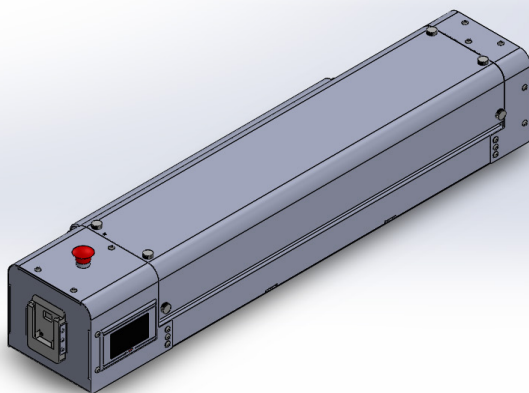




# EP-6480-36

## *Automatic Sheet Cutter 36"*

### *usage instructions*

IT IS THE RESPONSIBILITY OF THE CUSTOMER TO ENSURE THAT  
ALL OPERATORS AND SERVICE PERSONNEL HAVE FULLY READ  
AND UNDERSTOOD THIS DOCUMENT

**READ ALL INSTRUCTIONS BEFORE OPERATING TOOLS.  
FAILURE TO FOLLOW ANY OF THESE GUIDELINES COULD  
RESULT IN SERIOUS OR FATAL INJURY**



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# IMPORTANT



## PLEASE READ PRIOR TO USAGE

To ensure operator safety, it is important that all personnel use proper safety and handling procedures. This safety booklet is designed to educate operators on the safe assembly & use of the EP-6480 Automatic Sheet Cutter. All personnel must read and understand this booklet prior to using this product. Failure to follow any of the recommendations in this pamphlet can result in serious injury or death.

## READ PRODUCT SAFETY LABELS

- Read and understand all safety labels on the tool
- Replace all damaged or missing labels

INSPECT THE TOOL DAILY AND REPLACE ALL WORN OR BROKEN PARTS. LUBRICATE ALL MOVING PARTS DAILY.

PRESS THE EMERGENCY STOP BUTTON FOR IMMEDIATE STOPPAGE OF MACHINE. FOLLOW THE ARROWS ON THE BUTTON TO TWIST IN ORDER TO DISENGAGE THE ESTOP.

CAUTION: LOCK OUT POWER BEFORE INSPECTION OR USE

KEEP HANDS CLEAR OF MOVING PARTS AND SHARP EDGES. THE MACHINE CONTAINS A SHARP MOVING BLADE. LOCK OUT POWER PRIOR TO SERVICING BLADE.



REMOVE BATTERY  
when tool is not in use

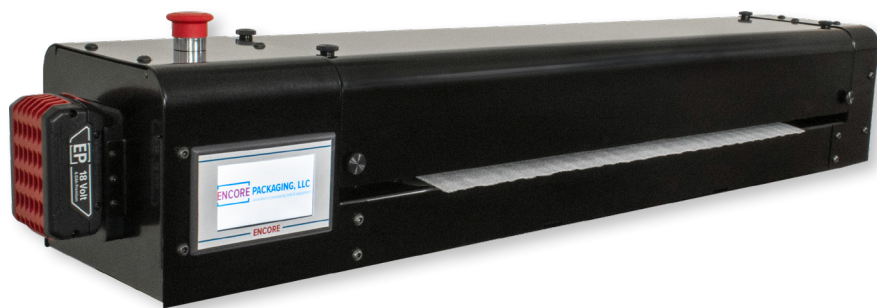


**WARNING**  
Shear hazard.  
Moving parts can cause  
severe injury.  
Lock out power before  
inspection or use.



## READ THE INSTRUCTIONS

Before operating this tool, read, and understand all safety, operation, and maintenance information provided in the manual which is packaged with the tool. If you do not have a manual or need extra copies, please contact your Sales Representative.



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Please read our Terms & Conditions carefully prior to using or obtaining any materials, information products or services of **Encore Packaging LLC**, an Illinois limited liability company with a place of business at **201 Park Avenue, Lake Villa, IL 60046**.

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## USAGE INSTRUCTIONS

### Step 1



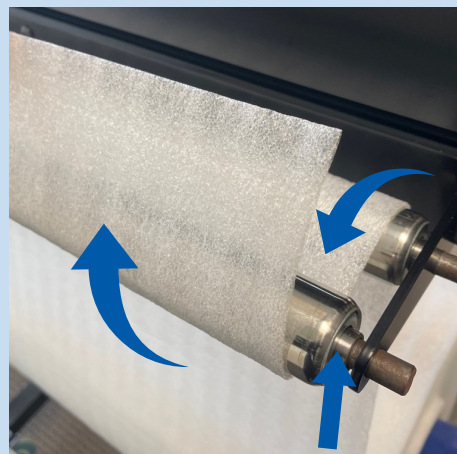
1. To turn on, insert a fully charged 18-volt battery, and turn the emergency stop button.

### Step 2



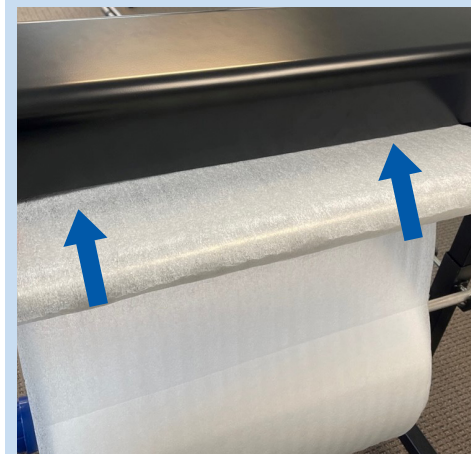
2. Flip the back switch, which raises the inner rollers and is located to the right of the outside rollers.

### Step 3



3. Pull the material directly up behind the back roller. Proceed to pull it towards you as you guide it underneath and around the outside roller.

### Step 4



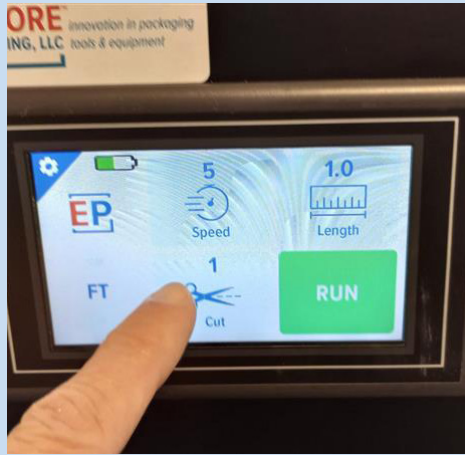
4. Once it is over the outside roller, pull and insert the material into the cutter.

### Step 5



5. When the material is in place, flip the switch back to lower the inside rollers. Let go of material once the rollers are in place.

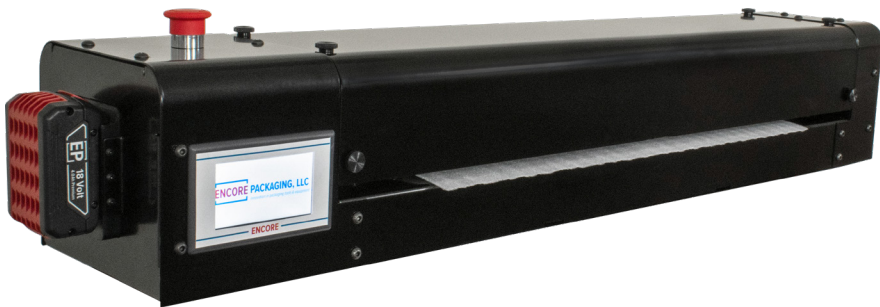
### Step 6



6. Next, utilize the touchscreen to designate desired unit, speed, length, and number of cuts. When that has been inputted press Run.

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### Step 7



7. Material will now be pulled and cut to the settings chosen.

## TROUBLESHOOT GUIDE

### READ THE INSTRUCTIONS

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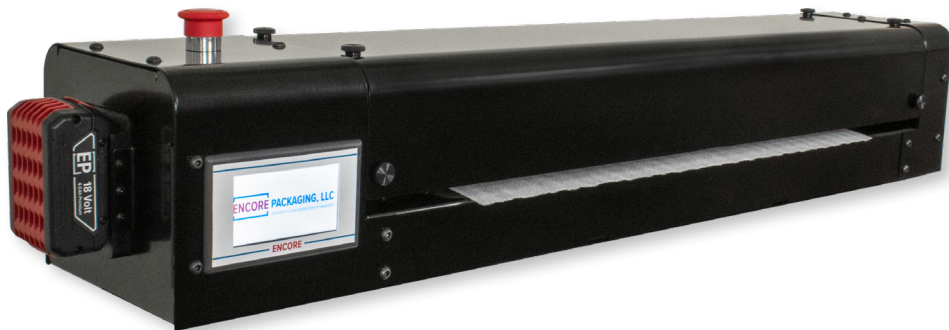
There are 3 different error screens that you can get in the EP-6480. There is a low battery error screen, a limit switch error screen, and a motor jam error screen. Let's go through each of them individually to resolve them.

#### 1. LOW BATTERY ERROR

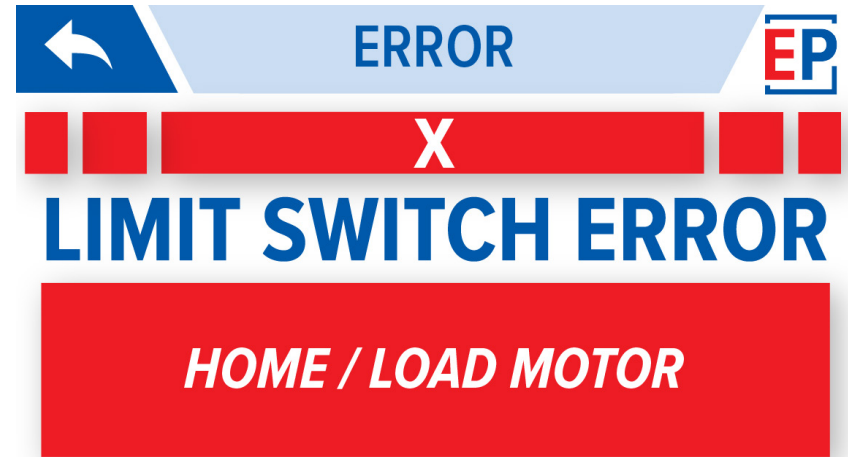
### LOW BATTERY LEVEL



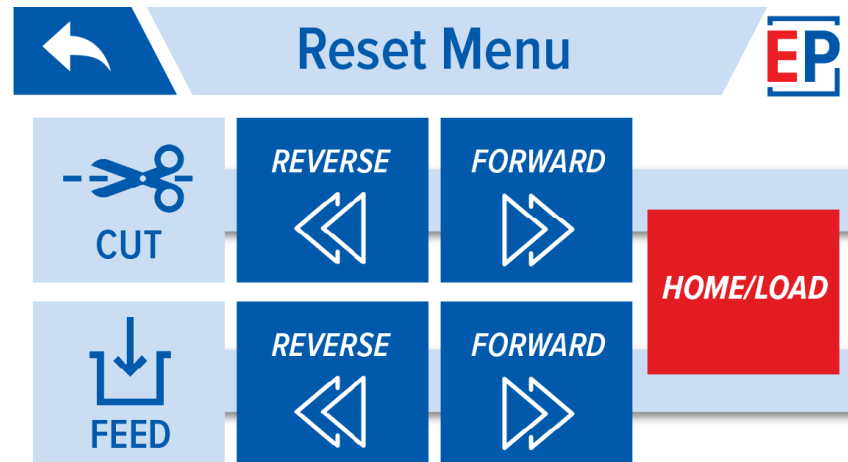
A low battery error occurs when the battery voltage reaches less than 17 volts. The machine won't run below this voltage, so the only solution is to re-charge the battery.



#### 2. LIMIT SWITCH ERROR



The limit switch error occurs when the cutting mechanism is not in the correct starting position when the run button is pressed. When this error occurs, the above screen will pop up. Press the button that reads "HOME / LOAD MOTOR" and it will take you to the reset menu screen shown below.



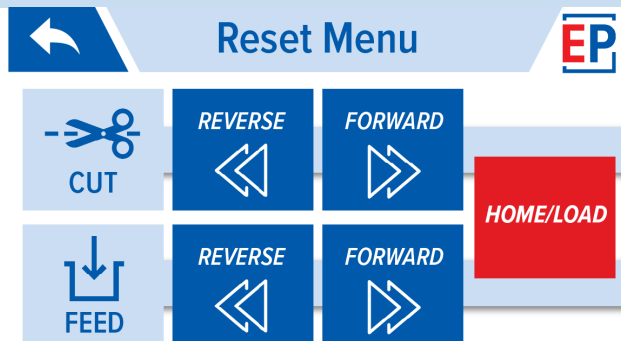
In this screen, press the button that reads "HOME / LOAD" and this will move the cutting mechanism to the correct position. Next, press the back arrow on the top left of the screen to go back to the main menu.

### 3. MOTOR JAM ERROR



The motor jam error occurs when the material gets caught in the feed rollers or in the cutting mechanism. When this happens, you will get the screen shown above.

Press the button that says, "PRESS HERE TO RESET MOTORS". Next, it will take you to the reset menu screen shown below.



Next, the machine needs to be unjammed. If the material got stuck in the feed rollers, use the reverse button and forward button next to the feed symbol to move the material back out.

If the material got stuck in the cutting mechanism, use the reverse and forward buttons next to the cutting symbol to move the cutting mechanism. The reverse button will move the cutting mechanism left and the forward button will move the cutting mechanism right.

Once the machine is not jammed, press the "HOME/LOAD" button to reset the cutting mechanism to avoid getting a limit switch error. Next, press the back button on the top left of the screen to return to the main menu.

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## EP-6480-36 PART LIST

| ITEM NO. | PART NUMBER   | DESCRIPTION             | QTY. |
|----------|---------------|-------------------------|------|
| 1        | E770-03       | 1in. Magnet             | 5    |
| 2        | E1225-06-B    | 1/4" Nylock Hex Nut     | 13   |
| 3        | E1260-28-C-01 | Circuit Box             | 1    |
| 4        | E1260-28-C-03 | Battery Contact         | 2    |
| 5        | E1260-28-C-06 | FHCS, M3 x 0.5 -8 mm    | 2    |
| 6        | E1260-28-C-07 | M3 x 0.5 Lock Nut       | 4    |
| 7        | E1260-28-G    | BHCS, M4 X 0.7-8mm      | 6    |
| 8        | E1260-31      | Button Switch           | 2    |
| 9        | E3080-04-E    | Bracket Spring          | 2    |
| 10       | E3200-04-H    | Shaft Collar            | 2    |
| 11       | E3450-35      | M4x12 SHS               | 16   |
| 12       | E3450-39      | Rivet Nut               | 61   |
| 13       | E5980-01-D-02 | Cut Motor               | 1    |
| 14       | E5980-15      | 4:1 Gearmotor           | 1    |
| 15       | E5980-16      | 5V DC Voltage Regulator | 1    |
| 16       | E5980-19      | Motor Controller        | 2    |
| 17       | E5980-21      | Idler Spindle Spring    | 2    |
| 18       | E5980-28      | M3 x 18mm               | 4    |
| 19       | E5980-33      | M4 Nylock Nut           | 46   |
| 20       | E5985-01-G-01 | M4x 16mm                | 4    |
| 21       | E5985-02      | Touch Screen Display    | 1    |
| 22       | E5985-02-A    | Display Clip            | 4    |
| 23       | E5985-03      | Limit Switch            | 1    |
| 24       | E6480-01-A-36 | 36" Base                | 1    |
| 25       | E6480-02-A    | Left Side Plate         | 1    |
| 26       | E6480-02-B    | .5"-13 Weld Nut         | 2    |
| 27       | E6480-03-A    | Right Side Plate        | 1    |
| 28       | E6480-04      | Side Cover              | 1    |
| 29       | E6480-05      | Screen Side Cover       | 1    |
| 30       | E6480-06-36   | Removeable Top          | 1    |
| 31       | E6480-07      | Battery End Plate       | 1    |
| 32       | E6480-08-A    | End Plate               | 1    |
| 33       | E6480-09-36   | Bottom Cover            | 1    |
| 34       | E6480-10-36   | Cut Plate               | 1    |
| 35       | E6480-11      | Cut Plate Support       | 5    |
| 36       | E6480-12      | Cut Plate End Support   | 2    |
| 37       | E6480-13      | Support Bearing Mount   | 1    |
| 38       | E6480-14      | Idler Bracket           | 2    |

| ITEM NO. | PART NUMBER | DESCRIPTION               | QTY. |
|----------|-------------|---------------------------|------|
| 39       | E6480-16    | Idler Pivot - Left        | 1    |
| 40       | E6480-17    | Pivot Linkage - Left      | 1    |
| 41       | E6480-18-A  | Blade Fork                | 1    |
| 42       | E6480-19    | Blade Pivot               | 2    |
| 43       | E6480-20    | Motor Spacer              | 1    |
| 44       | E6480-21-36 | Linear Shaft              | 2    |
| 45       | E6480-22    | Linear Bearing            | 2    |
| 46       | E6480-23-36 | 8 Start Lead Screw        | 1    |
| 47       | E6480-24    | 8 Starte Lead Screw Nut   | 1    |
| 48       | E6480-25    | Bearing House             | 1    |
| 49       | E6480-26    | 25mm Shaft Clamp          | 2    |
| 50       | E6480-27-A  | Bumper                    | 2    |
| 51       | E6480-27-B  | Threaded Stud             | 2    |
| 52       | E6480-28-36 | Aluminum Extrusion        | 1    |
| 53       | E6480-29-36 | Drive Shaft D-Profile     | 1    |
| 54       | E6480-31-A  | Pulley 28 Teeth           | 1    |
| 55       | E6480-32-A  | Pulley 18 Teeth           | 1    |
| 56       | E6480-33    | Cut Belt                  | 1    |
| 57       | E6480-34-A  | Pulley 24 Teeth           | 1    |
| 58       | E6480-35-A  | Pulley 24 Teeth           | 1    |
| 59       | E6480-36    | Drive Belt                | 1    |
| 60       | E6480-37    | Linear Actuator           | 2    |
| 61       | E6480-37-A  | Actuator Shaft            | 2    |
| 62       | E6480-38    | Actuator Switch           | 1    |
| 63       | E6480-39    | 5/16"-18 FHS              | 2    |
| 64       | E6480-40    | Housing Bolt              | 52   |
| 65       | E6480-41    | Idler Bracket Bolt        | 12   |
| 66       | E6480-42    | Pivot Actuator Bolt       | 10   |
| 67       | E6480-43    | Pivot Lifting Bolt        | 12   |
| 68       | E6480-44    | Actuator Bolt             | 2    |
| 69       | E6480-45    | Extrusion Nut             | 4    |
| 70       | E6480-46    | Washer                    | 2    |
| 71       | E6480-48    | Blade Pivot Shoulder Bolt | 1    |
| 72       | E6480-49    | Blade Bearing             | 1    |
| 73       | E6480-50    | Blade Thrust Washer       | 2    |
| 74       | E6480-51    | Blade Thrust Bearing      | 2    |
| 75       | E6480-52    | Blade Shoulder Bolt       | 1    |

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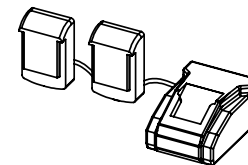
## EP-6480-36 PART LIST

| ITEM NO. | PART NUMBER | DESCRIPTION                | QTY. |
|----------|-------------|----------------------------|------|
| 76       | E6480-53    | Blade 30°-.002             | 1    |
| 77       | E6480-54    | Cut Plate Spacer           | 14   |
| 78       | E6480-55    | Thumb Screw                | 4    |
| 79       | E6480-56    | Drive Roller               | 6    |
| 80       | E6480-57    | 1/4"-20 Heat Set Insert    | 7    |
| 81       | E6480-59    | 1/4"-20 Set Screw          | 2    |
| 82       | E6480-60    | Blade Spring               | 2    |
| 83       | E6480-61    | Pull Solenoid              | 2    |
| 84       | E6480-62-36 | Clamp Bar                  | 2    |
| 85       | E6480-63    | Left Clamp Bar Mount       | 1    |
| 86       | E6480-64    | Left Entry Roller Bracket  | 1    |
| 87       | E6480-65    | Right Entry Roller Bracket | 1    |
| 88       | E6480-66    | Spring Pin                 | 2    |
| 89       | E6480-69    | Clamp Bar Stop             | 2    |
| 90       | E6480-71    | Clamp Bar Stop             | 2    |
| 91       | E6480-74    | Arduino Shield             | 1    |
| 92       | E6480-75    | Voltage Sensor             | 1    |
| 93       | E6480-76    | Relay                      | 1    |
| 94       | E6480-77    | Thread Forming Screw       | 16   |
| 95       | E6480-80-36 | U-Channel                  | 1    |
| 96       | E6480-81-36 | Rubber Strip               | 1    |
| 97       | E6480-82    | M4 x 25 FHS                | 14   |
| 98       | E6480-83-36 | Backside Bottom Cover      | 1    |
| 99       | E6480-84    | Long Roller                | 4    |
| 100      | E6480-85    | Carriage Spacer            | 2    |
| 101      | E6480-86    | 10-24 Nut                  | 1    |
| 102      | E6480-87    | Ball Bearing               | 2    |
| 103      | E6480-88    | Wave Washer                | 1    |
| 104      | E6480-89    | Motor Support              | 1    |
| 105      | E6480-91    | Lead Screw Washer          | 2    |
| 106      | E6480-92    | Emergency Stop             | 1    |
| 107      | E6480-93    | Fender washer              | 4    |
| 108      | E6480-94    | Arduino Mega               | 1    |
| 109      | E6480-95    | No. 8 Screw                | 4    |
| 110      | E6480-98    | Swivel Set Screw           | 2    |
| 111      | E6480-100   | Bumper Spacer              | 2    |

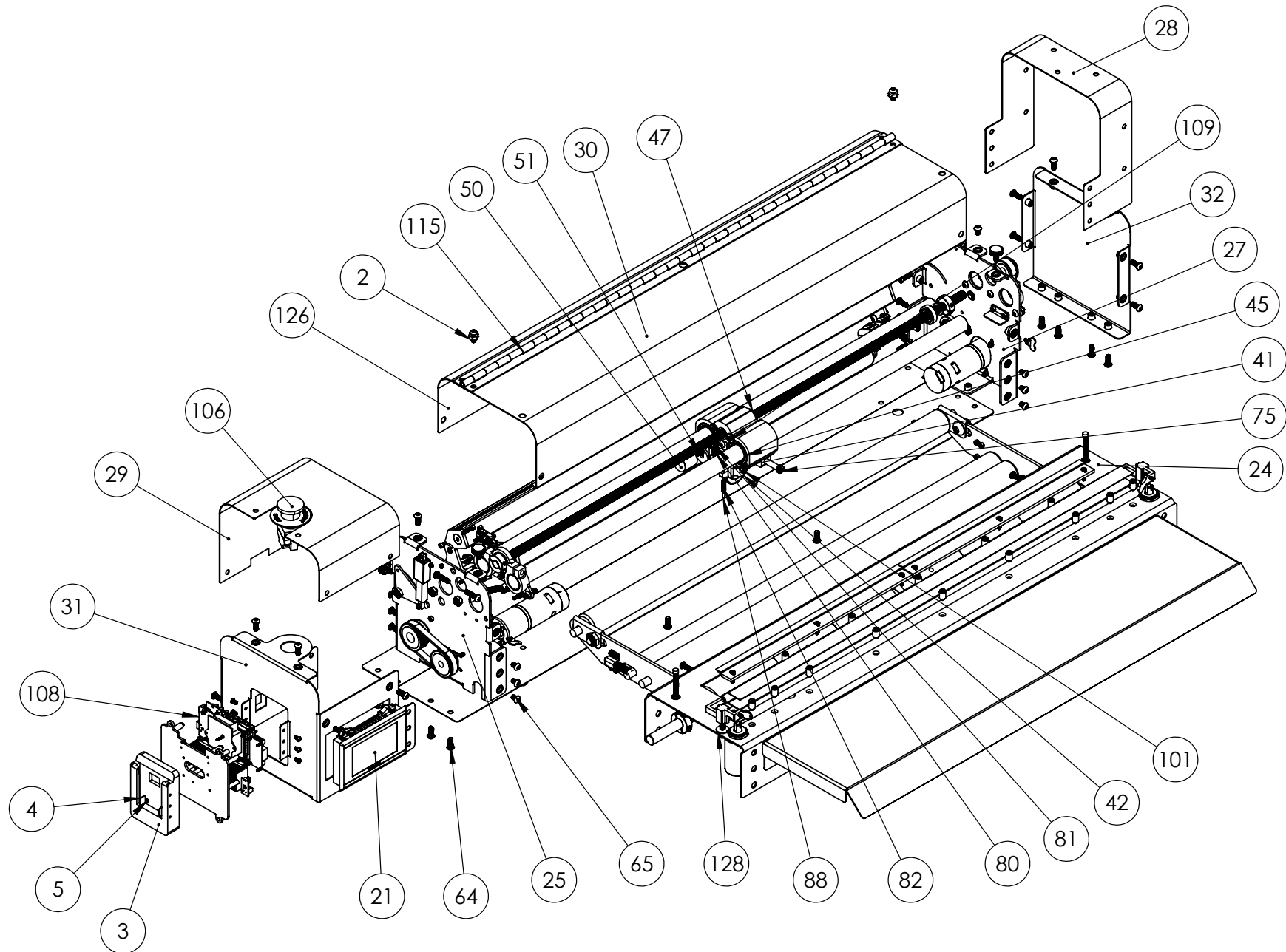
| ITEM NO. | PART NUMBER     | DESCRIPTION               | QTY. |
|----------|-----------------|---------------------------|------|
| 112      | E6480-101-36    | Adjustable Plastic Spacer | 2    |
| 113      | E6480-102       | Quarter Turn Wing Nut     | 2    |
| 114      | E6480-102-B     | Quarter Turn Rivet Nut    | 2    |
| 115      | E6480-103-24    | Piano Hinge               | 1    |
| 116      | E6480-104       | 1/2"-13 BHS               | 2    |
| 117      | E6480-105       | 0.5-13 Locknut            | 2    |
| 118      | E6480-106-36    | Front Sheet Metal Table   | 1    |
| 119      | E6480-107       | Flanged Bearing           | 3    |
| 120      | E6480-108       | Shaft Collar              | 2    |
| 121      | E6480-109       | M5 x 6mm Knurl Set Screw  | 8    |
| 122      | E6480-110       | Idler Pivot - Right       | 1    |
| 123      | E6480-111       | Pivot Linkage - Right     | 1    |
| 124      | E6480-112       | Spring Mount for Brackets | 2    |
| 125      | E6480-113       | Alignment Support         | 2    |
| 126      | E6480-114-36    | Removable Top Back        | 1    |
| 127      | E6480-115       | Right Clamp Bar Mount     | 1    |
| 128      | E6480-116       | Spring Support            | 2    |
| 129      | E6480-117       | Clamp Bar Spring          | 2    |
| 130      | E6540-09        | Spindle Clamp Bolt        | 12   |
| 131      | E6700-02-C-01-C | Plastite Screw            | 4    |

**Includes 2 batteries and 1 charger.**

| PART NUMBER | DESCRIPTION | QTY. |
|-------------|-------------|------|
| E1260-28-HD | Battery     | 2    |
| E1260-58    | Charger     | 1    |



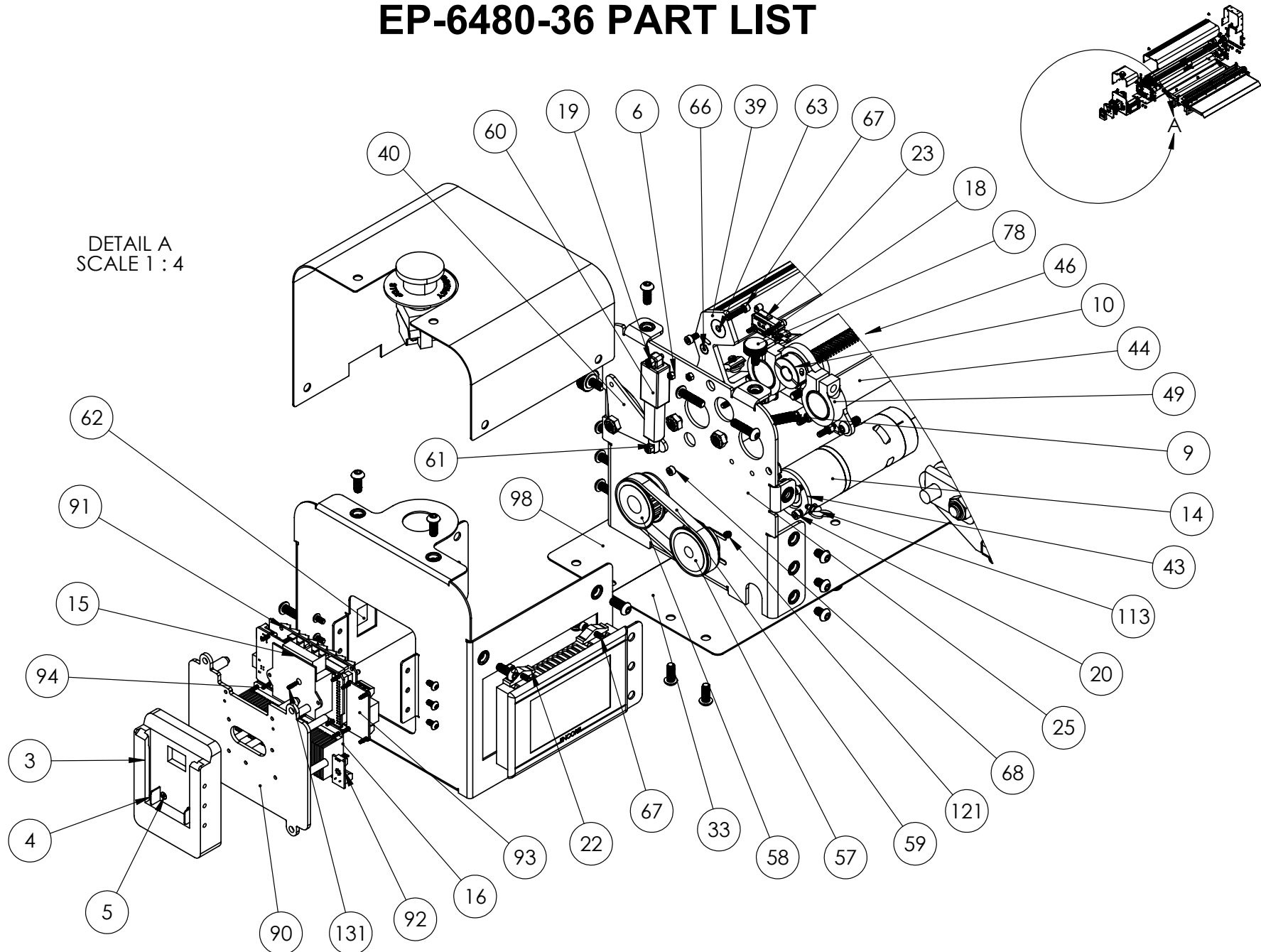
# EP-6480-36 PART LIST



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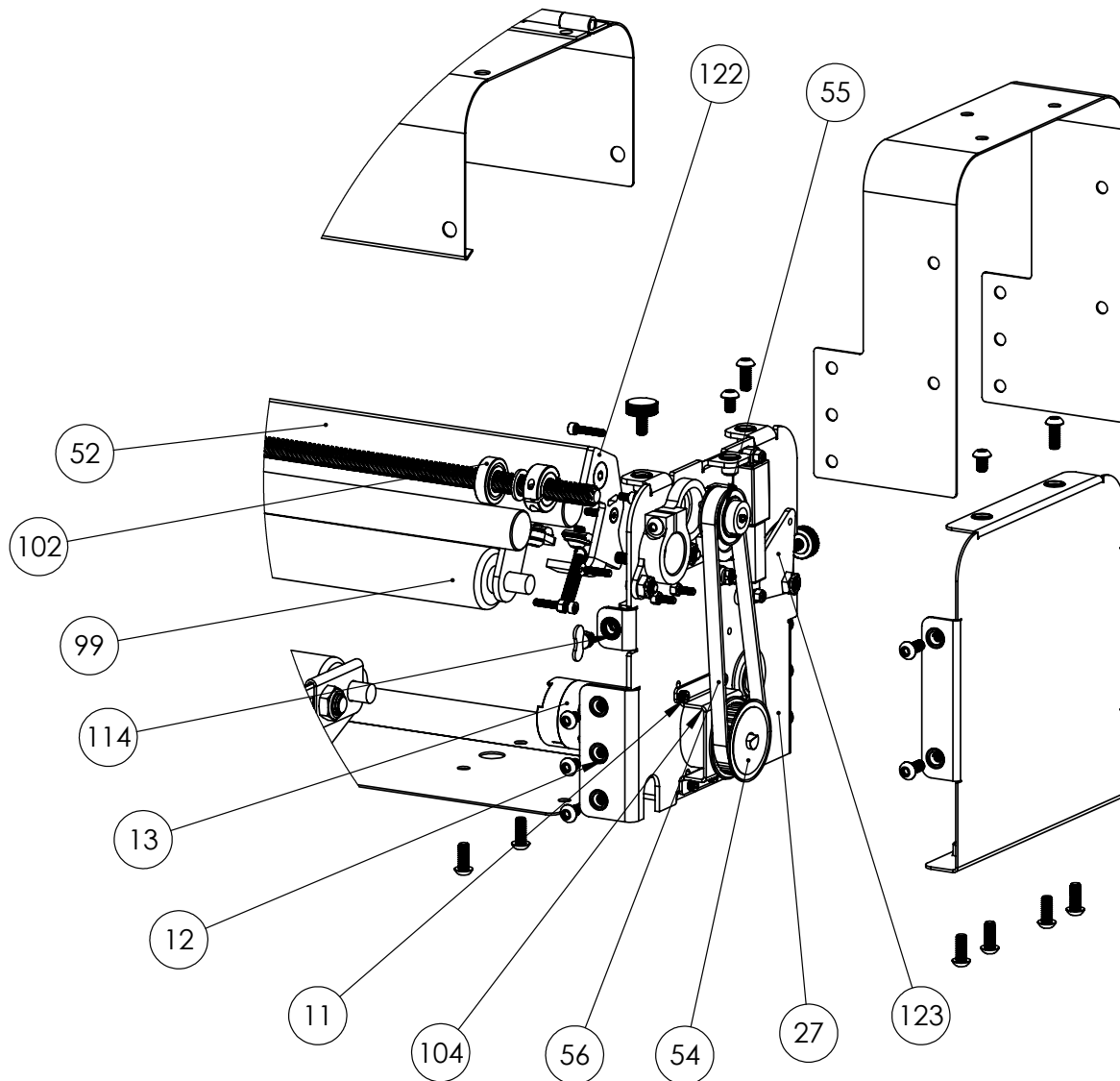
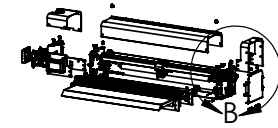
# EP-6480-36 PART LIST

DETAIL A  
SCALE 1 : 4



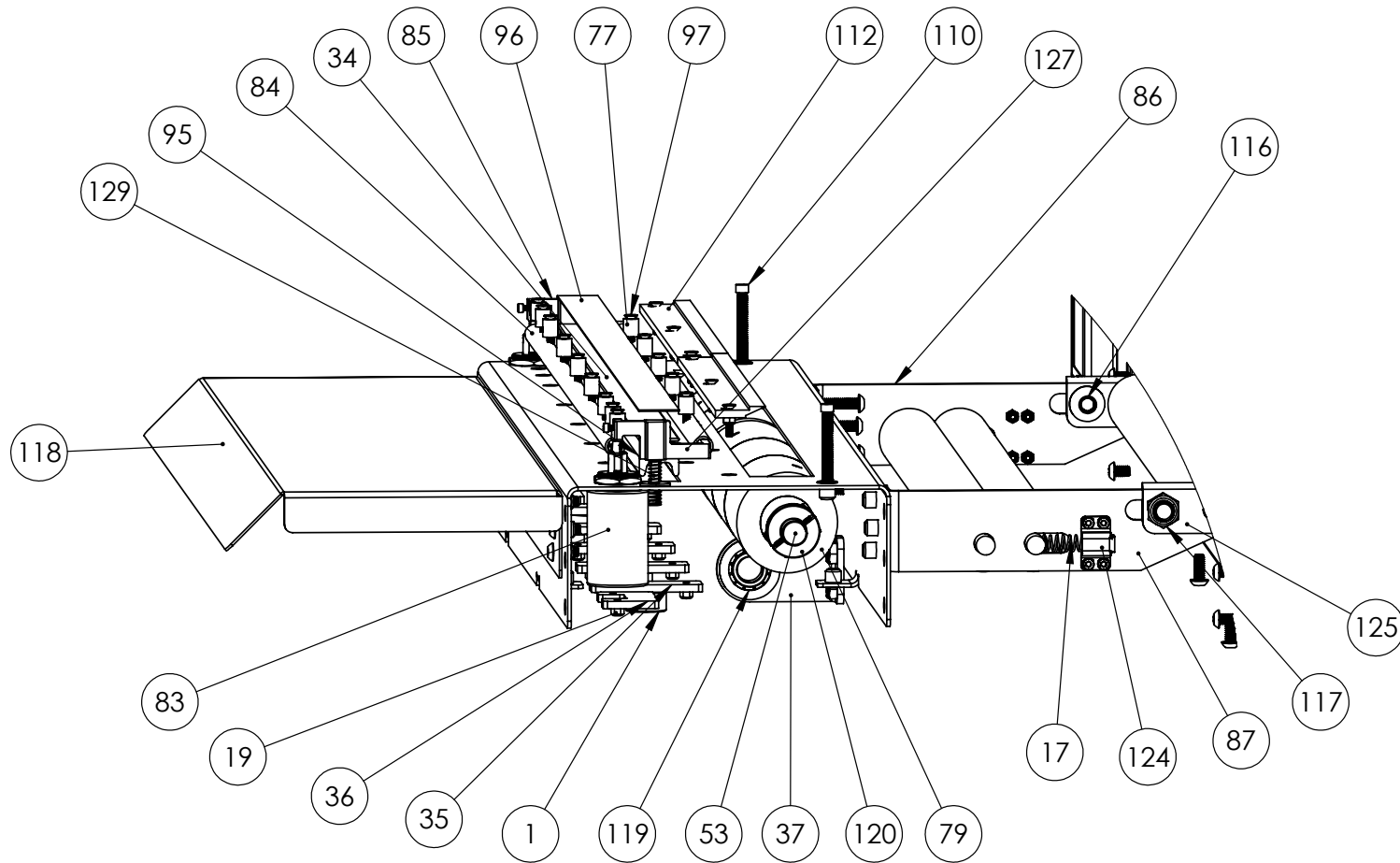
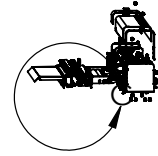
9/19/23 REV. A

# EP-6480-36 PART LIST



DETAIL B  
SCALE 1 : 4

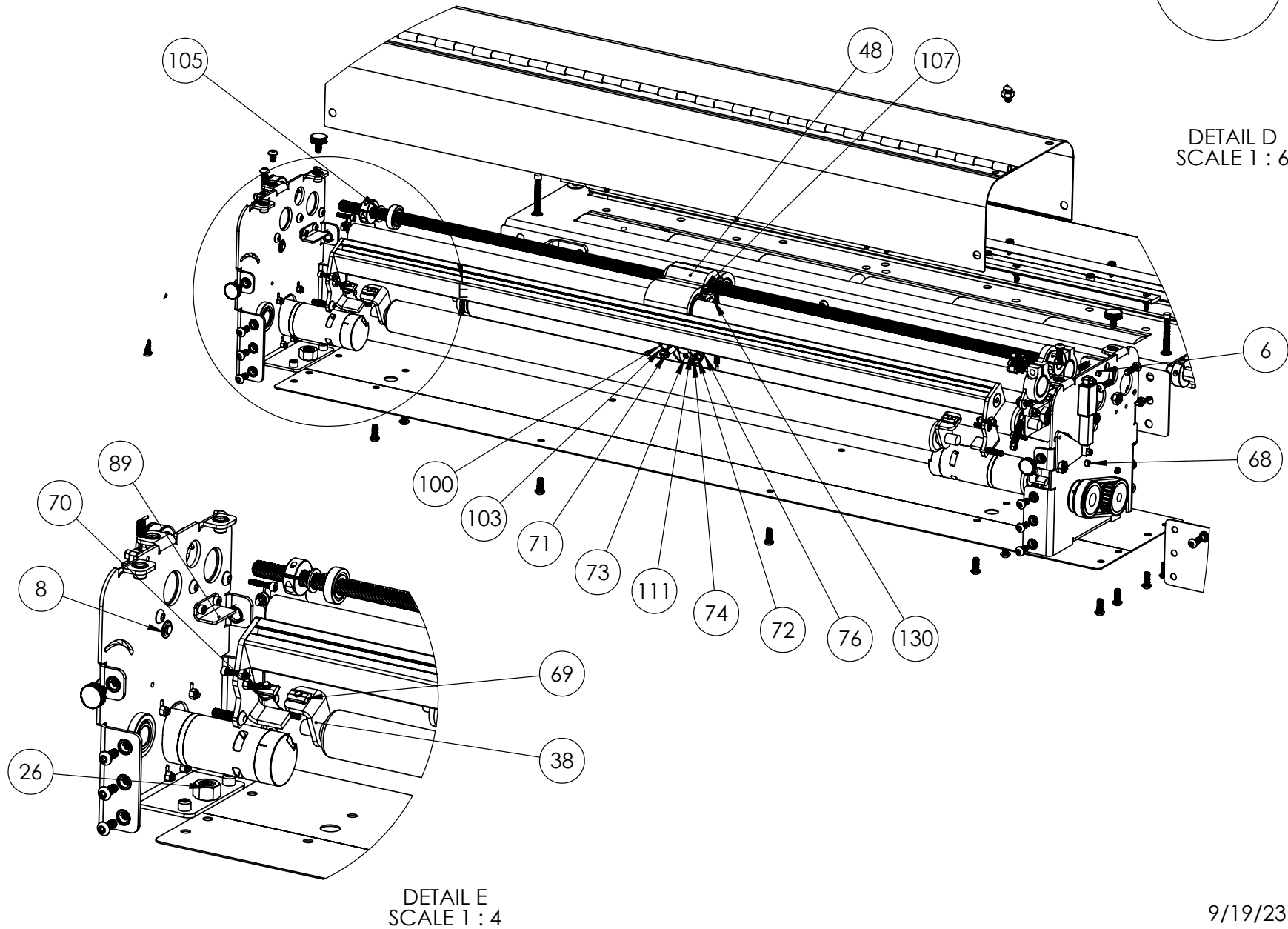
# EP-6480-36 PART LIST



DETAIL C  
SCALE 1 : 4

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