

# **PARTS LIST**

## **TMFX IV**

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

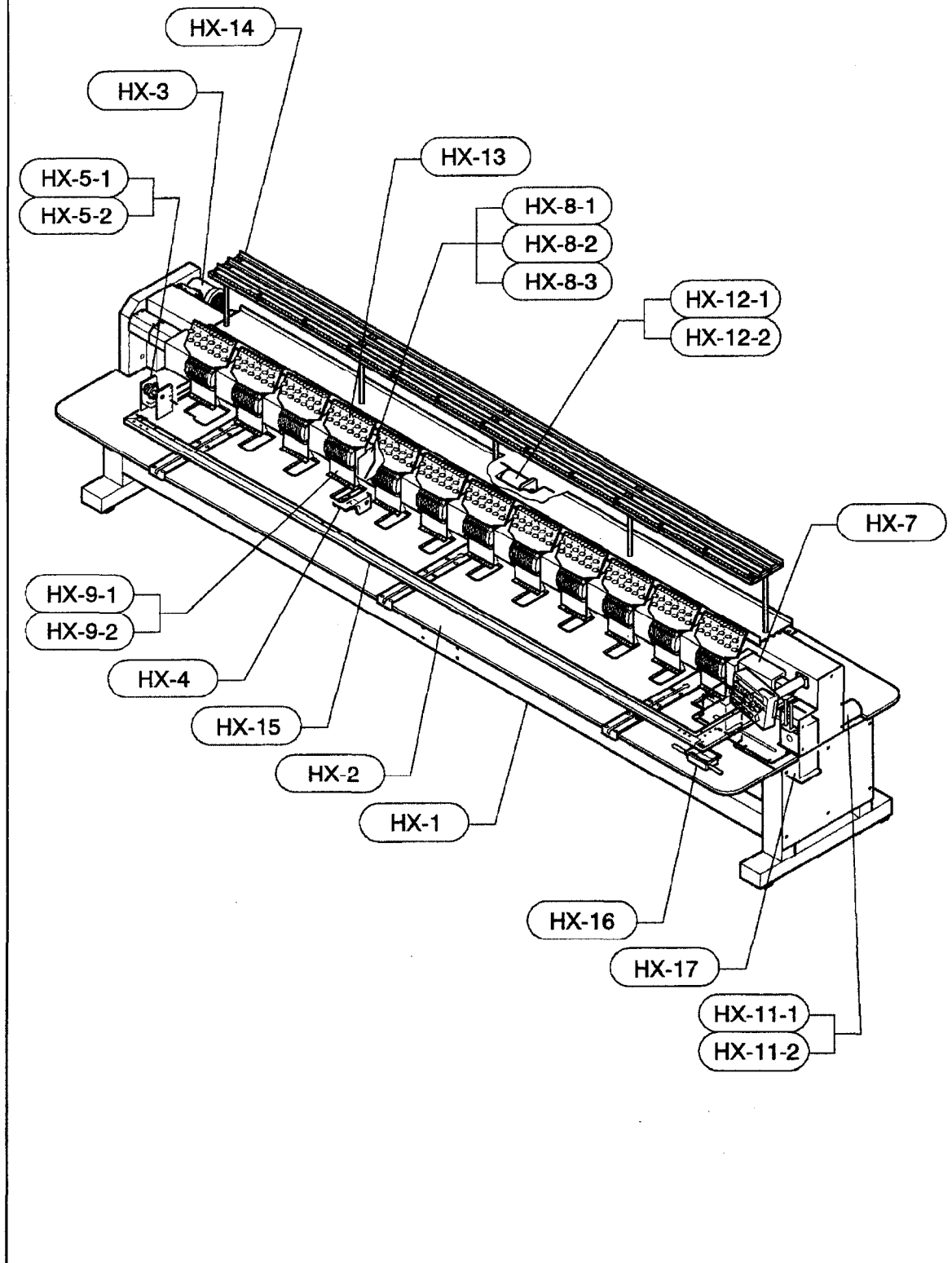
## [Explanation of Marks #'s and \*'s at End of Part No.1]

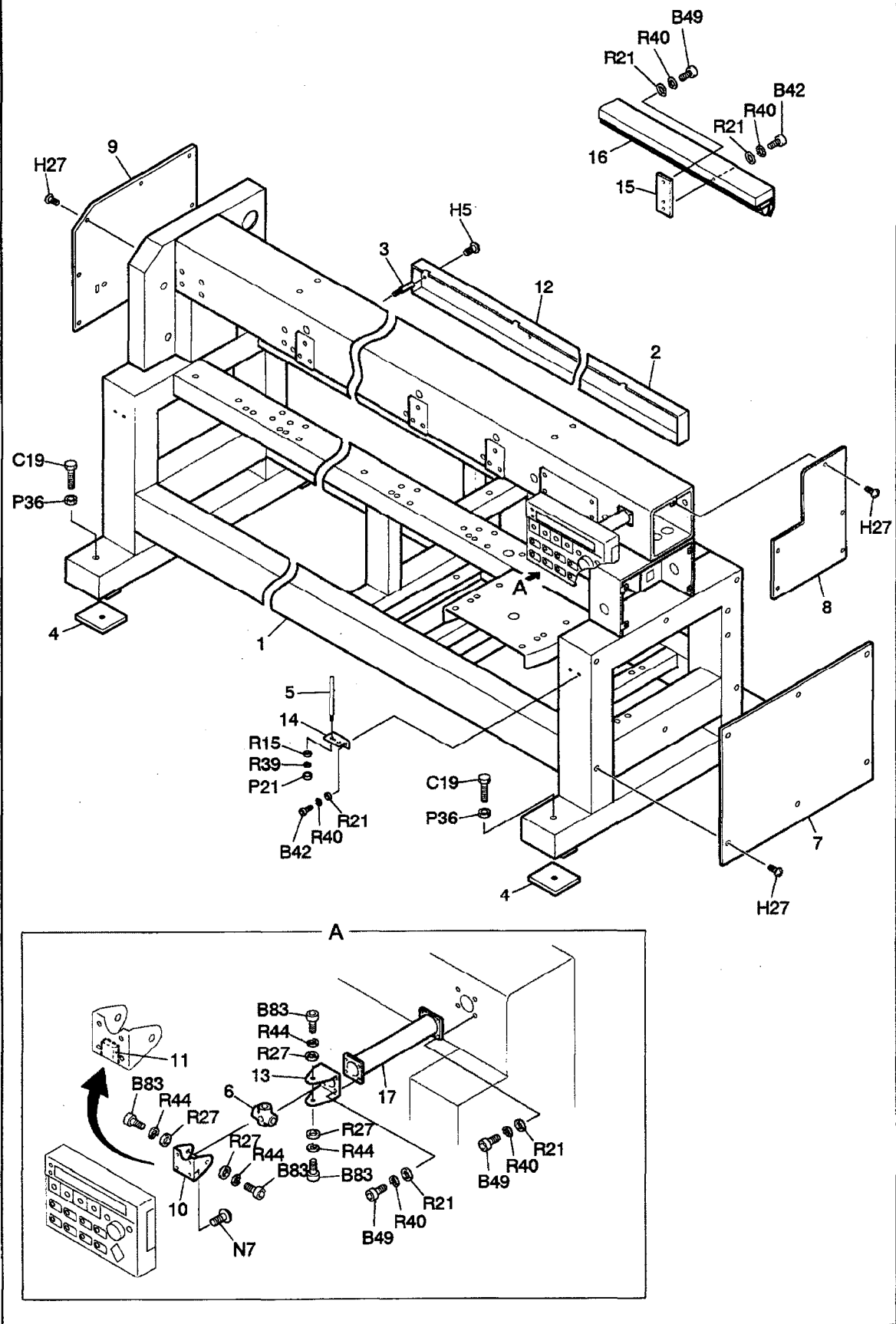
◆ Please specify, in the following manner, your machine model, manufacturing number and embroidery space when you order us with the parts having \*\*\*\* at the end of the part No.:

|            |          |              |            |
|------------|----------|--------------|------------|
| <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                  |
| 0600 ... ..     | 6-needle machine              |
| 0900 ... ..     | 9-needle machine              |
| 1200 ... ..     | 12-needle machine             |





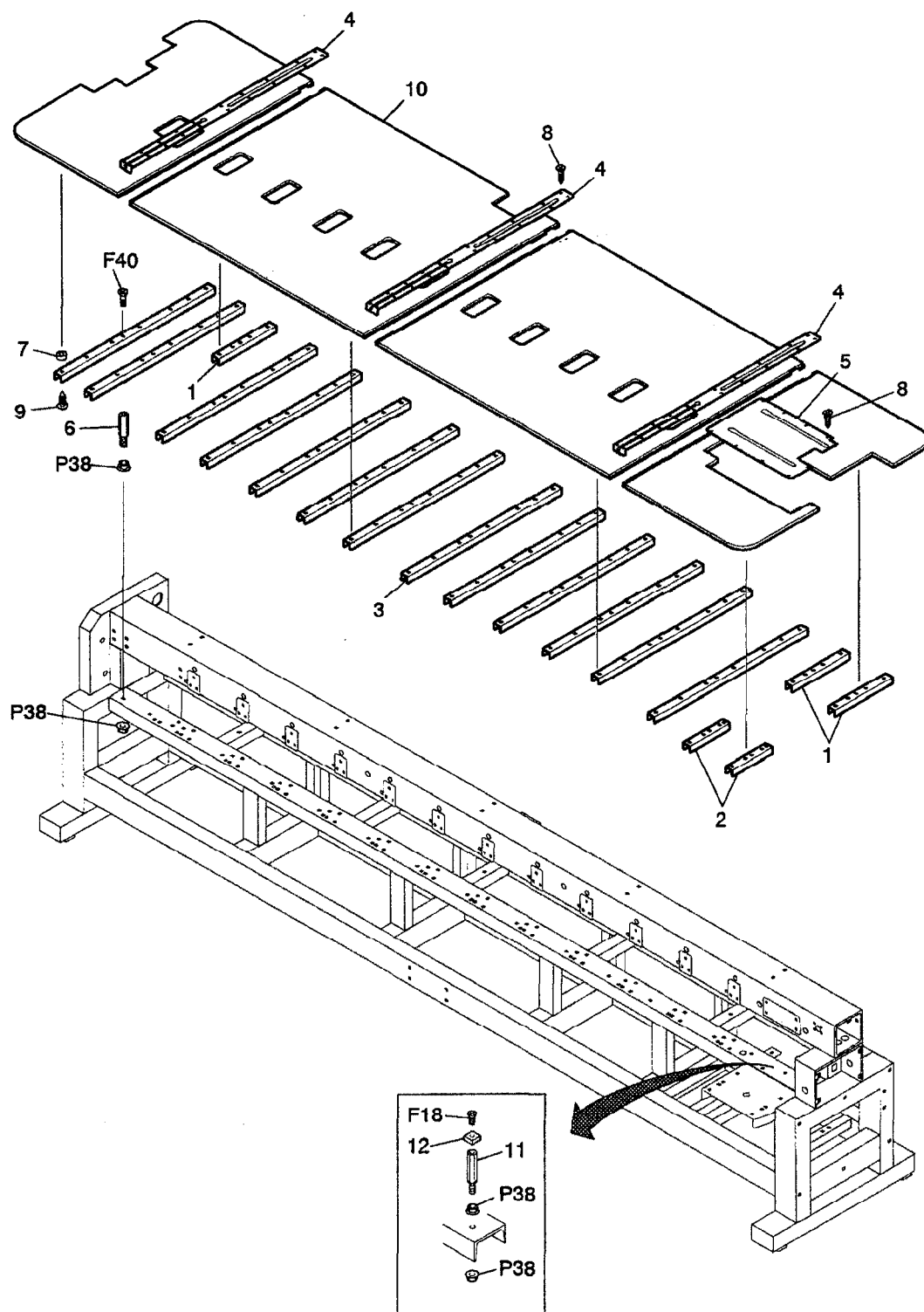
# TMFX IV FRAME

HX-1

| Ref.No. | Description                   | Part No.     | Remark      |
|---------|-------------------------------|--------------|-------------|
| 1       | Integral Stand                | HX080100**** |             |
| 2       | Wiring Cover A                | HX0806A0**** |             |
| 3       | Wiring Cover Stud             | CT0820000000 |             |
| 4       | Vibration-preventive Base     | EF08100A0000 |             |
| 5       | Bobbin Stand Stud             | EF0122000000 |             |
| 6       | Cross Joint                   | CX08150A0000 |             |
| 7       | Side Cover                    | DX0817000000 |             |
| 8       | Right-end Box Cover           | HX0808000000 |             |
| 9       | Left-end Box Cover            | HX0807000000 |             |
| 10      | Operation Panel Attaching Arm | EG01040A0000 |             |
| 11      | Cushion Rubber                | EC0829010000 |             |
| 12      | Wiring Cover B                | HX0806B0**** |             |
| 13      | Panel Joint                   | CX08320A0000 |             |
| 14      | Bobbin Stand Base             | EG01060A0000 |             |
| 15      | Fluorescent Lamp Bracket      | EG0817000000 |             |
| 16      | Fluorescent Lamp              | EG7401F10000 | 3-lamp type |
| 17      | Operation Panel Pipe          | DX0819000000 |             |
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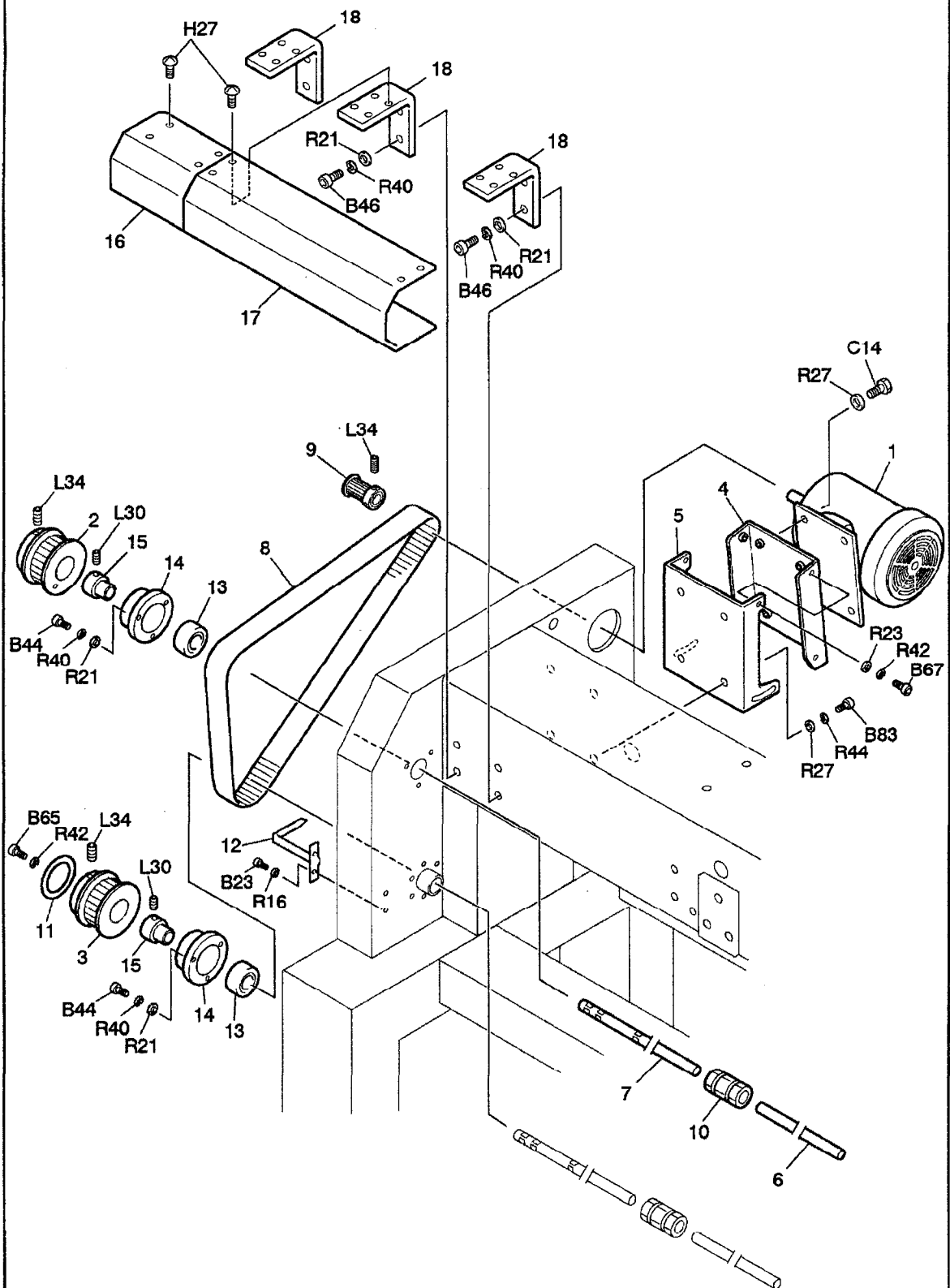
# TMFX IV TABLE

HX-2

| Ref.No. | Description                 | Part No.     | Remark  |
|---------|-----------------------------|--------------|---------|
| 1       | No.2 Table Support          | DX1002000000 |         |
| 2       | No.4 Table Support          | DX1004000000 |         |
| 3       | No.1 Table Support          | DX1001000000 |         |
| 4       | No.1 Table Lid              | MX080602**** |         |
| 5       | No.2 Table Lid              | MX080700**** |         |
| 6       | Table Support Stud          | EF1001010000 |         |
| 7       | Table Support Spacer        | MX1099000000 |         |
| 8       | Countersunk Head Wood Screw |              | 3.1P*12 |
| 9       | Round Head Wood Screw       |              | 4.5P*20 |
| 10      | Table                       | HX080200**** |         |
| 11      | Lid Support Stud            | EFZ807100000 |         |
| 12      | Table Lid Holder Felt       | EFZ807200000 |         |
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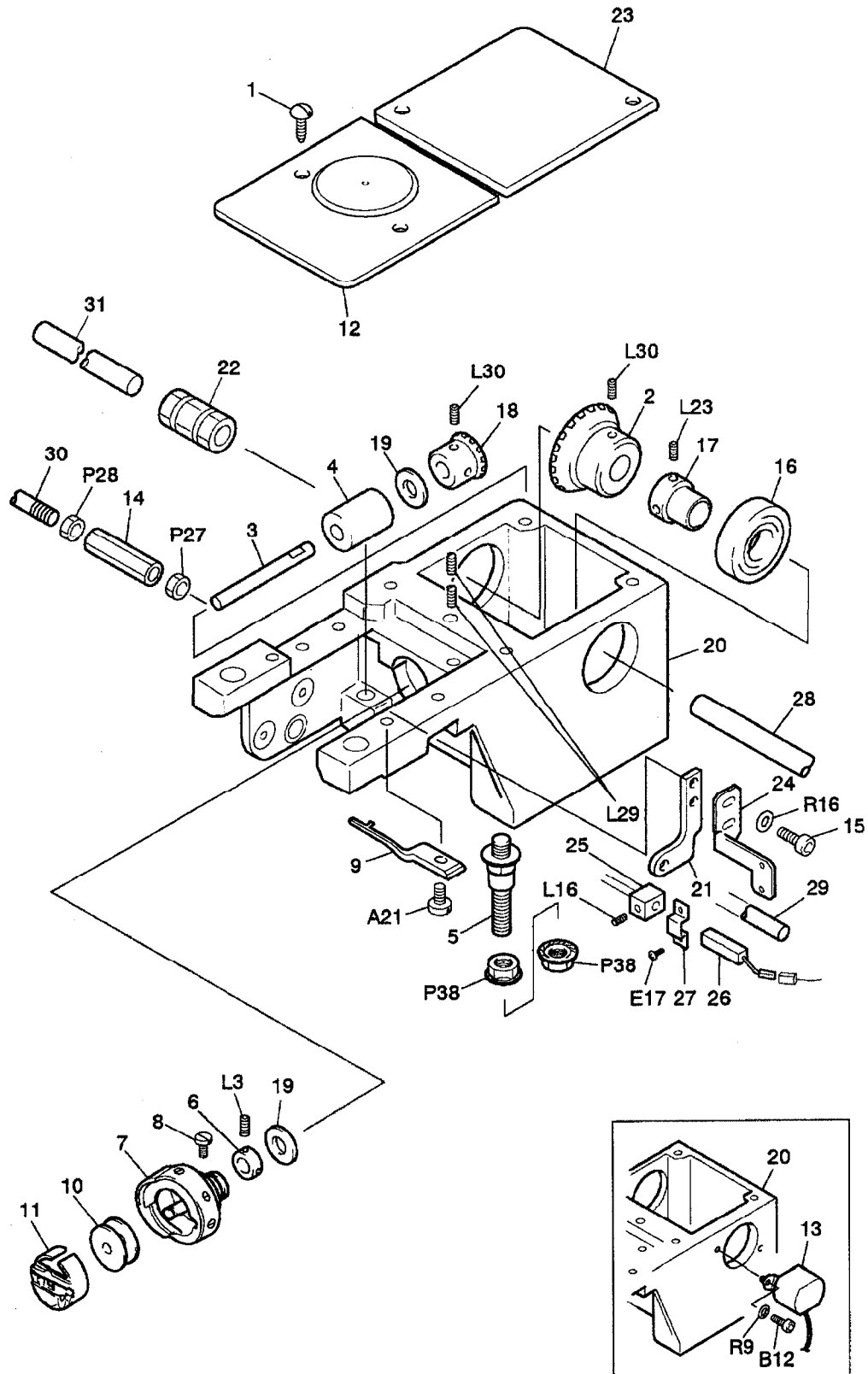
# TMFX IV MAIN SHAFT DRIVE SYSTEM

HX-3

| Ref.No | Description                   | Part No.     | Remark |
|--------|-------------------------------|--------------|--------|
| 1      | Main Shaft Motor              | CT0827010000 |        |
| 2      | Main Shaft Pulley B           | HX0103000000 |        |
| 3      | Main Shaft Pulley A           | HX0104000000 |        |
| 4      | Main Shaft Attaching Bracket  | CT0107000000 |        |
| 5      | Main Shaft Tension Bracket    | CT0106000000 |        |
| 6      | Needle Bar Drive Shaft A      | ED0810A0**** |        |
| 7      | Needle Bar Drive Shaft B      | HX0814B0**** |        |
| 8      | Timing Belt                   | BPS5M1270000 |        |
| 9      | Main Shaft Motor Pulley       | HX0105000000 |        |
| 10     | N-Coupling                    | BPN150150000 |        |
| 11     | Angle Indicator Plate         | CX0111000000 |        |
| 12     | Angle Pointer                 | HX0107000000 |        |
| 13     | Ball Bearing                  | BP6004ZZ0000 |        |
| 14     | Bearing Case                  | DL0105000000 |        |
| 15     | 15mm Dia. Bearing Case Collar | EF0106000000 |        |
| 16     | Shaft Cover A                 | HX0810A0**** |        |
| 17     | Shaft Cover B                 | HX0810B0**** |        |
| 18     | Cover Bracket                 | CX08240A0000 |        |
| 19     |                               |              |        |
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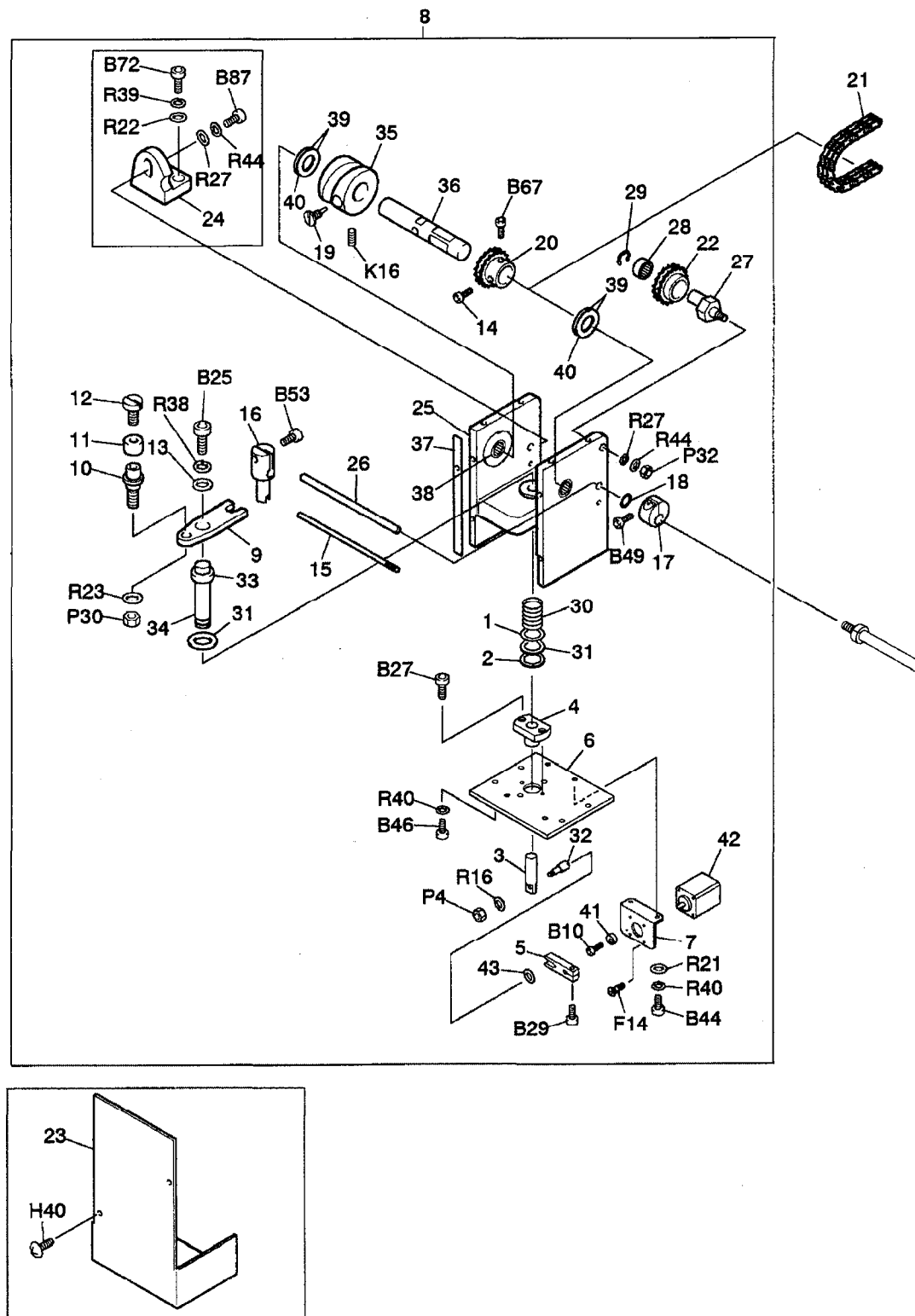
# TMFX IV ROTARY HOOK BASE

HX-4

| 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**** |                                |
| 10      | Bobbin                          | MEC504010DBM | For Jumbo Rotary Hook          |
| 11      | Bobbin Case                     | ME050300**** |                                |
| 11      | Bobbin Case                     | MEC503000DBM | For Jumbo Rotary Hook          |
| 12      | Needle Plate                    | FX0202A0**** | Noise Reduction Type           |
| 13      | Rotary Encoder                  | EF6600A00000 |                                |
| 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 Shaft 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      | N-Coupling                      | BPN150150000 |                                |
| 23      | Top Lid                         | EG0221010000 |                                |
| 24      | Sensor Bracket A                | FX0218000000 |                                |
| 25      | Searching Block                 | FX0217000000 |                                |
| 26      | Proximity Switch                | EG6601000000 |                                |
| 27      | Proximity Switch Lock           | PB000500KN01 |                                |
| 28      | Rotary Hook Shaft Drive Shaft A | ED0811A0**** |                                |
| 29      | Thread Trimming Shaft A         | MX0813A0**** |                                |
| 30      | Thread Trimming Shaft B         | MX0813B0**** |                                |
| 31      | Rotary Hook Shaft Drive Shaft B | HX0813B0**** |                                |
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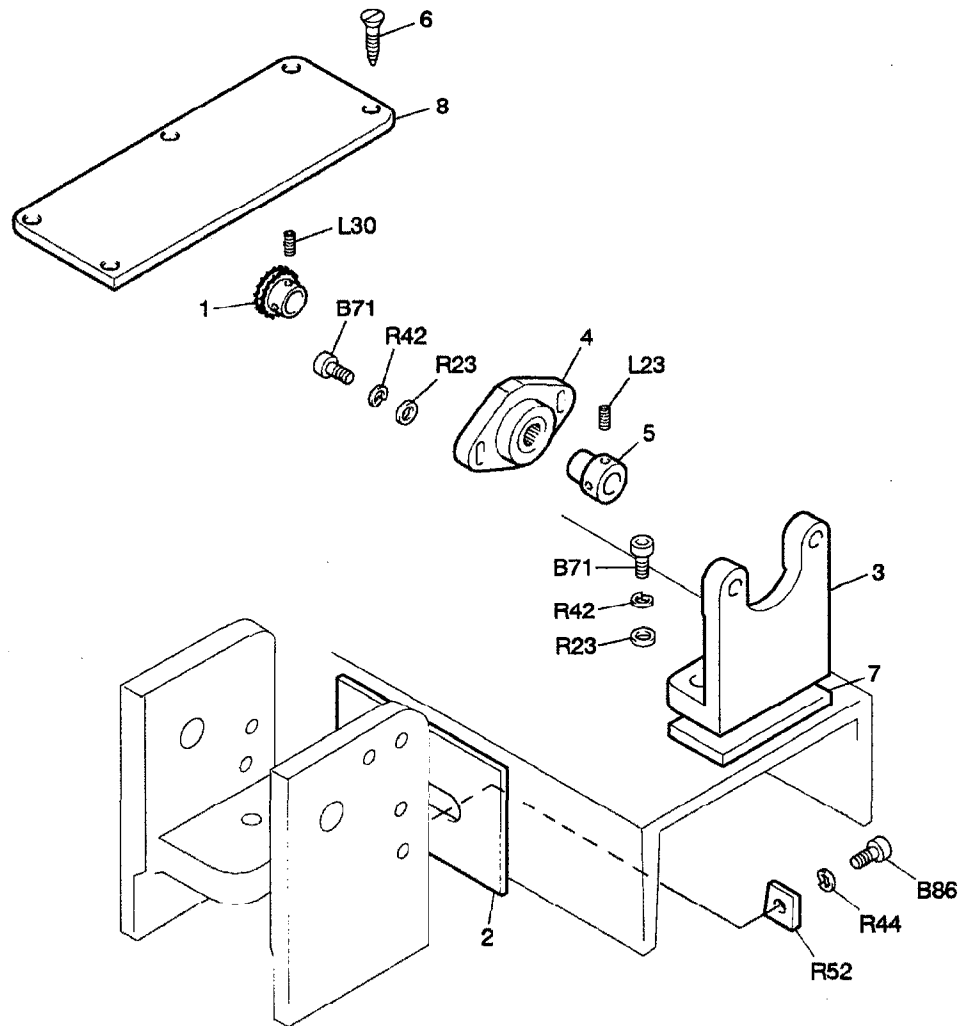
# TMFX IV CAM DRIVE SYSTEM SET 1

HX-5-1

| Ref.No. | Description                    | Part No.     | Remark |
|---------|--------------------------------|--------------|--------|
| 1       | Washer B                       | AT0122000000 |        |
| 2       | E-ring                         | BPE120000000 |        |
| 3       | Driven Shaft                   | AT0125000000 |        |
| 4       | 12mm Dia. Collar               | AT0126000000 |        |
| 5       | Drive Lever                    | AT0127000000 |        |
| 6       | Pulse Motor Base               | AT0128000000 |        |
| 7       | Pulse Motor Attaching Bracket  | AT0129000000 |        |
| 8       | Cam Attaching Base Set         | UN680020HX00 |        |
| 9       | Cam Lever                      | AT0105000000 |        |
| 10      | Cam Pin                        | AT0110000000 |        |
| 11      | Cam Roller                     | AT0111000000 |        |
| 12      | Lid Screw                      | AT0112010000 |        |
| 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      | No.3 Pin                       | EF0511010000 |        |
| 33      | Lever Support Pin              | AT0106010000 |        |
| 34      | Support Pin Cushion            | AT0106100000 |        |
| 35      | Cam                            | FX0211000000 |        |
| 36      | Cam Shaft                      | FX0212000000 |        |
| 37      | Noise Reduction Packing Rubber | FX0213010000 |        |
| 38      | Needle Bearing                 | BPHMK1515000 |        |
| 39      | Thrust Washer                  | BPSW1528AS00 |        |
| 40      | Thrust Bearing                 | BPSB15280000 |        |
| 41      | Eccentric Stopper              | EG0220000000 |        |
| 42      | 42mm Square Pulse Motor        | CL0835010000 |        |
| 43      | Thrust Washer                  | BPTW06130000 |        |
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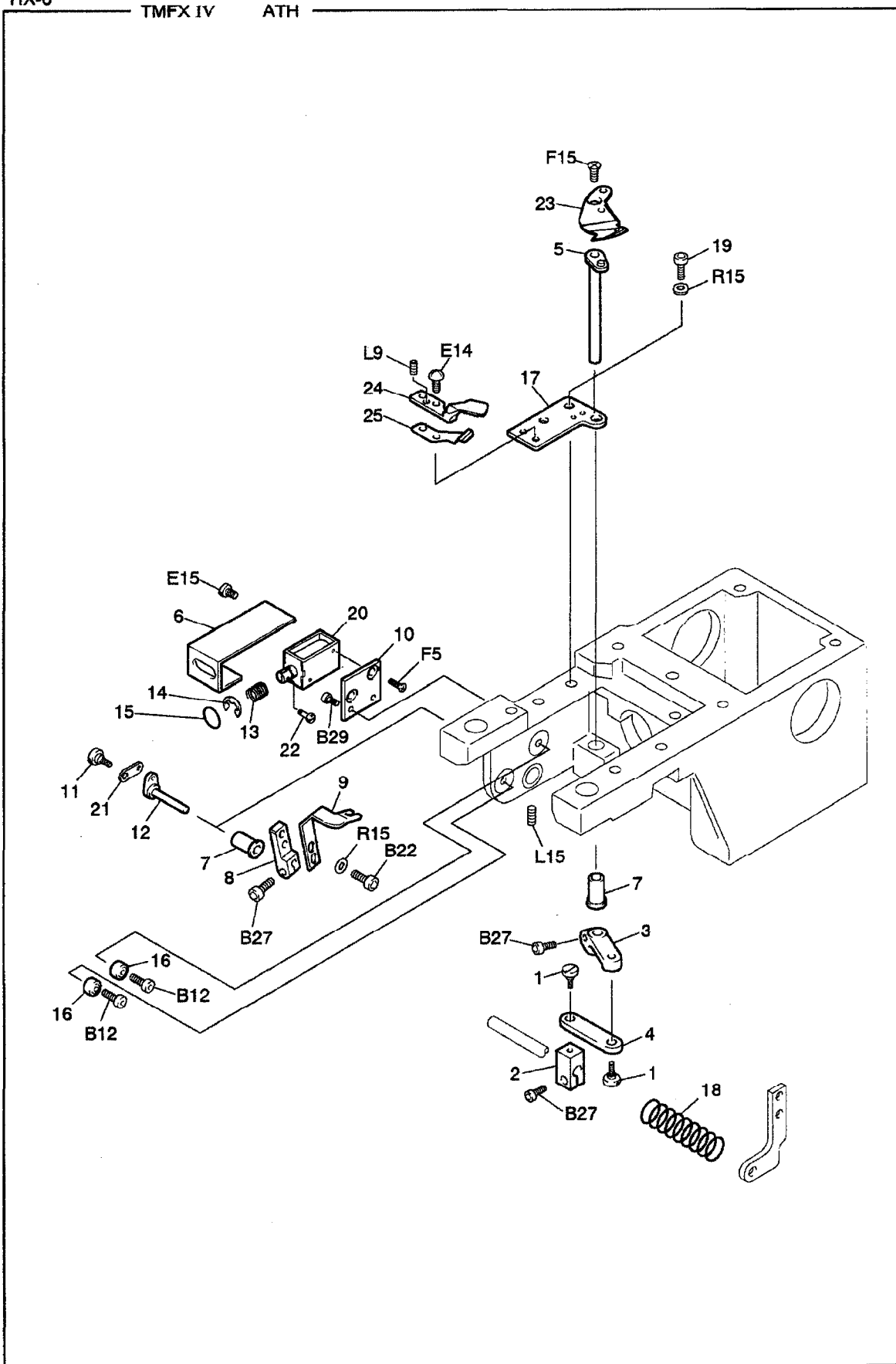
# TMFX IV CAM DRIVE SYSTEM SET 2

HX-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 Regular Rotary Hook |
| 8      | Chain Cover                     | EF0806010000 |                         |
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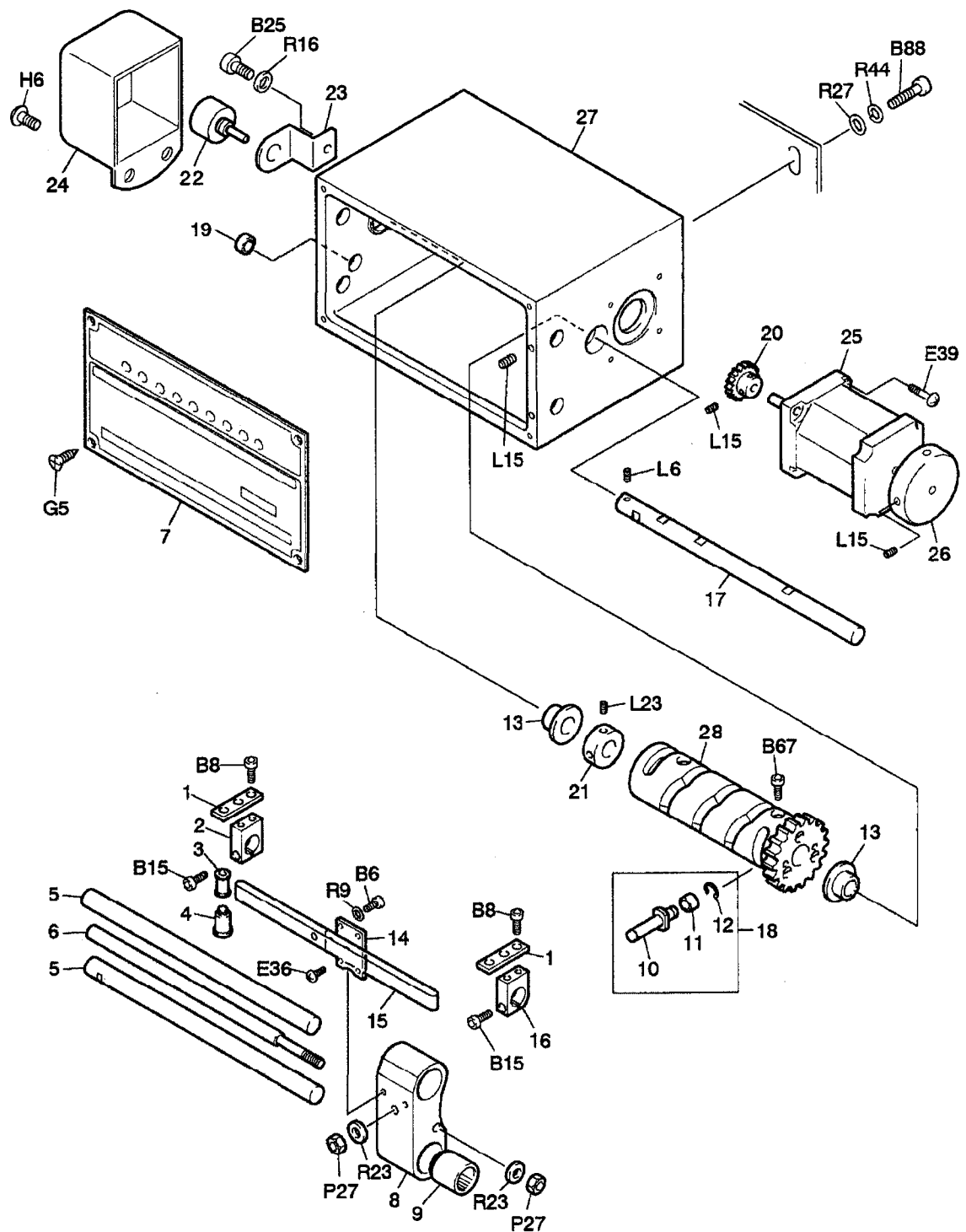
# TMFX IV ATH

HX-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 |                   |
| 4       | Connecting Plate              | GS0206000000 | For the last head |
| 5       | Knife Drive Shaft Set         | EG0205040000 |                   |
| 6       | Solenoid Cover                | EG02100A0000 |                   |
| 7       | Bushing                       | EG0211000000 |                   |
| 8       | Picker Connecting Stud        | EG0212000000 |                   |
| 9       | Wide Picker                   | EG0213000000 |                   |
| 10      | Solenoid Base                 | EG0214000000 |                   |
| 11      | Stepped Pin                   | EG0215000000 |                   |
| 12      | Connecting Lever Pin          | EG0217000000 |                   |
| 13      | Compressed Spring             | EG0218000000 |                   |
| 14      | E-ring                        | BPE400000000 |                   |
| 15      | Needle Bar O-Ring             | EF0621000000 |                   |
| 16      | Eccentric Stopper             | EG0220000000 |                   |
| 17      | Knife Base                    | FX0203000000 |                   |
| 18      | Presser Foot Spring B         | EF0614B30000 |                   |
| 19      | Hexagon Socket Head Cap Screw | EG0219000000 |                   |
| 20      | Solenoid                      | AT6806D10000 |                   |
| 21      | Connecting Rod                | EG0251000000 |                   |
| 22      | Solenoid Pin                  | EG0252000000 |                   |
| 23      | Movable Knife                 | FX0227000000 |                   |
| 24      | Fixed Knife                   | FX0228000000 |                   |
| 25      | Under Thread Presser          | FX0229000000 |                   |
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(BH11)



# TMFX IV COLOR CHANGE SYSTEM

HX-7

| Ref.No. | Description                     | Part No.     | Remark    |
|---------|---------------------------------|--------------|-----------|
| 1       | Roller Base                     | EF0427000000 |           |
| 2       | Base Split Collar               | EF0430000000 |           |
| 3       | Roller                          | EF0425000000 |           |
| 4       | Roller Pin                      | EF0428000000 |           |
| 5       | Guide Shaft                     | CT020600#### |           |
| 6       | Slide Shaft                     | CT020500#### |           |
| 7       | Model Name Plate                | HX040200**** |           |
| 8       | Slide Boss                      | EF040201#### |           |
| 9       | Slide Bearing                   | BPLME1222322 |           |
| 10      | Cam Pin                         | EF0403000000 |           |
| 11      | Cam Roller                      | EF0404000000 |           |
| 12      | E-ring                          | BPE300000000 |           |
| 13      | Cam Shaft Bushing               | EF0407000000 |           |
| 13      | Cam Shaft Bushing               | CT0212000000 | 12-Needle |
| 14      | Steel Belt Joint Plate          | EF0429000000 |           |
| 15      | Needle Position Indicating Belt | CT020800#### |           |
| 16      | Color Change Split Collar       | CT0207000000 |           |
| 17      | Cam Shaft                       | CT020300#### |           |
| 18      | Cam Roller Set                  | EF0404S00000 |           |
| 19      | Dry Bearing                     | BPMB1010DU00 |           |
| 20      | 18T Motor Gear                  | CT0204000000 |           |
| 21      | 12mm Dia. Collar                | TQ0323000000 |           |
| 22      | Potentiometer                   | PB000100RV00 |           |
| 23      | Sensor Base                     | CX0401000000 |           |
| 24      | Potentiometer Cover             | HX0403000000 |           |
| 25      | 57mm Square Pulse Motor         | LH6404000000 |           |
| 26      | Manual Handle                   | CT0209000000 |           |
| 27      | Color Change Box                | CT020100#### |           |
| 28      | Color Change Cam Set            | CT020200#### |           |
| 29      |                                 |              |           |
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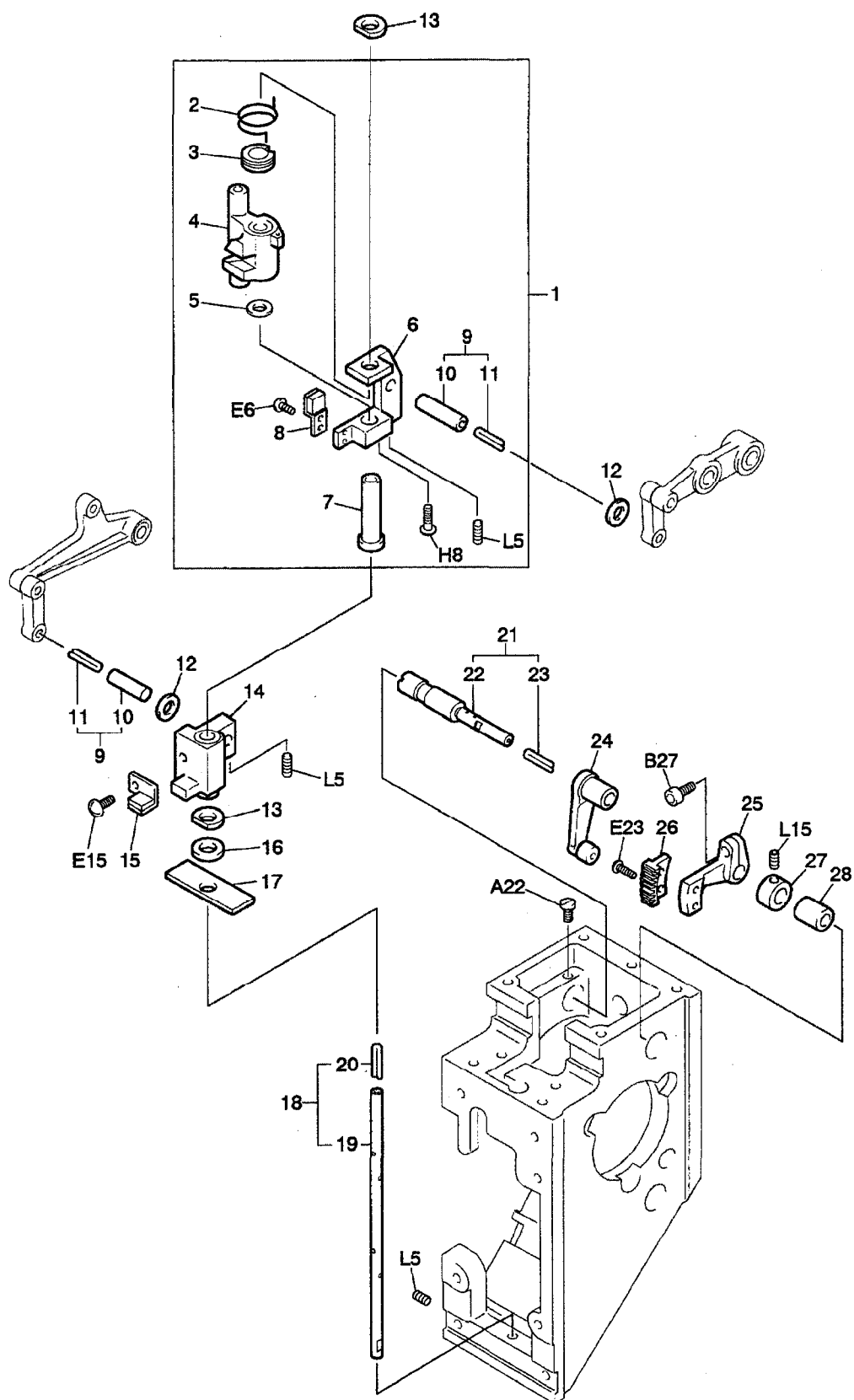
# TMFX IV ARM 1

HX-8-1

| Ref.No. | Description                     | Part No.     | Remark    |
|---------|---------------------------------|--------------|-----------|
| 1       | Arm                             | MX05011A0000 |           |
| 2       | Arm Top Cover                   | EG05320A0000 |           |
| 3       | Arm Rail, Upper                 | EF052603**** |           |
| 3       | Arm Rail, Upper                 | FX055701**** | 12-Needle |
| 4       | Spring Pin                      | BPSP03120000 | 3P*12     |
| 5       | Slide Roller                    | EF055300#### |           |
| 5       | Slide Roller                    | FX0558001200 | 12-Needle |
| 6       | Take-up Lever Rail Holder L     | FX0556LB**** |           |
| 7       | Take-up Lever Rail Holder R     | FX0556RB**** |           |
| 8       | Take-up Lever Guide Rail        | EF05140A**** |           |
| 8       | Take-up Lever Guide Rail        | FX05590A**** | 12-Needle |
| 9       | Arm Side Cover A                | CX05010A0000 |           |
| 10      | Seal Packing                    | FX0553200000 |           |
| 11      | Arm Side Cover B                | MX05130A0000 |           |
| 12      | Arm Guide Plate                 | FX0525040000 |           |
| 13      | Positioning Plate               | FX0526000000 |           |
| 14      | Hexagon Socket Head Cap Screw   | EG0219000000 |           |
| 15      | Arm Front Cover L               | FX0555LB0000 |           |
| 16      | Arm Front Cover R               | FX0555RB0000 |           |
| 17      | Pulse Motor Base                | MX05040A0000 |           |
| 18      | Pulse (Stepping) Motor          | MX6402A00000 |           |
| 19      | Jump Lever                      | MX0502000000 |           |
| 20      | Roller Pin B                    | CE0117100000 |           |
| 21      | Jump Lever Return Spring        | MX0503020000 |           |
| 22      | Cushion                         | AT0404000000 |           |
| 23      | Cushion Pin                     | AT0405000000 |           |
| 24      | Assembly Base Set               | UN6800500000 |           |
| 25      | Assembly Base                   | MX0516000000 |           |
| 26      | Base Lid A                      | AT1302020000 |           |
| 27      | Upper Thread Hook A             | AT1303020000 |           |
| 28      | Special Nut                     | AT0307200000 |           |
| 29      | Arm Connecting Rod              | MX0519000000 |           |
| 30      | Lever Connecting Pin            | AT0309000000 |           |
| 31      | Upper Thread Hook Lever         | MX0517000000 |           |
| 32      | Upper Thread Hook Return Spring | MX0520000000 |           |
| 33      | Pulse (Stepping) Motor          | MX6402000000 |           |
| 34      | Pulse Motor Base                | MX0518000000 |           |
| 35      | Cushion Pin B                   | AT1306000000 |           |
| 36      | Arm Cushion                     | AT1309000000 |           |
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# TMFX IV ARM 2

HX-8-2

| Ref.No. | Description                       | Part No.     | Remark |
|---------|-----------------------------------|--------------|--------|
| 1       | Needle Bar Reciprocator Set       | UN25009100NR |        |
| 2       | Jump Spring                       | FX0516000000 |        |
| 3       | Spring Cradle                     | FX0564000000 |        |
| 4       | Needle Bar Reciprocator           | FX0515000000 |        |
| 5       | Needle Bar Reciprocator Spacer    | EF0554000000 |        |
| 6       | Reciprocator Slide Block          | FX0565000000 |        |
| 7       | Needle Bar Drive Shaft Bushing    | CX0506010000 |        |
| 8       | Stopper Base                      | FX0519000000 |        |
| 9       | No.4 Pin Set                      | UN2505200000 |        |
| 10      | No.4 Pin                          | EF0512010000 |        |
| 11      | Wick B                            | EF0557000000 |        |
| 12      | Connecting Rod Washer             | EF0555010000 |        |
| 13      | Needle Bar Drive Shaft Felt A     | FX0561010000 |        |
| 14      | Presser Foot Reciprocator         | FX0520040000 |        |
| 15      | Cushion Bracket                   | FX0521000000 |        |
| 16      | Bearing Case Collar               | ME0555000000 |        |
| 17      | Needle Bar Drive Shaft Felt       | FX0524000000 |        |
| 18      | Needle Bar Drive Shaft Set        | UN2501102000 |        |
| 19      | Needle Bar Drive Shaft            | FX0522030000 |        |
| 20      | Needle Bar Drive Shaft Wick       | EG0536000000 |        |
| 21      | Take-up Lever Drive Lever Pin Set | UN2505400000 |        |
| 22      | Take-up Lever Drive Lever Pin     | EG0530000000 |        |
| 23      | Wick B                            | EG0544000000 |        |
| 24      | Take-up Lever Drive Lever A Set   | EG0521040000 |        |
| 25      | Take-up Lever Drive Lever B       | EG0529000000 |        |
| 26      | Take-up Lever Drive Gear          | EF0517010000 |        |
| 27      | 8mm Dia. Collar                   | EF0418000000 |        |
| 28      | Bearing Brass                     | EG0541000000 |        |
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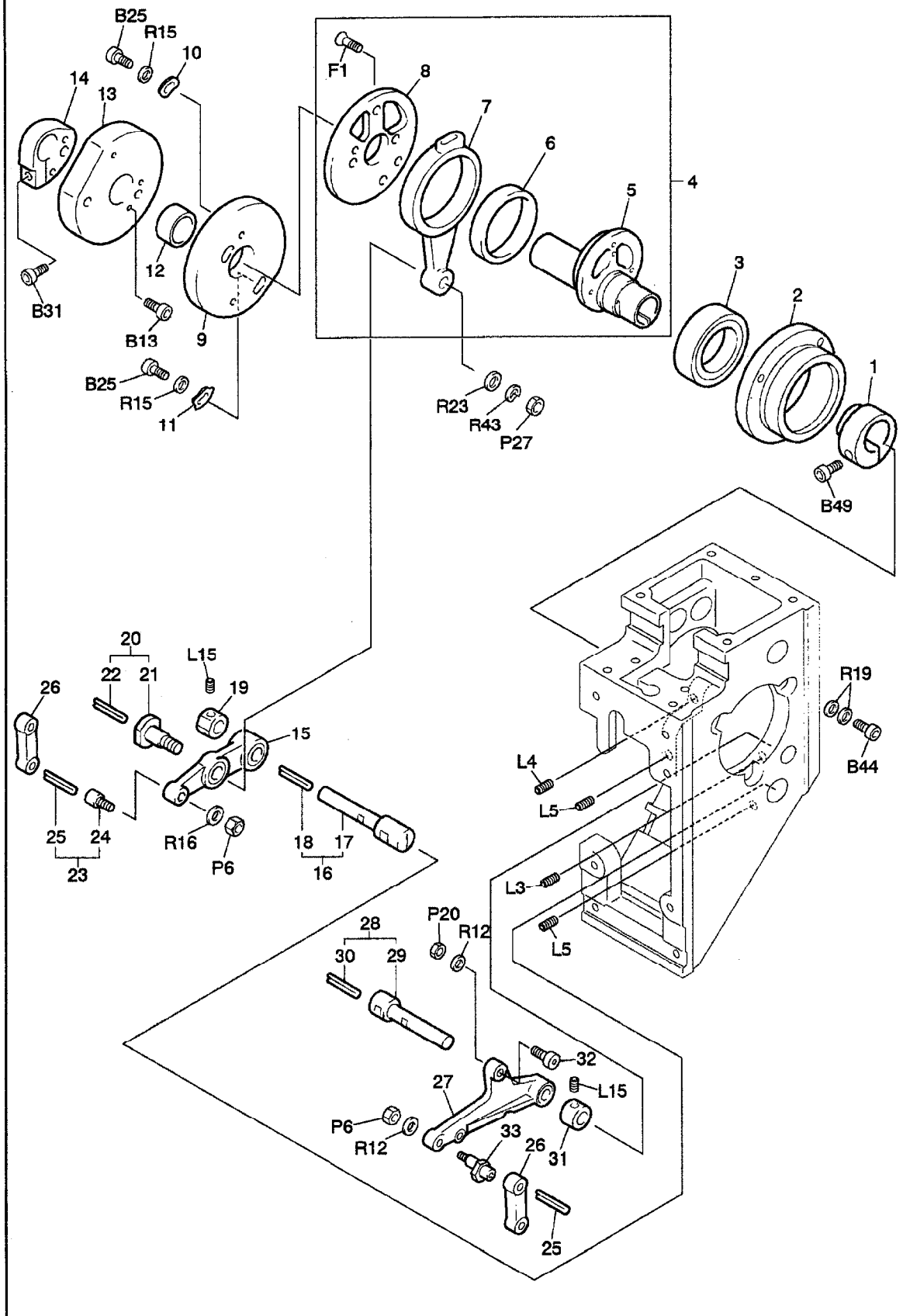
# TMFX IV NEEDLE BAR CASE 2

HX-9-2

| Ref.No. | Description                      | Part No.     | Remark                |
|---------|----------------------------------|--------------|-----------------------|
| 1       | Top Cover Set                    | UN260022**** |                       |
| 1       | Top Cover Set                    | UN26C022**** | For Jumbo Rotary Hook |
| 2       | Top Cover                        | CX067100#### |                       |
| 2       | Top Cover                        | CXC67100#### | For Jumbo Rotary Hook |
| 3       | Top Cover Attaching Screw        | CX0675000000 |                       |
| 4       | Middle Thread Guide Set          | CX067200#### |                       |
| 5       | Thread Guide                     | FX0626110000 |                       |
| 6       | Thread Guide                     | MX0522000000 |                       |
| 7       | Magnet Rubber                    | EF0635210300 |                       |
| 8       | Face Plate                       | EC060101#### |                       |
| 9       | Lower Thread Guide Set           | UN260061#### |                       |
| 10      | Lower Thread Guide               | FX062602#### |                       |
| 11      | Thread Hook Spring               | EF063102#### |                       |
| 11      | Thread Hook Spring               | FX0627031200 | 12-Needle             |
| 12      | Spring Presser Bracket           | FX0633010000 | 12-Needle             |
| 13      | Thread Presser Base Set          | UN680032**** |                       |
| 14      | Thread Holder Bracket            | AT0323000000 |                       |
| 15      | Space Block B                    | CX0678010000 |                       |
| 16      | Thread Suspender Disk            | EF0637000000 |                       |
| 17      | Thread Suspender Spring          | EF0639000000 |                       |
| 18      | Thread Suspender Spring Presser  | EF0638000000 |                       |
| 19      | Thread Suspender Attaching Screw | AT2311000000 |                       |
| 20      | Thread Presser Base (with Tape)  | UN680171**** |                       |
| 21      | Thread Presser Base              | AT032400#### |                       |
| 22      | Velour Tape                      | AT032600#### |                       |
| 23      | Thread Presser Lid (with Tape)   | UN680181**** |                       |
| 24      | Thread Presser Lid               | AT032500#### |                       |
| 25      | Thread Presser Spacer            | AT0304010000 |                       |
| 26      | Change Roller Base               | CX068300#### |                       |
| 27      | Cam Roller Pin Set               | EF0519S00000 |                       |
| 28      | Space Block A                    | CX0677010000 |                       |
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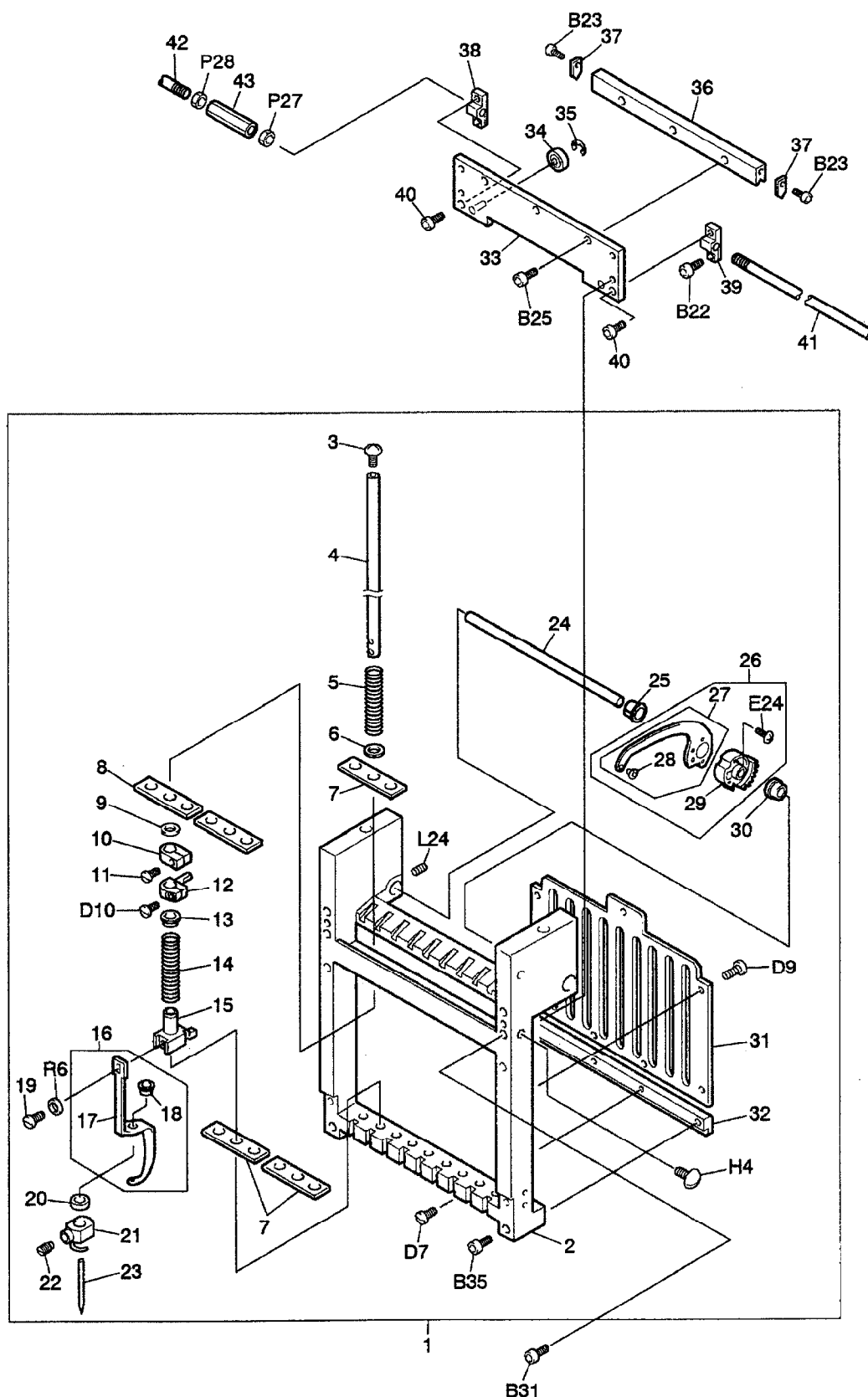
# TMFX IV ARM 3

HX-8-3

| Ref.No. | Description                      | Part No.     | Remark  |
|---------|----------------------------------|--------------|---------|
| 1       | Needle Bar Cam Tightening Collar | EF0508000000 |         |
| 2       | Bearing Case                     | EF0502010000 |         |
| 3       | Ball Bearing                     | BP6004ZZ0000 |         |
| 4       | Needle Bar Driver Cam Set        | UN25010000NR |         |
| 5       | Needle Bar Drive Cam             | FX0502000000 |         |
| 6       | Needle Cage                      | BPK384188X01 |         |
| 7       | Connecting Rod                   | EF0505010000 |         |
| 8       | Take-up Lever Cam Base           | EF0507020000 |         |
| 9       | Take-up Lever Drive Cam          | EF0563000000 |         |
| 10      | Cam Washer                       | EF0522000000 | Inside  |
| 11      | Cam Washer A                     | EF0522A00000 | Outside |
| 12      | Cam Spacer                       | MX0505000000 |         |
| 13      | Presser Foot Cam                 | MX0508020000 |         |
| 14      | Presser Foot Cam Boss            | MXJ509000000 |         |
| 15      | Needle Bar Drive Lever Set       | EG0527000000 |         |
| 16      | No.2 Pin Set                     | UN2505300000 |         |
| 17      | No.2 Pin                         | EG0528000000 |         |
| 18      | Wick A                           | EG0543000000 |         |
| 19      | 8mm Dia. Collar                  | MX0507000000 |         |
| 20      | No.1 Pin Set                     | UN2505601000 |         |
| 21      | No.1 Pin                         | FX0506010000 |         |
| 22      | Wick A                           | EF0556000000 |         |
| 23      | No.3 Pin Set                     | UN2505101000 |         |
| 24      | No.3 Pin                         | EF0511010000 |         |
| 25      | Wick B                           | EF0557000000 |         |
| 26      | Needle Bar Drive Connecting Rod  | EF0513000000 |         |
| 27      | Drive Lever Set                  | MX0510020000 |         |
| 28      | No.1 Drive Shaft Set             | UN2505501000 |         |
| 29      | No.1 Drive Shaft                 | FX0504010000 |         |
| 30      | Wick C                           | EF0558000000 |         |
| 31      | 8mm Dia. Collar                  | EF0418000000 |         |
| 32      | Cam Follower                     | BPCFS4000000 |         |
| 33      | Eccentric Pin                    | MX0511010000 |         |
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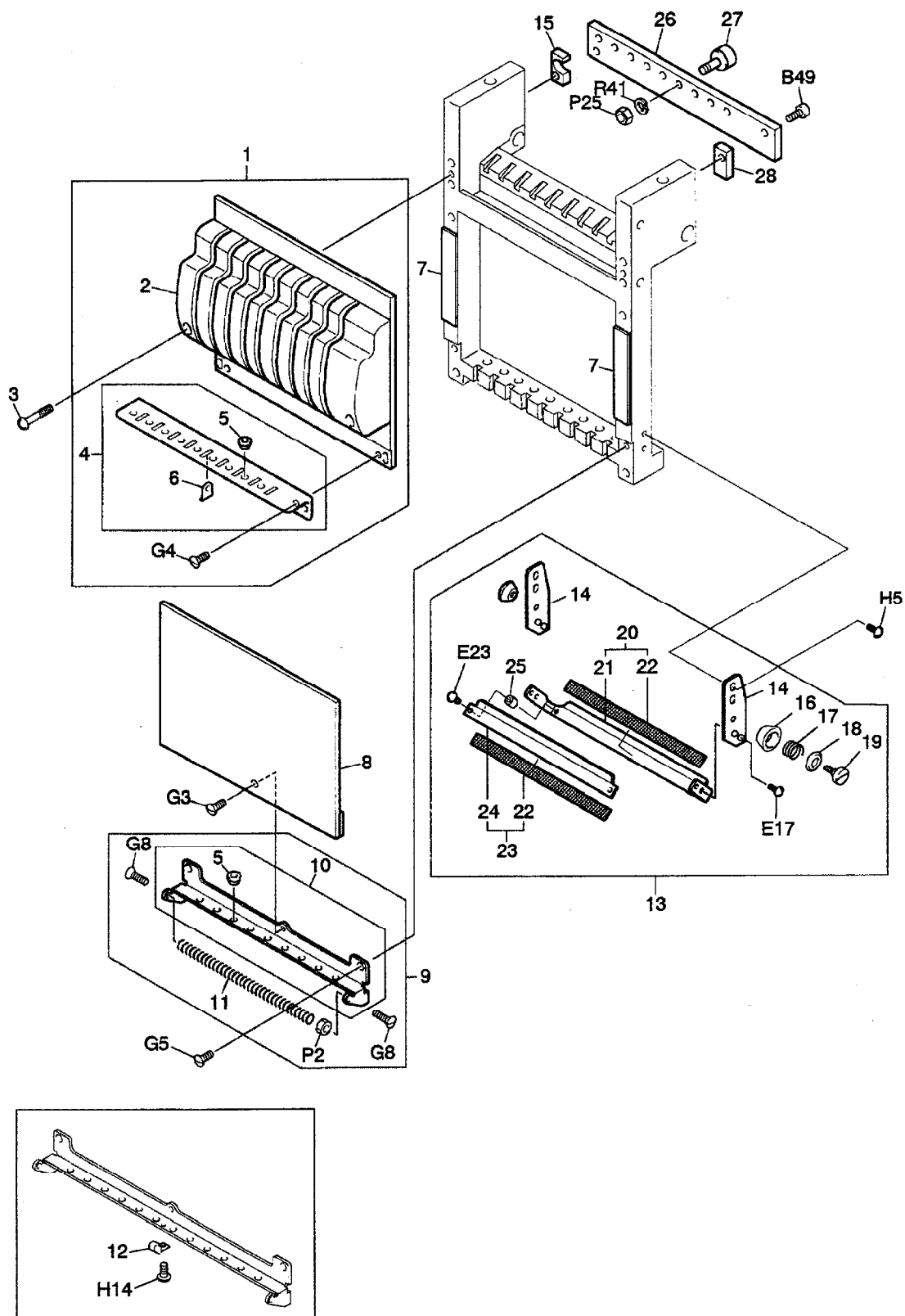
# TMFX IV NEEDLE BAR CASE 1

HX-9-1

| Ref.No | Description                       | Part No.     | Remark                |
|--------|-----------------------------------|--------------|-----------------------|
| 1      | Needle Bar Case Set               | UN260051#### |                       |
| 1      | Needle Bar Case Set               | UN26C051#### | For Jumbo Rotary Hook |
| 2      | Needle Bar Case                   | CX068400#### |                       |
| 3      | Holder Spring Set Screw           | EF0620000000 |                       |
| 4      | Needle Bar                        | FX0632000000 |                       |
| 5      | Needle Bar Holder Spring          | EF0618030000 |                       |
| 6      | Spring Shoe Washer                | EF0619000000 |                       |
| 7      | Felt Packing                      | EF062300#### |                       |
| 8      | Cushion Rubber B                  | EF062700#### |                       |
| 9      | Cushion Ring E                    | FX0615000000 |                       |
| 10     | Upper Dead Point Stopper          | EF0617010000 |                       |
| 11     | Flat Fillister Head Screw         | EF0647000000 |                       |
| 12     | Needle Bar Connecting Stud        | CX0606000000 |                       |
| 13     | Presser Foot Spring Holder        | FX0618010000 |                       |
| 14     | Presser Foot Spring D             | FX0619D10000 |                       |
| 15     | Presser Foot Connecting Stud      | FX0621010000 |                       |
| 16     | Presser Foot Set                  | FX0620000000 |                       |
| 17     | Presser Foot                      | FX0620100000 |                       |
| 18     | Presser Foot Bushing              | EF0613220000 |                       |
| 19     | Presser Foot Set Screw            | FX0622000000 |                       |
| 20     | Cushion Ring A                    | EF0642020000 |                       |
| 21     | Needle Clamp                      | EF0616010000 |                       |
| 22     | Needle Set Screw                  | EF0615000000 |                       |
| 23     | Needle                            | EF0640000000 | DB K5-11              |
| 24     | Take-up Lever Shaft               | EF060200#### |                       |
| 24     | Take-up Lever Shaft               | FX0602001200 | 12-Needle             |
| 25     | Take-up Lever Positioning Bushing | EF0606000000 |                       |
| 26     | Take-up Lever Gear Set            | FX0603S10000 |                       |
| 26     | Take-up Lever Gear Set            | FXC603S10000 | For Jumbo Rotary Hook |
| 27     | Take-up Lever                     | FX0603010000 |                       |
| 27     | Take-up Lever                     | FXC603010000 | For Jumbo Rotary Hook |
| 28     | Thread Guide                      | MX0521000000 |                       |
| 29     | Take-up Lever Gear                | EF0603010000 |                       |
| 30     | Take-up Lever Adjusting Bushing   | EF0605000000 |                       |
| 31     | Needle Bar Guide Rail             | FX061302#### |                       |
| 32     | Case Rail, Lower                  | FX061200#### |                       |
| 33     | Guide Roller Base                 | FX060700#### |                       |
| 34     | Ball Bearing                      | BPR1340ZZ000 |                       |
| 35     | E-ring                            | BPE300000000 |                       |
| 36     | Case Rail, Upper                  | FX060602#### |                       |
| 37     | Roller Stopper                    | FX0635000000 |                       |
| 38     | Color Change Bracket L            | FX0609L10000 |                       |
| 39     | Color Change Bracket R            | FX0609R10000 |                       |
| 40     | Change Bracket Set Screw          | FX0611000000 |                       |
| 41     | Slide Shaft A                     | MX0811A0**** |                       |
| 42     | Slide Shaft B                     | MX0811B0**** |                       |
| 43     | M6 Joint                          | EF0827010000 |                       |
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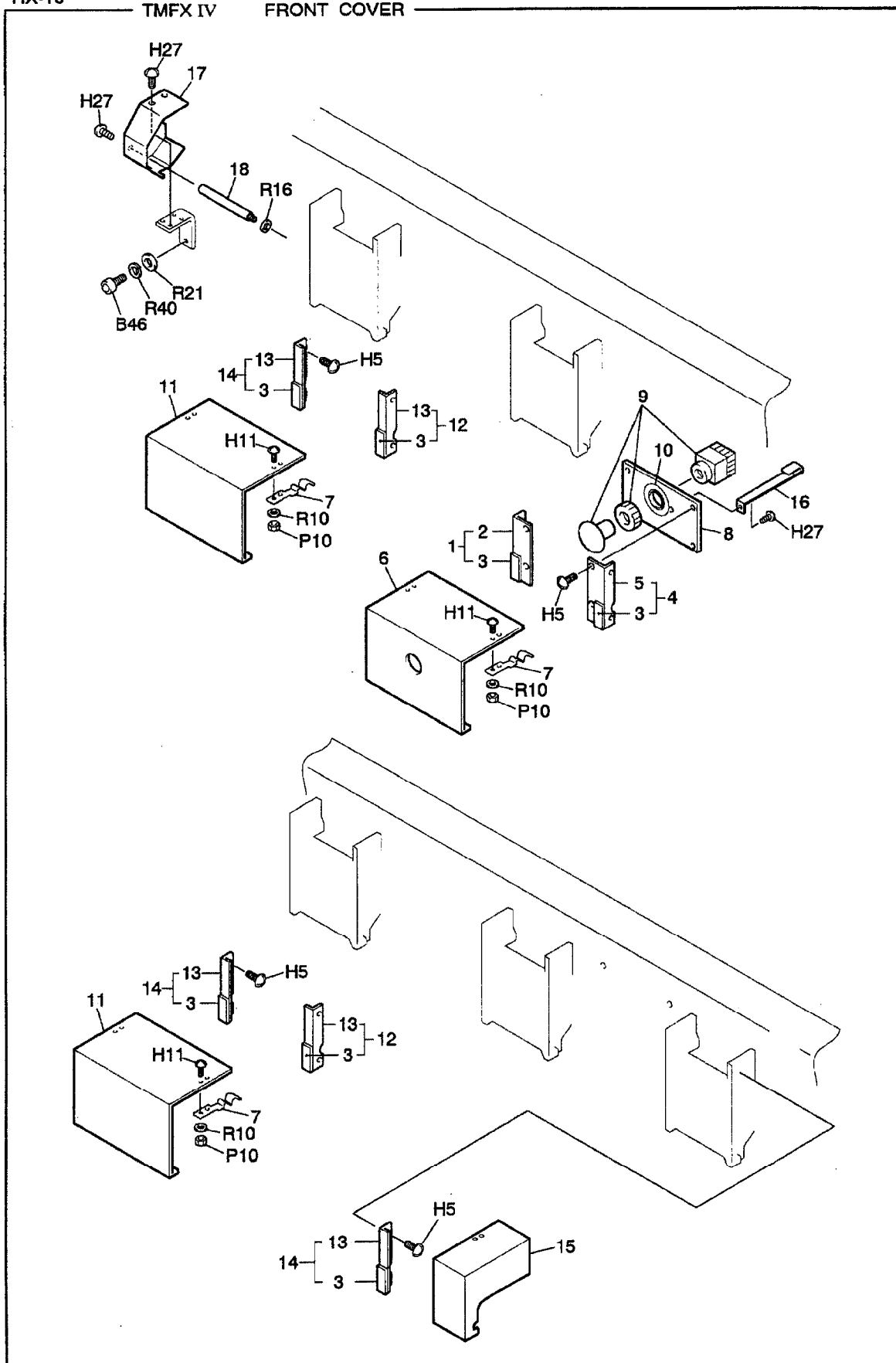
# TMFX IV NEEDLE BAR CASE 2

HX-9-2

| Ref.No. | Description                      | Part No.     | Remark                |
|---------|----------------------------------|--------------|-----------------------|
| 1       | Top Cover Set                    | UN260022**** |                       |
| 1       | Top Cover Set                    | UN26C022**** | For Jumbo Rotary Hook |
| 2       | Top Cover                        | CX067100#### |                       |
| 2       | Top Cover                        | CXC67100#### | For Jumbo Rotary Hook |
| 3       | Top Cover Attaching Screw        | CX0675000000 |                       |
| 4       | Middle Thread Guide Set          | CX067200#### |                       |
| 5       | Thread Guide                     | FX0626110000 |                       |
| 6       | Thread Guide                     | HX0522000000 |                       |
| 7       | Magnet Rubber                    | EF0635210300 |                       |
| 8       | Face Plate                       | EC060101#### |                       |
| 9       | Lower Thread Guide Set           | UN260061#### |                       |
| 10      | Lower Thread Guide               | FX062602#### |                       |
| 11      | Thread Hook Spring               | EF063102#### |                       |
| 11      | Thread Hook Spring               | FX0627031200 | 12-Needle             |
| 12      | Spring Presser Bracket           | FX0633010000 | 12-Needle             |
| 13      | Thread Presser Base Set          | UN680032**** |                       |
| 14      | Thread Holder Bracket            | AT0323000000 |                       |
| 15      | Space Block B                    | CX0678010000 |                       |
| 16      | Thread Suspender Disk            | EF0637000000 |                       |
| 17      | Thread Suspender Spring          | EF0639000000 |                       |
| 18      | Thread Suspender Spring Presser  | EF0638000000 |                       |
| 19      | Thread Suspender Attaching Screw | AT2311000000 |                       |
| 20      | Thread Presser Base (with Tape)  | UN680171**** |                       |
| 21      | Thread Presser Base              | AT032400#### |                       |
| 22      | Velour Tape                      | AT032600#### |                       |
| 23      | Thread Presser Lid (with Tape)   | UN680181**** |                       |
| 24      | Thread Presser Lid               | AT0325000### |                       |
| 25      | Thread Presser Spacer            | AT0304010000 |                       |
| 26      | Change Roller Base               | CX068300#### |                       |
| 27      | Cam Roller Pin Set               | EF0519S00000 |                       |
| 28      | Space Block A                    | CX0677010000 |                       |
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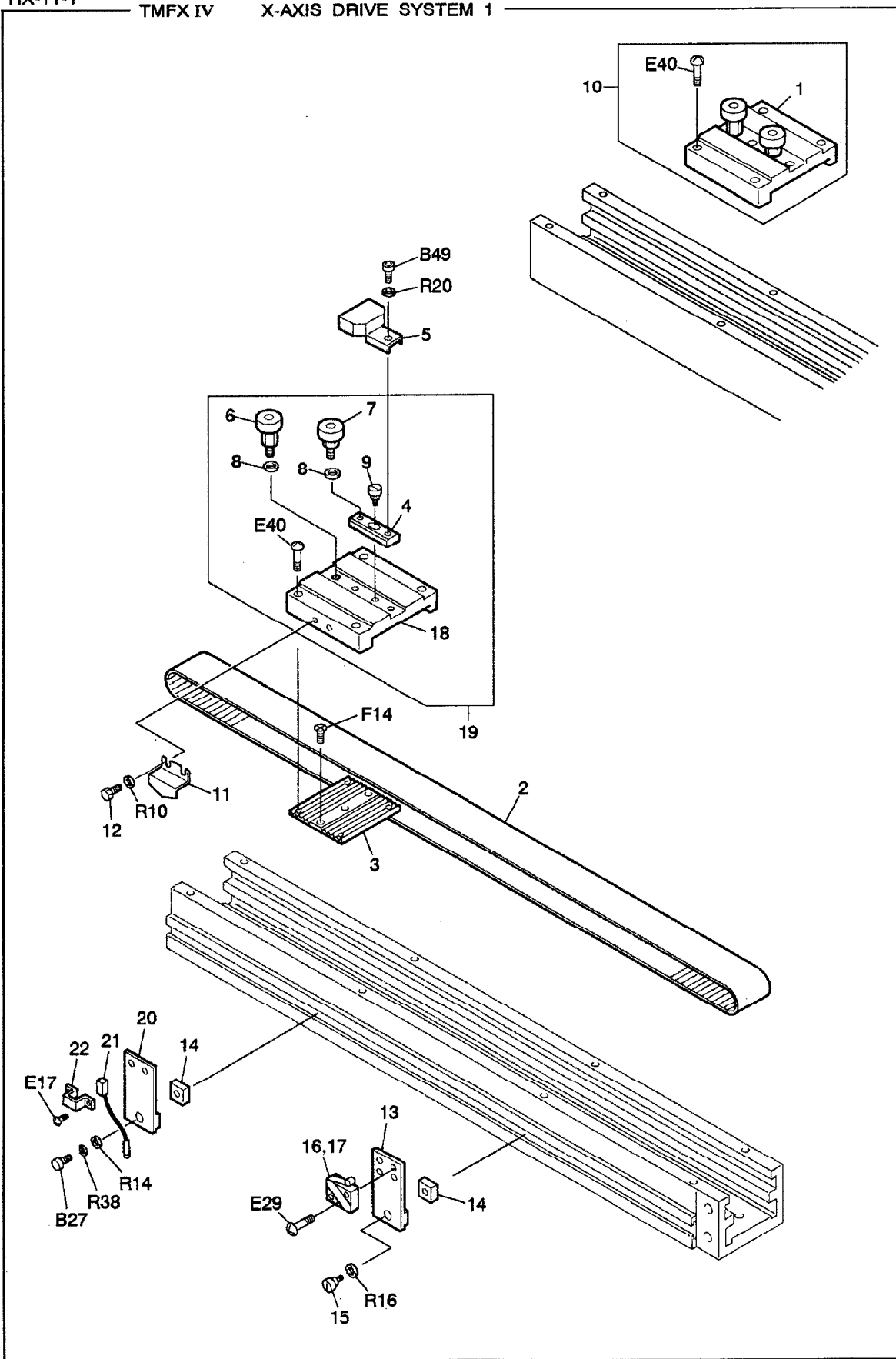
# TMFX IV FRONT COVER

HX-10

| Ref No. | Description                             | Part No.     | Remark |
|---------|-----------------------------------------|--------------|--------|
| 1       | Cover Attaching Bracket L Set           | BXL807020000 |        |
| 2       | Cover Attaching Bracket L               | BXL807120000 |        |
| 3       | Plate Magnet                            | FX0628200000 |        |
| 4       | Cover Attaching Bracket R Set           | BXR807020000 |        |
| 5       | Cover Attaching Bracket R               | BXR807120000 |        |
| 6       | Front Cover J                           | EH08690C**** |        |
| 7       | Cover Plate Spring                      | FX0805010000 |        |
| 8       | Stop Switch Base                        | EH089000**** |        |
| 9       | Push-button Switch                      | PB0019D0SP00 |        |
| 10      | Push-botton Switch Emergency Stop Plate | PB0019C0SP00 |        |
| 11      | Front Cover B                           | MX08160C**** |        |
| 12      | Cover Attaching Bracket L               | FX0628L30000 |        |
| 13      | Cover Attaching Bracket                 | FX0628030000 |        |
| 14      | Cover Attaching Bracket R               | FX0628R30000 |        |
| 15      | Front Cover A                           | MX08150A0000 |        |
| 16      | Cord Clamp                              | BX0810000000 |        |
| 17      | Arm L Cover                             | CX08M4000000 |        |
| 18      | L Cover Stud                            | CX0808010000 |        |
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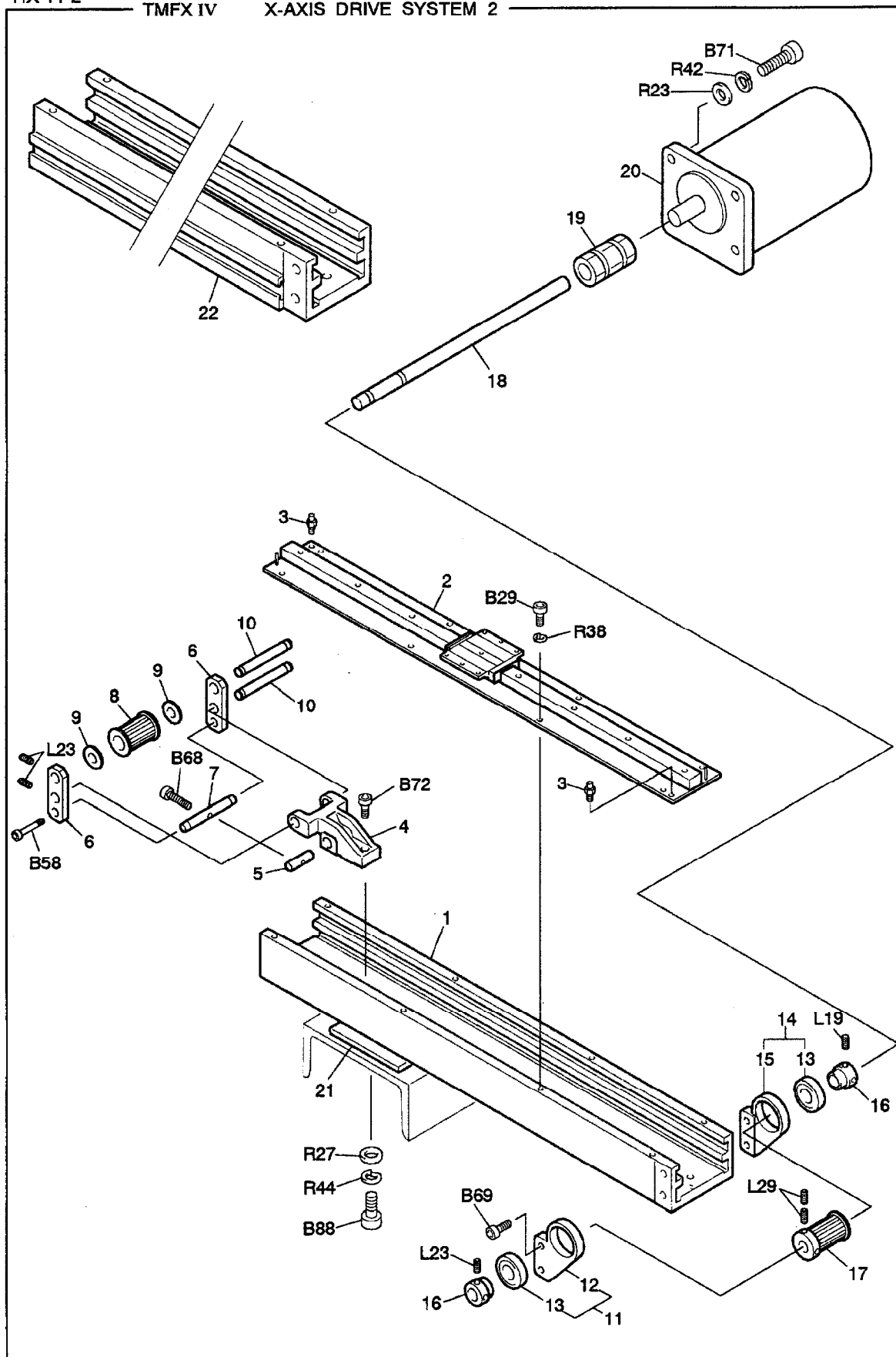
# TMFX IV X-AXIS DRIVE SYSTEM 1

HX-11-1

| Ref.No. | Description             | Part No.     | Remark          |
|---------|-------------------------|--------------|-----------------|
| 1       | X-axis Feed Plate C     | MX0735C00000 | Belt Width:50mm |
| 2       | Timing Belt             | BPS5M50N**** | 50mm wide type  |
| 3       | Belt Catcher Plate      | MX0732000000 |                 |
| 4       | Presser Roller Base     | EG0715020000 |                 |
| 5       | X-axis Roller Cover     | MX07140A0000 |                 |
| 6       | Bearing Pin A           | EG0778010000 |                 |
| 7       | Bearing Pin B           | EG0779010000 |                 |
| 8       | Roller Pin Spacer       | EG0770000000 |                 |
| 9       | Roller Base Guide Pin   | EG0718000000 |                 |
| 10      | X-axis Feed Plate C Set | UN110180MXC0 | Belt Width:50mm |
| 11      | LS Dog Base             | MX0730010000 |                 |
| 12      | Hexagon Bolt            | EG0780000000 |                 |
| 13      | Limit Switch Base B     | EG0727B10000 |                 |
| 14      | Fixing Base             | EG0730000000 |                 |
| 15      | Adjusting Knob          | EG0731000000 |                 |
| 16      | Limit Switch            | PB001000SP00 |                 |
| 17      | Actuator                | MS6602000000 |                 |
| 18      | X-axis Feed Plate D     | MX0735D00000 | Belt Width:50mm |
| 19      | X-axis Feed Plate D Set | UN110180MXD0 | Belt Width:50mm |
| 20      | Sensor Attaching Base B | EG0732B10000 |                 |
| 21      | Proximity Switch        | PB001000KN00 |                 |
| 22      | Proximity Switch Lock   | PB001000KN01 |                 |
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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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# TMFX IV X-AXIS DRIVE SYSTEM 2

HX-11-2

| Ref.No. | Description                         | Part No.     | Remark          |
|---------|-------------------------------------|--------------|-----------------|
| 1       | X-axis Driver Frame A               | C40721A0**** |                 |
| 2       | X-axis Drive Linear Base Set        | MX074800**** |                 |
| 3       | Stopper                             | MX0729000000 |                 |
| 4       | Tension Base Holder                 | MX0734000000 |                 |
| 5       | Driver Tension Shaft                | MX0728000000 |                 |
| 6       | Vertical Tension Base               | MX0723000000 |                 |
| 7       | Tension Shaft                       | MX0724000000 |                 |
| 8       | Tension-side Timing Pulley B Set    | UN110030B000 | Belt Width:50mm |
| 9       | Washer                              | BPTW12250000 |                 |
| 10      | Tension Pulley Shaft                | MX0725000000 |                 |
| 11      | Bearing Case Plate L (with Bearing) | MXS733L00000 |                 |
| 12      | Bearing Case Plate L                | MX0733L00000 |                 |
| 13      | Ball Bearing                        | BP6003ZZ0000 |                 |
| 14      | Bearing Case Plate R (with Bearing) | MXS733R00000 |                 |
| 15      | Bearing Case Plate R                | MX0733R00000 |                 |
| 16      | 15mm Dia. Bearing Collar            | EG0227000000 |                 |
| 17      | Driver-side Timing Pulley B         | MX0710B00000 | Belt Width:50mm |
| 18      | X-axis Drive Shaft                  | HX081200**** |                 |
| 19      | N-Coupling                          | BPN150150000 |                 |
| 20      | Pulse (Stepping) Motor              | DX6401010000 |                 |
| 21      | Driver Spacer C                     | EF0831A00000 | 0.5mm Thick     |
| 21      | Driver Spacer C                     | EF0831B00000 | 1.0mm Thick     |
| 21      | Driver Spacer C                     | EF0831C00000 | 2.0mm Thick     |
| 22      | X-axis Driver Frame B               | C40721B0**** |                 |
| 23      |                                     |              |                 |
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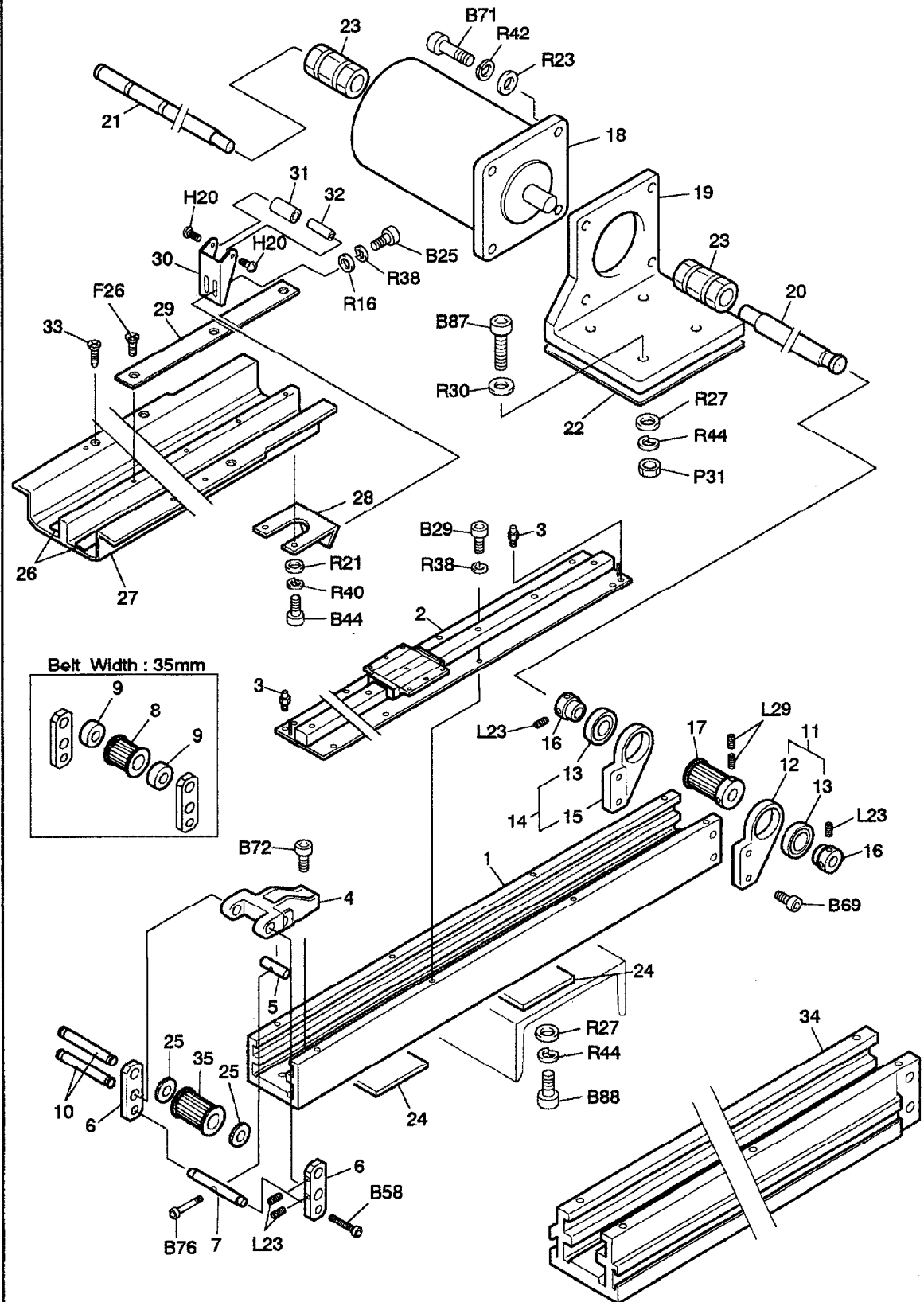
# TMFX IV Y-AXIS DRIVE SYSTEM 1

HX-12-1

| Ref.No. | Description                  | Part No.     | Remark            |
|---------|------------------------------|--------------|-------------------|
| 1       | Y-axis Feed Plate A          | MX0736A00000 | Belt Width:35mm   |
| 1       | Y-axis Feed Plate C          | MX0736C00000 | Belt Width:50mm   |
| 2       | Belt Catcher Plate           | MX0732000000 |                   |
| 3       | Timing Belt                  | BPS5M35N**** | 35mm wide type    |
| 3       | Timing Belt                  | BPS5M50N**** | 50mm wide type    |
| 4       | Roller Base Guide Pin        | EG0718000000 |                   |
| 5       | Presser Roller Base          | MX0715020000 |                   |
| 6       | Bearing Pin B                | EG0779010000 |                   |
| 7       | Bearing Pin A                | EG0778010000 |                   |
| 8       | Roller Pin Spacer            | EG0770000000 |                   |
| 9       | Frame Catcher Plate          | MX0313010000 |                   |
| 10      | Y-axis Feed Connecting Plate | MX073900**** |                   |
| 11      | Frame Presser Block          | MX0737010000 |                   |
| 12      | Roller Attaching Bracket     | MX0741000000 |                   |
| 13      | Y-axis Feed Front Pin        | MX0742000000 |                   |
| 14      | Y-axis Feed Plate, Front     | MX0738000000 |                   |
| 15      | Guide Plate                  | MX0743010000 |                   |
| 16      | Connecting Plate Felt        | MX0704100000 | Y:880mm or longer |
| 17      | Y-axis Feed Plate B          | MX0736B00000 | Belt Width:35mm   |
| 17      | Y-axis Feed Plate D          | MX0736D00000 | Belt Width:50mm   |
| 18      | LS Dog Base                  | MX0730010000 |                   |
| 19      | Hexagon Bolt                 | EG0780000000 |                   |
| 20      | Limit Switch Base B          | EG0727B10000 |                   |
| 21      | Fixing Base                  | EG0730000000 |                   |
| 22      | Adjusting Knob               | EG0731000000 |                   |
| 23      | Limit Switch                 | PB001000SP00 |                   |
| 24      | Actuator                     | MS6602000000 |                   |
| 25      | Y-axis Feed Plate A Set      | UN110170MXA0 | Belt Width:35mm   |
| 25      | Y-axis Feed Plate C Set      | UN110170MXC0 | Belt Width:50mm   |
| 26      | Y-axis Feed Plate B Set      | UN110170MXB0 | Belt Width:35mm   |
| 26      | Y-axis Feed Plate D Set      | UN110170MXD0 | Belt Width:50mm   |
| 27      | Sensor Attaching Base B      | EG0732B10000 |                   |
| 28      | Proximity Switch             | PB001000KN00 |                   |
| 29      | Proximity Switch Lock        | PB001000KN01 |                   |
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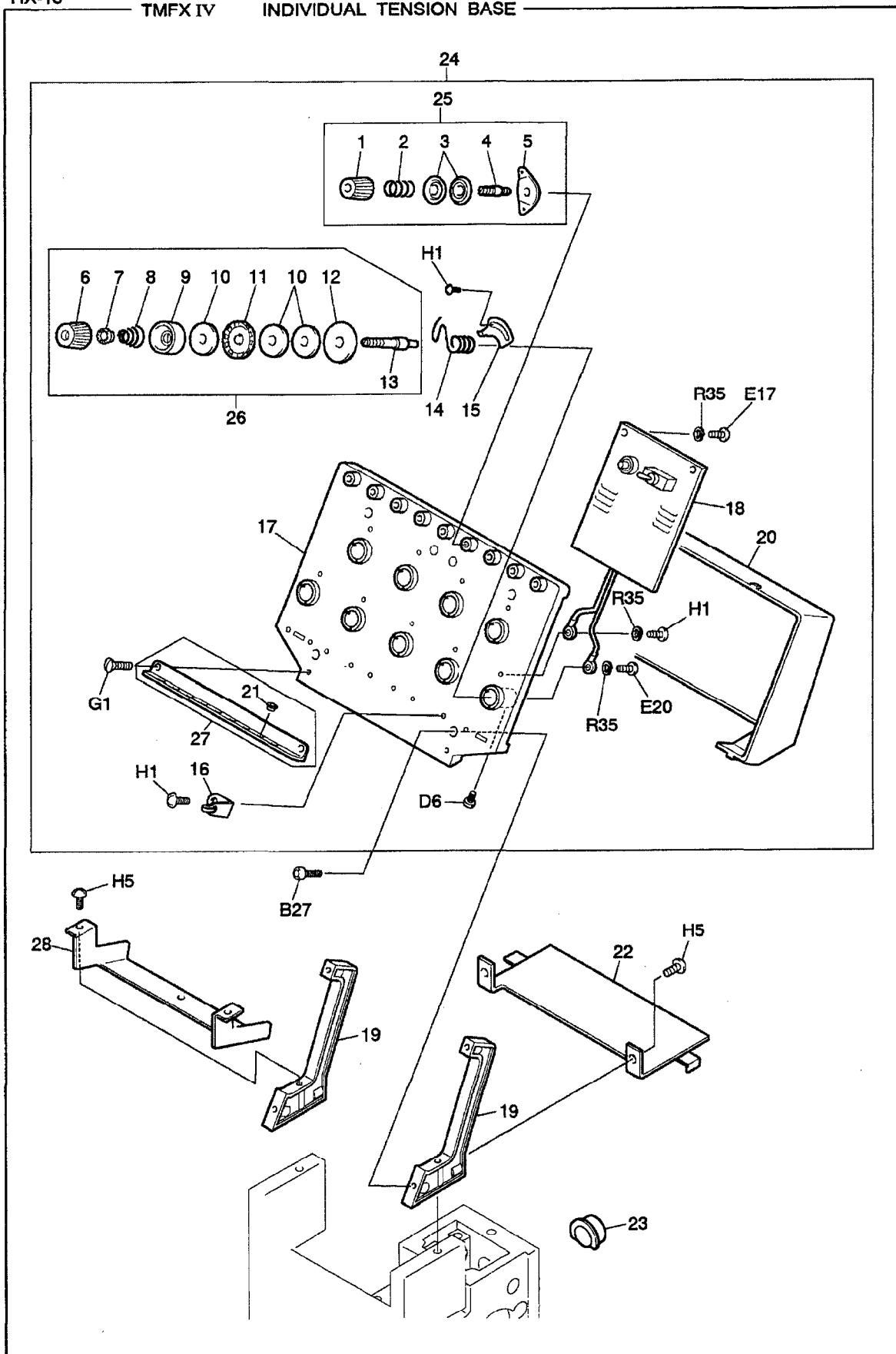
# TMFX IV Y-AXIS DRIVE SYSTEM 2

HX-12-2

| Ref.No. | Description                         | Part No.     | Remark          |
|---------|-------------------------------------|--------------|-----------------|
| 1       | Y-axis Driver Frame A               | C40720A0**** |                 |
| 2       | Y-axis Drive Linear Base Set        | MX074900**** |                 |
| 3       | Stopper                             | MX0729000000 |                 |
| 4       | Tension Base Holder                 | MX0734000000 |                 |
| 5       | Driver Tension Shaft                | MX0728000000 |                 |
| 6       | Vertical Tension Base               | MX0723000000 |                 |
| 7       | Tension Shaft                       | MX0724000000 |                 |
| 8       | Tension-side Timing Pulley A Set    | UN110030A000 | Belt Width:35mm |
| 9       | Tension Spacer                      | MX0726000000 |                 |
| 10      | Tension Pulley Shaft                | MX0725000000 |                 |
| 11      | Bearing Case Plate L (with Bearing) | MXS733L00000 |                 |
| 12      | Bearing Case Plate L                | MX0733L00000 |                 |
| 13      | Ball Bearing                        | BP6003ZZ0000 |                 |
| 14      | Bearing Case Plate R (with Bearing) | MXS733R00000 |                 |
| 15      | Bearing Case Plate R                | MX0733R00000 |                 |
| 16      | 15mm Dia. Bearing Collar            | EG0227000000 |                 |
| 17      | Driver-side Timing Pulley A         | MX0710A00000 | Belt Width:35mm |
| 17      | Driver-side Timing Pulley B         | MX0710B00000 | Belt Width:50mm |
| 18      | Pulse (Stepping) Motor              | DX6402010000 |                 |
| 19      | Pulse Motor Base                    | DXG701010000 |                 |
| 20      | Y15 Shaft A                         | DX0809A0**** |                 |
| 21      | Y15 Shaft B                         | DX0809B0**** |                 |
| 22      | Pulse Motor Spacer A                | DX0702A00000 | 0.5mm Thick     |
| 22      | Pulse Motor Spacer B                | DX0702B00000 | 1.0mm Thick     |
| 22      | Pulse Motor Spacer C                | DX0702C00000 | 2.0mm Thick     |
| 23      | N-Coupling                          | BPN150150000 |                 |
| 24      | Driver Spacer C                     | EF0831A00000 | 0.5mm Thick     |
| 24      | Driver Spacer C                     | EF0831B00000 | 1.0mm Thick     |
| 24      | Driver Spacer C                     | EF0831C00000 | 2.0mm Thick     |
| 25      | Washer                              | BPTW12250000 |                 |
| 26      | Front Rail Plate                    | MX074010**** |                 |
| 27      | Front Rail Holder                   | MX074001**** |                 |
| 28      | Bearing Case Base A                 | EF0721A10000 |                 |
| 29      | Y-axis Feed Rail Plate              | MX074400**** |                 |
| 30      | Bearing Case A                      | MX0745000000 |                 |
| 31      | Roller                              | EF0722000000 |                 |
| 32      | Roller Pin                          | EF0723010000 |                 |
| 33      | Countersunk Head Wood Screw         |              | 4.1P*20         |
| 34      | Y-axis Driver Frame B               | C40720B0**** |                 |
| 35      | Tension-side Timing Pulley B Set    | UN110030B000 | Belt Width:50mm |
| 36      |                                     |              |                 |
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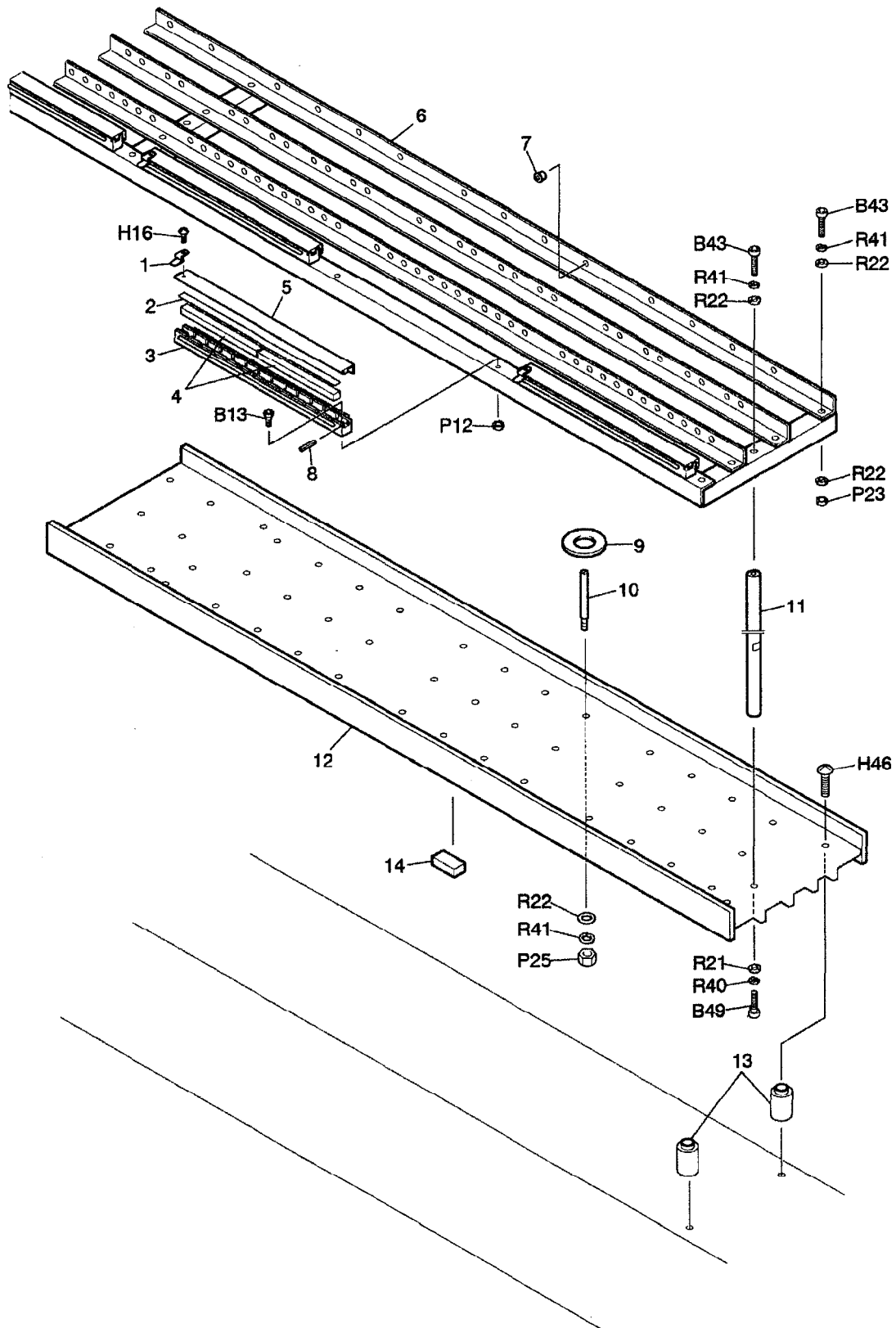
# TMFX IV INDIVIDUAL TENSION BASE

HX-13

| Ref.No. | Description                             | Part No.     | Remark |
|---------|-----------------------------------------|--------------|--------|
| 1       | First Tension Thread 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                 | FX09010B#### |        |
| 18      | Tension Base Card (PC Board)            | MX7202010000 |        |
| 19      | Individual Tension Base Support         | EC0905000000 |        |
| 20      | Tension Base Cover                      | FX09030A#### |        |
| 21      | Thread Guide                            | MX0521000000 |        |
| 22      | Tension Base Cord Cover A (Right Side)  | HX090100#### |        |
| 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      | Tension Base Lower Thread Guide         | CX090101#### |        |
| 28      | Cord Support Cover                      | FC09100C#### |        |
| 29      |                                         |              |        |
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# TMFX IV THREAD STAND

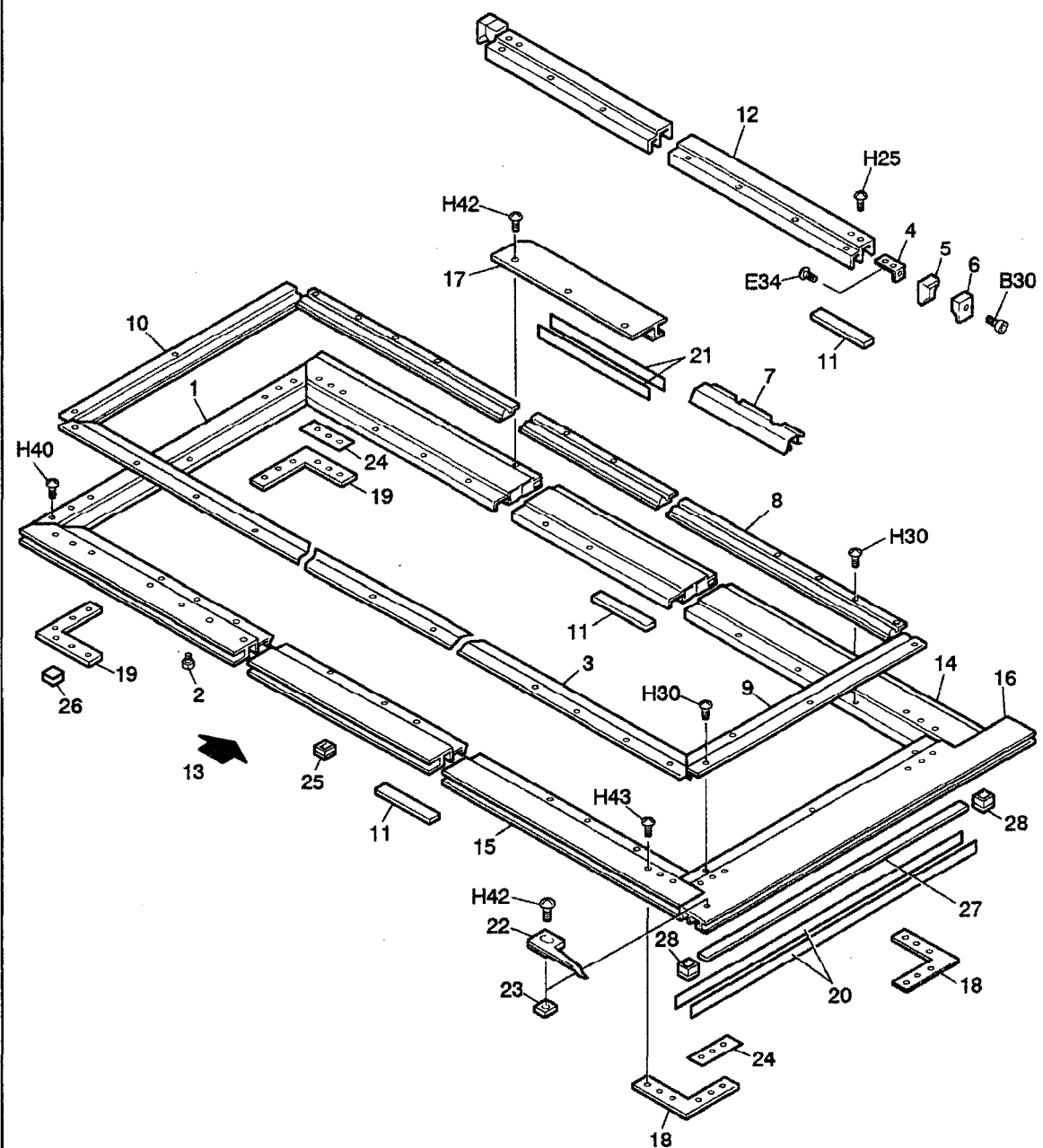
HX-14

| 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       | No.1 Tension Set                 | UN150500B001 |        |
| 7       | Thread Guide A                   | EF0942A00000 | White  |
| 7       | Thread Guide B                   | EF0942B00000 | Red    |
| 8       | Thread Course                    | MX080402**** |        |
| 9       | Thread Stand Felt                | EF0940000000 |        |
| 10      | Thread Stand Stud                | EF0939010000 |        |
| 11      | Thread Stand Shaft A             | ED0860A00000 |        |
| 12      | Thread Stand Plate               | MX080501**** |        |
| 13      | Thread Stand Plate Spacer        | ED0849000000 |        |
| 14      | Thread Stand Plate Felt          | MX0805120000 |        |
| 15      | Thread Course Stay               | MX083000**** |        |
| 16      | Reinforcing Guide                | MX0837010000 |        |
| 17      | Rubber Bushing                   | BPQ400000000 |        |
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From the library of: Superior Sewing Machine & Supply LLC



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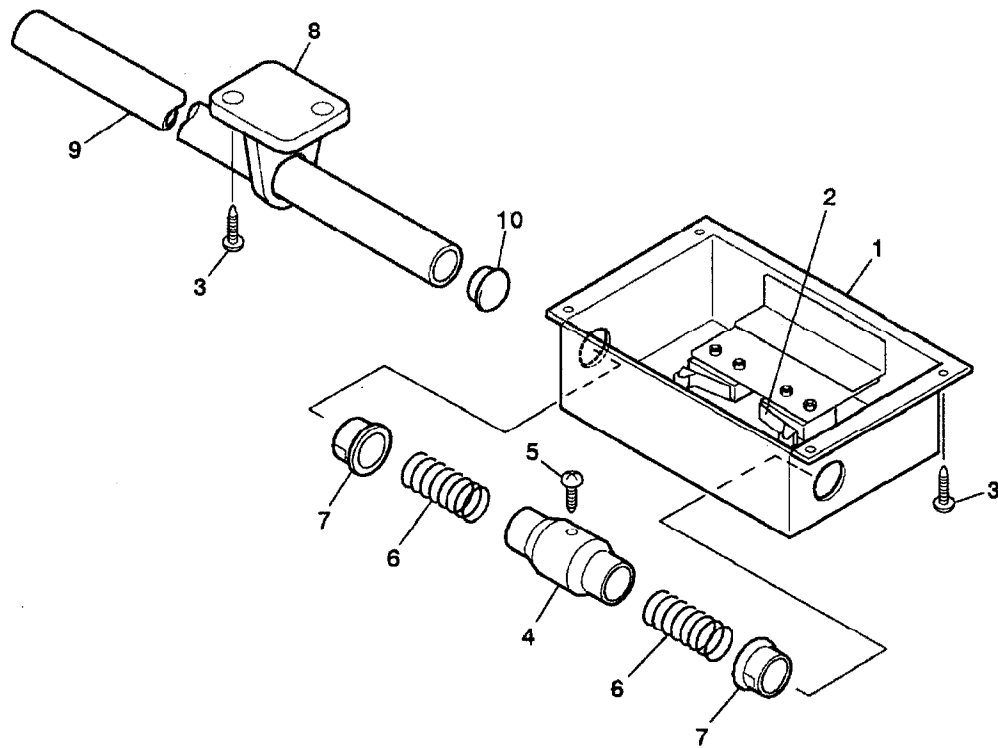
# TMFX IV EMBROIDERY FRAME

HX-15

| Ref.No. | Description                          | Part No.     | Remark |
|---------|--------------------------------------|--------------|--------|
| 1       | Left Side Y-axis Frame Sash          | MX030200**** |        |
| 2       | Screw Ring                           | EF0303000000 |        |
| 3       | Border Frame Crosswise Sash          | EG031200**** |        |
| 4       | Inner Frame Attachment C             | EF0311000000 |        |
| 5       | Inner Frame Attachment A             | EF0309000000 |        |
| 6       | Inner Frame Attachment B             | EF0310000000 |        |
| 7       | One-touch Special Clip               | EG032600**** |        |
| 8       | Border Frame Crosswise Sash B        | EG0312B0**** |        |
| 9       | Border Frame Lengthwise Sash R       | EF0305R1**** |        |
| 10      | Border Frame Lengthwise Sash L       | EF0305L1**** |        |
| 11      | No.4 Felt                            | EG0317000000 |        |
| 12      | Middle Sash                          | EG031301**** |        |
| 13      | Base Frame Sash Set                  | DX0301S0**** |        |
| 14      | Rear Sash                            | MX030400**** |        |
| 15      | Front Sash                           | DX030100**** |        |
| 16      | Right Side Y-axis Frame Sash         | MX030100**** |        |
| 17      | Rear Frame Sash Rail                 | MX030500**** |        |
| 18      | Right Corner C                       | MX0306000000 |        |
| 19      | Left Corner C                        | MX0307000000 |        |
| 20      | Rail Plate, Lengthwise               | MX031000**** |        |
| 21      | Rail Plate, Crosswise                | MX031100**** |        |
| 22      | Embroidery Space Indicator           | MX0312000000 |        |
| 23      | Embroidery Space Indicator Plate Nut | SF0314000000 |        |
| 24      | Corner Liner                         | MX0314000000 |        |
| 25      | No.1 Cork Set                        | EG0321020000 |        |
| 26      | No.3 Cork Set                        | EG0325010000 |        |
| 27      | Right Side Y-axis Frame Sash Felt    | MX0309010000 |        |
| 28      | No.5 Cork Set                        | MX0315020000 |        |
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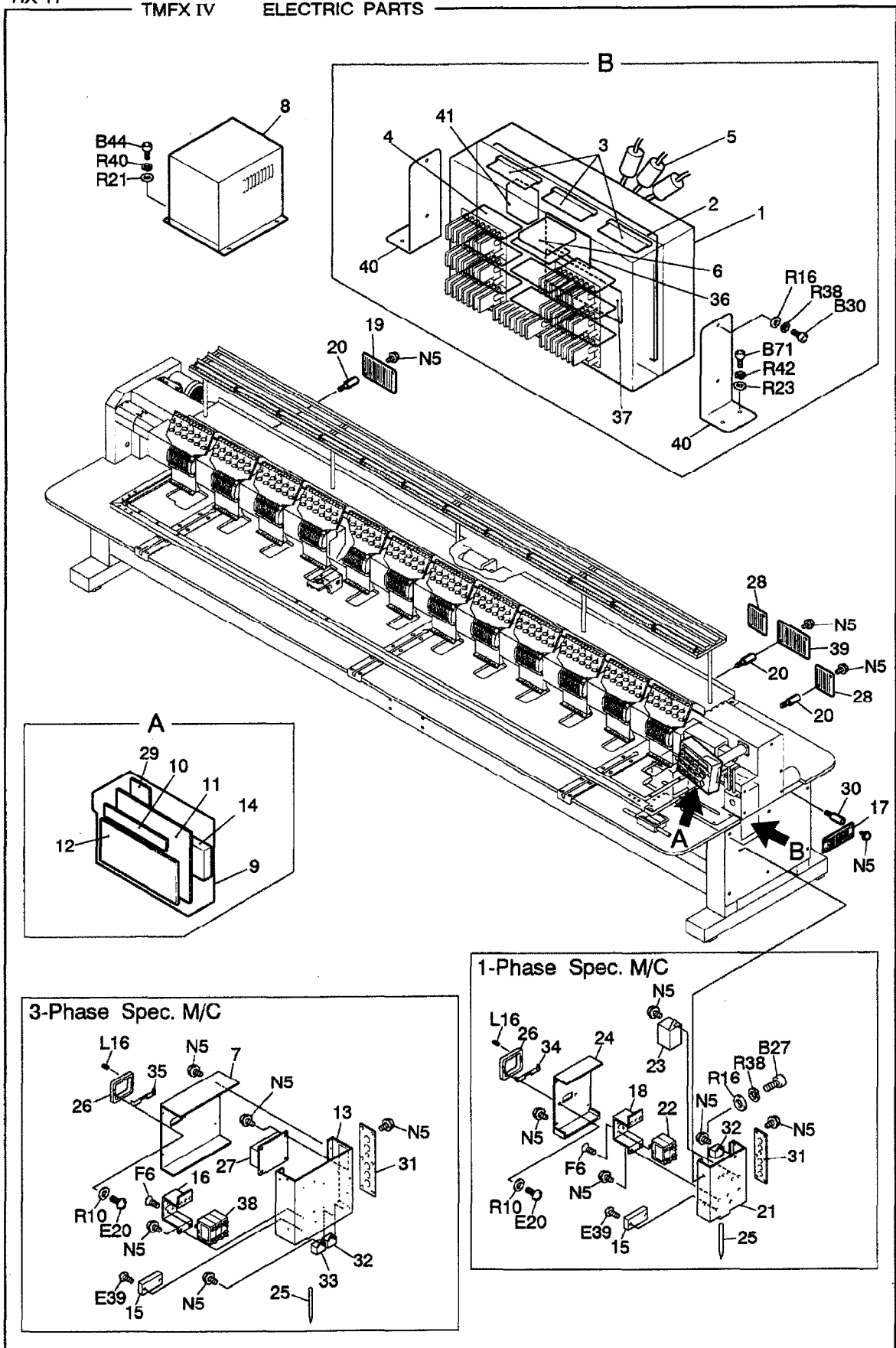
# TMFX IV BAR SWITCH BOX

HX-16

| 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      | Side Cover Lid           | EF1109200000 |         |
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| 50      |                          |              |         |

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

(BH11)



# TMFX IV ELECTRIC PARTS

HX-17

| Ref.No. | Description                         | Part No.     | Remark                        |
|---------|-------------------------------------|--------------|-------------------------------|
| 1       | Power Supply Driver Box             | HX5600000000 |                               |
| 2       | Mother Board                        | HX5601000000 |                               |
| 3       | Driver CPU Card                     | CT5602000000 |                               |
| 4       | Driver Card (PC Board)              | HX5602000000 |                               |
| 5       | Clamp Filter                        | PB000500FM00 |                               |
| 6       | Fan                                 | PB001800BF00 |                               |
| 7       | Breaker Cover                       | HX0818000000 |                               |
| 8       | Separate Transformer                | PA6018000000 | 350-440 VAC Specification M/C |
| 8       | Fluorescent Lamp Transformer Unit 2 | PA6017010000 | Export M/C with Fluores. Lamp |
| 9       | Controller                          | HX5100000000 |                               |
| 10      | FIP (Indicator Assembly)            | PB001100LP00 |                               |
| 11      | CPU Card                            | MX5101A50000 |                               |
| 12      | Switch Card                         | MX5102000000 |                               |
| 13      | Breaker Bracket                     | HX0817000000 | 3-Phase Spec. M/C             |
| 14      | Floppy Disk Drive                   | PB000800RE00 |                               |
| 15      | Terminal Base                       | PB000900TB00 |                               |
| 16      | Breaker Stand                       | CX08J1310000 | 3-Phase Spec. M/C             |
| 17      | Joint Card (PC Board)               | MX6101000000 |                               |
| 18      | Breaker Stand                       | CX08J1210000 | 1-Phase Spec. M/C             |
| 19      | Head Card                           | HX6101000000 |                               |
| 20      | Card Stud                           | CT1112000000 |                               |
| 21      | Breaker Bracket                     | CX08J1010000 | 1-Phase Spec. M/C             |
| 22      | Circuit Protector                   | PB002700KA00 | 1-Phase Spec. M/C             |
| 23      | Noise Filter                        | PB000800FM00 | 1-Phase Spec. M/C             |
| 24      | Breaker Cover                       | CX08J1110000 | 1-Phase Spec. M/C             |
| 25      | Grounding Bar                       | PB000500WA00 |                               |
| 26      | Switch Guard                        | CX08J1510000 | 3-Phase Spec. M/C             |
| 27      | Noise Filter                        | PB000700FM00 | 3-Phase Spec. M/C             |
| 28      | I/F Card                            | HX6102000000 |                               |
| 29      | Extension Card                      | HX5101000000 |                               |
| 30      | Card Stud                           | CX0853010000 |                               |
| 31      | Breaker Panel                       | CX08J1410000 |                               |
| 32      | Surge Protector                     | PB001500RS00 | 1&3 Phase Spec.M/C            |
| 33      | Surge Protector                     | PB001400RS00 | 3-Phase Spec. M/C             |
| 34      | Breaker Lock                        | CX08J1800000 | 1-Phase Spec. M/C             |
| 35      | Breaker Lock                        | CX08J1700000 | 3-Phase Spec. M/C             |
| 36      | 5V Power Supply Card                | PB003200PW00 |                               |
| 37      | 24V Power Supply Card               | PB0025A1PW00 |                               |
| 38      | Circuit Protector                   | PB002800KA00 | 3-Phase Spec. M/C             |
| 39      | ATH Card                            | HX7101000000 |                               |
| 40      | Power Supply Box Stand              | HX0811000000 |                               |
| 41      | Fan                                 | PB001100BF00 |                               |
| 42      |                                     |              |                               |
| 43      |                                     |              |                               |
| 44      |                                     |              |                               |
| 45      |                                     |              |                               |
| 46      |                                     |              |                               |
| 47      |                                     |              |                               |
| 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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| No. | Part No.                      | Remark        | No. | Part No.     | Remark |
|-----|-------------------------------|---------------|-----|--------------|--------|
| A   | Flat Fillister Head Screw     |               | B17 | SS6203180TN0 | M3*18  |
| A1  | SM15015450CN                  | 1/8*44*5      | B18 | SS6203200TD0 | M3*20  |
| A2  | SM15015455CN                  | 1/8*44*5.5    | B19 | SS6203200TN0 | M3*20  |
| A3  | SM15015460CN                  | 1/8*44*6      | B20 | SS6203250TN0 | M3*25  |
| A4  | SM16515530CN                  | 9/64*40*3     | B21 | SS6204050TD0 | M4*5   |
| A5  | SM14020540CN                  | 9/64*40*4     | B22 | SS6204050TN0 | M4*5   |
| A6  | SM16516540SA                  | 9/64*40*4     | B23 | SS6204060TN0 | M4*6   |
| A7  | SM17010540CN                  | 9/64*40*4     | B24 | SS6204080TD0 | M4*8   |
| A8  | SM1E515550CN                  | 9/64*40*5     | B25 | SS6204080TN0 | M4*8   |
| A9  | SM14020560CN                  | 9/64*40*6     | B26 | SS6204100TD0 | M4*10  |
| A10 | SM15525560CN                  | 9/64*40*6     | B27 | SS6204100TN0 | M4*10  |
| A11 | SM15526570CN                  | 9/64*40*7     | B28 | SS6204120TD0 | M4*12  |
| A12 | SM15020580CN                  | 9/64*40*8     | B29 | SS6204120TN0 | M4*12  |
| A13 | SM15530580CN                  | 9/64*40*8     | B30 | SS6204150TN0 | M4*15  |
| A14 | SM16025580CN                  | 9/64*40*8     | B31 | SS6204180TN0 | M4*18  |
| A15 | SM150205A0CN                  | 9/64*40*10    | B32 | SS6204200TD0 | M4*20  |
| A16 | SM150205C0CN                  | 9/64*40*12    | B33 | SS6204200TN0 | M4*20  |
| A17 | SM150205F0CN                  | 9/64*40*15    | B34 | SS6204250TN0 | M4*25  |
| A18 | SM15422643TN                  | 11/64*40*4.3  | B35 | SS6204250TN1 | M4*25  |
| A19 | SM17017670CN                  | 11/64*40*7    | B36 | SS6204300TN0 | M4*30  |
| A20 | SM1C035675CN                  | 11/64*40*7.5  | B37 | SS6204350TN0 | M4*35  |
| A21 | SM10825690SH                  | 11/64*40*9    | B38 | SS6204400TN0 | M4*40  |
| A22 | SM146266B5CN                  | 11/64*40*11.5 | B39 | SS6204450TN0 | M4*45  |
| A23 | SM172316C0CN                  | 11/64*40*12   | B40 | SS6205060TN0 | M5*6   |
| A24 | SS6003080SC0                  | M3*8          | B41 | SS6205080TD0 | M5*8   |
| A25 | SS6003080SD0                  | M3*8          | B42 | SS6205080TN0 | M5*8   |
| A26 | SS6003100CC0                  | M3*10         | B43 | SS6205100TD0 | M5*10  |
| A27 | SS6004100SC0                  | M4*10         | B44 | SS6205100TN0 | M5*10  |
|     |                               |               | B45 | SS6205100TP0 | M5*10  |
|     |                               |               | B46 | SS6205120TN0 | M5*12  |
|     |                               |               | B47 | SS6205140TN0 | M5*14  |
|     |                               |               | B48 | SS6205150TD0 | M5*15  |
|     |                               |               | B49 | SS6205150TN0 | M5*15  |
| B   | Hexagon Socket Head Cap Screw |               | B50 | SS6205160TN0 | M5*16  |
| B1  | SS6202080TD0                  | M2*8          | B51 | SS6205180TN0 | M5*18  |
| B2  | SS6202100TD0                  | M2*10         | B52 | SS6205200TD0 | M5*20  |
| B3  | SS6276050TN0                  | M2.6*5        | B53 | SS6205200TN0 | M5*20  |
| B4  | SS6203030TN0                  | M3*3          | B54 | SS6205220TN0 | M5*22  |
| B5  | SS6203040TN0                  | M3*4          | B55 | SS6205230TN0 | M5*23  |
| B6  | SS6203050TN0                  | M3*5          | B56 | SS6205250TN0 | M5*25  |
| B7  | SS6203060TD0                  | M3*6          | B57 | SS6205300TN0 | M5*30  |
| B8  | SS6203060TN0                  | M3*6          | B58 | SS6205350TN0 | M5*35  |
| B9  | SS6203080TD0                  | M3*8          | B59 | SS6205350TN1 | M5*35  |
| B10 | SS6203080TN0                  | M3*8          | B60 | SS6205500TN0 | M5*50  |
| B11 | SS6203100TD0                  | M3*10         | B61 | SS6205500TN1 | M5*50  |
| B12 | SS6203100TN0                  | M3*10         | B62 | SS6205550TN0 | M5*55  |
| B13 | SS6203120TN0                  | M3*12         | B63 | SS6205600TN0 | M5*60  |
| B14 | SS6203150TD0                  | M3*15         | B64 | SS6205600TN1 | M5*60  |
| B15 | SS6203150TN0                  | M3*15         | B65 | SS6206080TN0 | M6*8   |
| B16 | SS6203160TN0                  | M3*16         | B66 | SS6206090TN0 | M6*9   |

# B.C.D.E

| No.  | Part No.                      | Remark | No. | Part No.                   | Remark       |
|------|-------------------------------|--------|-----|----------------------------|--------------|
| B    | Hexagon Socket Head Cap Screw |        | C10 | SS9306500SD0               | M6*50        |
| B67  | SS6206100TN0                  | M6*10  | C11 | SS9306550SD0               | M6*55        |
| B68  | SS6206120TN0                  | M6*12  | C12 | SS9306650SD0               | M6*65        |
| B69  | SS6206150TN0                  | M6*15  | C13 | SS9306750SC0               | M6*75        |
| B70  | SS6206180TN0                  | M6*18  | C14 | SS9308150TN0               | M8*15        |
| B71  | SS6206200TN0                  | M6*20  | C15 | SS9308180TN0               | M8*18        |
| B72  | SS6206250TN0                  | M6*25  | C16 | SS9310300TN0               | M10*30       |
| B73  | SS6206300TN0                  | M6*30  | C17 | SS9310350SC0               | M10*35       |
| B74  | SS6206350TN0                  | M6*35  | C18 | SS9310350TN0               | M10*35       |
| B75  | SS6206400TN0                  | M6*40  | C19 | SS9310400SC1               | M10*40       |
| B76  | SS6206450TN0                  | M6*45  | C20 | SS9312500TN0               | M12*50       |
| B77  | SS6206450TN1                  | M6*45  |     |                            |              |
| B78  | SS6206500TN1                  | M6*50  |     |                            |              |
| B79  | SS6206650TN0                  | M6*65  |     |                            |              |
| B80  | SS6506750TN1                  | M6*75  |     |                            |              |
| B81  | SS6206800TN1                  | M6*80  |     |                            |              |
| B82  | SS6206A00TN0                  | M6*100 | D   | Round Fillister Head Screw |              |
| B83  | SS6208120TN0                  | M8*12  | D1  | SM66514540CL               | 9/64*40*4    |
| B84  | SS6208150TN0                  | M8*15  | D2  | SM66015550CL               | 9/64*40*5    |
| B85  | SS6208150TP0                  | M8*15  | D3  | SM66015550CN               | 9/64*40*5    |
| B86  | SS6208200TN0                  | M8*20  | D4  | SM67018550CN               | 9/64*40*5    |
| B87  | SS6208250TN0                  | M8*25  | D5  | SM67020550CN               | 9/64*40*5    |
| B88  | SS6208300TN0                  | M8*30  | D6  | SM66015560CL               | 9/64*40*6    |
| B89  | SS6208350TN0                  | M8*35  | D7  | SM66015560CN               | 9/64*40*6    |
| B90  | SS6208400TN0                  | M8*40  | D8  | SM67020560CL               | 9/64*40*6    |
| B91  | SS6208400TN1                  | M8*40  | D9  | SM67020560CN               | 9/64*40*6    |
| B92  | SS6208450TN0                  | M8*45  | D10 | SM65817568CN               | 9/64*40*6.8  |
| B93  | SS6208450TN1                  | M8*45  | D11 | SM67020580CN               | 9/64*40*8    |
| B94  | SS6208500TN0                  | M8*50  | D12 | SM660255A0CN               | 9/64*40*10   |
| B95  | SS6208600TN0                  | M8*60  | D13 | SM670205C0CN               | 9/64*40*12   |
| B96  | SS6208700TN0                  | M8*70  | D14 | SM67015660CL               | 11/64*40*6   |
| B97  | SS6210250TN0                  | M10*25 | D15 | SM67010665CL               | 11/64*40*6.5 |
| B98  | SS6210300TN0                  | M10*30 | D16 | SM675306C0CN               | 11/64*40*12  |
| B99  | SS6210400TN0                  | M10*40 | D17 | SM675256F0CN               | 11/64*40*15  |
| B100 | SS6212300TN0                  | M12*30 | D18 | SM69065CQ5CN               | 9/32*28*24.5 |
|      |                               |        | D19 | SS7003050SD0               | M3*5         |
|      |                               |        |     |                            |              |
|      |                               |        |     |                            |              |
|      |                               |        |     |                            |              |
|      |                               |        |     |                            |              |
|      |                               |        |     |                            |              |
| C    | Hexagon Bolt                  |        |     |                            |              |
| C1   | SS9303060SD0                  | M3*6   | E   | Pan Head Screw             |              |
| C2   | SS9304080SD0                  | M4*8   | E1  | SS4164014MZ0               | M1.4*1.4     |
| C3   | SS9305100SD0                  | M5*10  | E2  | SS4102030MZ0               | M2*3         |
| C4   | SS9305150SC0                  | M5*15  | E3  | SS4102040MZ0               | M2*4         |
| C5   | SS9305150SD0                  | M5*15  | E4  | SS4102080MZ0               | M2*8         |
| C6   | SS9305200SD0                  | M5*20  | E5  | SS4175030MZ0               | M2.5*3       |
| C7   | SS9306150SC0                  | M6*15  | E6  | SS4175040MZ0               | M2.5*4       |
| C8   | SS9306450SD0                  | M6*45  | E7  | SS4175050MZ0               | M2.5*5       |
| C9   | SS9306500SC0                  | M6*50  | E8  | SS4175080MZ0               | M2.5*8       |

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| No. | Part No.       | Remark  | No. | Part No.               | Remark     |
|-----|----------------|---------|-----|------------------------|------------|
| E   | Pan Head Screw |         |     |                        |            |
| E9  | SS4175130MZ0   | M2.5*13 |     |                        |            |
| E10 | SS4175130SD0   | M2.5*13 |     |                        |            |
| E11 | SS4103030MZ0   | M3*3    | F   | Countersunk Head Screw |            |
| E12 | SS4103030SD0   | M3*3    | F1  | SMA55005A0CN           | 9/64*40*10 |
| E13 | SS4103040CD0   | M3*4    | F2  | SMB7000680CN           | 11/64*40*8 |
| E14 | SS4103040MZ0   | M3*4    | F3  | SS1102060SD0           | M2*6       |
| E15 | SS4103040SD0   | M3*4    | F4  | SS1103040MZ0           | M3*4       |
| E16 | SS4103050MZ0   | M3*5    | F5  | SS1103040SD0           | M3*4       |
| E17 | SS4103050SD0   | M3*5    | F6  | SS1103050SD0           | M3*5       |
| E18 | SS4103060MZ0   | M3*6    | F7  | SS1003060SD0           | M3*6       |
| E19 | SS4103060SA0   | M3*6    | F8  | SS1103060MZ0           | M3*6       |
| E20 | SS4103060SD0   | M3*6    | F9  | SS1103060SD0           | M3*6       |
| E21 | SS4103080MZ0   | M3*8    | F10 | SS1103070SD0           | M3*7       |
| E22 | SS4103080SA0   | M3*8    | F11 | SS1003080SD0           | M3*8       |
| E23 | SS4103080SD0   | M3*8    | F12 | SS1103080MZ0           | M3*8       |
| E24 | SS4103100SC1   | M3*10   | F13 | SS1103080SC0           | M3*8       |
| E25 | SS4103100SD0   | M3*10   | F14 | SS1103080SD0           | M3*8       |
| E26 | SS4103120MZ0   | M3*12   | F15 | SS1103080SN0           | M3*8       |
| E27 | SS4103120SD0   | M3*12   | F16 | SS1103100SD0           | M3*10      |
| E28 | SS4103140SA0   | M3*14   | F17 | SS1103120MZ0           | M3*12      |
| E29 | SS4103140SD0   | M3*14   | F18 | SS1103120SD0           | M3*12      |
| E30 | SS4103150SD0   | M3*15   | F19 | SS1103150MZ0           | M3*15      |
| E31 | SS4103400SD1   | M3*40   | F20 | SS1103160SD0           | M3*16      |
| E32 | SS4103500SD1   | M3*50   | F21 | SS1104050SD0           | M4*5       |
| E33 | SS4104040SD0   | M4*4    | F22 | SS1104060SD0           | M4*6       |
| E34 | SS4104050SD0   | M4*5    | F23 | SS1104080MZ0           | M4*8       |
| E35 | SS4104060MZ0   | M4*6    | F24 | SS1104080SD0           | M4*8       |
| E36 | SS4104060SD0   | M4*6    | F25 | SS1104100MZ0           | M4*10      |
| E37 | SS4104080SD0   | M4*8    | F26 | SS1104100SD0           | M4*10      |
| E38 | SS4104100SD0   | M4*10   | F27 | SS1104120SD0           | M4*12      |
| E39 | SS4104120SD0   | M4*12   | F28 | SS1104140SD0           | M4*14      |
| E40 | SS4104150SD0   | M4*15   | F29 | SS1104150SD0           | M4*15      |
| E41 | SS4104180SD0   | M4*18   | F30 | SS1104200SD0           | M4*20      |
| E42 | SS4104300SD0   | M4*30   | F31 | SS1104220SD0           | M4*22      |
| E43 | SS4104500SD0   | M4*50   | F32 | SS1104250SD0           | M4*25      |
| E44 | SS4104600SD1   | M4*60   | F33 | SS1105060SD0           | M5*6       |
| E45 | SS4105060SD0   | M5*6    | F34 | SS1105080SD0           | M5*8       |
| E46 | SS4105070SD0   | M5*7    | F35 | SS1105100SD0           | M5*10      |
| E47 | SS4105080SD0   | M5*8    | F36 | SS1105120SD0           | M5*12      |
| E48 | SS4105100MZ0   | M5*10   | F37 | SS1105150SD0           | M5*15      |
| E49 | SS4105100SD0   | M5*10   | F38 | SS1105300SD0           | M5*30      |
| E50 | SS4105120SD0   | M5*12   | F39 | SS1105350SD0           | M5*35      |
| E51 | SS4105300SD1   | M5*12   | F40 | SS1106150SC0           | M6*15      |
| E52 | SS4105150SD0   | M5*15   | F41 | SS1106150SD0           | M6*15      |
| E53 | SS4105450SD1   | M5*45   | F42 | SS1106350SD0           | M6*35      |
| E54 | SS4105500SD1   | M5*50   | F43 | SS1108120SD0           | M8*12      |
| E55 | SS4105600SD1   | M5*60   | F44 | SS1108700TW0           | M8*70      |
|     |                |         |     |                        |            |
|     |                |         |     |                        |            |

# G.H.J.K

| No. | Part No.                     | Remark      | No. | Part No.          | Remark       |
|-----|------------------------------|-------------|-----|-------------------|--------------|
| G   | Round Countersunk Head Screw |             | H36 | SS0105050SD0      | M5*5         |
| G1  | SMC5000460CL                 | 1/8*44*6    | H37 | SS0105060SD0      | M5*6         |
| G2  | SMC5000530CL                 | 9/64*40*3   | H38 | SS0105065SD0      | M5*6.5       |
| G3  | SMC5000535CL                 | 9/64*40*3.5 | H39 | SS0105070SD0      | M5*7         |
| G4  | SMC5000540CL                 | 9/64*40*4   | H40 | SS0105080SD0      | M5*8         |
| G5  | SMC5000560CL                 | 9/64*40*6   | H41 | SS0105100CB0      | M5*10        |
| G6  | SMC5000570CL                 | 9/64*40*7   | H42 | SS0105100SD0      | M5*10        |
| G7  | SMC5000595CL                 | 9/64*40*9.5 | H43 | SS0105120SD0      | M5*12        |
| G8  | SMC50005C0CL                 | 9/64*40*12  | H44 | SS0105150SD0      | M5*15        |
|     |                              |             | H45 | SS0105200SD0      | M5*20        |
|     |                              |             | H46 | SS0105250SD0      | M5*25        |
|     |                              |             | H47 | SS0106080SD0      | M6*8         |
|     |                              |             | H48 | SS0106100SD0      | M6*10        |
|     |                              |             | H49 | SS0106220SD0      | M6*22        |
| H   | Truss Head Screw             |             | H50 | SS0106250SD0      | M6*25        |
| H1  | SMF6016470CL                 | 1/8*44*7    | H51 | SS0106350SD0      | M6*35        |
| H2  | SMF8020530CL                 | 9/64*40*3.5 | H52 | SS0106400SD0      | M6*40        |
| H3  | SMF8020540CL                 | 9/64*40*4   |     |                   |              |
| H4  | SME9510540CM                 | 9/64*40*4   |     |                   |              |
| H5  | SMF8020560CL                 | 9/64*40*6   |     |                   |              |
| H6  | SMF8020580CL                 | 9/64*40*8   |     |                   |              |
| H7  | SS0175030MZ0                 | M2.5*3      |     |                   |              |
| H8  | SS0175030SD0                 | M2.5*3      | J   | Round Head Screw  |              |
| H9  | SS0175040MZ0                 | M2.5*4      | J1  | SS3102030MZ0      | M2*3         |
| H10 | SS0175040SA0                 | M2.5*4      | J2  | SS3103080SD0      | M3*8         |
| H11 | SS0175040SD0                 | M2.5*4      | J3  | SS3103080SE0      | M3*8         |
| H12 | SS0103030MZ0                 | M3*3        | J4  | SS3103100MZ0      | M3*10        |
| H13 | SS0103030SD0                 | M3*3        |     |                   |              |
| H14 | SS0103040SD0                 | M3*4        |     |                   |              |
| H15 | SS0103050MZ0                 | M3*5        |     |                   |              |
| H16 | SS0103050SD0                 | M3*5        |     |                   |              |
| H17 | SS0103060MZ0                 | M3*6        |     |                   |              |
| H18 | SS0103060SD0                 | M3*6        | K   | Slotted Set Screw |              |
| H19 | SS0103060SA0                 | M3*6        | K1  | SMK0000435CN      | 1/8*44*3.5   |
| H20 | SS0103080SD0                 | M3*8        | K2  | SMK0000560CN      | 9/64*40*6    |
| H21 | SS0103080SA0                 | M3*8        | K3  | SMK0000625CN      | 11/64*40*2.5 |
| H22 | SS0103100MZ0                 | M3*10       | K4  | SMK0000635CN      | 11/64*40*3.5 |
| H23 | SS0103100SD0                 | M3*10       | K5  | SMK0000640CN      | 11/64*40*4   |
| H24 | SS0103200SD0                 | M3*20       | K6  | SMK0000650CN      | 11/64*40*5   |
| H25 | SS0104050SD0                 | M4*5        | K7  | SMK0000A50CN      | 15/64*28*5   |
| H26 | SS0104060MZ0                 | M4*6        | K8  | SMK0000AA0CN      | 15/64*28*10  |
| H27 | SS0104060SD0                 | M4*6        | K9  | SMK0000AF0CN      | 15/64*28*15  |
| H28 | SS0104080MZ0                 | M4*8        | K10 | SMK0000AH0CN      | 15/64*28*17  |
| H29 | SS0104080SD0                 | M4*8        | K11 | SMK0000B40CN      | 1/4*40*4     |
| H30 | SS0104080SD2                 | M4*8        | K12 | SMK0000B45CN      | 1/4*40*4.5   |
| H31 | SS0104100MZ0                 | M4*10       | K13 | SMK0000B50CN      | 1/4*40*5     |
| H32 | SS0104100SD0                 | M4*10       | K14 | SMK0000B60CN      | 1/4*40*6     |
| H33 | SS0104120SD0                 | M4*12       | K15 | SMK0000B80CN      | 1/4*40*8     |
| H34 | SS0104150SD0                 | M4*15       | K16 | SMK0000CC0CN      | 9/32*28*12   |
| H35 | SS0104200SD0                 | M4*20       | K17 | SS8005060TNO      | M5*6         |

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# LMNP

| No. | Part No.                         | Remark     | No. | Part No.          | Remark               |
|-----|----------------------------------|------------|-----|-------------------|----------------------|
| L   | Hexagon Socket Head Set Screw    |            |     |                   |                      |
| L1  | SMJ0000425CN                     | 1/8*44*2.5 |     |                   |                      |
| L2  | SMJ0000690CN                     | 11/64*28*9 | N   | Screw with Washer |                      |
| L3  | SMJ0000640CN                     | 11/64*40*4 | N1  | SSA003080000      | M3*8                 |
| L4  | SMJ0000660CN                     | 11/64*40*6 | N2  | SSA003150000      | M3*15                |
| L5  | SMJ0000680CN                     | 11/64*40*8 | N3  | SSA003160000      | M3*16                |
| L6  | SMJ0000A40CN                     | 15/64*28*4 | N4  | SSA003180000      | M3*18                |
| L7  | SMJ0000A90CN                     | 15/64*28*9 | N5  | SSA004080000      | M4*8                 |
| L8  | SS8203020TN0                     | M3*2       | N6  | SSA004100000      | M4*10                |
| L9  | SS8203030TN0                     | M3*3       | N7  | SSA004550000      | M4*55                |
| L10 | SS8203040TN0                     | M3*4       | N8  | SSA005100000      | M5*10                |
| L11 | SS8203050TN0                     | M3*5       | N9  | SSA005120000      | M5*12                |
| L12 | SS8203060TN0                     | M3*6       | N10 | SSA005140000      | M5*14                |
| L13 | SS8203080TN0                     | M3*8       | N11 | SSA005180000      | M5*18                |
| L14 | SS8204030TN0                     | M4*3       |     |                   |                      |
| L15 | SS8204040TN0                     | M4*4       |     |                   |                      |
| L16 | SS8204050TN0                     | M4*5       |     |                   |                      |
| L17 | SS8204060TN0                     | M4*6       |     |                   |                      |
| L18 | SS8204060TN1                     | M4*6       |     |                   |                      |
| L19 | SS8204080TN0                     | M4*8       | P   | Nut               |                      |
| L20 | SS8204100TN0                     | M4*10      | P1  | SMN046030CN0      | 1/8*44*6*3           |
| L21 | SS8204120TN0                     | M4*12      | P2  | SMN056020CL0      | 9/64*40*6*2          |
| L22 | SS8205040TN0                     | M5*4       | P3  | SMN056030CN0      | 9/64*40*6*3          |
| L23 | SS8205050TN0                     | M5*5       | P4  | SMN066020CN0      | 11/64*40*6*2         |
| L24 | SS8205060TN0                     | M5*6       | P5  | SMN066030CN0      | 11/64*40*6*3         |
| L25 | SS8205080TN0                     | M5*8       | P6  | SMN067030CN0      | 11/64*40*7*3         |
| L26 | SS8205100TN0                     | M5*10      | P7  | SMN167030CN0      | 11/64*40*7*3         |
| L27 | SS8205120TN0                     | M5*12      | P8  | SSN002SD0000      | M2 Type 1            |
| L28 | SS8205150TN0                     | M5*15      | P9  | SSN073SD0000      | M2.3 Type 1          |
| L29 | SS8206050TN0                     | M6*5       | P10 | SSN075MZ0000      | M2.5 Type 1          |
| L30 | SS8206060TN0                     | M6*6       | P11 | SSN003MZ0000      | M3 Type 1            |
| L31 | SS8206080TN0                     | M6*8       | P12 | SSN003SC0000      | M3 Type 1            |
| L32 | SS8206100TN0                     | M6*10      | P13 | SSN003SD0000      | M3 Type 1            |
| L33 | SS8206180TN0                     | M6*18      | P14 | SSN403SD0000      | M3 Thumbscrew Type 2 |
| L34 | SS8208080TN0                     | M8*8       | P15 | SSN203SC0000      | M3 Type 3            |
| L35 | SS8208100TN0                     | M8*10      | P16 | SSN203SD0000      | M3 Type 3            |
| L36 | SS8208150TN0                     | M8*15      | P17 | SSN285SC0000      | M3.5 Type 3          |
|     |                                  |            | P18 | SSN004SC0000      | M4 Type 1            |
|     |                                  |            | P19 | SSN004SD0000      | M4 Type 1            |
|     |                                  |            | P20 | SSN204SC0000      | M4 Type 3            |
|     |                                  |            | P21 | SSN204SD0000      | M4 Type 3            |
|     |                                  |            | P22 | SSN005SC0000      | M5 Type 1            |
| M   | Hexagon Socket Head Button Screw |            | P23 | SSN005SD0000      | M5 Type 1            |
| M1  | SS3203050SC0                     | M3*5       | P24 | SSN205SC0000      | M5 Type 3            |
| M2  | SS3204060SC0                     | M4*6       | P25 | SSN205SD0000      | M5 Type 3            |
| M3  | SS3205100SC0                     | M5*10      | P26 | SSN605SD0000      | M5 Cap Screw         |
| M4  | SS3205100SD0                     | M5*10      | P27 | SSN006SC0000      | M6 Type 1            |
|     |                                  |            | P28 | SSN006SC1000      | M6 Type 1(Left)      |
|     |                                  |            | P29 | SSN006SD0000      | M6 Type 1            |
|     |                                  |            | P30 | SSN006SD1000      | M6 Type 1(Left)      |

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# P.R

| No. | Part No.     | Remark              | No. | Part No.     | Remark            |
|-----|--------------|---------------------|-----|--------------|-------------------|
| P   | Nut          |                     | R32 | WSP12L520SC0 | Plain M12*20.5*2t |
| P31 | SSN206SC0000 | M6 Type 3           | R33 | WSS020000KDO | Spring M2         |
| P32 | SSN008SC0000 | M8 Type 1           | R34 | WSS760000KCO | Spring M2.6       |
| P33 | SSN008SD0000 | M8 Type 1           | R35 | WSS030000KCO | Spring M3         |
| P34 | SSN208SC0000 | M8 Type 3           | R36 | WSS030000KDO | Spring M3         |
| P35 | SSN208SD0000 | M8 Type 3           | R37 | WSS850000KCO | Spring M3.5       |
| P36 | SSN010SC0000 | M10 Type 1          | R38 | WSS040000KCO | Spring M4         |
| P37 | SSN710CD0000 | M10 with Flange     | R39 | WSS040000KDO | Spring M4         |
| P38 | SSN710SC0000 | M10 with Flange     | R40 | WSS050000KCO | Spring M5         |
| P39 | SSN012SC0000 | M12 Type 1          | R41 | WSS050000KDO | Spring M5         |
| P40 | SSN212SC0000 | M12 Type 3          | R42 | WSS060000KCO | Spring M6         |
| P41 | SSN216SC0000 | M16 Type 3          | R43 | WSS060000KDO | Spring M6         |
| P42 | SSN020SC0000 | M20 Type 1          | R44 | WSS080000KCO | Spring M8         |
|     |              |                     | R45 | WSS080000KDO | Spring M8         |
|     |              |                     | R46 | WSS100000KCO | Spring M10        |
|     |              |                     | R47 | WSS120000KCO | Spring M12        |
|     |              |                     | R48 | WSW06B003TPO | Wave M4           |
|     |              |                     | R49 | WSW06A503TMO | Wave M6           |
| R   | Washer       |                     | R50 | WSL048505TPO | With teeth M4     |
| R1  | WSP640303MZ0 | Plain M1.4*3*0.3t   | R51 | WSL05A006TPO | With teeth M5     |
| R2  | WSP023505XZ0 | Plain M2*3.5*0.5t   | R52 | WSN080000SC0 | Slant M8          |
| R3  | WSP767505XB0 | Plain M2.6*7.5*0.5t | R53 | WSC048005SC0 | Disk Spring M4    |
| R4  | WSP036003XZ0 | Plain M3*6*0.3t     |     |              |                   |
| R5  | WSP036005SC0 | Plain M3*6*0.5t     |     |              |                   |
| R6  | WSP037005SD0 | Plain M3*7*0.5t     |     |              |                   |
| R7  | WSP038003SD0 | Plain M3*8*0.3t     |     |              |                   |
| R8  | WSP038005MZ0 | Plain M3*8*0.5t     |     |              |                   |
| R9  | WSP038005SC0 | Plain M3*8*0.5t     |     |              |                   |
| R10 | WSP038005SD0 | Plain M3*8*0.5t     |     |              |                   |
| R11 | WSP038100SD0 | Plain M3*8*1t       |     |              |                   |
| R12 | WSP048005SC0 | Plain M4*8*0.5t     |     |              |                   |
| R13 | WSP048005SD0 | Plain M4*8*0.5t     |     |              |                   |
| R14 | WSP048008SC0 | Plain M4*8*0.8t     |     |              |                   |
| R15 | WSP048008SD0 | Plain M4*8*0.8t     |     |              |                   |
| R16 | WSP04A008SC0 | Plain M4*10*0.8t    |     |              |                   |
| R17 | WSP04A008SD0 | Plain M4*10*0.8t    |     |              |                   |
| R18 | WSP04C010SC0 | Plain M4*12*1t      |     |              |                   |
| R19 | WSP05A008SC0 | Plain M5*10*0.8t    |     |              |                   |
| R20 | WSP05A008SD0 | Plain M5*10*0.8t    |     |              |                   |
| R21 | WSP05C008SC0 | Plain M5*12*0.8t    |     |              |                   |
| R22 | WSP05C008SD0 | Plain M5*12*0.8t    |     |              |                   |
| R23 | WSP06D010SC0 | Plain M6*13*1.0t    |     |              |                   |
| R24 | WSP06D010SD0 | Plain M6*13*1.0t    |     |              |                   |
| R25 | WSP06G010SC0 | Plain M6*16*1.0t    |     |              |                   |
| R26 | WSP08G012SD0 | Plain M8*16*1.2t    |     |              |                   |
| R27 | WSP08J016SC0 | Plain M8*18*1.6t    |     |              |                   |
| R28 | WSP08J016SD0 | Plain M8*18*1.6t    |     |              |                   |
| R29 | WSP08J032SC0 | Plain M8*18*3.2t    |     |              |                   |
| R30 | WSP08N032SC0 | Plain M8*22*3.2t    |     |              |                   |
| R31 | WSP10S032SC0 | Plain M10*26*3.2t   |     |              |                   |

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