

# CNC Quilter

## ABM International, Inc.

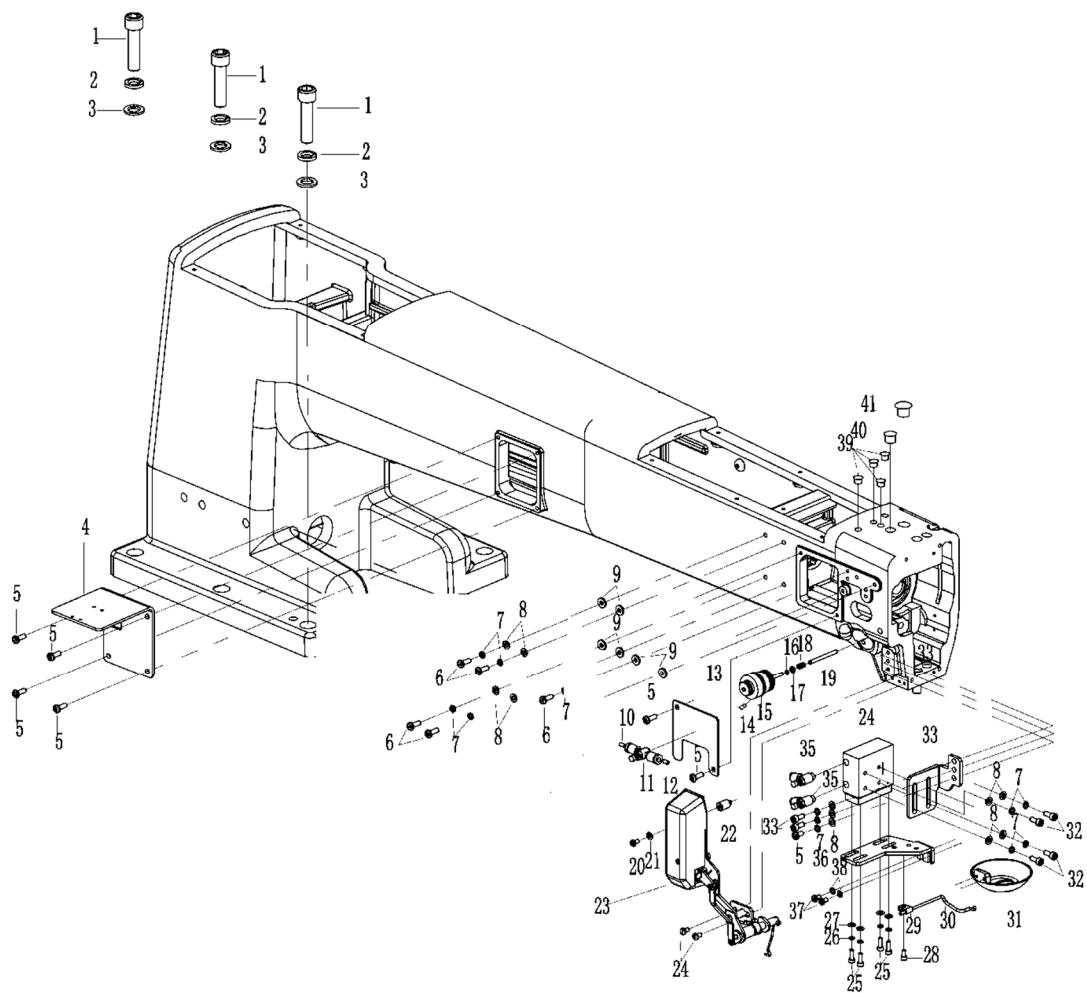
### PARTS BOOK

| Number | Title                                         | Page |
|--------|-----------------------------------------------|------|
| 1      | Head Casting (Left Hand Side)                 | 1    |
| 2      | Head Casting (Right Hand Side)                | 3    |
| 3      | Thread Wiper (optional)                       | 5    |
| 4      | Hopping Foot                                  | 7    |
| 5      | Lifting Foot Drive                            | 9    |
| 6      | Upper Shaft                                   | 11   |
| 7      | Needle Bar and Lower Shaft                    | 13   |
| 8      | Hook Drive and Thread Cutter                  | 15   |
| 9      | Hook Drive Housing                            | 17   |
| 10     | Thread Cutter Drive                           | 19   |
| 11     | Machine Base and Y-Axis Bearing Rail Assembly | 21   |
| 12     | Y-Axis Motor and Ball Screw Assembly          | 23   |
| 13     | Y-Axis Carriage Assembly                      | 25   |
| 14     | X-Axis Ball Screw Assembly                    | 27   |
| 15     | X-Axis Motor Assembly                         | 29   |
| 16     | X-Axis Carriage Assembly                      | 31   |
| 17     | X-Axis Bearing Rail Assembly                  | 33   |
| 18     | Machine Frame                                 | 35   |
| 19     | Table Subframe                                | 37   |
| 20     | Table Top Structure (100)                     | 39   |
| 21     | Table Top Structure (120)                     | 41   |
| 22     | Table Top (100)                               | 43   |
| 23     | Table Top (120)                               | 45   |
| 24     | Electrical and Pneumatic Components           | 47   |
| 25     | Needle Cooler                                 | 49   |
| 26     | Sewing Accessories                            | 51   |
| 27     | Main Electrical Cabinet                       | 52   |
| 28     | Operator Interface and Pushbutton Station     | 54   |

## 1. Head Casting (Left Hand Side)

| Number | Part Number      | Quantity | Note |
|--------|------------------|----------|------|
| 1      | 91-70.1-1455-1   | 3        |      |
| 2      | 91-93-14-1       | 3        |      |
| 3      | 91-848-14-0      | 3        |      |
| 4      | 8200 0107290     | 1        |      |
| 5      | 91-67-0510-3     | 7        |      |
| 6      | 91-67-0514-3     | 6        |      |
| 7      | 91-93-04-1       | 11       |      |
| 8      | 91-97.1-04-0     | 11       |      |
| 9      | 8200 0167270     | 6        |      |
| 10     | 92-41 0003-042.5 | 1        |      |
| 11     | 92-41 0012-04    | 1        |      |
| 12     | 92-41 0020-042.5 | 1        |      |
| 13     | 8200 0106290     | 1        |      |
| 14     | 91-77-0510-1     | 1        |      |
| 15     | 93-23 0001-005   | 1        |      |
| 16     | 91-894-04-0      | 1        |      |
| 17     | 91-97.11-04-0    | 1        |      |
| 18     | 8200 0425160     | 1        |      |
| 19     | 8200 0424110     | 1        |      |
| 20     | 91-67-0408-1     | 1        |      |
| 21     | 8200 2330200     | 1        |      |
| 22     | 8200 0463170     | 1        |      |
| 23     | 8200 0441004     | 1        |      |
| 24     | 8200 0466170     | 2        |      |
| 25     | 91-70.1-0512-3   | 4        |      |
| 26     | 91-93-05-1       | 4        |      |
| 27     | 91-97.1-05-0     | 4        |      |
| 28     | 91-70.1-0408-3   | 1        |      |
| 29     | 8200 0437150     | 1        |      |
| 30     | 8200 0436300     | 1        |      |
| 31     | 8200 0430290     | 1        |      |
| 32     | 91-70.1-0512-3   | 6        |      |
| 33     | 8200 0439150     | 1        |      |
| 34     | 92-3 0002-1215   | 1        |      |
| 35     | 92-42 0002-0504  | 2        |      |
| 36     | 8200 0432150     | 1        |      |
| 37     | 91-67-0408-3     | 2        |      |
| 38     | 91-848-04-0      | 2        |      |
| 39     | 8200 0108270     | 4        |      |
| 40     | 8200 0109270     | 1        |      |
| 41     | 8200 0110270     | 1        |      |

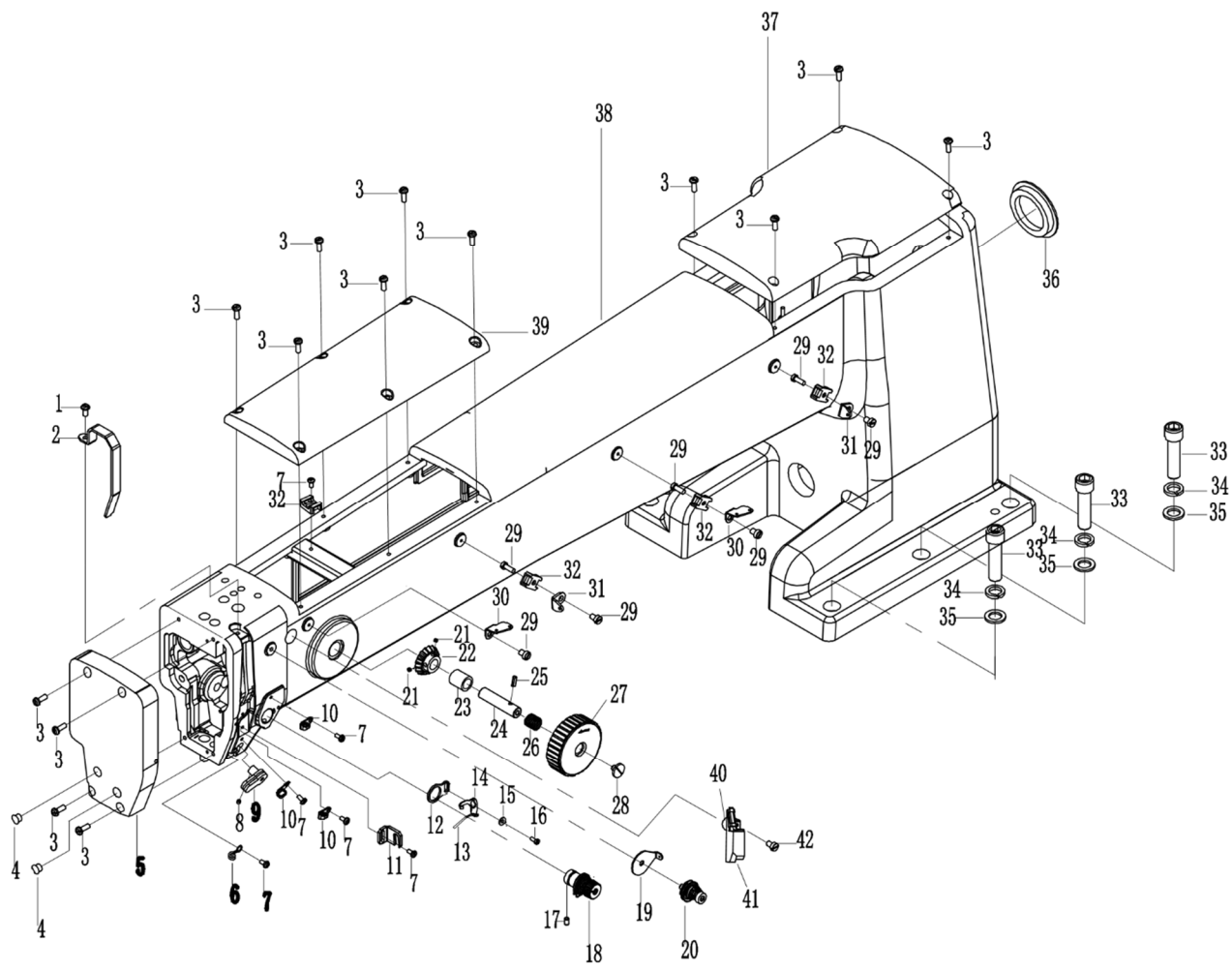
Head Casting (Left Hand Side)



## 2. Head Casting (Right Hand Side)

| Number | Part Number      | Quantity | Note |
|--------|------------------|----------|------|
| 1      | 91-67-0510-3     | 1        |      |
| 2      | 8200 0105150     | 1        |      |
| 3      | 91-67-0514-3     | 14       |      |
| 4      | 8200 0109270     | 2        |      |
| 5      | 8200 0104280     | 1        |      |
| 6      | 8200 0429150     | 1        |      |
| 7      | 91-67-0404-1     | 5        |      |
| 8      | 91-77-0404-1     | 1        |      |
| 9      | 93-23 0004-005   | 1        |      |
| 10     | 8200 0427150     | 3        |      |
| 11     | 8200 0426150     | 1        |      |
| 12     | 8200 411260      | 1        |      |
| 13     | 93-41 0002-1.501 | 1        |      |
| 14     | 8200 0404150     | 1        |      |
| 15     | 8200 0409260     | 1        |      |
| 16     | 8200 0410170     | 1        |      |
| 17     | 91-77-0508-1     | 1        |      |
| 18     | 8200 0412004     | 1        |      |
| 19     | 8200 0401150     | 1        |      |
| 20     | 8200 0403004     | 1        |      |
| 21     | 8200 0229170     | 2        |      |
| 22     | 8200 0230230     | 1        |      |
| 23     | 8200 0112120     | 1        |      |
| 24     | 8200 0232110     | 1        |      |
| 25     | 8200 0234170     | 1        |      |
| 26     | 8200 0231160     | 1        |      |
| 27     | 8200 0233260     | 1        |      |
| 28     | 8200 0234170     | 1        |      |
| 29     | 91-65-0608-3     | 7        |      |
| 30     | 8200 0477150     | 2        |      |
| 31     | 8200 0402150     | 2        |      |
| 32     | 8200 0163260     | 4        |      |
| 33     | 91-70.1-1455-1   | 3        |      |
| 34     | 91-93-14-1       | 3        |      |
| 35     | 91-848-14-0      | 3        |      |
| 36     | 8200 0161260     | 1        |      |
| 37     | 8200 0102280     | 1        |      |
| 38     | 8200 0101100     | 1        |      |
| 39     | 8200 0103280     | 1        |      |
| 40     | 8200 0177110     | 1        |      |
| 41     | 8200 0178263     | 1        |      |
| 42     | 91-818-0410-1    | 1        |      |

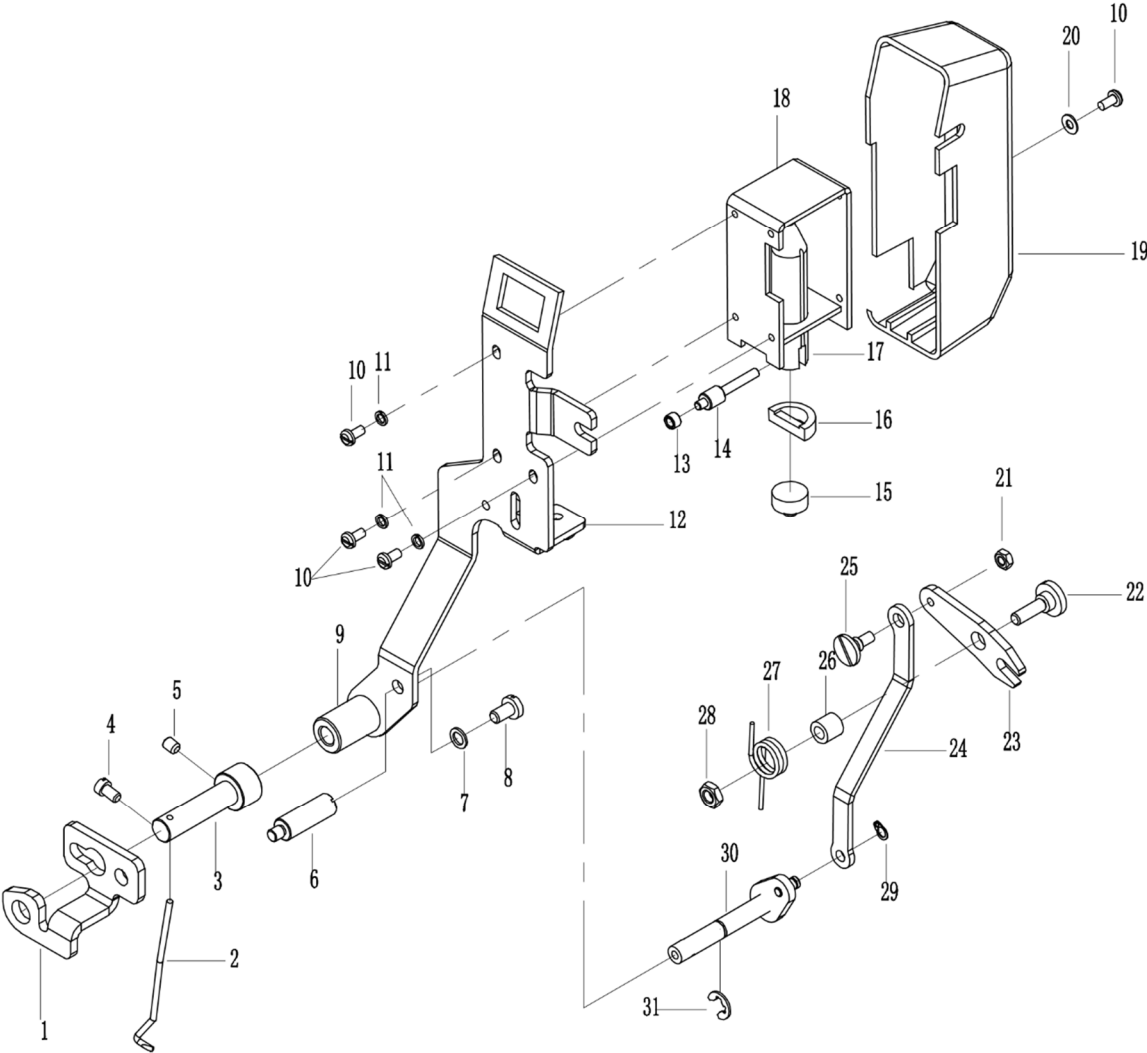
Head Casting (Right Hand Side)



### 3. Thread Wiper (optional)

| Number | Part Number  | Quantity | Note |
|--------|--------------|----------|------|
| 1      | 8200 0468150 | 1        |      |
| 2      | 8200 0471110 | 1        |      |
| 3      | 8200 0470110 | 1        |      |
| 4      | 8200 0472170 | 1        |      |
| 5      | 91-77-0405-1 | 1        |      |
| 6      | 8200 0465170 | 1        |      |
| 7      | 8200 0467200 | 1        |      |
| 8      | 8200 0466170 | 1        |      |
| 9      | 8200 0443120 | 1        |      |
| 10     | 91-67-0306-1 | 3        |      |
| 11     | 91-93-03-1   | 3        |      |
| 12     | 8200 0442150 | 1        |      |
| 13     | 8200 0460270 | 1        |      |
| 14     | 8200 0461270 | 1        |      |
| 15     | 8200 0459270 | 1        |      |
| 16     | 8200 0458270 | 1        |      |
| 17     | 8200 0457110 | 1        |      |
| 18     | 93-23 0002   | 1        |      |
| 19     | 8200 0462260 | 1        |      |
| 20     | 91-97.1-03-0 | 1        |      |
| 21     | 8200 0451180 | 1        |      |
| 22     | 8200 0453170 | 1        |      |
| 23     | 8200 0452150 | 1        |      |
| 24     | 8200 0448150 | 1        |      |
| 25     | 8200 0450170 | 1        |      |
| 26     | 8200 0454110 | 1        |      |
| 27     | 8200 0455160 | 1        |      |
| 28     | 8200 0456180 | 1        |      |
| 29     | 8200 0449200 | 1        |      |
| 30     | 8200 0445123 | 1        |      |
| 31     | 8200 0444210 | 1        |      |

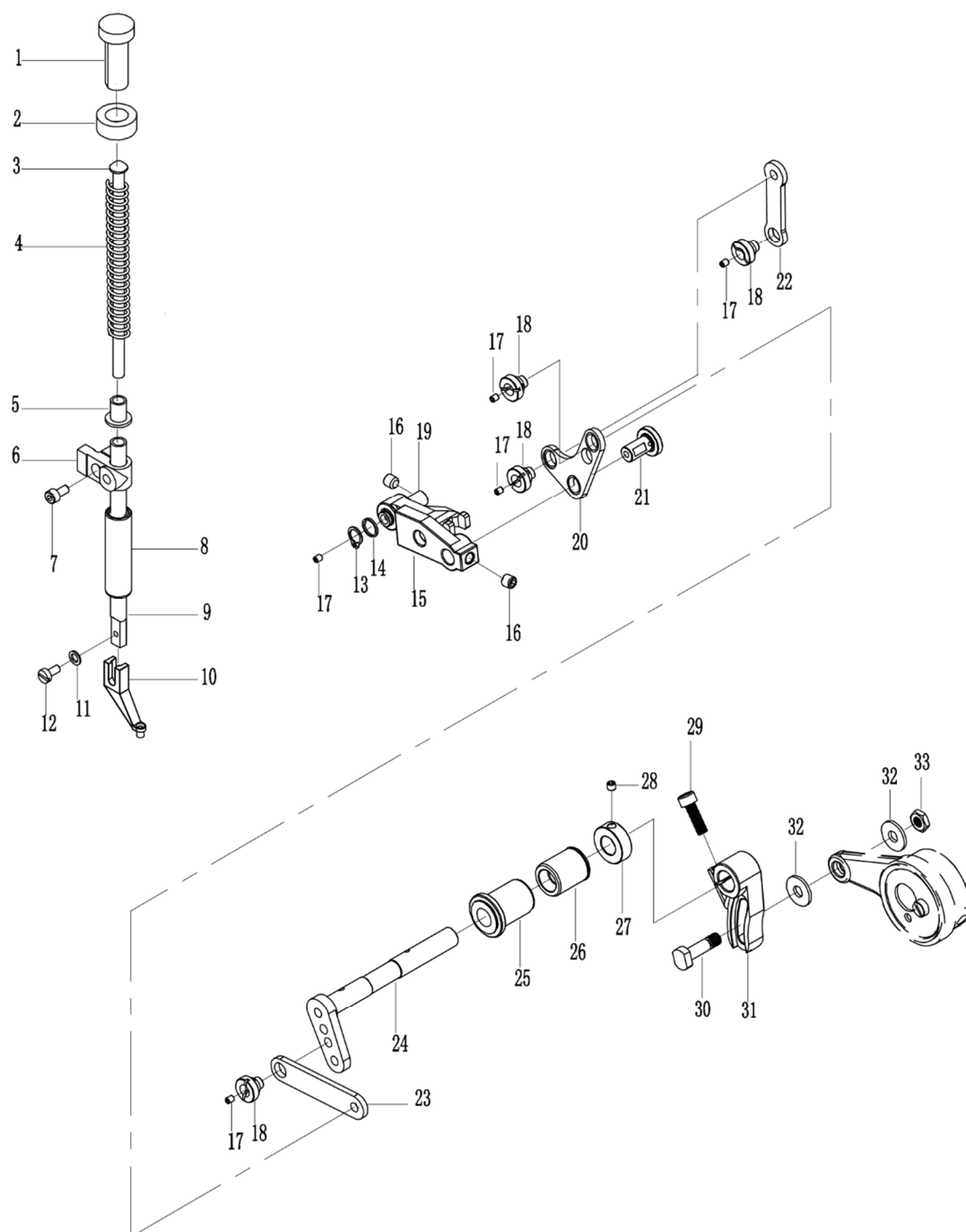
Thread Wiper (optional)



#### 4. Hopping foot

| Number | Part Number    | Quantity | Note |
|--------|----------------|----------|------|
| 1      | 8200 0333170   | 1        |      |
| 2      | 8200 0332180   | 1        |      |
| 3      | 8200 0334110   | 1        |      |
| 4      | 8200 0335160   | 1        |      |
| 5      | 8200 0336120   | 1        |      |
| 6      | 8200 0326290   | 1        |      |
| 7      | 91-70.1-0408-1 | 1        |      |
| 8      | 8200 0119120   | 1        |      |
| 9      | 8200 0327170   | 1        |      |
| 10     | 8200 0328290   | 1        |      |
| 11     | 8200 0467200   | 1        |      |
| 12     | 8200 0331170   | 1        |      |
| 13     | 91-894.1-08-1  | 1        |      |
| 14     | 8200 0322200   | 1        |      |
| 15     | 8200 0323290   | 1        |      |
| 16     | 91-77-0606-1   | 2        |      |
| 17     | 91-77-0404-1   | 5        |      |
| 18     | 8200 0317170   | 4        |      |
| 19     | 8200 0321110   | 1        |      |
| 20     | 8200 0320003   | 1        |      |
| 21     | 8200 0324110   | 1        |      |
| 22     | 8200 0325150   | 1        |      |
| 23     | 8200 0318003   | 1        |      |
| 24     | 8200 0316110   | 1        |      |
| 25     | 8200 0113123   | 1        |      |
| 26     | 8200 0115123   | 1        |      |
| 27     | 8200 0314210   | 1        |      |
| 28     | 91-77-0404-1   | 1        |      |
| 29     | 8200 0311170   | 1        |      |
| 30     | 8200 0313110   | 1        |      |
| 31     | 8200 0310290   | 1        |      |
| 32     | 8200 0309200   | 2        |      |
| 33     | 91-41-06-1     | 1        |      |

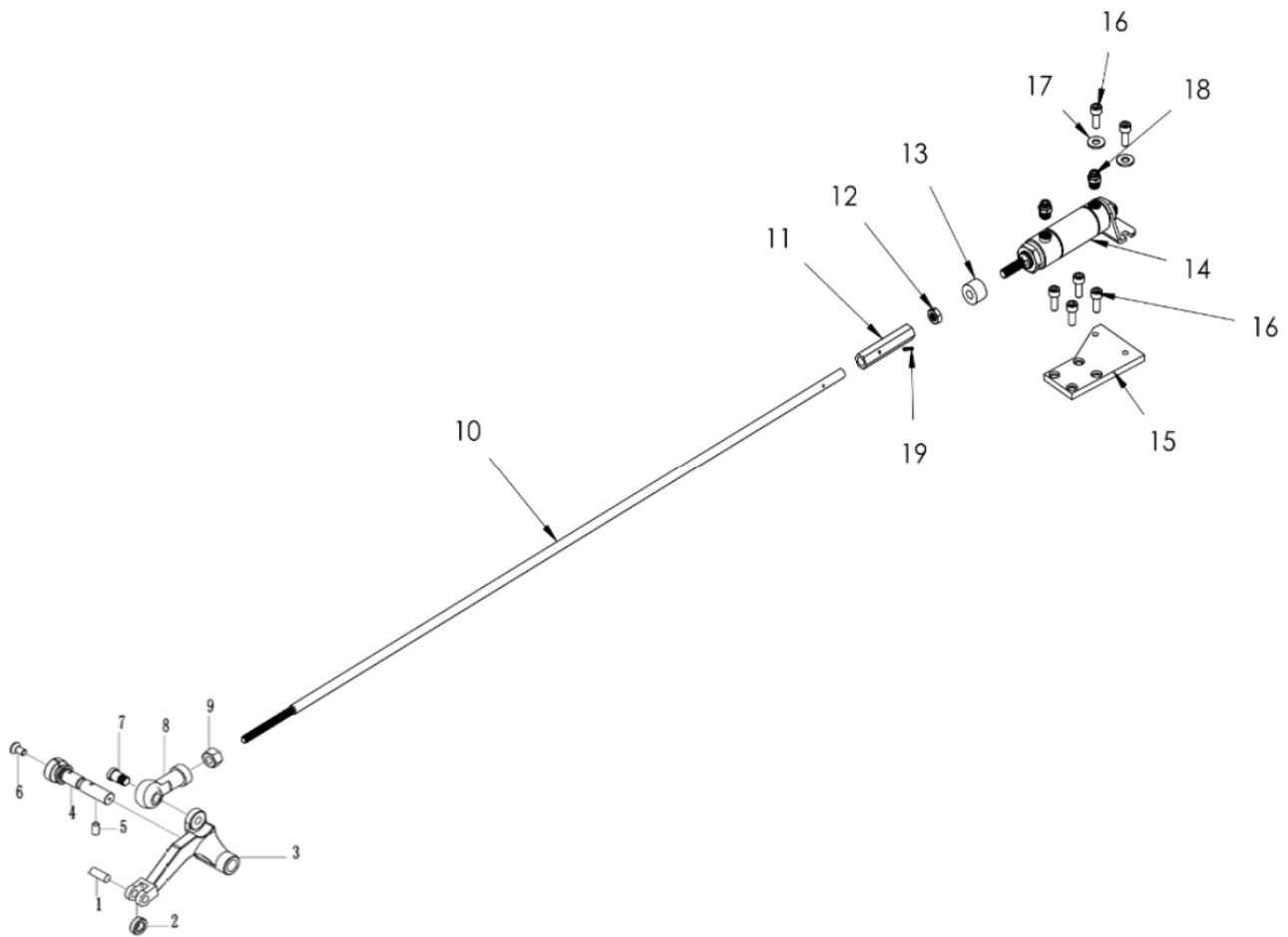
# Hopping Foot



## 5. Lifting Foot Drive

| Number | Part Number    | Quantity | Note |
|--------|----------------|----------|------|
| 1      | 8200 0342110   | 1        |      |
| 2      | 8200 0341120   | 1        |      |
| 3      | 8200 0340290   | 1        |      |
| 4      | 8200 0337110   | 1        |      |
| 5      | 91-77-0508-1   | 1        |      |
| 6      | 91-70.3-0408-1 | 1        |      |
| 7      | 8200 0353170   | 1        |      |
| 8      | 8200 0350294   | 1        |      |
| 9      | 8200 0347180   | 1        |      |
| 10     | 8200 9050000   | 1        |      |
| 11     | 8200 9050001   | 1        |      |
| 12     | 8200 9050002   | 1        |      |
| 13     | 8200 9050003   | 1        |      |
| 14     | 8200 9050004   | 1        |      |
| 15     | 8200 9050005   | 1        |      |
| 16     | 8200 9050006   | 8        |      |
| 17     | 8200 9050007   | 2        |      |
| 18     | 8200 9050008   | 2        |      |
| 19     | 8200 9050010   | 1        |      |

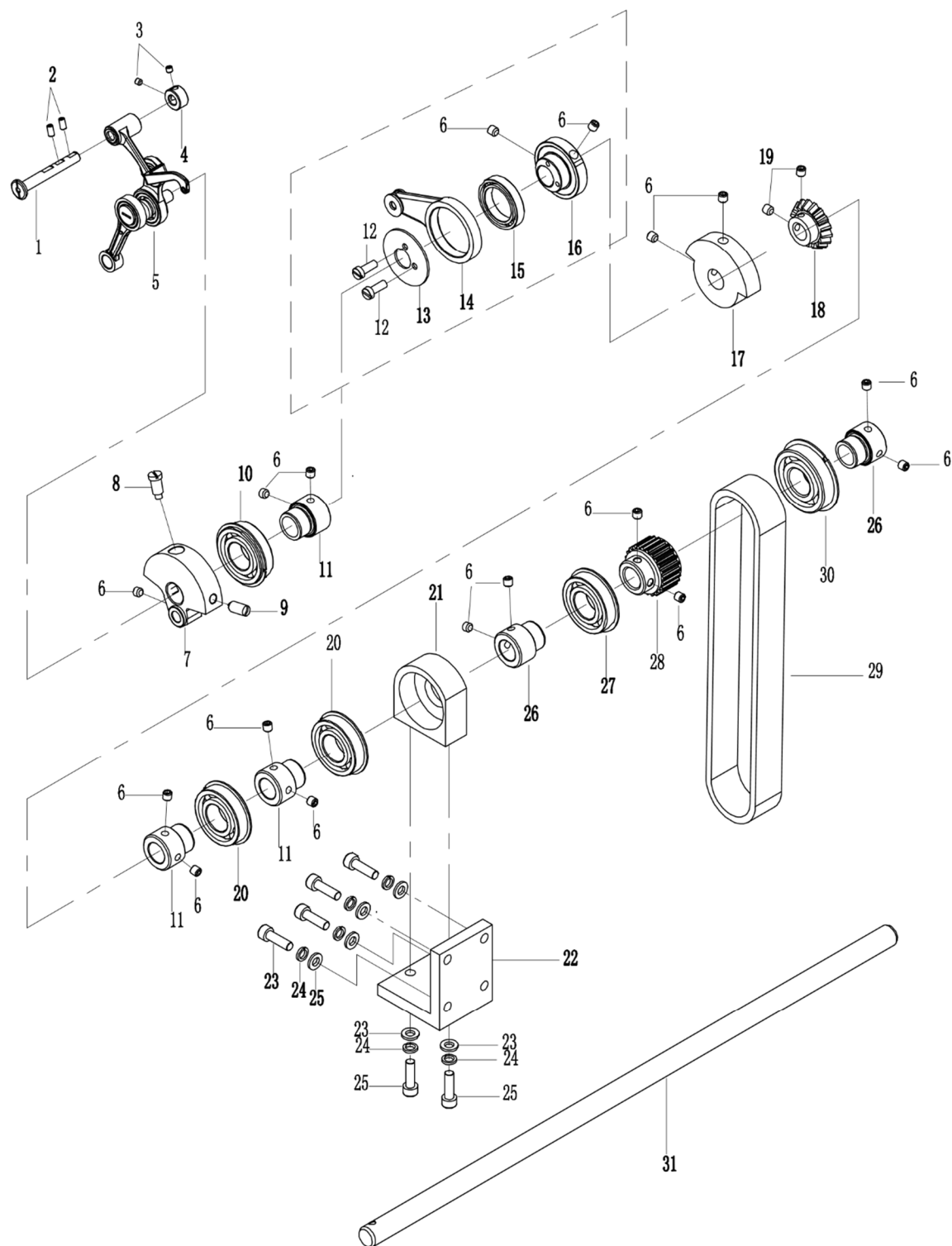
## Lifting Foot Drive



## 6. Upper shaft

| Number | Part Number    | Quantity | Note |
|--------|----------------|----------|------|
| 1      | 8200 0220110   | 1        |      |
| 2      | 91-77-0508-1   | 2        |      |
| 3      | 8200 0219170   | 2        |      |
| 4      | 8200 0218210   | 1        |      |
| 5      | 8200 0210005   | 1        |      |
| 6      | 8201 0124170   | 17       |      |
| 7      | 8200 0225290   | 1        |      |
| 8      | 8200 0227170   | 1        |      |
| 9      | 8200 0226170   | 1        |      |
| 10     | 6004ZZNR       | 1        |      |
| 11     | 8200 0123120   | 3        |      |
| 12     | 91-65-0408-1   | 2        |      |
| 13     | 8200 0306150   | 1        |      |
| 14     | 8200 0304290   | 1        |      |
| 15     | 6805VV         | 1        |      |
| 16     | 8200 0302290   | 1        |      |
| 17     | 8200 0242290   | 1        |      |
| 18     | 8200 0228230   | 1        |      |
| 19     | 8200 0229170   | 2        |      |
| 20     | 6004ZZ         | 2        |      |
| 21     | 8200 0122290   | 1        |      |
| 22     | 8200 0121290   | 1        |      |
| 23     | 91-97.1-06-0   | 6        |      |
| 24     | 91-93-06-1     | 6        |      |
| 25     | 91-70.1-0620-1 | 6        |      |
| 26     | 8200 0125120   | 2        |      |
| 27     | 6204ZZ         | 1        |      |
| 28     | 8200 0236230   | 1        |      |
| 29     | 8200 0237240   | 1        |      |
| 30     | 6304ZZNR       | 1        |      |
| 31     | 8200 0235110   | 1        |      |

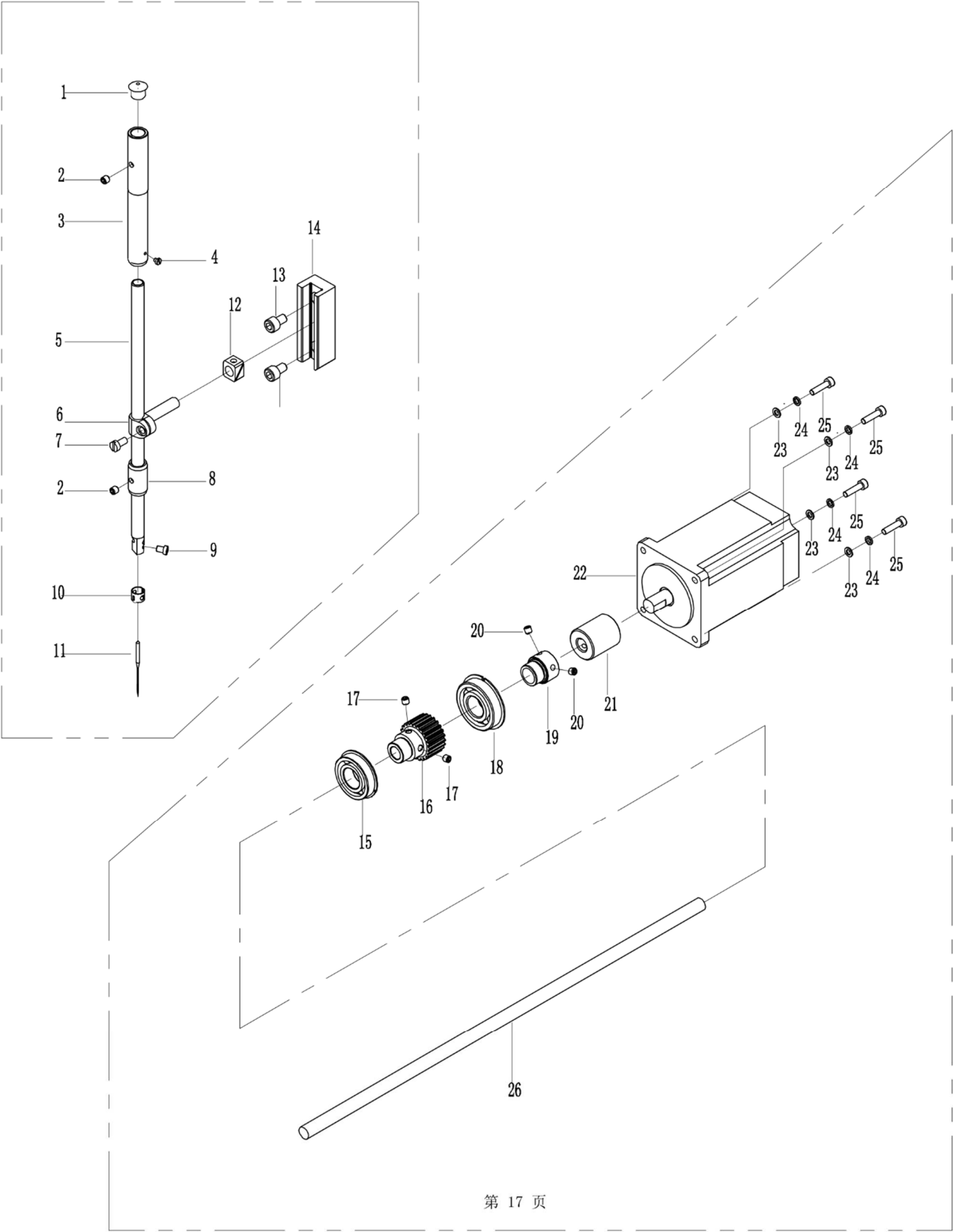
# Upper Shaft



## 7. Needle Bar and Lower Shaft

| Number | Part Number     | Quantity | Note |
|--------|-----------------|----------|------|
| 1      | 8200 0117270    | 1        |      |
| 2      | 91-77-0404-1    | 2        |      |
| 3      | 8200 0116120    | 1        |      |
| 4      | 91-65-0202-1    | 1        |      |
| 5      | 8200 0203110    | 1        |      |
| 6      | 8200 0201170    | 1        |      |
| 7      | 8200 0202170    | 1        |      |
| 8      | 8200 0118120    | 1        |      |
| 9      | 8200 0205170    | 1        |      |
| 10     | 8200 0206150    | 1        |      |
| 11     |                 | 1        |      |
| 11.1   |                 | 1        |      |
| 12     | 8200 0222280    | 1        |      |
| 13     | 8200 0224170    | 2        |      |
| 14     | 8200 0223290    | 1        |      |
| 15     | 6204ZZ          | 1        |      |
| 16     | 8200 0127230    | 1        |      |
| 17     | 8200 0124170    | 2        |      |
| 18     | 6304ZZ          | 1        |      |
| 19     | 8200 0128120    | 1        |      |
| 20     | 8200 0124170    | 2        |      |
| 21     | 8200 0238125    | 1        |      |
| 22     | 93-21 0001-8075 | 1        |      |
| 23     | 91-848-05-0     | 4        |      |
| 24     | 91-93-05-1      | 4        |      |
| 25     | 90-70.1-0520-1  | 4        |      |
| 26     | 8200 0241110    | 1        |      |

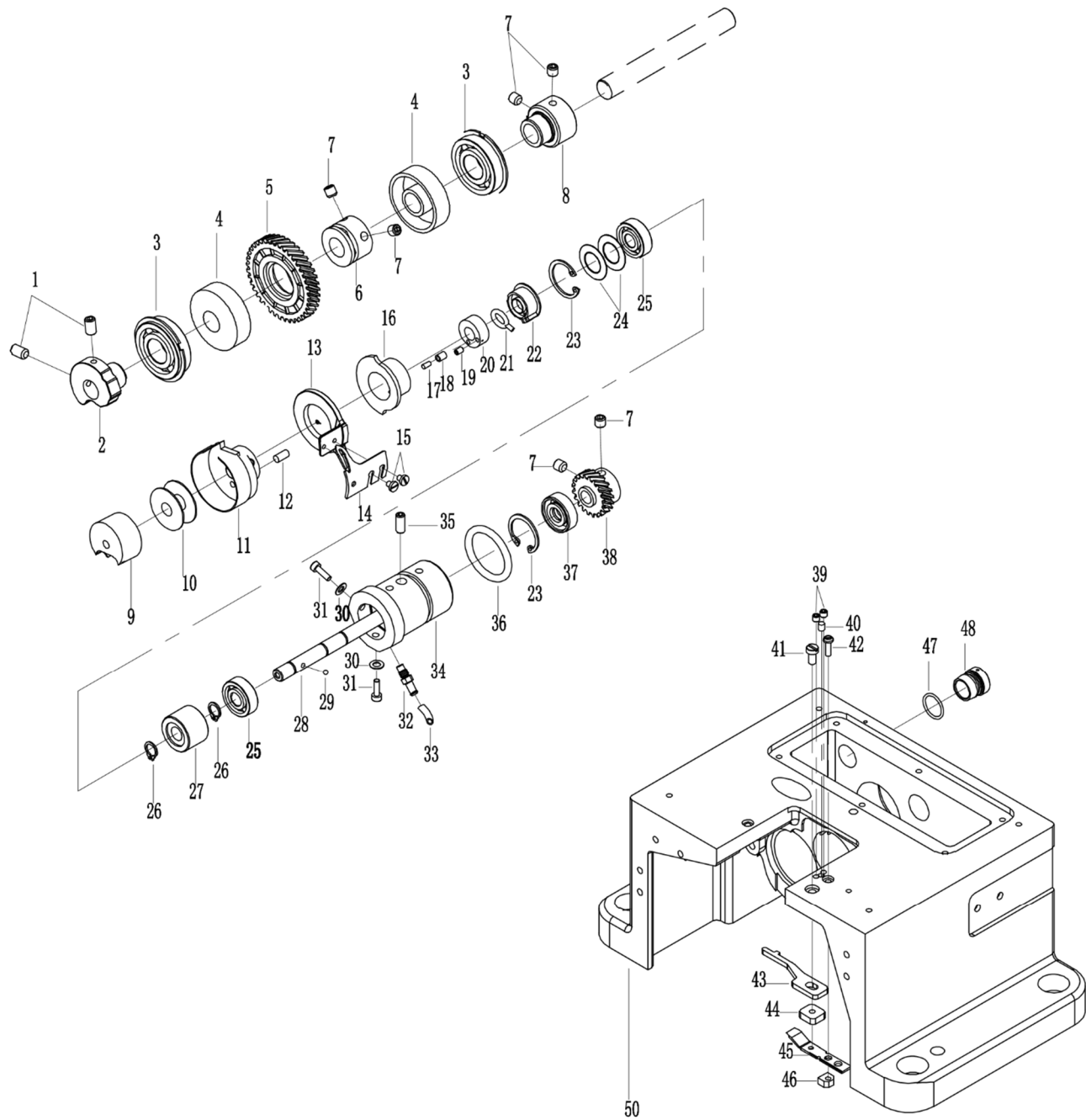
# Needle Bar and Lower Shaft



## 8. Hook Drive and Thread Cutter

| Number | Part Number       | Quantity | Note |
|--------|-------------------|----------|------|
| 1      | 8200 0134170      | 2        |      |
| 2      | 8200 0133290      | 1        |      |
| 3      | 6202ZZNR          | 2        |      |
| 4      | 8200 0135270      | 2        |      |
| 5      | 8200 0624230      | 1        |      |
| 6      | 8200 0625120      | 1        |      |
| 7      | 8200 0124170      | 2        |      |
| 8      | 8200 0131120      | 1        |      |
| 9      | 94-31 DBM4-DH     | 1        |      |
| 10     | 8200 0605140      | 1        |      |
| 11     | 94-30 BTR(MBJ)-DY | 1        |      |
| 12     | 8200 0655220      | 1        |      |
| 13     | 8200 0611280      | 1        |      |
| 14     | 8200 0505150      | 1        |      |
| 15     | 8200 0506170      | 2        |      |
| 16     | 8200 0609280      | 1        |      |
| 17     | 8200 0614220      | 1        |      |
| 18     | 8200 0650260      | 1        |      |
| 19     | 8200 0652170      | 1        |      |
| 20     | 8200 0612290      | 1        |      |
| 21     | 8200 0616220      | 1        |      |
| 22     | 8200 061520       | 1        |      |
| 23     | 91-893.1-2201     | 2        |      |
| 24     | 8200 0619200      | 2        |      |
| 25     | 608-ZZ            | 1        |      |
| 26     | 91-894.1-08-1     | 2        |      |
| 27     | 8200 0620120      | 1        |      |
| 28     | 8200 0621110      | 1        |      |
| 29     | 8200 0613400      | 1        |      |
| 30     | 8200 0610200      | 2        |      |
| 31     | 91-70.1-0310-1    | 2        |      |
| 32     | 8200 0618260      | 1        |      |
| 33     | 8200 0617280      | 1        |      |
| 34     | 8200 0607120      | 1        |      |
| 35     | 91-77-0512-1      | 1        |      |
| 36     | 8200 0608270      | 1        |      |
| 37     | 8200 0622270      | 1        |      |
| 38     | 8200 0623230      | 1        |      |
| 39     | 91-77-0404-1      | 2        |      |
| 40     | 8200 0504110      | 1        |      |
| 41     | 91-65-0412-1      | 1        |      |
| 42     | 8200 0503170      | 1        |      |
| 43     | 8200 0600280      | 1        |      |
| 44     | 8200 0602150      | 1        |      |
| 45     | 8200 0501150      | 1        |      |
| 46     | 8200 0502110      | 1        |      |
| 47     | 8200 0142290      | 1        |      |
| 48     | 8200 0143270      | 1        |      |

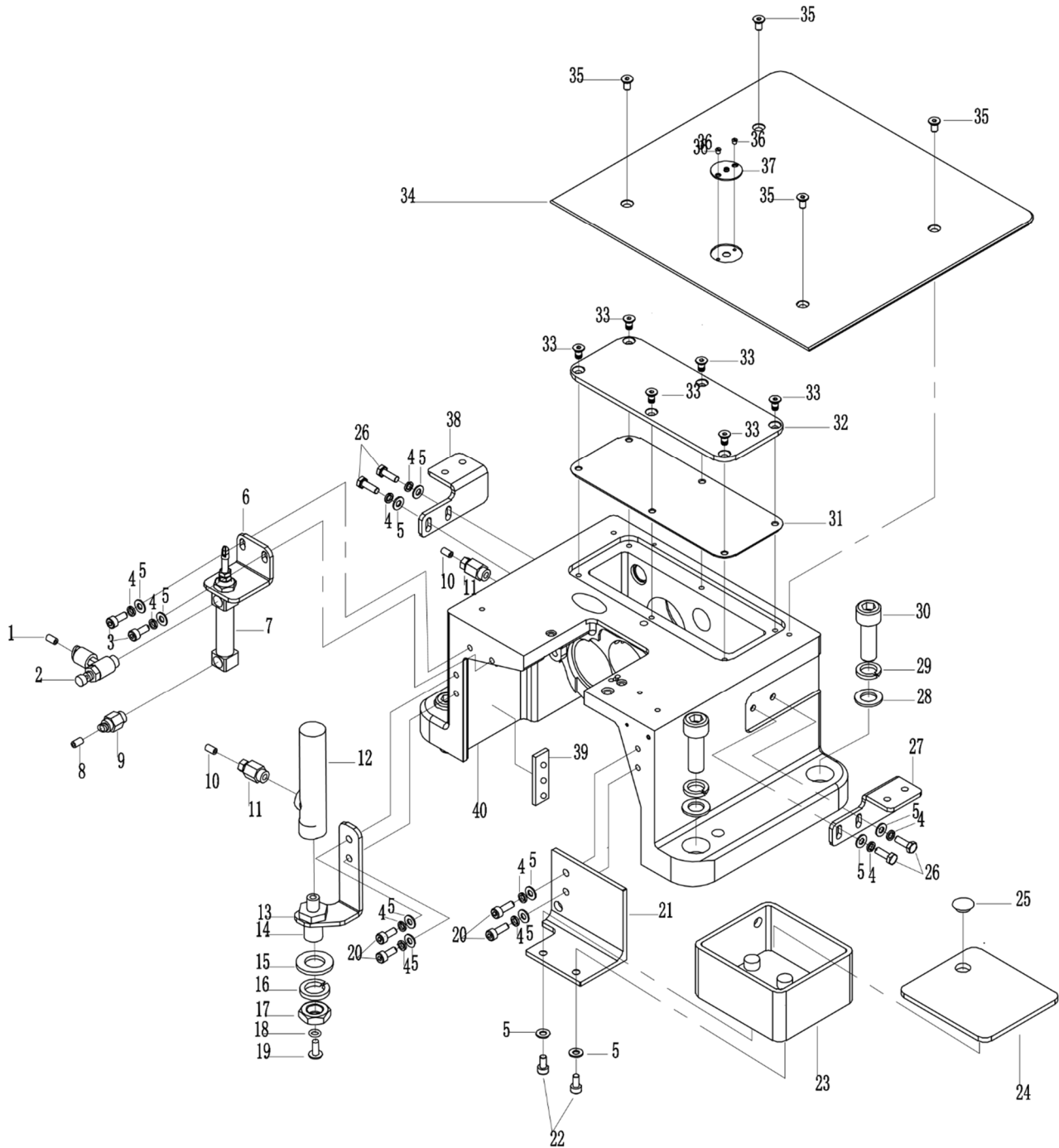
# Hook Drive and Thread Cutter



## 9. Hook Drive Housing

| Number | Part Number        | Quantity | Note |
|--------|--------------------|----------|------|
| 1      | 92-41 0015-042.5   |          |      |
| 2      | 92-42 0003-0504    | 1        |      |
| 3      | 91-70.1-0410-3     | 2        |      |
| 4      | 91-93-04-1         | 10       |      |
| 5      | 91-97.1-04-0       | 12       |      |
| 6      | 8200 1031150       | 1        |      |
| 7      | 92-32 0001-1010    | 1        |      |
| 8      | 92-41 0016-042.5   |          |      |
| 9      | 92-42 0002-0504    | 1        |      |
| 10     | 8200 0649300       | 1        |      |
| 11     | 8200 0648174       | 2        |      |
| 12     | 8200 0645263       | 1        |      |
| 13     | 8200 0644150       | 1        |      |
| 14     | 8200 0646170       | 1        |      |
| 15     | 91-97.1-12-0       | 1        |      |
| 16     | 91-93-12-1         | 1        |      |
| 17     | 91-6172.1-12-1     | 1        |      |
| 18     | 91-3451.1-3.15-1.8 | 1        |      |
| 19     | 8200 061710        | 1        |      |
| 20     | 91-70.1-0412-3     | 2        |      |
| 21     | 8200 0631150       | 1        |      |
| 22     | 91-70.1-0408-3     | 2        |      |
| 23     | 8200 0626263       | 1        |      |
| 24     | 8200 0629260       | 1        |      |
| 25     | 8200 0739270       | 1        |      |
| 26     | 91-5783-0412-0     | 4        |      |
| 27     | 8200 0166120       | 1        |      |
| 28     | 91-848-10-0        | 2        |      |
| 29     | 91-93-10-1         | 2        |      |
| 30     | 91-70.1-1030-1     | 2        |      |
| 31     | 8200 0141270       | 1        |      |
| 32     | 8200 0140150       | 1        |      |
| 33     | 91-70.3-0410-1     | 6        |      |
| 34     | 8200 0136150       | 1        |      |
| 35     | 91-70.3-0408-0     | 4        |      |
| 36     | 8200 01392170      | 2        |      |
| 37     | 8201 0137290       | 1        |      |
| 38     | 8200 0165120       | 1        |      |
| 39     | 93-42 0002-0005    | 1        |      |
| 40     | 8200 0129100       | 1        |      |

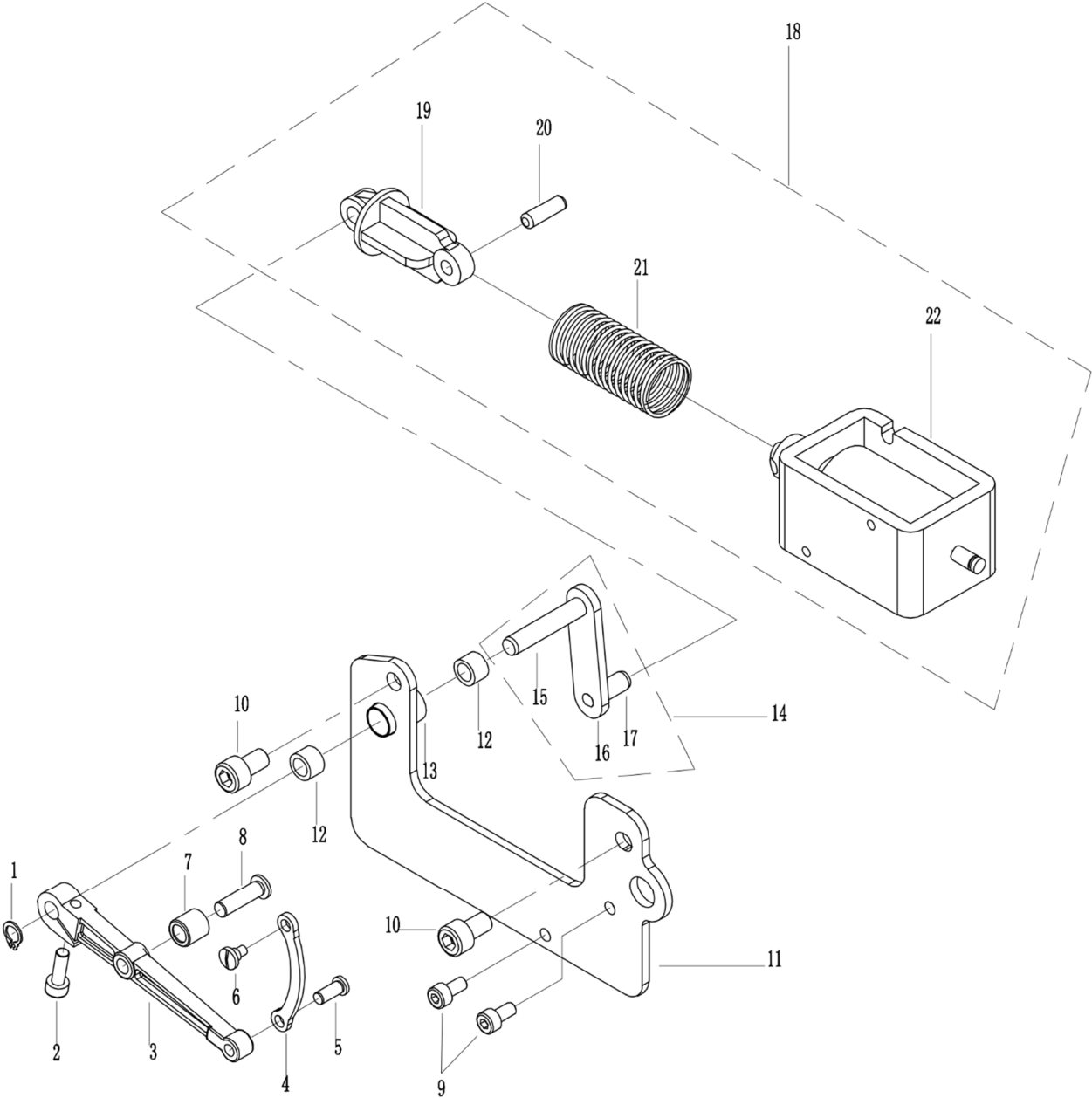
# Hook Drive Housing



## 10. Thread Cutter Drive

| Number | Part Number    | Quantity | Note |
|--------|----------------|----------|------|
| 1      | 8200 0515200   | 1        |      |
| 2      | 91-70.1-0412-1 | 1        |      |
| 3      | 8200 0520150   | 1        |      |
| 4      | 8200 0524150   | 1        |      |
| 5      | 8200 0523110   | 1        |      |
| 6      | 8200 0525170   | 1        |      |
| 7      | 91-290.1-0509  | 1        |      |
| 8      | 8200 0522110   | 1        |      |
| 9      | 91-70.1-0408-3 | 2        |      |
| 10     | 91-70.1-0610-3 | 2        |      |
| 11     | 8200 0516150   | 1        |      |
| 12     | 8200 0518120   | 2        |      |
| 13     | 8200 0517120   | 1        |      |
| 14     | 8200 0511003   | 1        |      |
| 15     | 8200 0513110   | 1        |      |
| 16     | 8200 0512150   | 1        |      |
| 17     | 8200 0514110   | 1        |      |
| 18     | 93-23 0003-005 | 1        |      |
| 19     | 8200 0510260   | 1        |      |
| 20     | 8200 0509110   | 1        |      |
| 21     | 8200 0509160   | 1        |      |
| 22     | 93-23 0003     | 1        |      |

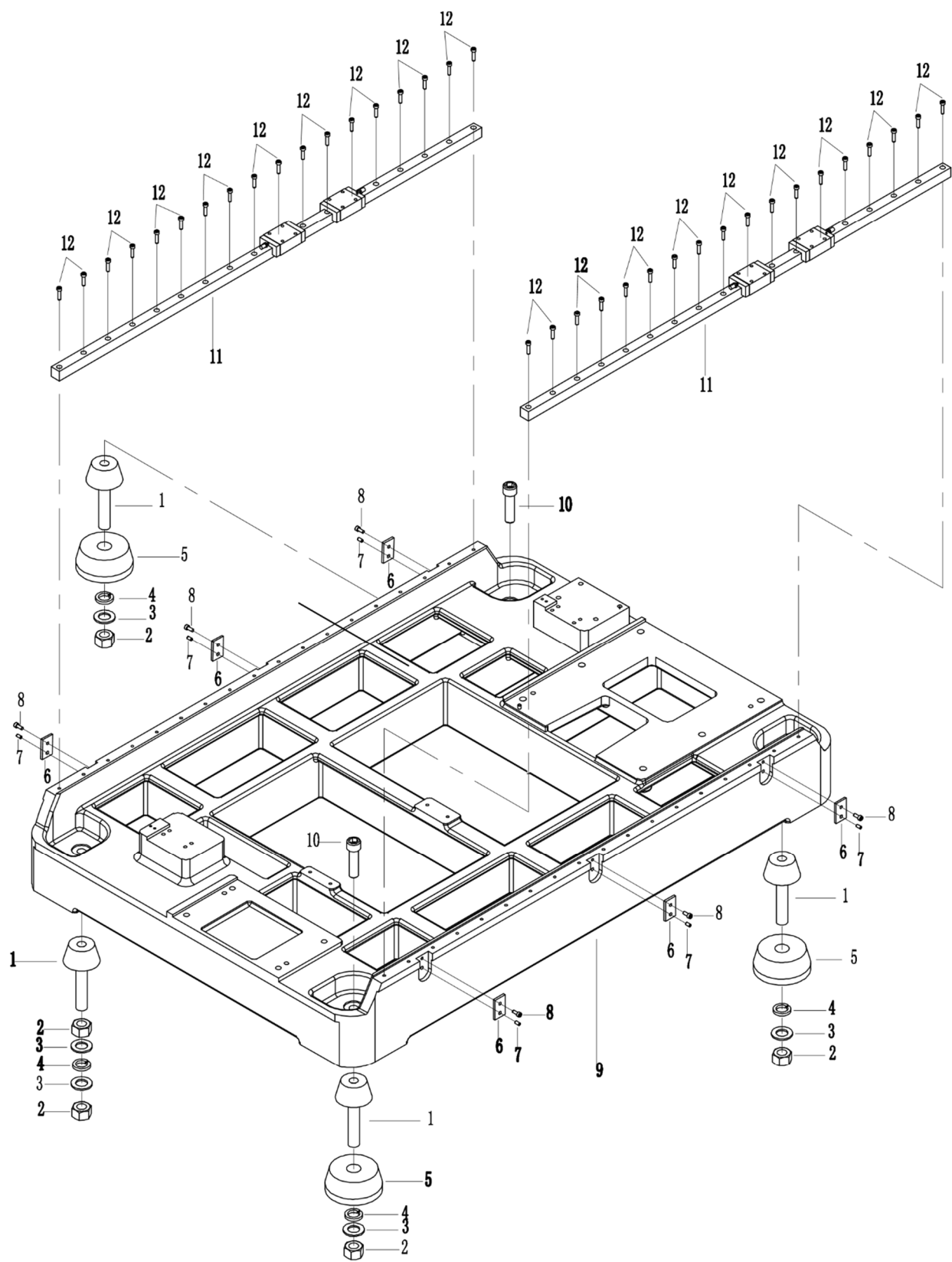
Thread Cutter Drive



## 11. Machine Base and Y-Axis Bearing Rail Assembly

| Number | Part Number    | Quantity | Note |
|--------|----------------|----------|------|
| 1      | 8200 0146270   | 4        |      |
| 2      | 91-41-20-1     | 5        |      |
| 3      | 91-97.1-20-0   | 5        |      |
| 4      | 91-93-20-1     | 4        |      |
| 5      | 8200 0148290   | 3        |      |
| 6      | 8200 0817290   | 6        |      |
| 7      | 91-77-0510-1   | 6        |      |
| 8      | 91-70.1-0512-1 | 6        |      |
| 9      | 8200 0145100   | 1        |      |
| 10     | 91-70.1-1660-1 | 2        |      |
| 11     | 8200 0815005   | 2        |      |
| 12     | 91-70.1-0520-1 | 36       |      |

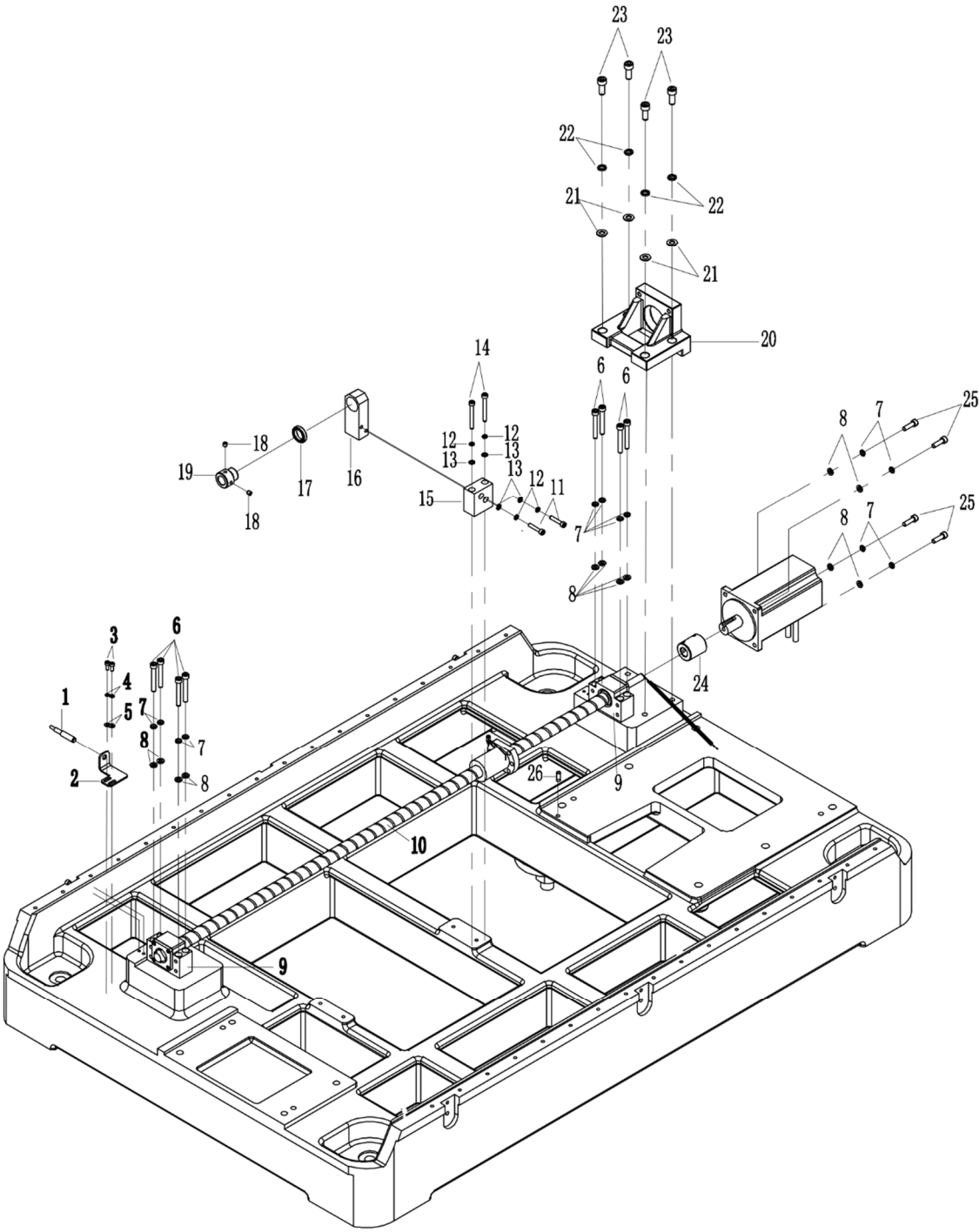
# Machine Base and Y-Axis Bearing Rail Assembly



## 12. Y-Axis Motor and Ball Screw Assembly

| Number | Part Number     | Quantity | Note |
|--------|-----------------|----------|------|
| 1      | 93-30 0004-08   | 1        |      |
| 2      | 8200 0822150    | 1        |      |
| 3      | 91-70.1-0410-1  | 2        |      |
| 4      | 91-93-04-1      | 2        |      |
| 5      | 91-97.1-04-0    | 2        |      |
| 6      | 91-70.1-0645-1  | 8        |      |
| 7      | 91-93-06-1      | 8        |      |
| 8      | 91--848-06-0    | 8        |      |
| 9      | 8200 0803005    | 2        |      |
| 10     | 8200 0808005    | 1        |      |
| 11     | 91-70.1-0525-1  | 2        |      |
| 12     | 91-93-05-1      | 4        |      |
| 13     | 91-848-05-0     | 4        |      |
| 14     | 91-70.1-0545-1  | 2        |      |
| 15     | 8200 0150290    | 1        |      |
| 16     | 8200 0151290    | 1        |      |
| 17     | 6802ZZ          | 1        |      |
| 18     | 8200 0124170    | 2        |      |
| 19     | 8200 0152120    | 1        |      |
| 20     | 8200 0801100    | 1        |      |
| 21     | 91-97.1-08-0    | 4        |      |
| 22     | 91-93-08-1      | 4        |      |
| 23     | 91-70.1-0820-1  | 4        |      |
| 24     | 8200 0802125    | 1        |      |
| 25     | 91-70.1-0620-1  | 4        |      |
| 26     | 91-119.1-0612-0 | 1        |      |

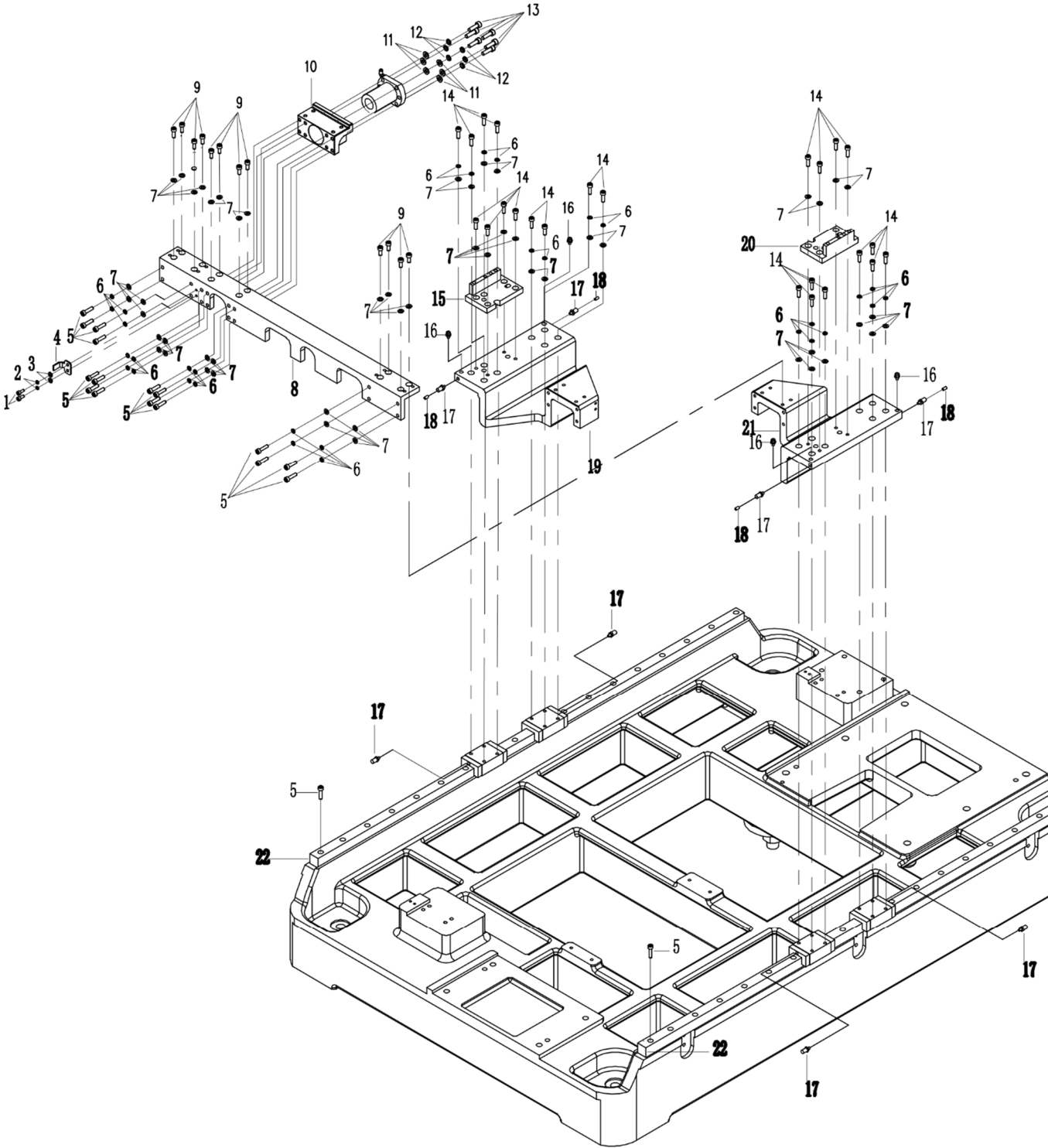
# Y-Axis Motor and Ball Screw Assembly



### 13. Y-Axis Carriage Assembly

| Number | Part Number     | Quantity | Note |
|--------|-----------------|----------|------|
| 1      | 91-70.1-0410-1  | 2        |      |
| 2      | 91-93-04-1      | 2        |      |
| 3      | 91-97.1-04-0    | 2        |      |
| 4      | 8200 0821150    | 1        |      |
| 5      | 91-70.1-0520-1  | 52       |      |
| 6      | 91-93-05-1      | 32       |      |
| 7      | 91-97.1-05-0    | 52       |      |
| 8      | 8200 0812290    | 1        |      |
| 9      | 91-70.1-0512-1  | 12       |      |
| 10     | 8200 0811290    | 1        |      |
| 11     | 91-97.1-06-0    | 6        |      |
| 12     | 91-93-06-1      | 6        |      |
| 13     | 91-70.1-0620-1  | 6        |      |
| 14     | 91-70.1-0516-1  | 28       |      |
| 15     | 8200 0819005    | 1        |      |
| 16     | 92-42 0008-06   | 4        |      |
| 17     | 92-42-0006-0304 | 8        |      |
| 18     | 8200 0826300    | 4        |      |
| 19     | 8200 0813005    | 1        |      |
| 20     | 8200 0820005    | 1        |      |
| 21     | 8200 0815005    | 1        |      |
| 22     | 82000815005     | 1        |      |

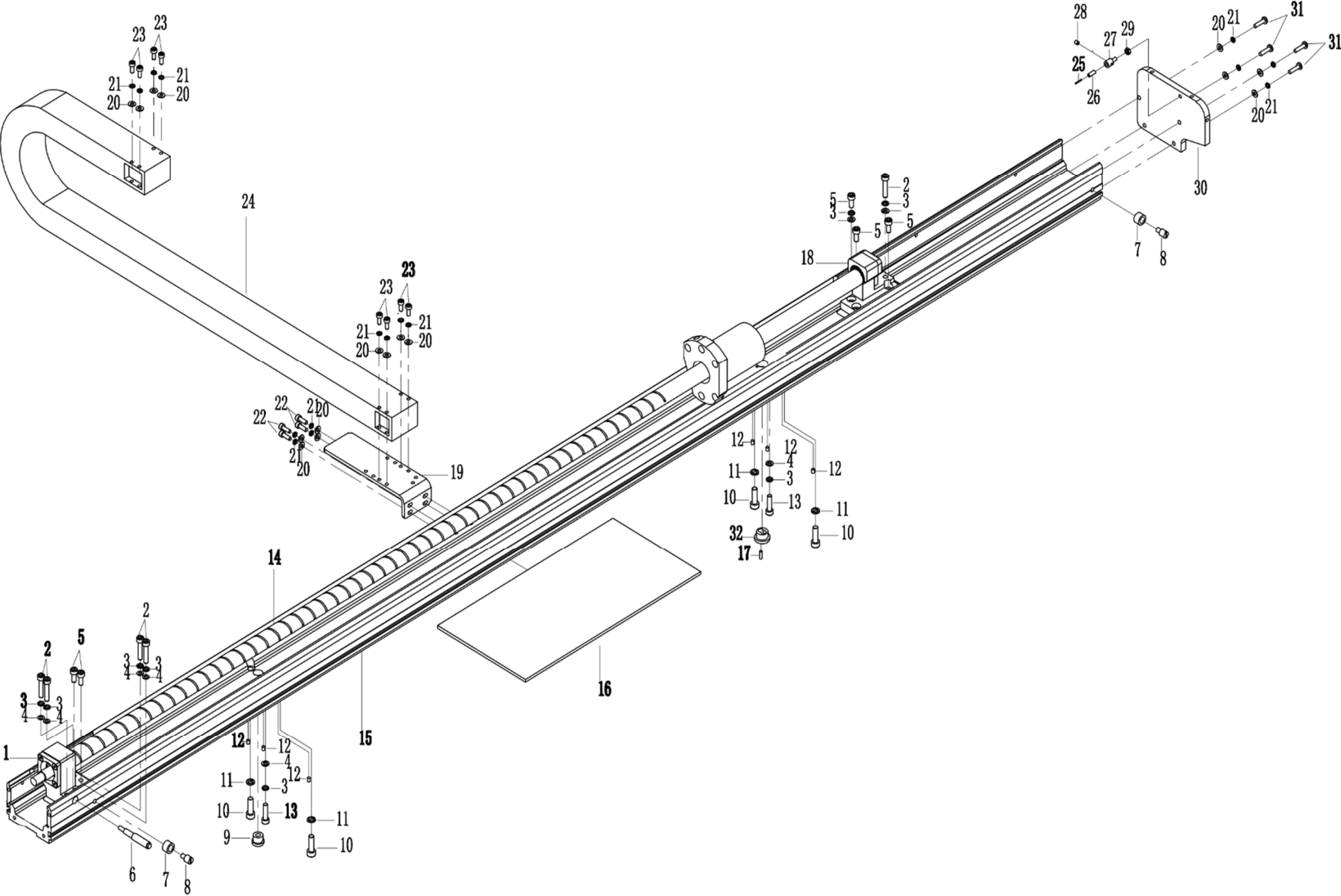
Y-Axis Carriage Assembly



## 14. X-Axis Ball Screw Assembly

| Number | Part Number      | Quantity | Note |
|--------|------------------|----------|------|
| 1      | 8200 0707005     | 1        |      |
| 2      | 91-70.1-0525-1   | 5        |      |
| 3      | 91-93-05-1       | 7        |      |
| 4      | 91-848-05-0      | 7        |      |
| 5      | 91-70.1-0512-1   | 5        |      |
| 6      | 93-30 0002-08    | 1        |      |
| 7      | 8200 0731260     | 2        |      |
| 8      | 8200 0732170     | 2        |      |
| 9      | 8200 0704120     | 1        |      |
| 10     | 91-70.1-0620-1   | 8        |      |
| 11     | 91-93-06-1       | 8        |      |
| 12     | 8200 0761260     | 6        |      |
| 13     | 91-70.1-0520-1   | 2        |      |
| 14     | 8200 0747005     | 1        |      |
| 14.1   | 8200 0766005     | 1        |      |
| 15     | 8200 0765300     | 1        |      |
| 15.1   | 8200 0782300     | 1        |      |
| 16     |                  | 1        |      |
| 17     | 8200 0750110     | 1        |      |
| 18     | 8200 0714005     | 1        |      |
| 19     | 8200 0761290     | 1        |      |
| 20     | 91-97.1-04-0     | 16       |      |
| 21     | 91-93-04-1       | 16       |      |
| 22     | 91-70.1-0412-3   | 4        |      |
| 23     | 91-70.1-0410-3   | 8        |      |
| 24     | 8200 0762260     | 1        |      |
| 25     | 8200 0735400     | 1        |      |
| 26     | 92-41 0019-042.5 | 1        |      |
| 27     | 8200 0734110     | 1        |      |
| 28     | 91-77-0405-1     | 1        |      |
| 29     | 91-6170-04-0     | 1        |      |
| 30     | 8200 0733280     | 1        |      |
| 31     | 91-818-0416-3    | 4        |      |
| 32     | 8200 0705120     | 1        |      |

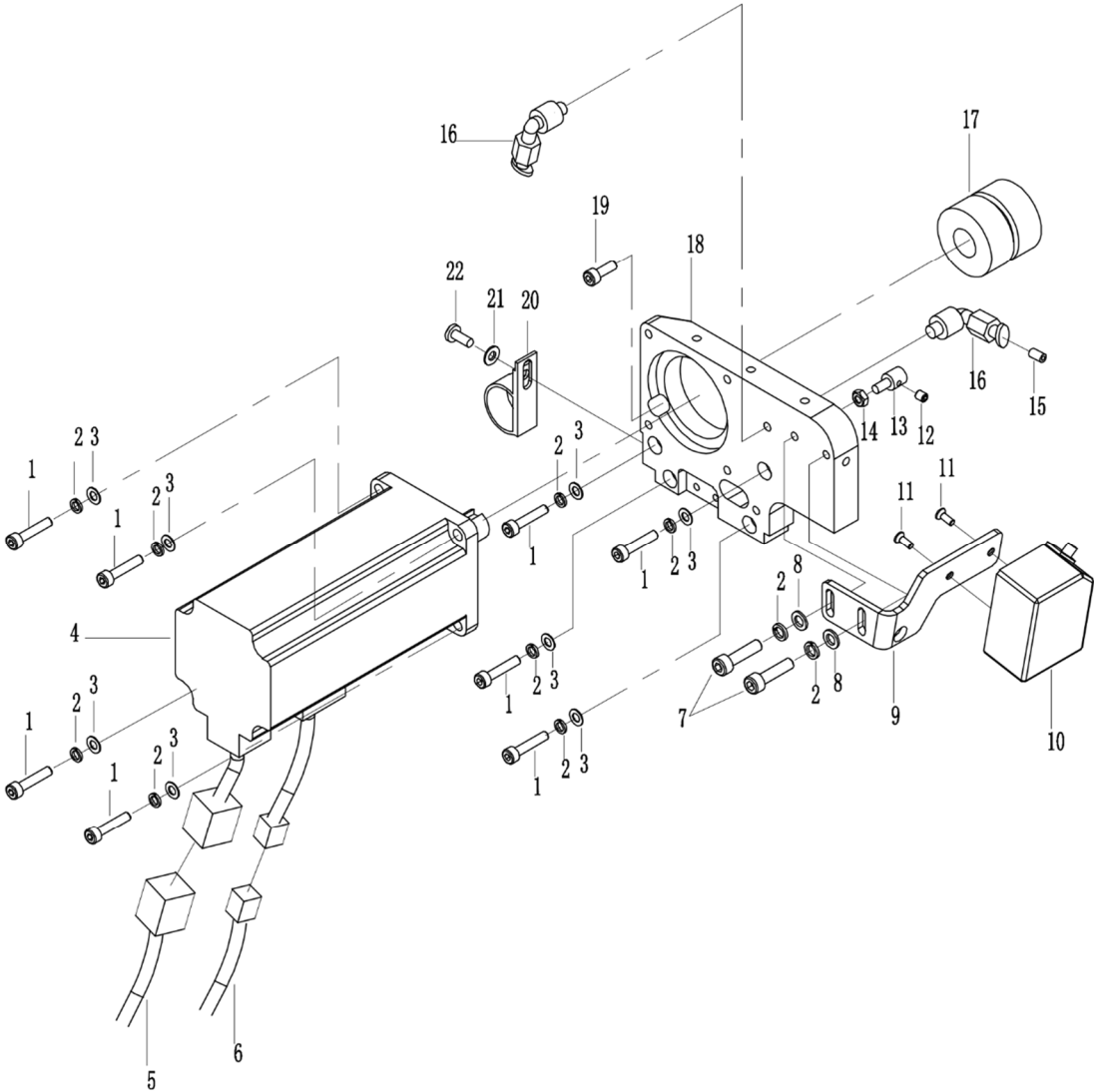
X-Axis Ball Screw Assembly



## 15. X-Axis Motor Assembly

| Number | Part Number      | Quantity | Note |
|--------|------------------|----------|------|
| 1      | 91-70.1-0420-1   | 8        |      |
| 2      | 91-93-04-1       | 10       |      |
| 3      | 91-818-04-0      | 8        |      |
| 4      | 93-21 0002-0604  | 1        |      |
| 5      | 93- 41 0014-0604 | 1        |      |
| 6      | 93-41 0015-0604  | 1        |      |
| 7      | 91-70.1-0412-3   | 2        |      |
| 8      | 91-97.1-04-0     | 2        |      |
| 9      | 8200 0737290     | 1        |      |
| 10     | 93-20 0001-100   | 1        |      |
| 11     | 91-70.3-0308-3   | 2        |      |
| 12     | 91-77-0405-1     | 1        |      |
| 13     | 8200 0734110     | 1        |      |
| 14     | 91-6170-04-0     | 1        |      |
| 15     | 82-41 0022-042.5 | 1        |      |
| 16     | 92-42 0001-0405  | 2        |      |
| 17     | 8200 0706125     | 1        |      |
| 18     | 8200 0701290     | 1        |      |
| 19     | 91-70.1-0412-1   | 1        |      |
| 20     | 8200 0161150     | 1        |      |
| 21     | 91-97.1-04-0     | 1        |      |
| 22     | 91-818-0410-3    | 1        |      |

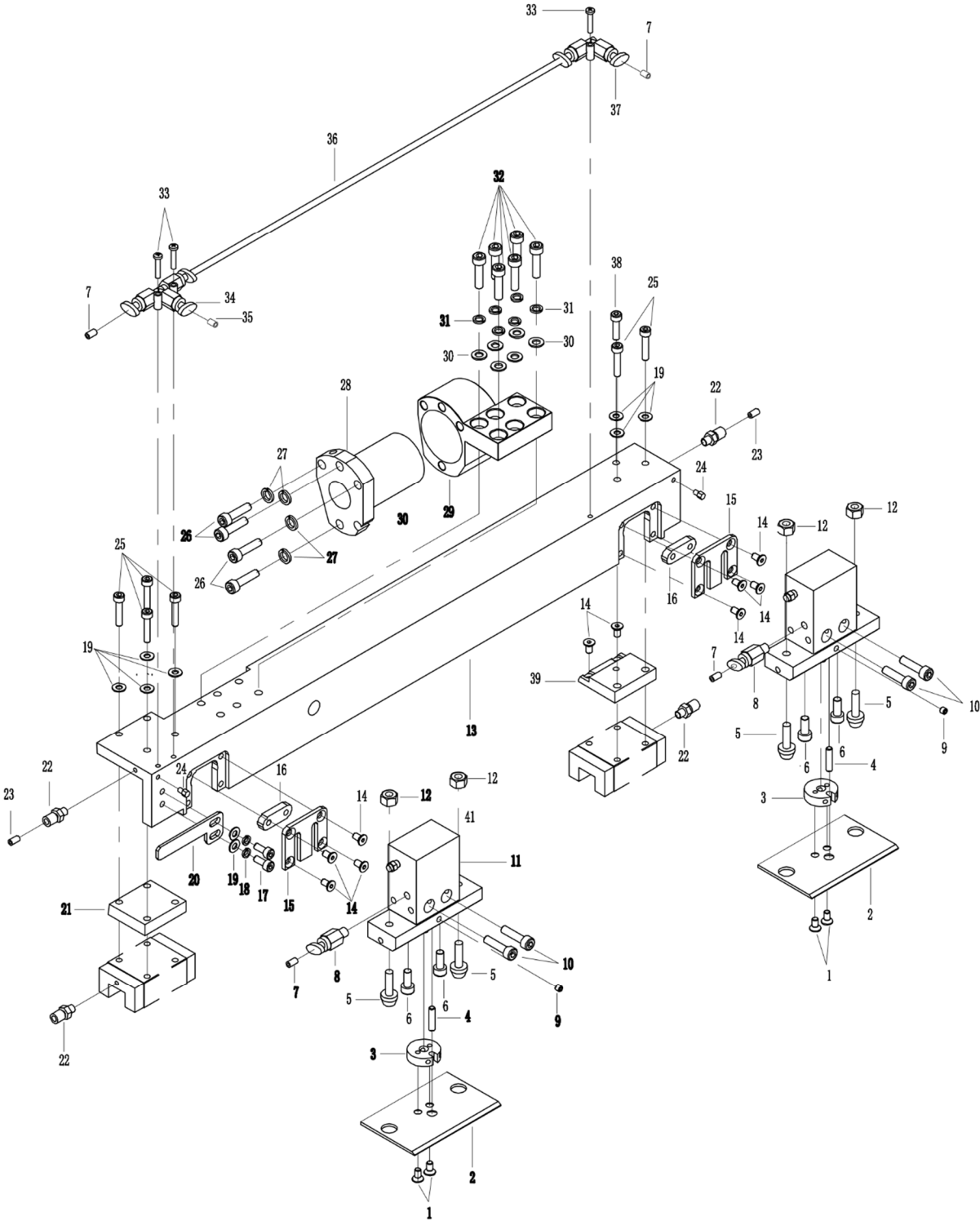
# X-Axis Motor Assembly



## 16. X-Axis Carriage Assembly

| Number | Part Number      | Quantity | Note |
|--------|------------------|----------|------|
| 1      | 91-70.3-0408-0   | 4        |      |
| 2      | 8200 0760290     | 2        |      |
| 3      | 8200 0758290     | 2        |      |
| 4      | 8200 0759290     | 2        |      |
| 5      | 8200 0575290     | 4        |      |
| 6      | 91-70.1-0512-1   | 4        |      |
| 7      | 92-41 0004-042.5 | 2        |      |
| 8      | 92-42 0003-0504  | 2        |      |
| 9      | 91-77-0404-1     | 2        |      |
| 10     | 91-70.1-0525-3   | 4        |      |
| 11     | 92-31 0002-2005  | 2        |      |
| 12     | 91-41-06-3       | 4        |      |
| 13     | 8200 0745300     | 1        |      |
| 14     | 91-70.3-0408-1   | 10       |      |
| 15     | 8200 0723290     | 2        |      |
| 16     | 8200 0724290     | 2        |      |
| 17     | 91-70.1-0410-3   | 2        |      |
| 18     | 91-93-04-1       | 2        |      |
| 19     | 91-97.1-04-0     | 9        |      |
| 20     | 8200 0748290     | 1        |      |
| 21     | 8200 0721290     | 1        |      |
| 22     | 92-42 0006-0304  | 4        |      |
| 23     | 8200 0752300     | 2        |      |
| 24     | 92-42 0008-06    | 2        |      |
| 25     | 91-70.1-0422-1   | 6        |      |
| 26     | 91-70.1-0620-1   | 4        |      |
| 27     | 91-97.1-05-0     | 4        |      |
| 28     | 8200 0712120     | 1        |      |
| 29     | 8200 0713290     | 1        |      |
| 30     | 91-97.1-05-0     | 6        |      |
| 31     | 91-93-06-1       | 6        |      |
| 32     | 91-70.1-0520-1   | 6        |      |
| 33     | 91-818-0316-3    | 3        |      |
| 34     | 92-42 0005-0404  | 1        |      |
| 35     | 92-41 0006-042.5 | 1        |      |
| 36     | 92-41 0018-042.5 | 1        |      |
| 37     | 92-42 0004-0404  | 1        |      |
| 38     | 91-70.1-0416-1   | 1        |      |
| 39     | 8200 0720290     | 1        |      |

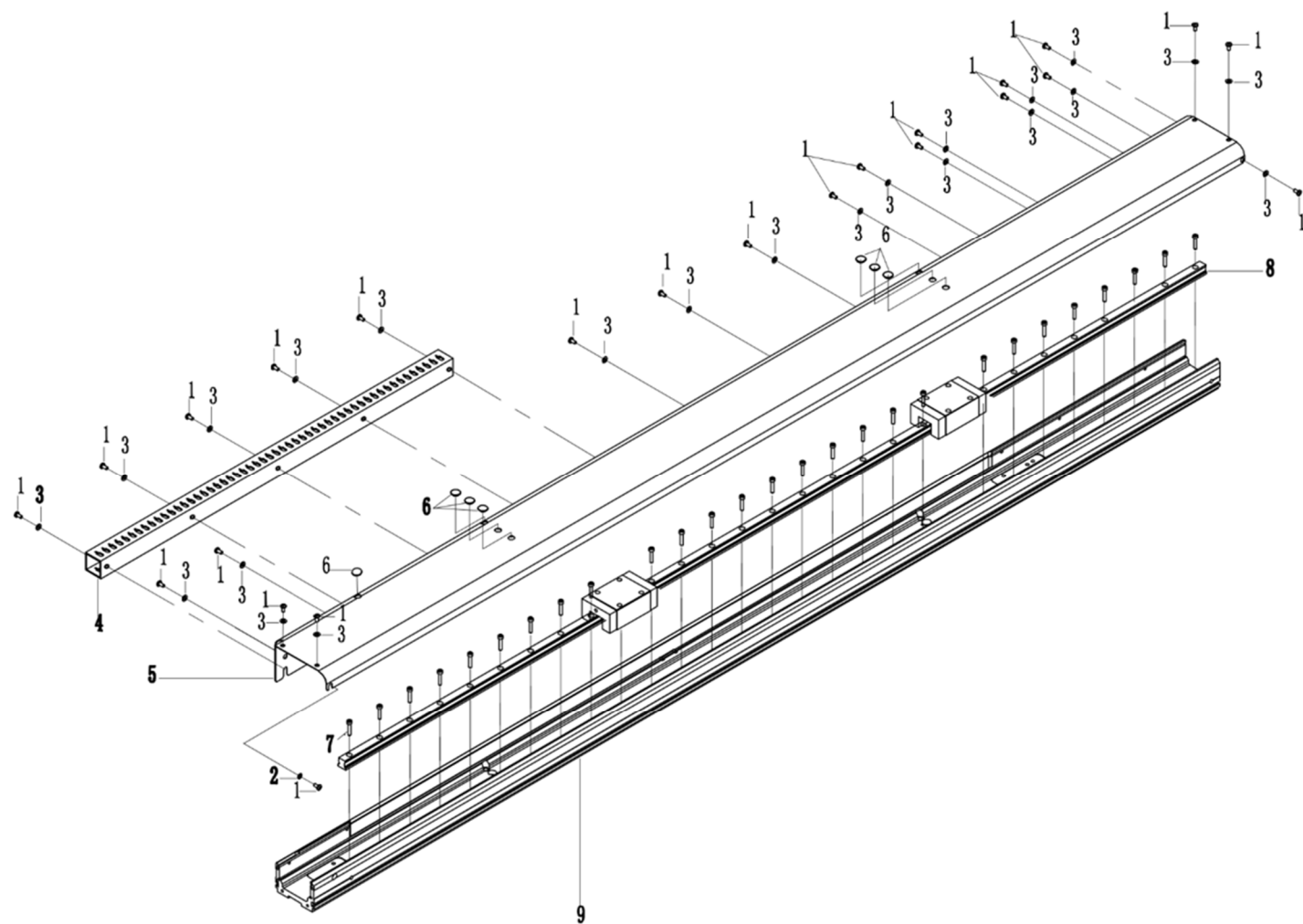
# X-Axis Carriage Assembly



## 17. X-Axis Bearing Rail Assembly

| Number | Part Number    | Quantity | Note |
|--------|----------------|----------|------|
| 1      | 91-818-0408-3  | 24       |      |
| 2      | 91-848-04-0    | 1        |      |
| 3      | 91-97.1-04-0   | 23       |      |
| 4      | 8200 079260    | 1        |      |
| 5      | 8200 0736150   | 1        |      |
| 6      | 8200 0739270   | 7        |      |
| 7      | 91-70.1-0420-1 | 26       |      |
| 8      | 8200 0718005   | 1        |      |
| 9      | 8200 0746003   | 1        |      |

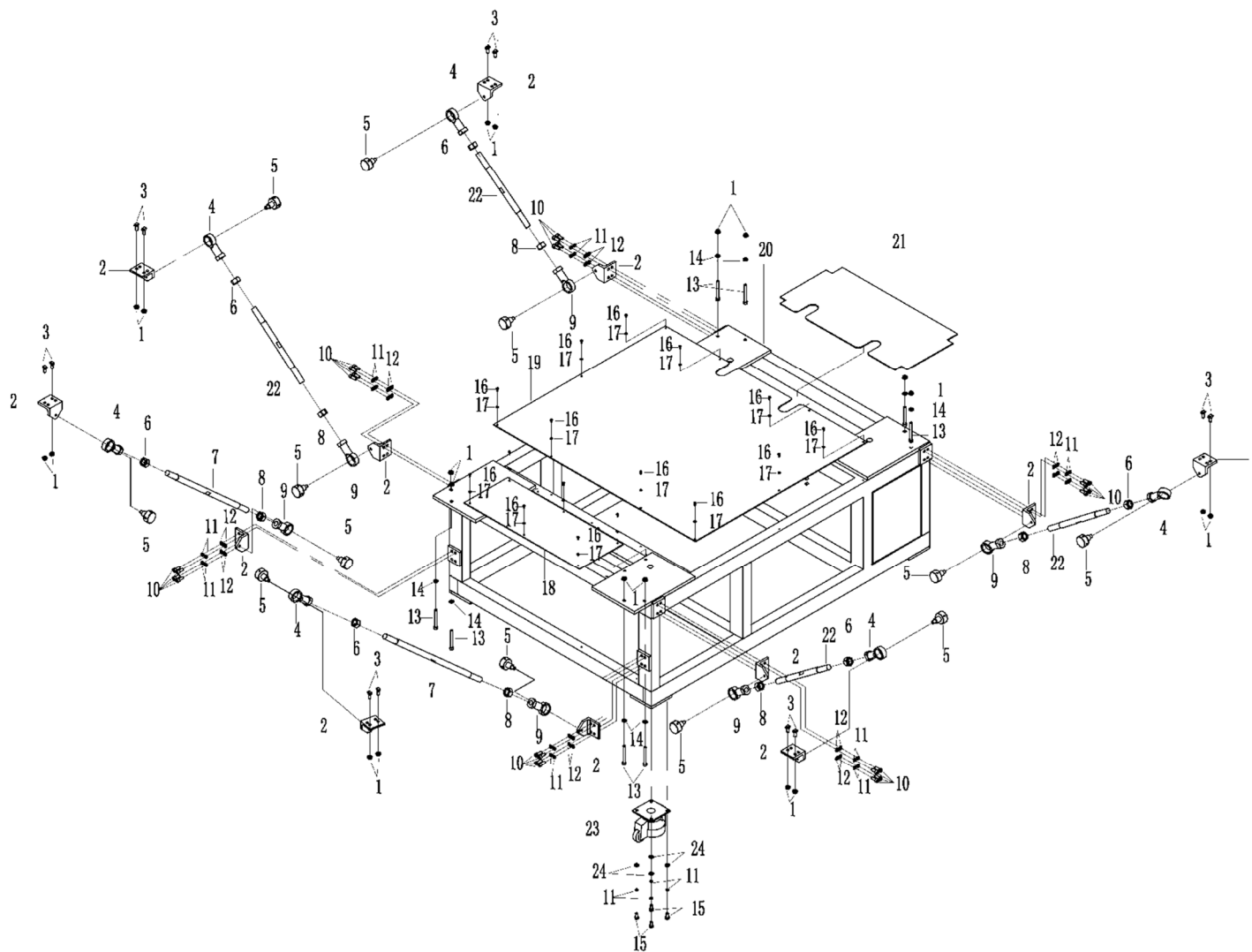
## X-Axis Bearing Rail Assembly



## 18. Machine Frame

| Number | Part Number    | Quantity | Note |
|--------|----------------|----------|------|
| 1      | 8200 1016180   | 20       |      |
| 2      | 8200 1042150   | 12       |      |
| 3      | 8200 1015170   | 12       |      |
| 4      | 8200 1045400   | 6        |      |
| 5      | 8200 1043170   | 6        |      |
| 6      | 91-6171-18-0   | 6        |      |
| 7      | 8200 1054110   | 2        |      |
| 8      | 8200 1048480   | 6        |      |
| 9      | 8200 1047400   | 6        |      |
| 10     | 91-70.1-0820-1 | 24       |      |
| 11     | 91-93-08-1     | 40       |      |
| 12     | 91-848-08-0    | 24       |      |
| 13     | 91-70.1-0870-1 | 8        |      |
| 14     | 91-96.1-08-0   | 8        |      |
| 15     | 91-5781-0816-1 | 16       |      |
| 16     | 91-29.2-0408-3 | 16       |      |
| 17     | 91-97.1-01-0   | 16       |      |
| 18     | 8200 1010150   | 1        |      |
| 19     | 8200 1009150   | 1        |      |
| 20     | 8200 1001003   | 1        |      |
| 21     | 8200 1004150   | 1        |      |
| 22     | 8200 1046110   | 4        |      |
| 23     | 8200 1011400   | 4        |      |
| 24     | 91-97.1-08-0   | 16       |      |

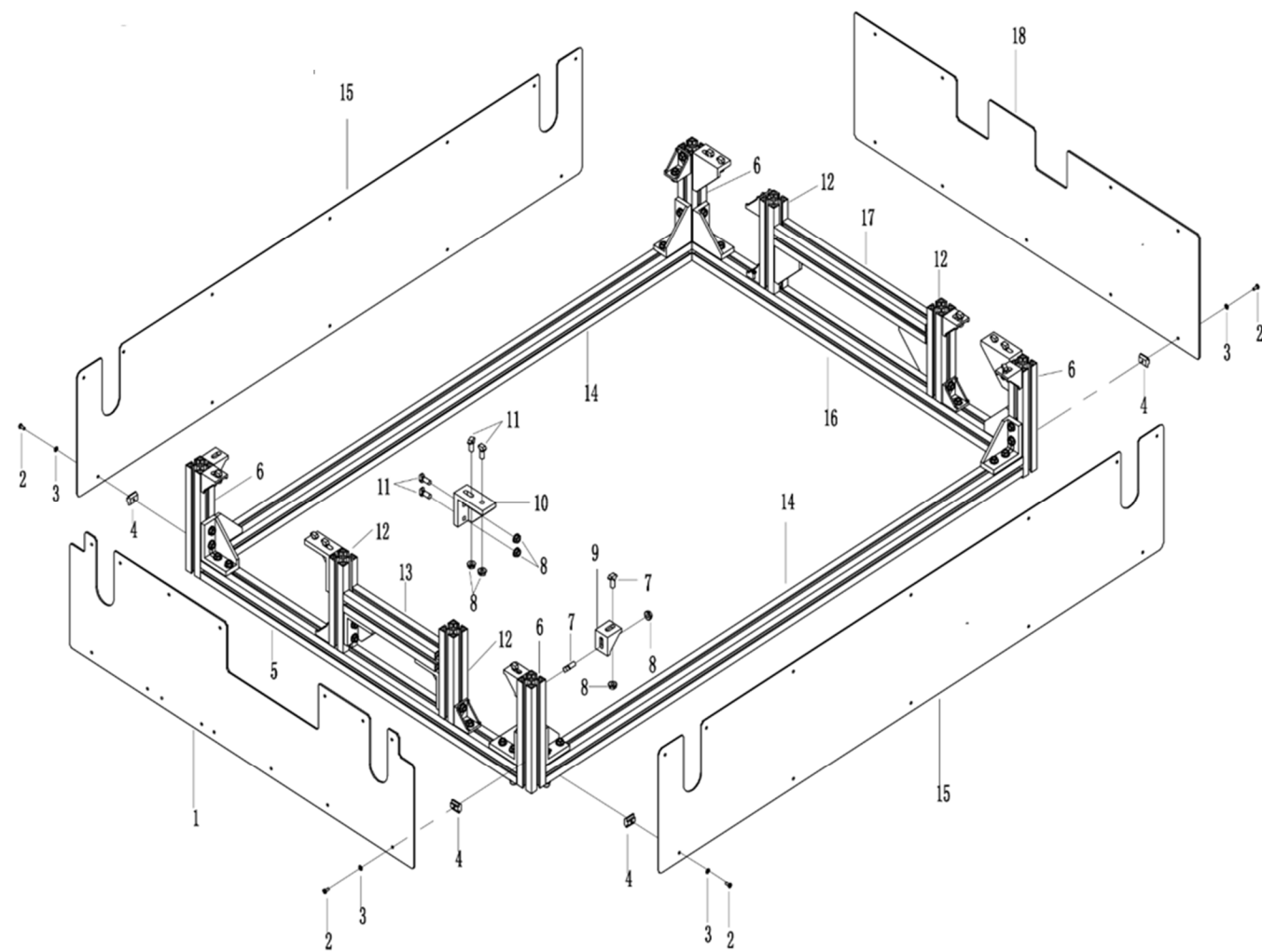
# Machine Frame



## 19. Table Subframe

| Number | Part Number   | Quantity | Note |
|--------|---------------|----------|------|
| 1      | 8200 1067260  | 1        |      |
| 2      | 91-818-0410-3 | 47       |      |
| 3      | 91-97.1-04-0  | 47       |      |
| 4      | 8200 1068180  | 47       |      |
| 5      | 8200 1019300  | 1        |      |
| 6      | 8200 1017300  | 4        |      |
| 7      | 8200 6001170  | 24       |      |
| 8      | 8200 1016180  | 88       |      |
| 9      | 8200 1040280  | 12       |      |
| 10     | 8200 1014280  | 16       |      |
| 11     | 8200 1015170  | 64       |      |
| 12     | 8200 1018300  | 4        |      |
| 13     | 8200 1075300  | 1        |      |
| 14     | 8200 1013300  | 2        |      |
| 15     | 8200 1069260  | 2        |      |
| 16     | 8200 1012300  | 1        |      |
| 17     | 8200 1076300  | 1        |      |
| 18     | 8200 1070260  | 1        |      |

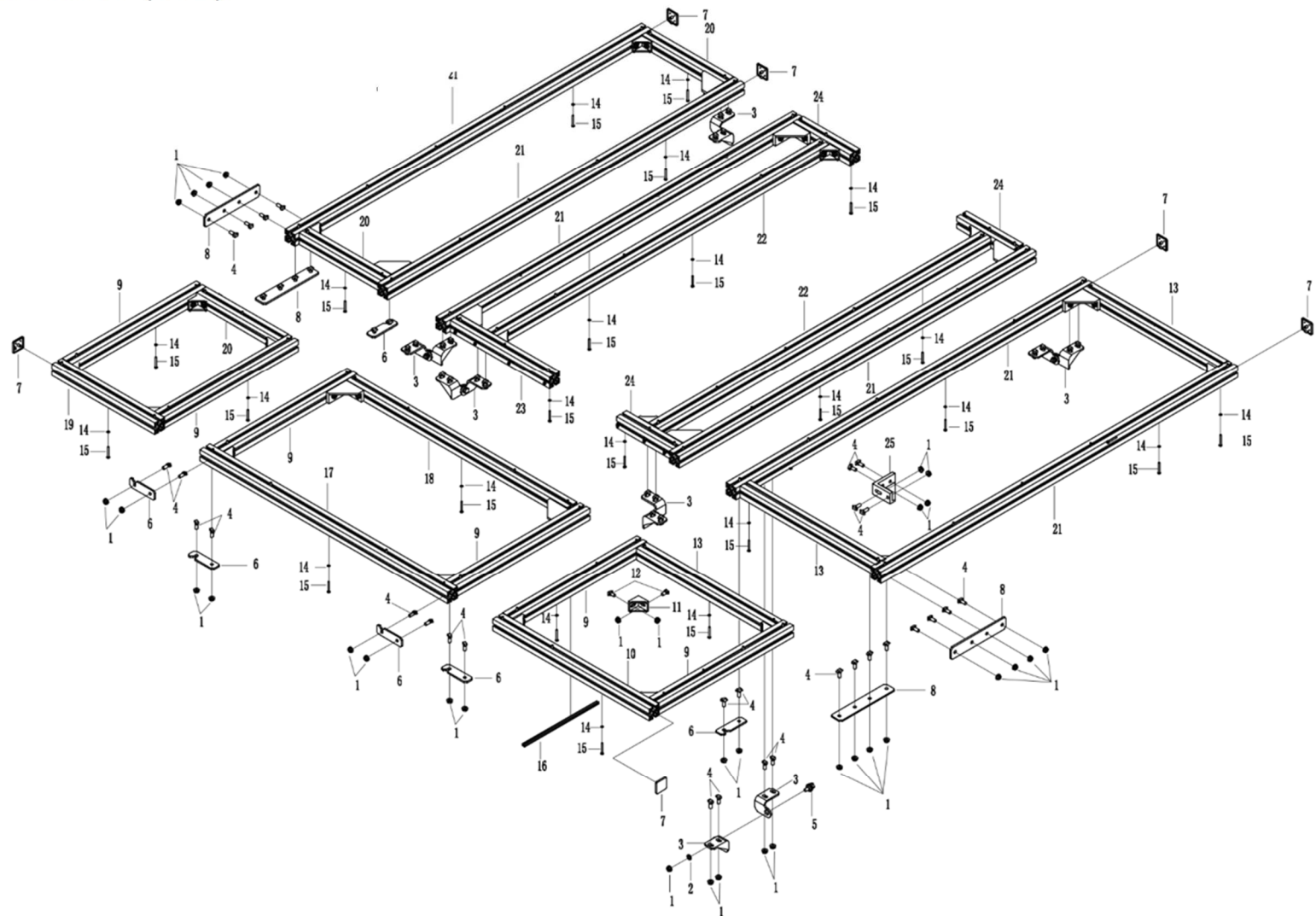
Table Subframe



## 20. Table Top Structure (100)

| Number | Part Number   | Quantity | Note |
|--------|---------------|----------|------|
| 1      | 8200 1016180  | 134      |      |
| 2      | 91-97.1-08-0  | 6        |      |
| 3      |               | 12       |      |
| 4      | 8200 1015170  | 92       |      |
| 5      | 8200 1035110  | 6        |      |
| 6      | 8200 1060150  | 6        |      |
| 7      | 8200 1076270  | 6        |      |
| 8      | 8200 1059150  | 4        |      |
| 9      | 8200 1057300  | 6        |      |
| 10     | 8200 1096300  | 1        |      |
| 11     | 8200 1040280  | 18       |      |
| 12     | 8200 6001170  | 36       |      |
| 13     | 8200 1093300  | 3        |      |
| 14     | 91-848-04-0   | 71       |      |
| 15     | 91-818-0435-3 | 71       |      |
| 16     | 8200 1077270  | 1        |      |
| 17     | 8200 1058300  | 1        |      |
| 18     | 8200 1056300  | 1        |      |
| 19     | 8200 6006300  | 1        |      |
| 20     | 8200 1090300  | 3        |      |
| 21     | 8200 1024300  | 6        |      |
| 22     | 8200 1074300  | 2        |      |
| 23     | 8200 1022300  | 1        |      |
| 24     | 8200 1021300  | 3        |      |
| 25     | 8200 1014280  | 10       |      |

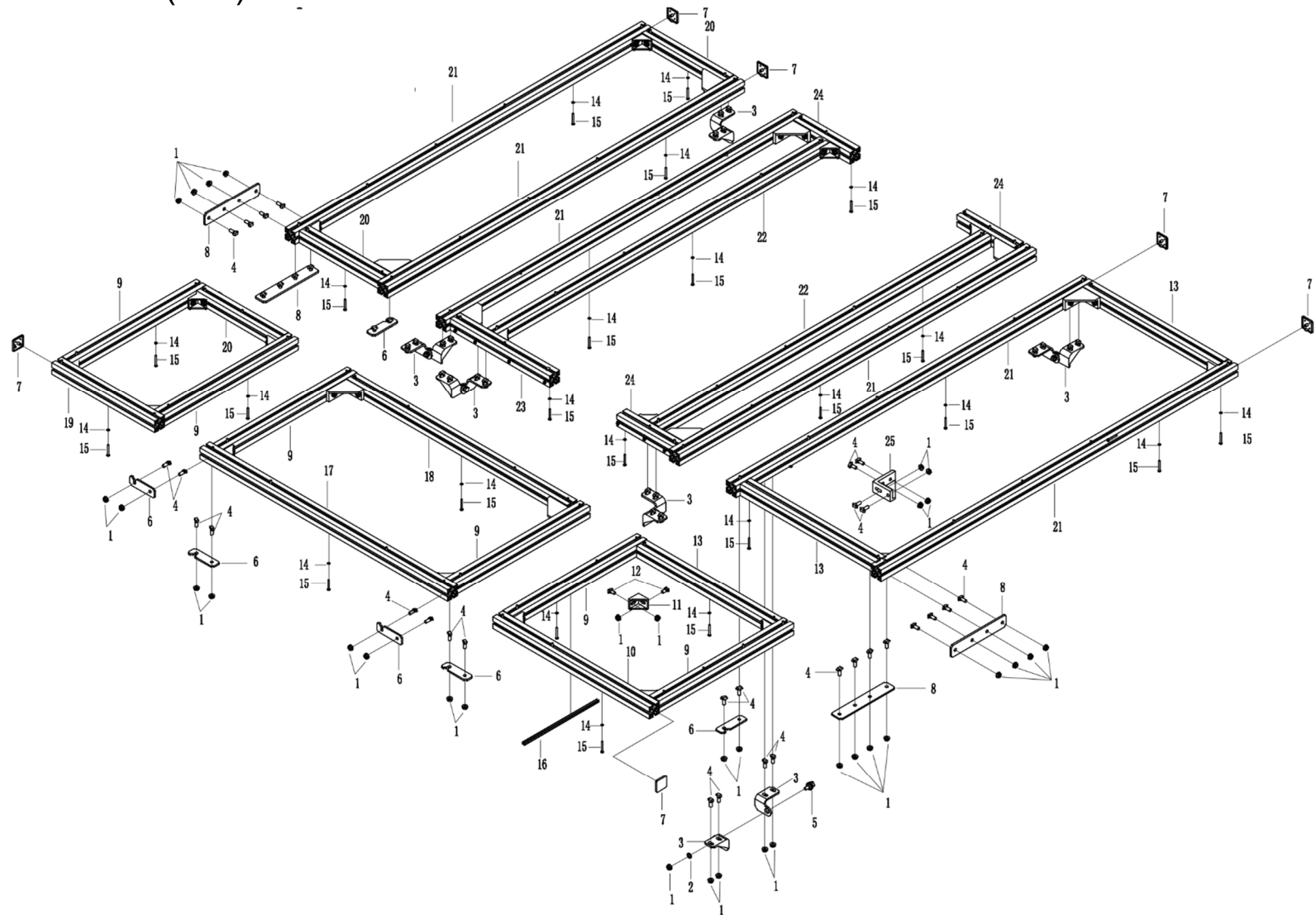
Table Top Structure (100)



## 21. Table Top Structure (120)

| Number | Part Number   | Quantity | Note |
|--------|---------------|----------|------|
| 1      | 8200 1016180  | 134      |      |
| 2      | 91-97.1-08-0  | 6        |      |
| 3      |               | 12       |      |
| 4      | 8200 1015170  | 92       |      |
| 5      | 8200 1035110  | 6        |      |
| 6      | 8200 1060150  | 6        |      |
| 7      | 8200 1076270  | 6        |      |
| 8      | 8200 1059150  | 4        |      |
| 9      | 8200 1057300  | 6        |      |
| 10     | 8200 6031300  | 1        |      |
| 11     | 8200 1040280  | 18       |      |
| 12     | 8200 6001170  | 36       |      |
| 13     | 8200 6005300  | 3        |      |
| 14     | 91-848-04-0   | 71       |      |
| 15     | 91-818-0435-3 | 71       |      |
| 16     | 8200 1077270  | 1        |      |
| 17     | 8200 1058300  | 1        |      |
| 18     | 8200 1056300  | 1        |      |
| 19     | 8200 6008300  | 1        |      |
| 20     | 8200 1093300  | 3        |      |
| 21     | 8200 1024300  | 6        |      |
| 22     | 8200 1074300  | 2        |      |
| 23     | 8200 1022300  | 1        |      |
| 24     | 8200 1021300  | 3        |      |
| 25     | 8200 1014280  | 10       |      |

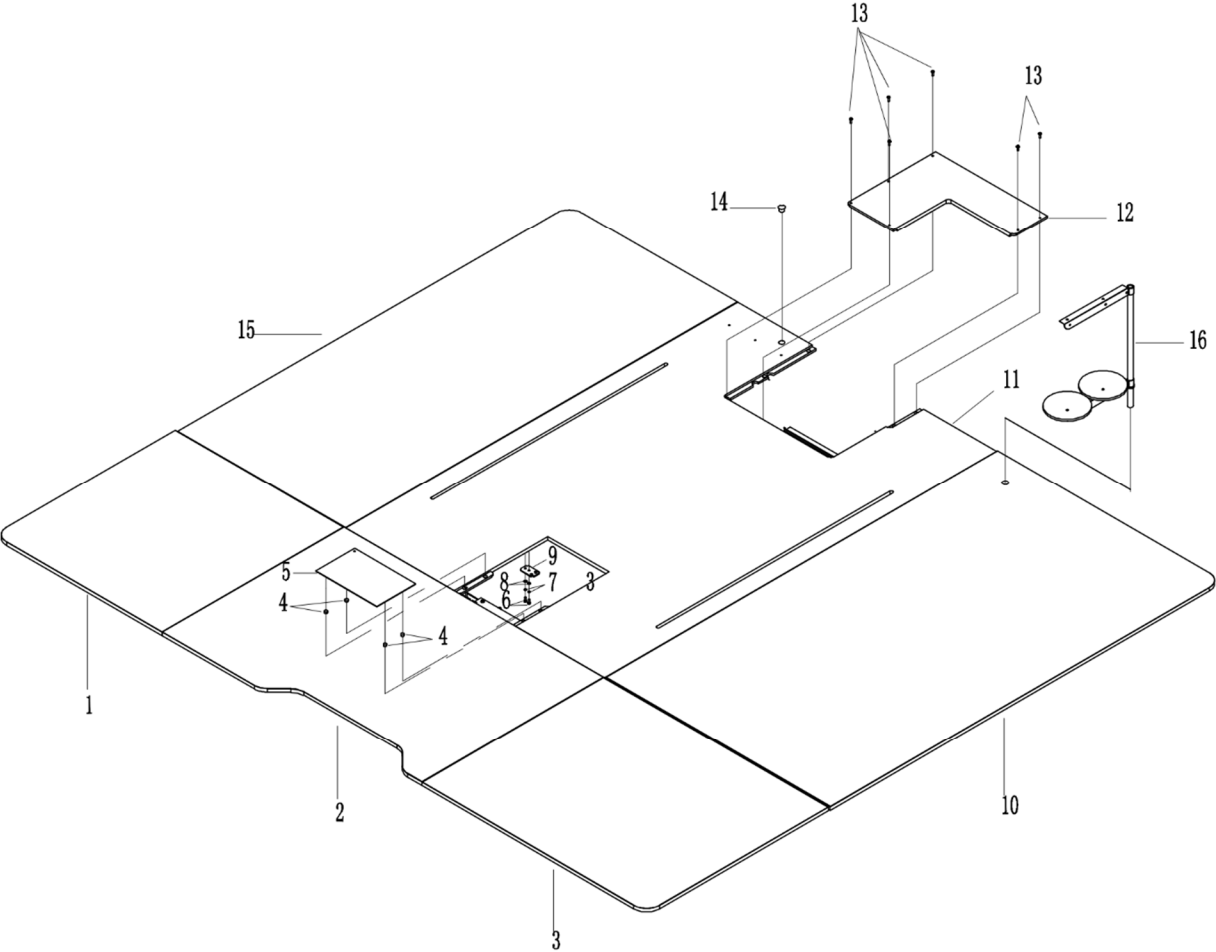
## Table Top Structure (120)



## 22. Table Top (100)

| Number | Part Number    | Quantity | Note |
|--------|----------------|----------|------|
| 1      | 8200 1095310   | 1        |      |
| 2      | 8200 1061310   | 1        |      |
| 3      | 8200 1097310   | 1        |      |
| 4      | 8200 1023400   | 4        |      |
| 5      | 8200 1029150   | 1        |      |
| 6      | 91-70.1-0410-1 | 4        |      |
| 7      | 91-93-04-1     | 4        |      |
| 8      | 91-97.1-04-0   | 4        |      |
| 9      | 8200 1080120   | 2        |      |
| 10     | 8200 1091310   | 1        |      |
| 11     | 8200 1025310   | 1        |      |
| 12     | 8200 1026150   | 1        |      |
| 13     | 91-67-0412-0   | 6        |      |
| 14     | 8200 0110270   | 1        |      |
| 15     | 8200 1092310   | 1        |      |
| 16     | 8200 1073404   | 1        |      |

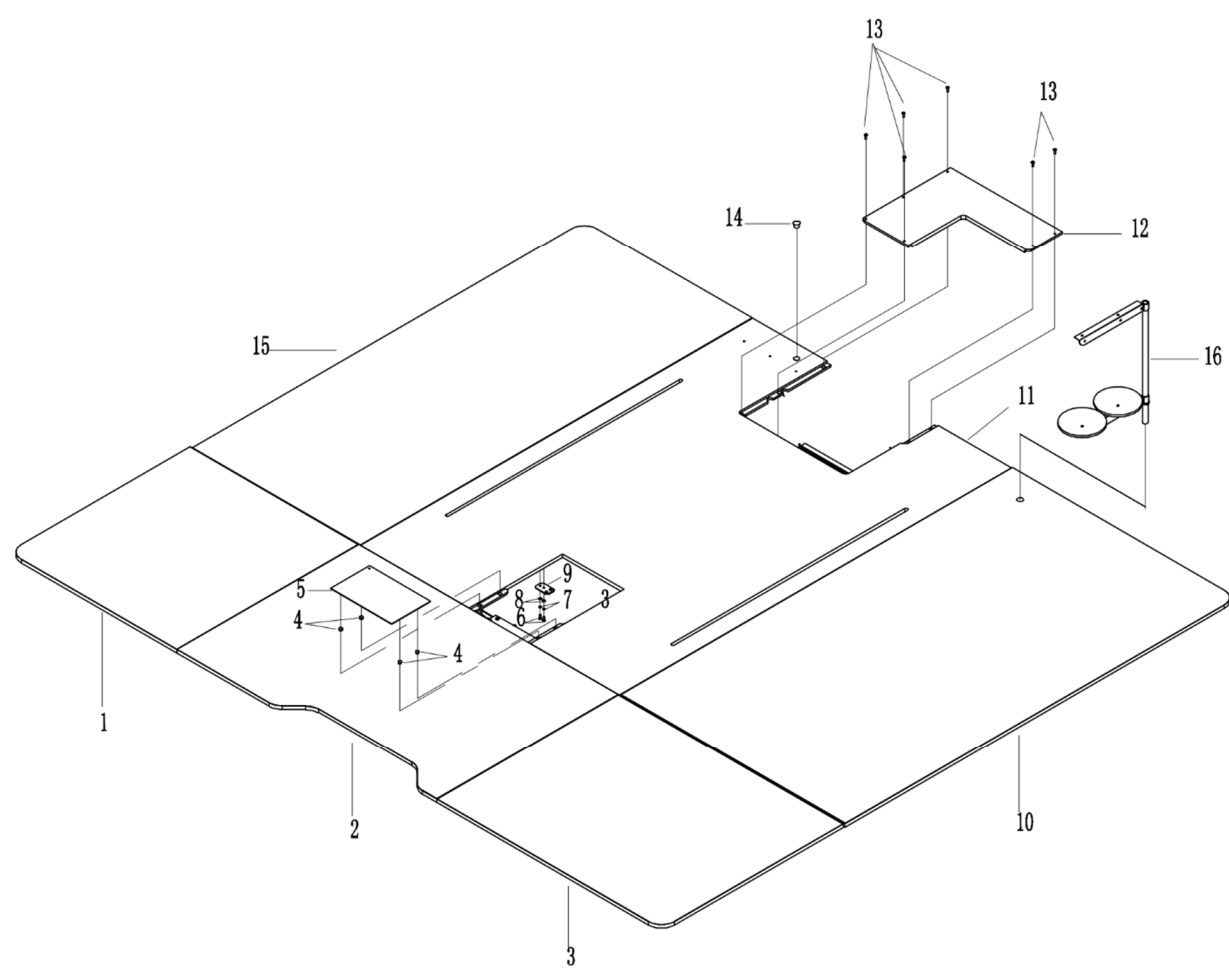
Table Top (100)



## 23. Table Top (120)

| Number | Part Number    | Quantity | Note |
|--------|----------------|----------|------|
| 1      | 8200 06007310  | 1        |      |
| 2      | 8200 1061310   | 1        |      |
| 3      | 8200 6009310   | 1        |      |
| 4      | 8200 1023400   | 4        |      |
| 5      | 8200 1029150   | 1        |      |
| 6      | 91-70.1-0410-1 | 4        |      |
| 7      | 91-93-04-1     | 4        |      |
| 8      | 91-97.1-04-0   | 4        |      |
| 9      | 8200 1080120   | 2        |      |
| 10     | 8200 6004310   | 1        |      |
| 11     | 8200 1025310   | 1        |      |
| 12     | 8200 1026150   | 1        |      |
| 13     | 91-67-0412-0   | 6        |      |
| 14     | 8200 0110270   | 1        |      |
| 15     | 8200 6003310   | 1        |      |
| 16     | 8200 1073404   | 1        |      |

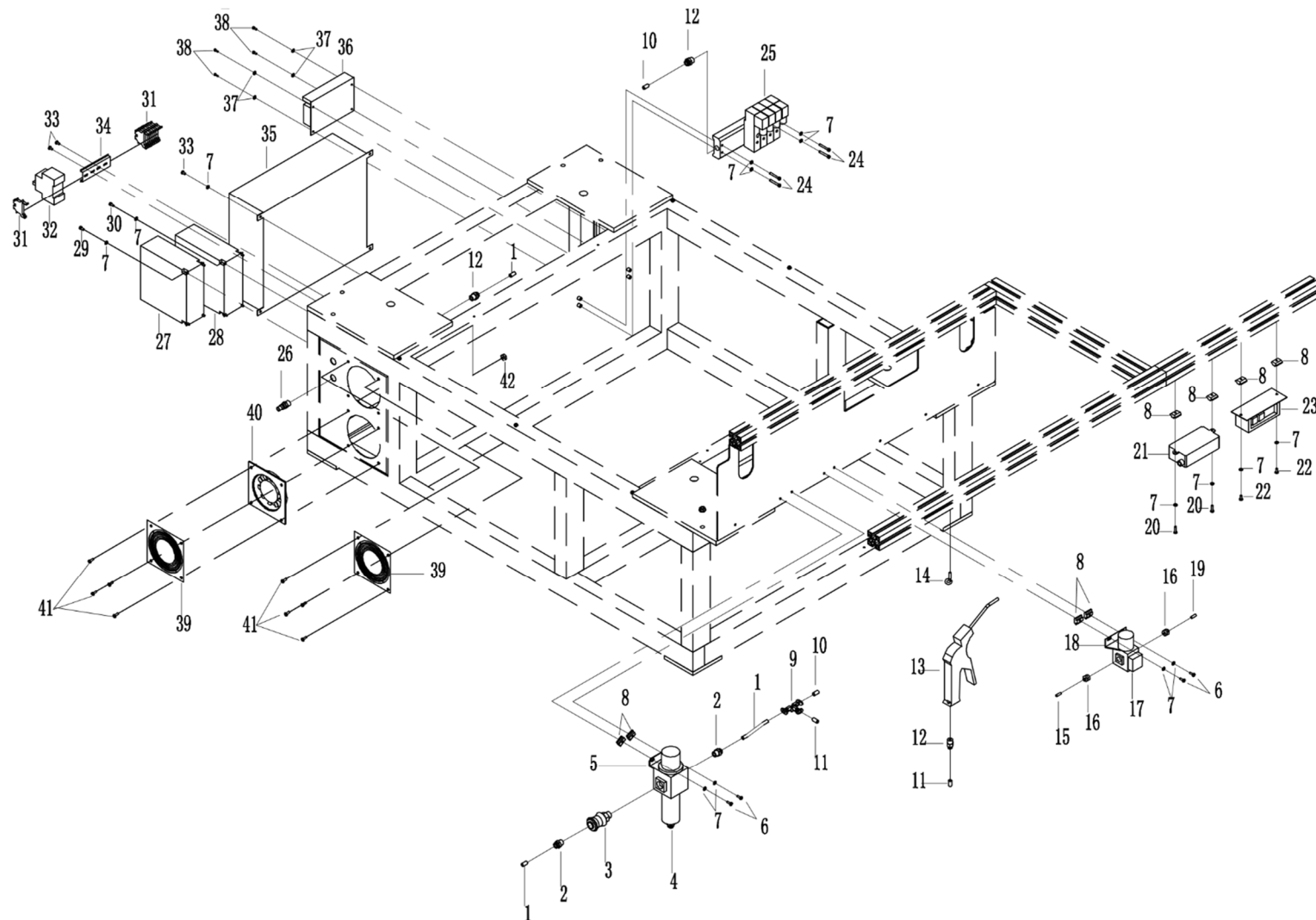
Table Top (120)



## 24. Electrical and Pneumatic Components

| Number | Part Number      | Quantity | Note |
|--------|------------------|----------|------|
| 1      | 92-41 0008-0806  | 2        |      |
| 2      | 92-42 0008-08    | 2        |      |
| 3      | 92-10 0001-10    | 1        |      |
| 4      | 92-21 0001-10    | 1        |      |
| 5      | 92-40 0003       | 1        |      |
| 6      | 91-818-0412-3    | 4        |      |
| 7      | 91-97.1-04-0     |          |      |
| 8      | 8200 1068180     | 4        |      |
| 9      | 92-42 0008-0808  | 1        |      |
| 10     | 92-41 0010-0806  | 1        |      |
| 11     | 92-41 0009-0806  | 1        |      |
| 12     | 92-42 0007-08    | 1        |      |
| 13     | 92-30 0001-08    | 1        |      |
| 14     | 8200 1150170     | 1        |      |
| 15     | 92-41 0010-042.5 | 1        |      |
| 16     | 92-42 0009-04    | 2        |      |
| 17     | 92-23 0001-04    | 1        |      |
| 18     | 92-40 0004       | 1        |      |
| 19     | 92-41 0012-042.5 | 1        |      |
| 20     | 91-818-0416-3    | 2        |      |
| 21     | 93-53 0002-250   | 1        |      |
| 22     | 91-818-0410-3    | 2        |      |
| 23     | 93-54 0002-250   | 1        |      |
| 24     | 91-70.1-0430-1   | 4        |      |
| 25     | 92-10 0002-7 005 | 1        |      |
| 26     | 92-42 0006-08    | 1        |      |
| 27     | 93-10 0001-0721  | 1        |      |
| 28     | 93-10 0002-0421  | 1        |      |
| 29     | 91-70.1-0420-1   | 4        |      |
| 30     | 91-70.1-0416-1   | 4        |      |
| 31     | 93-53 0008-2.5   | 9        |      |
| 32     | 93-54 0001-50    | 1        |      |
| 33     | 91-848-0408-3    | 4        |      |
| 34     | 8200 1102280     | 1        |      |
| 35     | 93-11 0001-005   | 1        |      |
| 36     | 93-10 0003 005   | 1        |      |
| 37     | 91-97.1-03-0     | 4        |      |
| 38     | 91-70.1-0309-1   | 4        |      |
| 39     | 8200 1123400     | 2        |      |
| 40     | 93-20 0002-200   | 1        |      |
| 41     | 91-67-0510-3     | 8        |      |
| 42     | 91-41-05-0       | 4        |      |

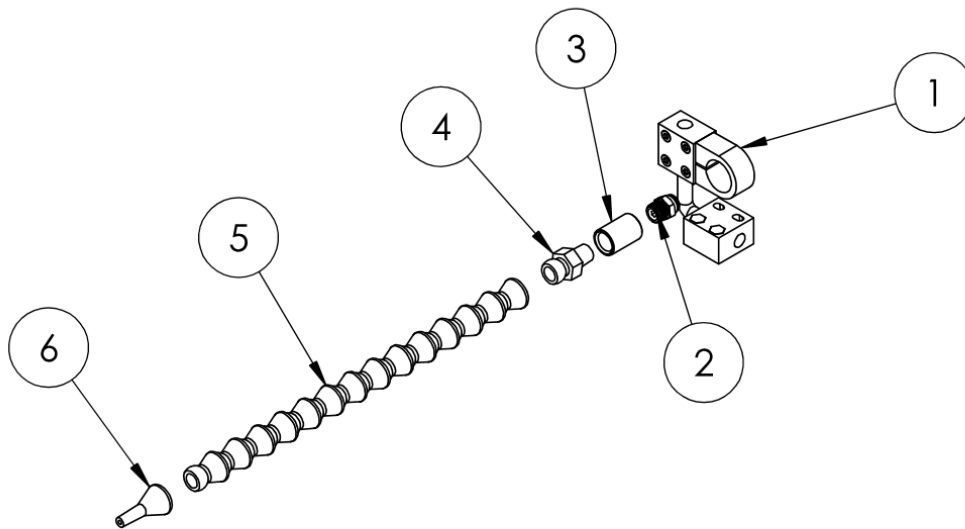
## Electrical and Pneumatic Components



## 25. Needle Cooler

| Number | Part Number  | Quantity | Note |
|--------|--------------|----------|------|
| 1      | 8200 9050100 | 1        |      |
| 2      | 8200 9050101 | 1        |      |
| 3      | 8200 9050102 | 1        |      |
| 4      | 8200 9050103 | 1        |      |
| 5      | 8200 9050104 | 1        |      |
| 6      | 8200 9050105 | 1        |      |

## Needle Cooler

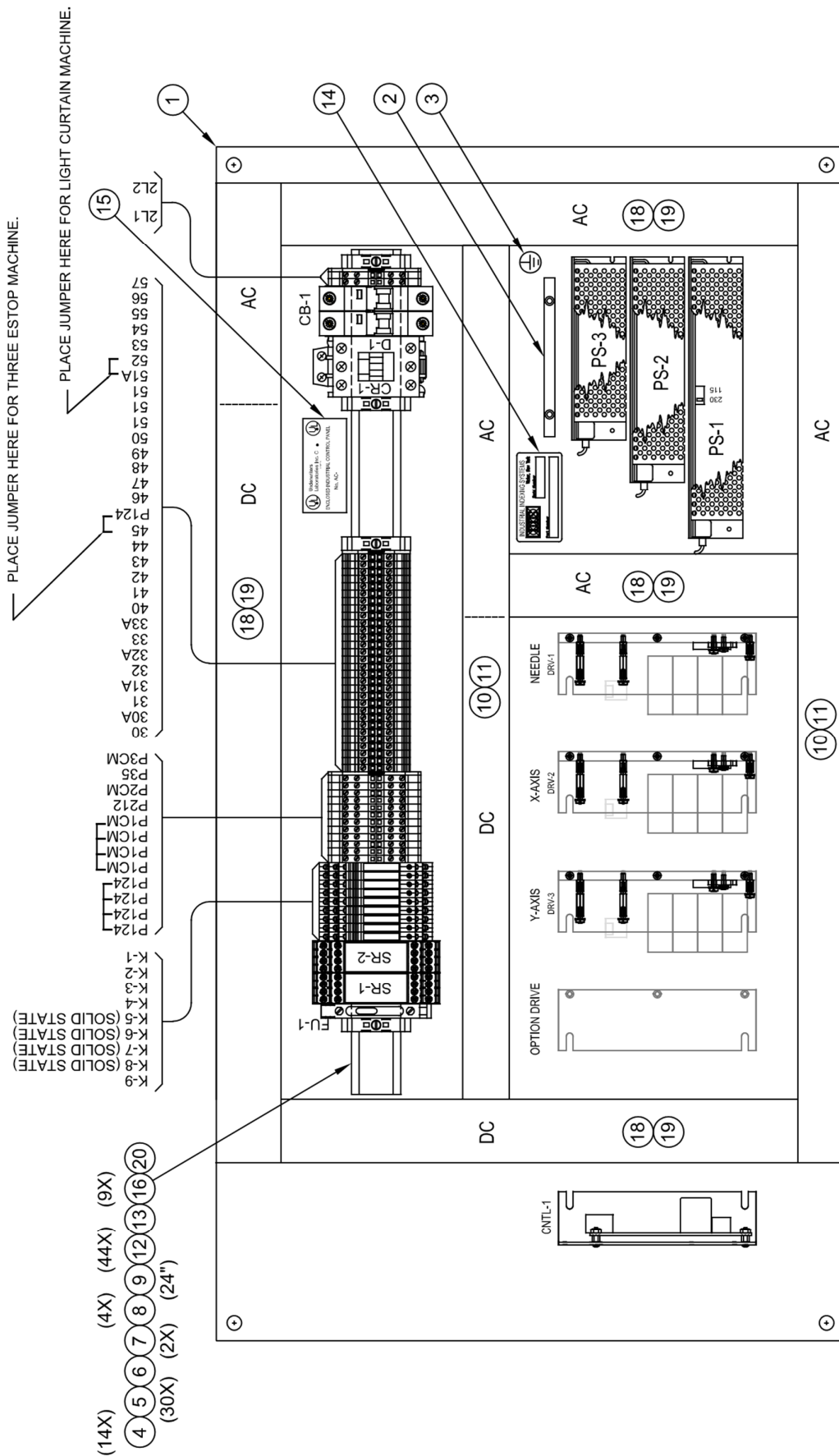


## 26. Sewing Accessories

| Number | Part Number        | Parts name         | Quantity | Note                                 |
|--------|--------------------|--------------------|----------|--------------------------------------|
| 1      |                    | Needle             | 1        | DPX17 23 #                           |
| 2      | 8200 0171290       | Needle plate (3.0) | 1        | Capacitance pinhole<br>3.0 flat      |
| 3      | 8200 0172290       | Needle plate (3.5) | 1        | Capacitance pinhole<br>3.5 flat      |
| 4      | 8200 0372290       | Presser foot (4.0) | 1        | Capacitance pinhole<br>4.0 Length#10 |
| 5      | 94-30 BTR(MBJ)-DY  | Hook component     | 1        | Thin material                        |
| 6      | 94-30 AHTR(MBJ)-DY | Hook component     | 1        | Thick material                       |

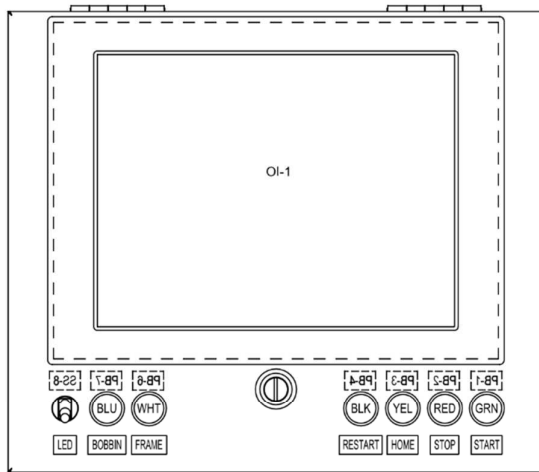
## 27. Main Electrical Cabinet

| Number      | Part Number      | Parts name                  | Quantity | Note |
|-------------|------------------|-----------------------------|----------|------|
| 1           | EN-468005-RM     | Panel                       | 1        |      |
| 2           | PK12GTA          | Ground Strip                | 1        |      |
| 3           | 1004526          | Label                       | 1        |      |
| CNTL-1      | LMC-402A-21      | Circuit Board Assy.         | 1        |      |
| DRV-1,2,3   | LD-500/SE24B     | Drive, Luminary, 5A         | 3        |      |
| SR-1        | LG5925-48-61-24  | Relay, Safety               | 1        |      |
| SR-2        | LG5925-48-900-61 | Relay, Light Curtain        | 1        |      |
| FU-1        | 3004171          | Fuse Block                  | 1        |      |
| FU-1        | MDL-2.5          | Fuse                        | 1        |      |
| PS-1        | IPS-24/6.5A      | Power Supply, 24V, 5A       | 1        |      |
| PS-2        | IPS-12/8.5       | Power Supply, 12V, 8.5A     | 1        |      |
| PS-3        | LRS-35-5         | Power Supply, 5V, 7A        | 1        |      |
| CR-1        | SC-E04G24VDC     | Contactor, 18A, 24vDC       | 1        |      |
| CR-1        | SZ-A11T          | Auxiliary Contact, 1NO/1NC  | 1        |      |
| CB-1        | WMS2D10          | Circuit Breaker, 2P, 10A, D | 1        |      |
| K-1,2,3,4,9 | 2966171          | Relay, PLC-RSC,24DC/21      | 5        |      |
| K-5,6,7,8   | 2966595          | Relay, Opto, Solid State    | 4        |      |
| 4           | UT2.5-QUATTRO    | Terminal Block, Quad        | 14       |      |
| 5           | UT2.5            | Terminal Block, 2 Pos.      | 30       |      |
| 6           | D-UT2.5/10       | End Cover, UT4 & UT10       | 1        |      |
| 7           | D-UT2.5/4-QUATRO | End Cover                   | 2        |      |
| 8           | E/UK             | End Clamp, Terminal Block   | 4        |      |
| 9           | NS35/15          | Mounting Track              | 24       |      |
| 10          | E1X3WH6          | Wire Duct                   | 5        |      |
| 11          | C1WH6            | Wire Duct Cover             | 5        |      |
| 12          | ZB5              | Marker, Terminal Block      | 44       |      |
| 13          | FBST500-PLCGY    | Jumper Bridge               | 1        |      |
| 14          | 83-351729-1      | Part Number Tag             | 1        |      |
| 15          | AC-100450        | Label                       | 1        |      |
| 16          | ZB-6             | Marker, Terminal Block      | 9        |      |
| 17          | ID-1289          | Label                       | 2        |      |
| 18          | E1.5X3WH6        | Wire Duct                   | 5        |      |
| 19          | C1.5WH6          | Wire Duct Cover             | 5        |      |
| 20          | FBS10-5          | Jumper Bridge               | 1        |      |
|             | C-885002         | Cable, Luminary             | 3        |      |



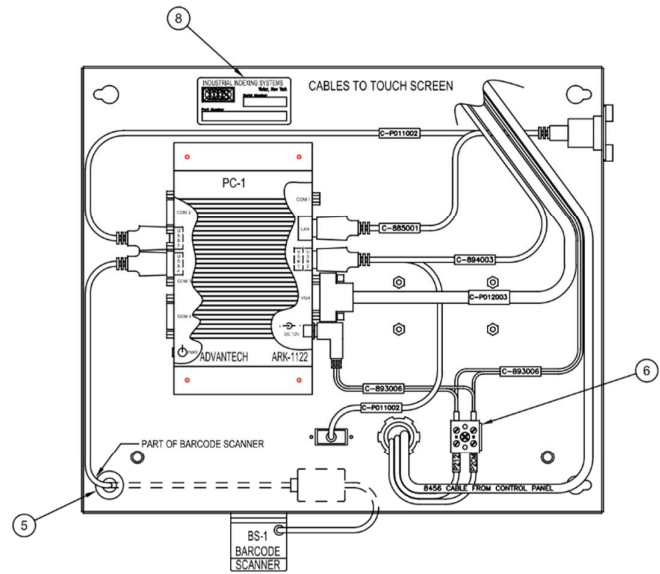
## 28. Operator Interface and Pushbutton Station

| Number | Part Number | Parts name                    | Quantity | Note                     |
|--------|-------------|-------------------------------|----------|--------------------------|
| 1      | AC-100734   | Enclosure                     | 1        |                          |
| 2      | ECF504-SC6  | In Line Coupler, RJ45-RJ45    | 1        |                          |
| 3      | CF-10       | Fitting, 3/8"                 | 1        |                          |
| 4      | 141         | Conduit Locknut, 1/2"         | 1        |                          |
| 5      |             | Grommet, 3/8 x 13/16          | 1        |                          |
| 6      |             | Terminal Block G 5/2          | 1        |                          |
| 7      |             | Bracket                       | 1        |                          |
| 8      |             | Part Number Tag               | 1        |                          |
| 9      |             | Pushbutton Label Kit          | 1        |                          |
| 10     |             | Cable Tie Anchor              | 1        |                          |
| 11     |             | Cable Tie                     | 1        |                          |
| 12     |             | Lug, Push On                  | 16       |                          |
| BS-1   |             | Barcode Scanner               | 1        |                          |
| OI-1   |             | Touchscreen Interface         | 1        |                          |
| PC-1   |             | PC Controller                 | 1        | Specify software version |
| PB-1   |             | Pushbutton, Green             | 1        |                          |
| PB-2   |             | Pushbutton, Red               | 1        |                          |
| PB-3   |             | Pushbutton, Yellow            | 1        |                          |
| PB-4   |             | Pushbutton, Black             | 1        |                          |
| PB-6   |             | Pushbutton, White             | 1        |                          |
| PB-7   |             | Pushbutton, Blue              | 1        |                          |
| SS-8   |             | Toggle Switch                 | 1        |                          |
|        | C-822000    | Cable Adapter, 9P, FE, Std.   | 1        |                          |
|        | C-885001    | Cable, Luminary Comm., 1ft    | 1        |                          |
|        | C-893006    | Power Cable, Right Angle, 6ft | 2        |                          |
|        | C-894003    | Cable, Comm., 3ft             | 1        |                          |
|        | C-P011002   | Cable, Comm., 2ft             | 2        |                          |
|        | C-P012003   | Cable, Peripheral, 3ft        | 1        |                          |

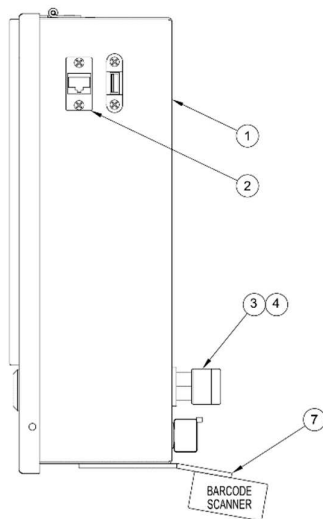


9 12 16X

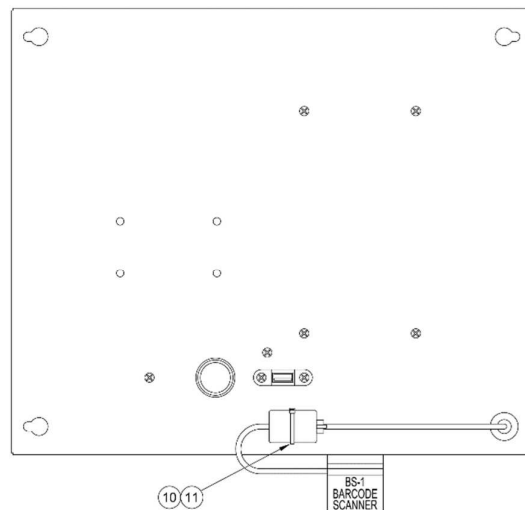
FRONT VIEW



FRONT VIEW WITH COVER REMOVED



RIGHT SIDE VIEW



REAR VIEW