      | SS8203040TN0                  | M 3 × 4                 |
| H4 7     | SS0106220SD0     | M 6 × 2 2             | L 8      | SS8203050TN0                  | M 3 × 5                 |
| H4 8     | SS0106250SD0     | M 6 × 2 5             | L 9      | SS8203060TN0                  | M 3 × 6                 |
| H4 9     | SS0106350SD0     | M 6 × 3 5             | L 1 0    | SS8204030TN0                  | M 4 × 3                 |
| H5 0     | SS0106400SD0     | M 6 × 4 0             | L 1 1    | SS8204040TN0                  | M 4 × 4                 |

# L · M · N · P · R

| No.      | Part No.                         | Remark    | No.      | Part No.     | Remark                   |
|----------|----------------------------------|-----------|----------|--------------|--------------------------|
| <b>L</b> | Hexagon Socket Head Set Screw    |           |          |              |                          |
| L 1 2    | SS8204050TN0                     | M 4 × 5   | <b>P</b> | Nut          |                          |
| L 1 3    | SS8204060TN0                     | M 4 × 6   | P 1      | SMN046030CNO | 1 / 8 × 4 4 × 6 × 3      |
| L 1 4    | SS8204060TN1                     | M 4 × 6   | P 2      | SMN056030CNO | 9 / 6 4 × 4 0 × 6 × 3    |
| L 1 5    | SS8204080TN0                     | M 4 × 8   | P 3      | SMN066020CNO | 1 1 / 6 4 × 4 0 × 6 × 2  |
| L 1 6    | SS8204100TN0                     | M 4 × 1 0 | P 4      | SMN066030CNO | 1 1 / 6 4 × 4 0 × 6 × 3  |
| L 1 7    | SS8204120TN0                     | M 4 × 1 2 | P 5      | SMN067030CNO | 1 1 / 6 4 × 4 0 × 7 × 3  |
| L 1 8    | SS8205040TN0                     | M 5 × 4   | P 6      | SMN167030CNO | 1 1 / 6 4 × 4 0 × 7 × 3  |
| L 1 9    | SS8205050TN0                     | M 5 × 5   | P 7      | SSN002SD0000 | M2 Type 1                |
| L 2 0    | SS8205060TN0                     | M 5 × 6   | P 8      | SSN075MZ0000 | M2.5 Typr 1              |
| L 2 1    | SS8205080TN0                     | M 5 × 8   | P 9      | SSN003MZ0000 | M3 Type 1                |
| L 2 2    | SS8205100TN0                     | M 5 × 1 0 | P 1 0    | SSN003SC0000 | M3 Type 1                |
| L 2 3    | SS8205120TN0                     | M 5 × 1 2 | P 1 1    | SSN003SD0000 | M3 Type 1                |
| L 2 4    | SS8205150TN0                     | M 5 × 1 5 | P 1 2    | SSN403SD0000 | M3 Thumbscrew Type 2     |
| L 2 5    | SS8206050TN0                     | M 6 × 5   | P 1 3    | SSN203SC0000 | M3 Type 3                |
| L 2 6    | SS8206060TN0                     | M 6 × 6   | P 1 4    | SSN285SC0000 | M3.5 Type 3              |
| L 2 7    | SS8206080TN0                     | M 6 × 8   | P 1 5    | SSN004SC0000 | M4 Type 1                |
| L 2 8    | SS8206100TN0                     | M 6 × 1 0 | P 1 6    | SSN004SD0000 | M4 Type 1                |
| L 2 9    | SS8206180TN0                     | M 6 × 1 8 | P 1 7    | SSN204SC0000 | M4 Type 3                |
| L 3 0    | SS8208080TN0                     | M 8 × 8   | P 1 8    | SSN204SD0000 | M4 Type 3                |
| L 3 1    | SS8208100TN0                     | M 8 × 1 0 | P 1 9    | SSN005SC0000 | M5 Type 1                |
| L 3 2    | SS8208150TN0                     | M 8 × 1 5 | P 2 0    | SSN005SD0000 | M5 Type 1                |
|          |                                  |           | P 2 1    | SSN205SC0000 | M5 Type 3                |
|          |                                  |           | P 2 2    | SSN205SD0000 | M5 Type 3                |
|          |                                  |           | P 2 3    | SSN605SD0000 | M5 Cap Screw             |
|          |                                  |           | P 2 4    | SSN006SC0000 | M6 Type 1                |
|          |                                  |           | P 2 5    | SSN006SC1000 | M6 Type 1 (Left)         |
| <b>M</b> | Hexagon Socket Head Button Screw |           | P 2 6    | SSN006SD0000 | M6 Type 1                |
| M 1      | SS3203050SC0                     | M 3 × 5   | P 2 7    | SSN206SC0000 | M6 Type 3                |
| M 2      | SS3204060SC0                     | M 4 × 6   | P 2 8    | SSN008SC0000 | M8 Type 1                |
| M 3      | SS3205100SC0                     | M 5 × 1 0 | P 2 9    | SSN208SC0000 | M8 Type 3                |
|          |                                  |           | P 3 0    | SSN010SC0000 | M10 Type 1               |
|          |                                  |           | P 3 1    | SSN710CD0000 | M10 with Flange          |
|          |                                  |           | P 3 2    | SSN710SC0000 | M10 with Flange          |
|          |                                  |           | P 3 3    | SSN012SC0000 | M12 Type 1               |
|          |                                  |           | P 3 4    | SSN212SC0000 | M12 Type 3               |
| <b>N</b> | Screw with Washer                |           | P 3 5    | SSN216SC0000 | M16 Type 3               |
| N 1      | SSA003080000                     | M 3 × 8   | P 3 6    | SSN020SC0000 | M20 Type 1               |
| N 2      | SSA003180000                     | M 3 × 1 8 |          |              |                          |
| N 3      | SSA004080000                     | M 4 × 8   |          |              |                          |
| N 4      | SSA004100000                     | M 4 × 1 0 |          |              |                          |
| N 5      | SSA004550000                     | M 4 × 5 5 |          |              |                          |
| N 6      | SSA005100000                     | M 5 × 1 0 | <b>R</b> | Washer       |                          |
| N 7      | SSA005120000                     | M 5 × 1 2 | R 1      | WSP640303MZ0 | Plain M1.4 × 3 × 0.3 t   |
| N 8      | SSA005140000                     | M 5 × 1 4 | R 2      | WSP023505XZ0 | Plain M2 × 3.5 × 0.5 t   |
| N 9      | SSA005180000                     | M 5 × 1 8 | R 3      | WSP767505XB0 | Plain M2.6 × 7.5 × 0.5 t |
|          |                                  |           | R 4      | WSP036003XZ0 | Plain M3 × 6 × 0.3 t     |
|          |                                  |           | R 5      | WSP036005SC0 | Plain M3 × 6 × 0.5 t     |
|          |                                  |           | R 6      | WSP037005SD0 | Plain M3 × 7 × 0.5 t     |
|          |                                  |           | R 7      | WSP038003SD0 | Plain M3 × 8 × 0.3 t     |

$$R$$
[illegible]