



# PC1000

## OPERATION MANUAL | SPARE PARTS LIST



12MM

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# PART I

# **1 General Safety Instructions**

## **1.1 Basic Operation**

- Read the operation and safety manual prior to using the strapping machine.
- The operation and safety manual should remain attached to the machine at all times.
- The machine may only be operated in accordance with its designated use.
- The strapping machine was built in accordance with state-of-the-art standards and recognized safety rules. Nevertheless, improper use can still result in injury to personnel or damage to the machine and other material property.
- Machine shall only be operated by trained personnel.
- Perform inspections and maintenance at regular intervals. Refer to the Maintenance section of the manual.
- The machine may not be put in operation before checking the respective devices.
- Safety devices must never be bridged or eliminated by any means.
- To transport the equipment only use lifting apparatus and loading devices with sufficient capacity.
- Always disconnect from external power supply when changing the location of the machine, even if the location should only be slightly changed. Connect power supply properly before returning to service.
- Do not alter or bypass protective interlocks.
- Do not alter circuits and machine unless authorized to do so by the manufacturer.

## **1.2 Basic Safety Precautions**

- In addition to the instructions for operation, the user is to be instructed in all generally applicable legal or mandatory regulations relevant to safety or the environment.
- Long hair, loose-fitting garments, or jewelry can be a safety hazard. These items must be secured prior to equipment operation.
- Use protective equipment whenever appropriate or when required by law.
- Carefully observe all safety instructions and warnings attached to the machine. Keep safety labels clean and legible.
- People that are being trained to operate or service the equipment must be supervised by experienced personnel.
- Any electrical work performed on the equipment must be conducted by a skilled electrician or under the supervision of a skilled electrician. All work must be observed good electrical engineering practice and follow safety rules and local wiring standards.

### **1.3 Safety Instructions Governing Specific Operational Phases**

- Avoid unsafe operation of the equipment.
- The machine is only to be operated when it is in good running order. Only operate the equipment in a safe manner; all protective and safety devices must be in place and fully functional. This includes removable safety devices, emergency shut-off equipment, noise-protection devices and exhaust fans.
- The machine is to be checked for damage and defects at least once each work shift. Any changes, including the working behavior of the machine, are to be reported immediately. If necessary, the machine is to be stopped and locked-out immediately.
- In case of a malfunction, the strapping machine is to be immediately stopped and locked-out until the fault has been eliminated.
- Before starting the strapping machine, make sure that the area is clear and safe.
- Do not place any tools or parts onto the machine.
- Operating personnel needs to be well trained before executing special operations and maintenance work; this work needs to be done with the proper supervision.
- Always check and tighten connections after maintenance or repair.
- After completing maintenance or repair, all safety devices must be replaced and checked for functionality before operating the equipment.
- To minimize the environmental impact, all consumables and replaced parts must be disposed of safely.
- Before starting the machine, check that the accessories have been stowed away safely.
- Avoid operating the machine in a fashion that could upset its stability.

## **1.4 Warning of Electrical Dangers**

- Immediately remove power to the machine in case of trouble in the electrical system. Replace a fuse with one with the same style and ratings; pay particular attention to matching the specified current.
- Any electrical work performed on the equipment must be conducted by a skilled electrician or under the supervision of a skilled electrician. All work must be observed good electrical engineering practice and follow safety rules and local wiring standards.
- Inspect the electrical equipment of the machine at regular intervals. Tighten any loose connections. Check wiring for scorch marks; replace scorched wiring and determine and correct the reason for the overheating.
- When working on live equipment, ensure that a second person is available to cut power in case of an emergency. When appropriate, secure the working area with safety tape and a warning sign. Use insulated tools for electrical work.
- Before working on high-voltage assemblies, turn off the power supply. Carefully discharge the supply cable and short-circuit any energy-storage components such as capacitors.
- If the equipment was moved, carefully refit and refasten all parts removed for transport before reapplying power.
- Before moving the machine, remember to disconnect the power cable.

## **1.5 Grounding Instructions Shall Include the Following**

- This product must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock. This product is equipped with a cord that has a grounding wire and an appropriate grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.
- If repair or replacement of the cord or plug is necessary, connect the ground wire to the ground terminal of the plug. The wire with green insulation (with or without yellow stripes) is the grounding wire.
- Check with a qualified electrician or service person if the grounding instructions are not clear or if in doubt about the proper grounding of the machine. Do not modify the plug provided; if it will not fit the power outlet, have the proper outlet installed by a qualified electrician.

**DANGER!**

**Improper installation of the grounding can result in electrocution.**

## 1.6 Before Operating

- Read the instruction manual before operating the machine for your safety.
- Wear eye protection and safety gloves before operating this machine.



Eye protection must be worn



Safety gloves must be worn

- Verify that the power line voltage is correct.
- The machine must be properly grounded to avoid a shock hazard. All wiring must be in accordance with local wiring standards.
- The strapping machine can only be operated with polypropylene (PP) strapping; do not use polyester (PET) strapping or polyethylene (PE) cord strap.

## 1.7 During Operation

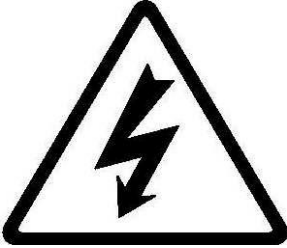

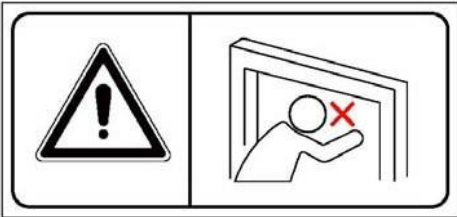
- The weight of the package cannot exceed 40kg (88 lbs), but it may be necessary to use lifting aids for handling products that exceed 25kg (55 lbs).
- The size of the package should not be less than 70 mm × 20 mm (2.75 inches × 0.75 inches).
- While running, check the unit for any unusual sounds or smoke emissions.
- Keep away from the inside of the arch while the machine is operating; do not put your hands or body into the arch when the machine is running.

**NOTE: it is normal for the heater tongue to smoke during the sealing operation.**

## 1.8 After Operating

- Remove dust and dirt from the unit; pay particular attention to the interior of the arch.
- Turn off the power when the machine is not in use.

## 1.9 Signs and Symbols

Symbol	Meaning
	<b>Warning for dangerous voltage!</b> Contact with live electrical parts will result in severe injury or death.
	<b>Warning for hot surface!</b> Welding area is approximately 270°C(520°F) Allow sufficient time for the heater to cool down before any work in welding area.
	<b>Warning for danger!</b> Do not put your hands or body into arch working area when machine is operating.

## 2 Machine Information

### 2.1 Areas of Application

The strapping machine is to be used for strapping packages, cartons, paper boxes, newspapers, magazines and those materials using a polypropylene (PP) strapping for stabilizing purposes when in transportation. Be careful for rigidity of working materials, and don't try to pack agri-foodstuffs or other such material.

This machine was designed for certain applications only. We strongly recommend that this machine **NOT** be modified and/or used for any application other than for which it was designed. If you have any questions relative to its application **DO NOT** use the machine until you have had detail instruction from your dealer.

### 2.2 Environment Information

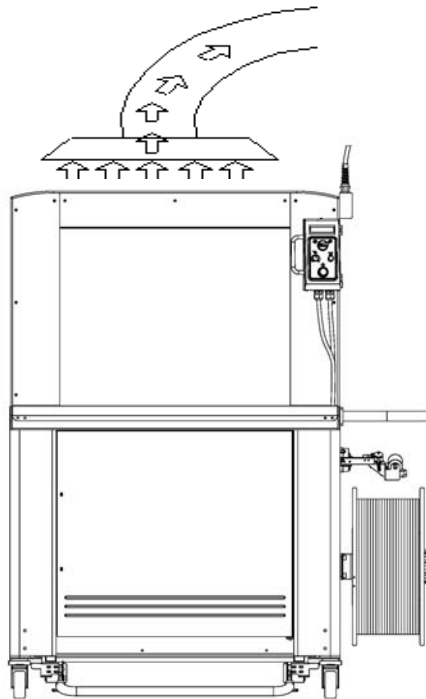
**The strapping machine shall be installed in the following conditions:**

- Supply voltage: 0.9 - 1.1 nominal supply voltage
- Source frequency: 0.99 - 1.01 nominal frequency
- Ambient temperature: 5°C - 40°C (41°F-104°F).
- Altitude: shall be at altitudes up to 1000m above mean sea level.
- Relative humidity: not exceed 50% at 40°C.
- Atmosphere: Free from excessive dust, acid fume, corrosive gases and salt.
- Avoid exposing to abnormal vibration.
- Don't use machine in dangerous environment.
- Don't use machines in damp or wet locations, or expose them to rain.
- Please provide a suitable illumination around the machine for safety operation.
- Work place of user should have a fire extinguisher or other devices that meet their local safety regulations, and always be careful.
- Internal parts requiring frequent inspection and adjustment, and maintenance areas must be provided with a suitable illumination around the machine.

If there may be harmful gases, fumes or dust generated during heating, user or system integrator must install exhaust system for the extraction of harmful substances.

The exhaust system shall be positioned according to the vent location. Please refer to the figure.

And the user should refer to a professional expert or relevant authority to prevent the dangerous substance/ gas emitted by suitable means according to local /national environmental/health codes/regulations.



## 2.3 Storage

- The store room must be dry
- Do not expose the machine to extreme cold or heat environment
- Place the machine on an even floor in order to avoid any distortion

## 2.4 Machine Description

- Automatic strapping machine for polypropylene (PP) strapping material.
- Strap width 12mm.
- Electronic heater temperature control.
- Hinged front table.
- Automatic strap loop ejection in case of strapping cycle without package.
- Extra tough construction.
- Simple, safe and user-friendly operation.
- Automatic strap feeding system.
- Automatic strap end detection.
- Mobile, with large table area and high capacity strap reel
- Table surface made of stainless steel.
- Strap tension adjustable from soft to extremely high.



## 2.5 Safety Devices



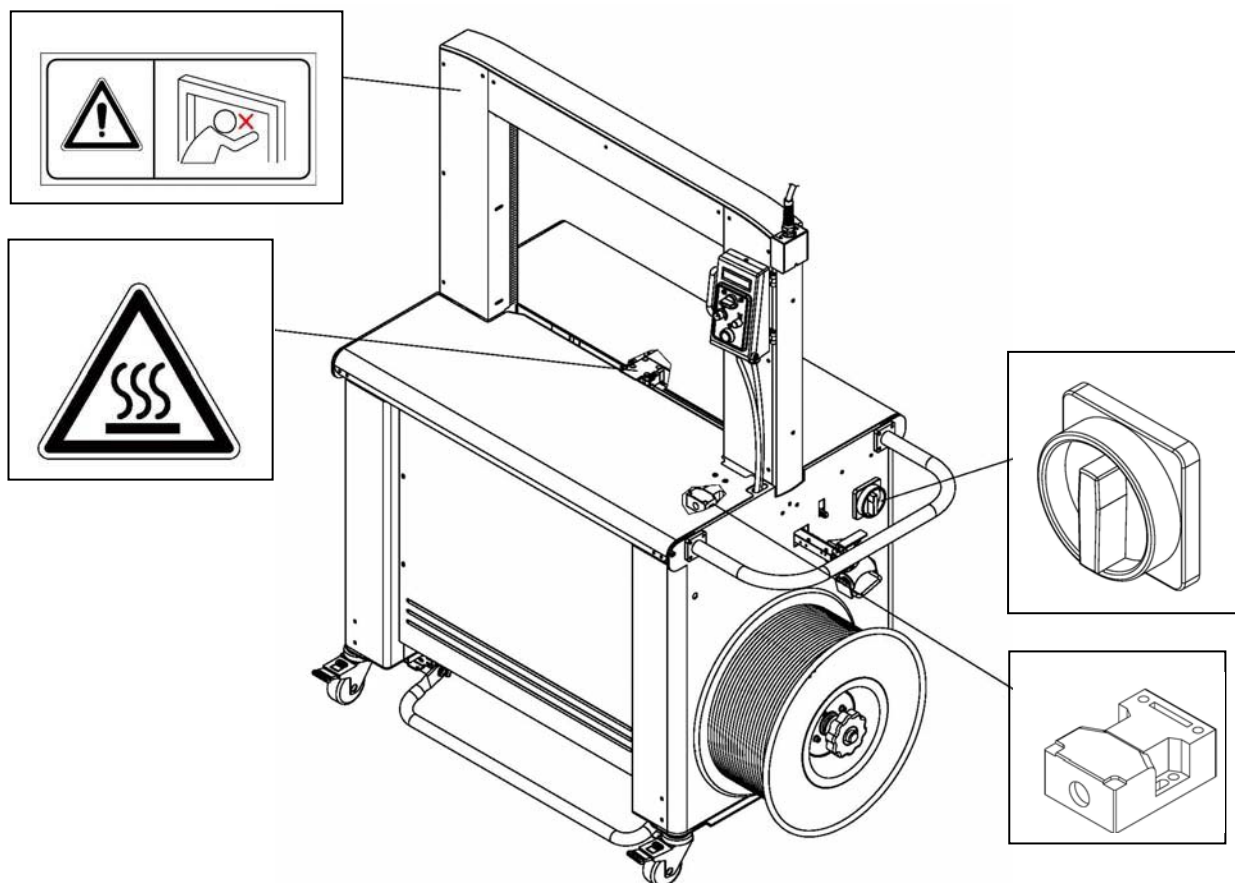
### **Danger!**

**Operate the machine only when all safety devices are at their place and are functioning correctly.**

The machine has been constructed in accordance with the applicable legal regulations. The machine is reliable in operation. Nevertheless the machine may constitute a danger if it is operated in improper or undue condition.

Danger points that cannot be avoided due to equipment design are equipped with safety devices. If necessary, these points are marked on the machine with warning signs, and in the manual under working safety instructions.

The machine is equipped with the following safety devices:	
1.	Warning signs at the danger points of the machine
2.	Automatic shunt down of machine when front table opening
3.	Live parts are secured by cover



If it is necessary to make adjustments inside the machine during operation, after a strap jam for example, the rear table top can be unscrewed. Observe caution as the machine is still fully functional with the covers removed. When the front table top is opened, safety switch B6-1 is activated. This will remove power but the heating element will keep heating.

## CAUTION!

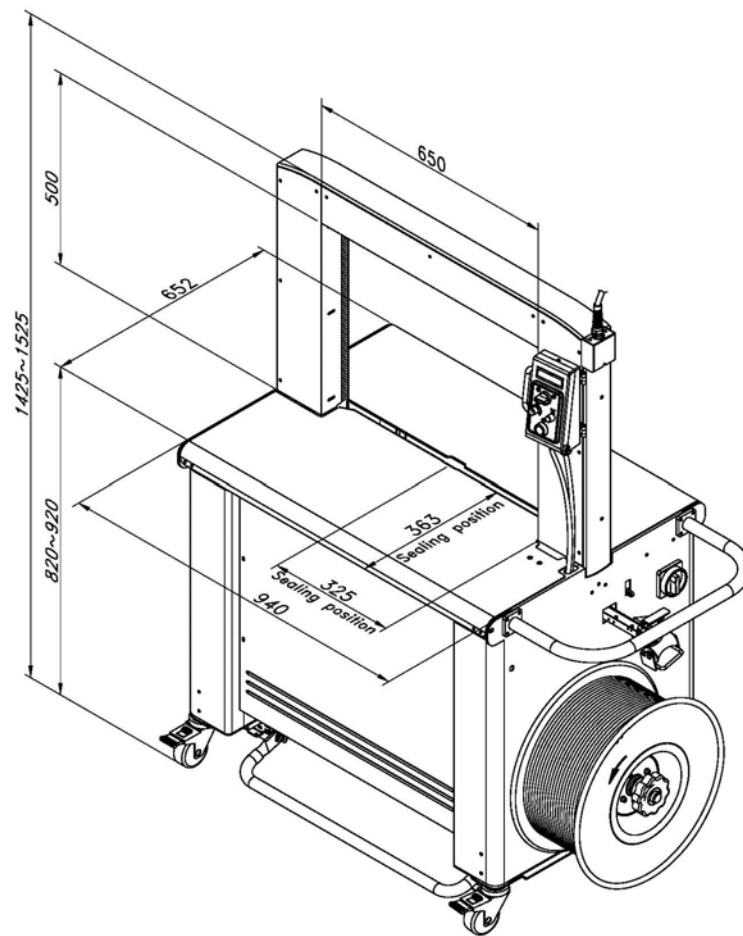
**The heating unit operates at a very high temperature in order to melt the PP strapping. To prevent burns, avoid contact with this area.**

## 2.6 Technical Specification

### 2.6.1 Electrical Specification

System configuration:	1L+N+PE (Ground)	1L+N+PE (Ground)
Nominal power:	0.5kW	0.5kW
Rated current:	3A	5A
Rated voltage:	220V/230V/240V	110V
Rated frequency:	50Hz	60Hz
Type of current	AC - single phase	AC - single phase

## 2.6.2 Technical Data

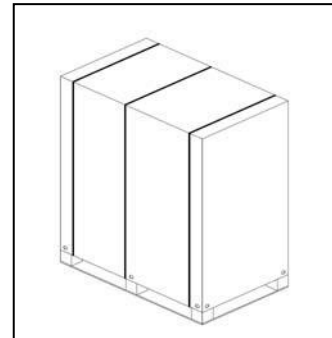


Strap width	12mm
Strap thickness	0.45mm up to 0.65mm (0.017" – 0.026")
Strap coil diameter	Coil diameter 200mm (8" nominal) Outside diameter 420mm (16.5") Width(Face) 190mm (7.5")
Table height	Minimum – 820mm (32.3") Maximum – 920mm (36.2")
Weight	167 kg (368 lbs)
Noise emission	78 dBA
Ambient temp	5°C - 40°C (41°F - 104°F)
Minimum package size:	70mm W × 20mm H (2.75" W × 0.75" H)
Maximum package size:	arch size minus 50mm (1.97") EX: arch size: 650W×500H Max. package size: 600mm W×450mm H (23.6" W × 17.7" H)

### 3 Preparation Before Operating the Machine

#### 3.1 Shipping

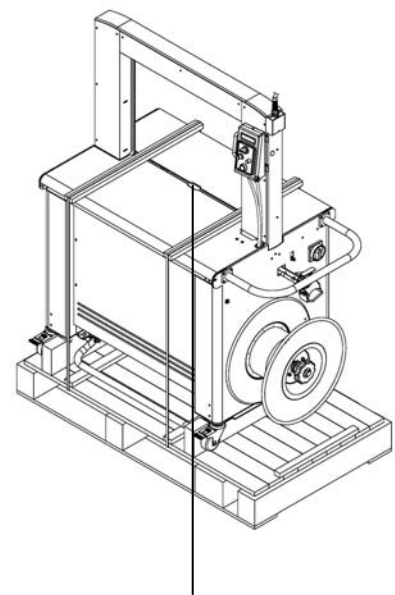
The equipment is delivered in transport units.  
Each transport unit is loaded onto a wooden pallet,  
secured by polyester strapping.



#### 3.2 Transportation & Centre of Gravity

Transport the strapping machine on a pallet. Lift the unit using forklift truck or other lifting device. Proper packaging requires that the casters rest in a recess. Cover the machine with a sturdy box for protection. Secure the unit to the pallet with plastic strapping. Place the strapping across the top plates. Use cardboard to avoid marring. Use plastic strapping to hold the cover to the pallet.

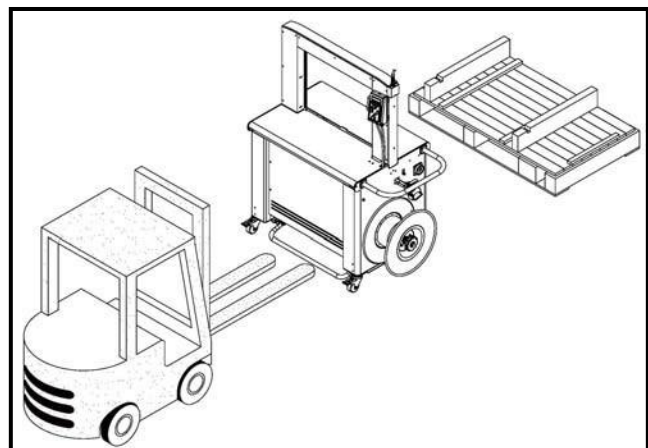
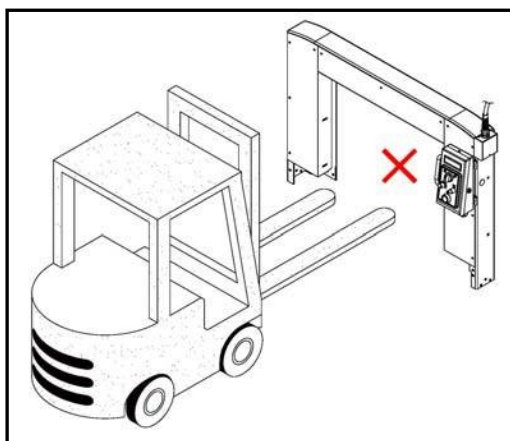
The machine can be removed from the pallet using forklift truck or other lifting device.



Center-of-gravity position

#### **CAUTION!**

**Do not carry machine by having the forklift's fork under the arch, but only under the machine frame.**





### Danger to Lift!

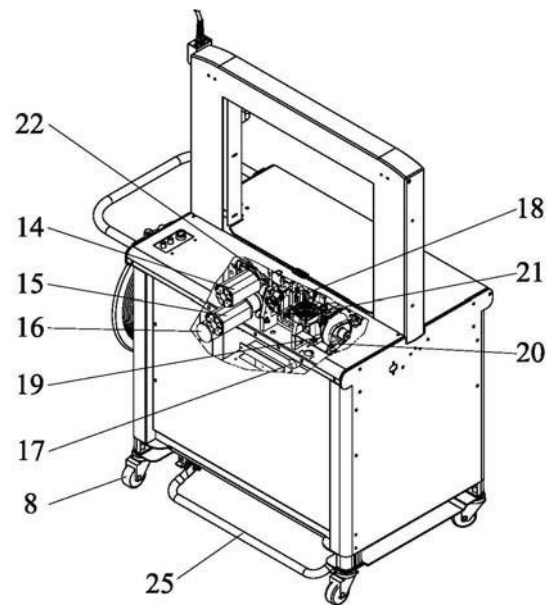
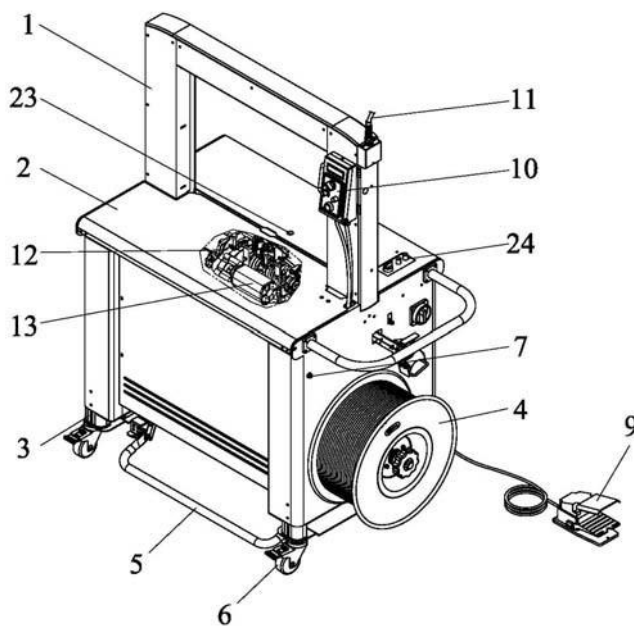
Suspend loads can fall down.

By inappropriate mounting or fracture of hoisting device the load can fall down and cause serious injuries or death.

Do not step under suspended loads!

Use appropriate hoisting devices and fasteners.

## 3.3 Construction Layout

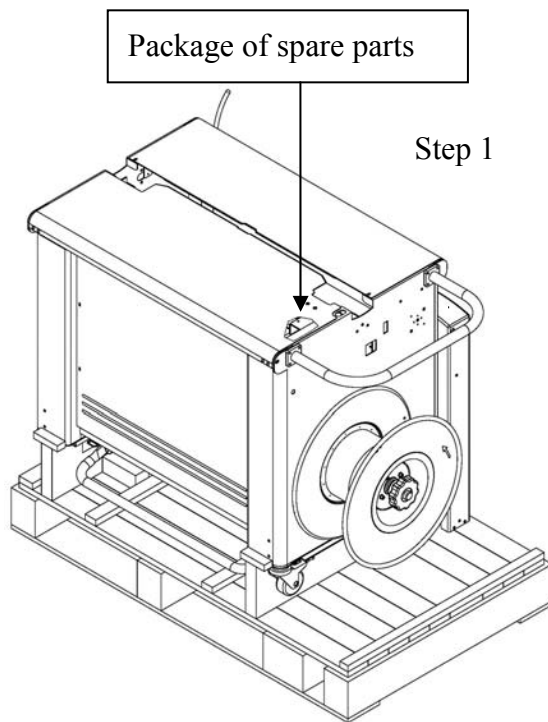


1. Arch
2. Upper Table Front
3. Adjustment Leg
4. Reel
5. Foot Bar (**Front**)
6. Caster (Brake)
7. Reel Brake Release
8. Caster (Free)
9. Foot Pedal (Option)
10. Control Panel
11. Power Cord
12. Strapping Head Unit
13. Main Motor M1
14. Feed Motor M2
15. Tension Motor M3

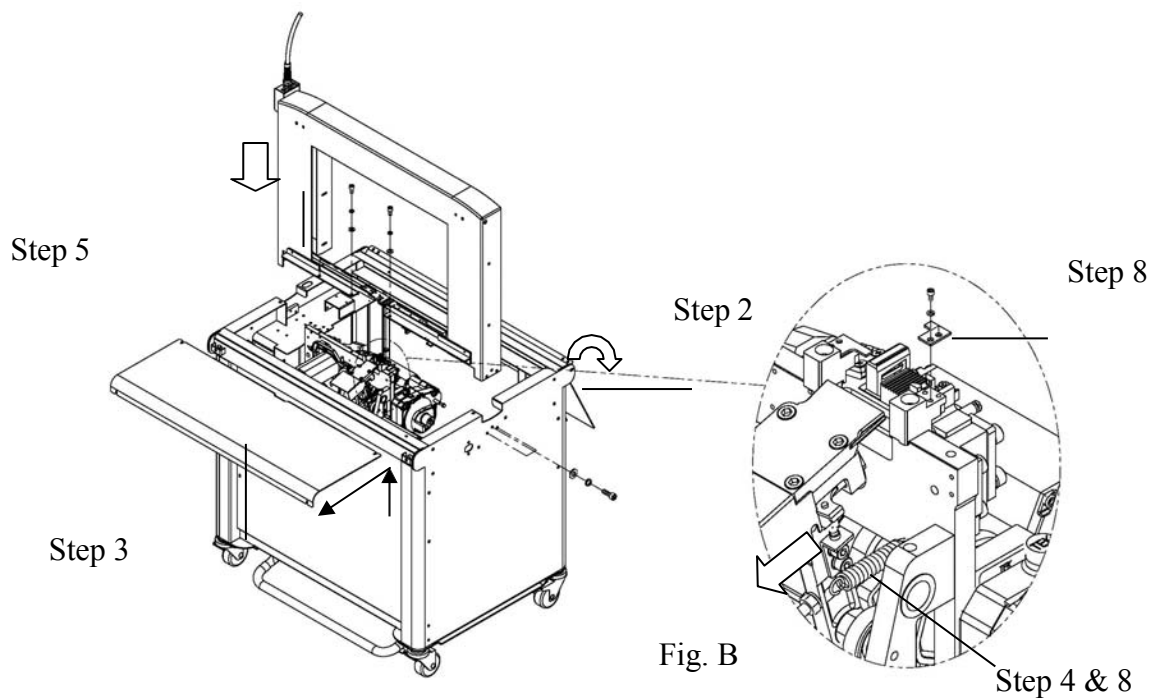
- 16. Strap Accumulator Motor M4
- 17. Automatic Feed Motor M5
- 18. Proximity Sensor SQ1
- 19. Proximity Sensor SQ2
- 20. Proximity Sensor SQ3
- 21. Fan (M11)
- 22. Heater
- 23. Photo Eye (Option)
- 24. Timer Box (Option)
- 25. Foot Bar (Rear)(Option)

### **3.4 Installation**

- 1. Remove the packing material and check that the machine is complete and without any shipping damage.
- 2. Installation of Arch Unit
  - a. Unpack the Arch Unit from the pallet.
  - b. Open the Upper Table Front and take out the package of spare parts from the machine inside. These spare parts are listed as below.
  - c. Loosen the fixing bolt (about 2-3 turns) of Upper Table Rear and then remove it (pull it up and then remove it backward).
  - d. Loosen M7-1-102000 Spring on M7-1-131101 Slide Table Frame and then move M7-1-131600 Slide Table backward.
  - e. Install the Arch Unit to the fixing position and then have 9 sets of spare parts Item D (HBS0616+SW06+PW06A) install in both sides of the Arch Unit, Strap Guide(R) and Strap Guide (L); hand tied them.

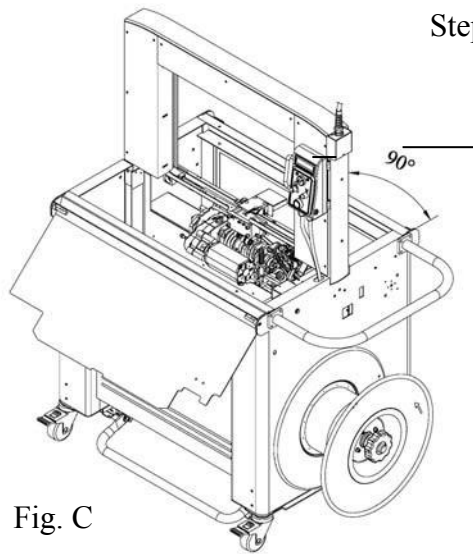


ITEM	Description	Q'ty
A	M7-1-101300	1 pc
B	T7-2-10120 (Guide)	2 pcs
C	HBS0308N + SW03	2 sets
D	HBS0616N + SW06+PW06A	11 sets
E	HBS0630N + PW06A + T7-3-10530+ PW06A + SW06 + HN06	1 sets
F	HBS0620N + SW06 + PW06A (For arch size $\geq$ W850mm)	2 sets or 1set
G	PMS0316 + SW03 (For SQ6) (OPTION)	2 sets
H	FMS0508N	4 pcs
I	HBS0508N + SW05 + PW05 (For 850W / 1050W / 1650W)	2 sets
J	HBS0640HN + PW06B + T7-2-20470 (For 1250W / 1650W)	2 sets

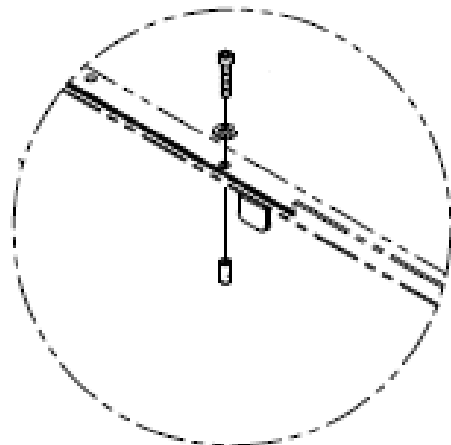
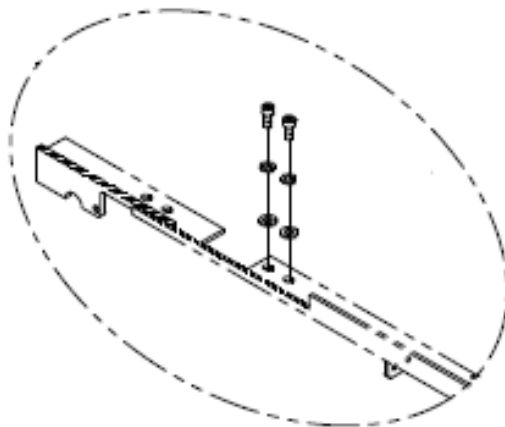
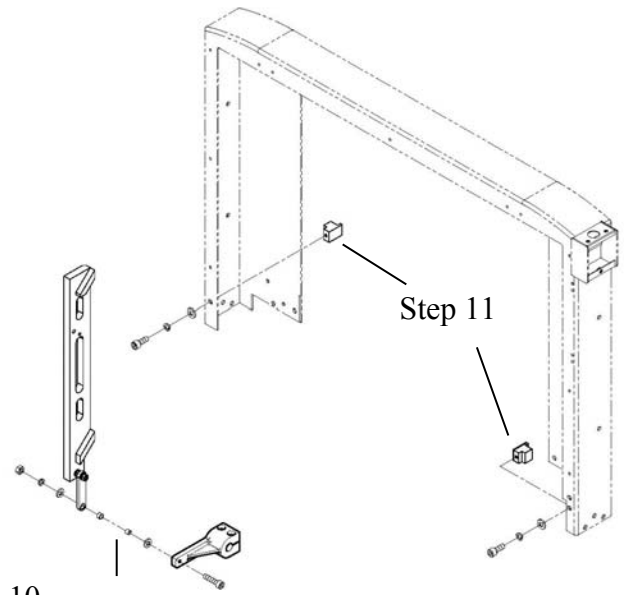




## Step 9



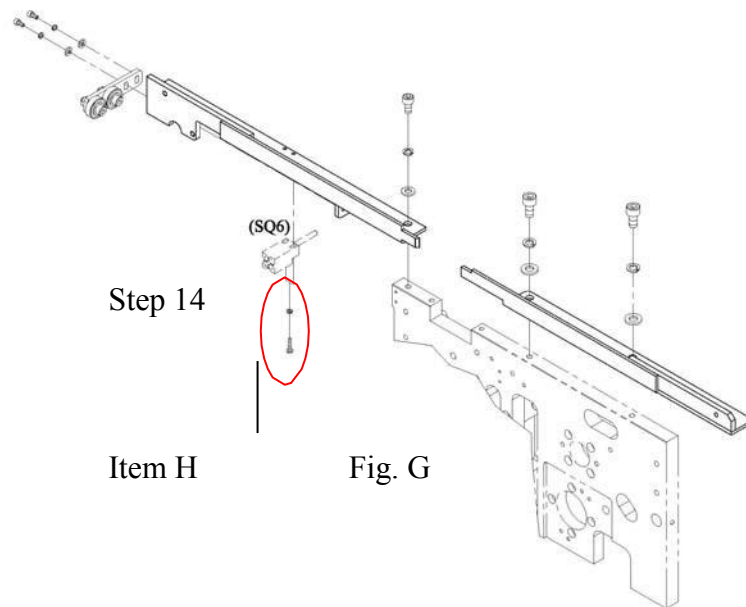
## Step 6

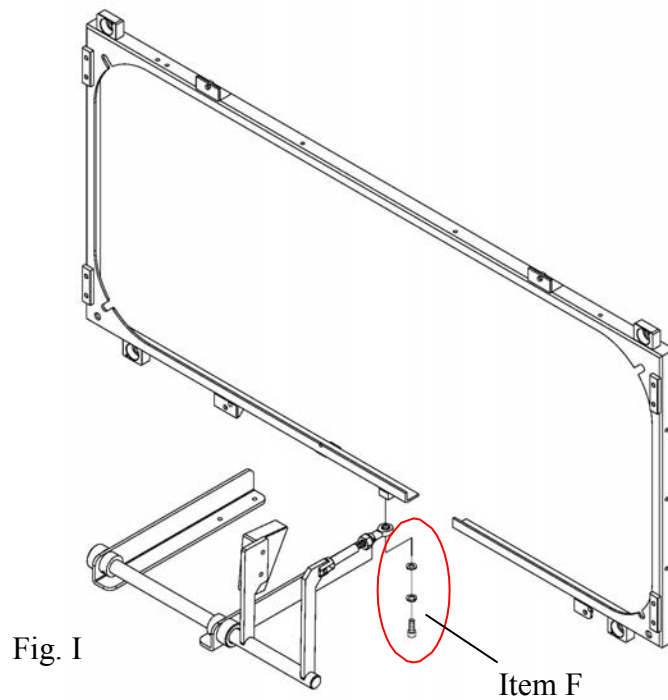
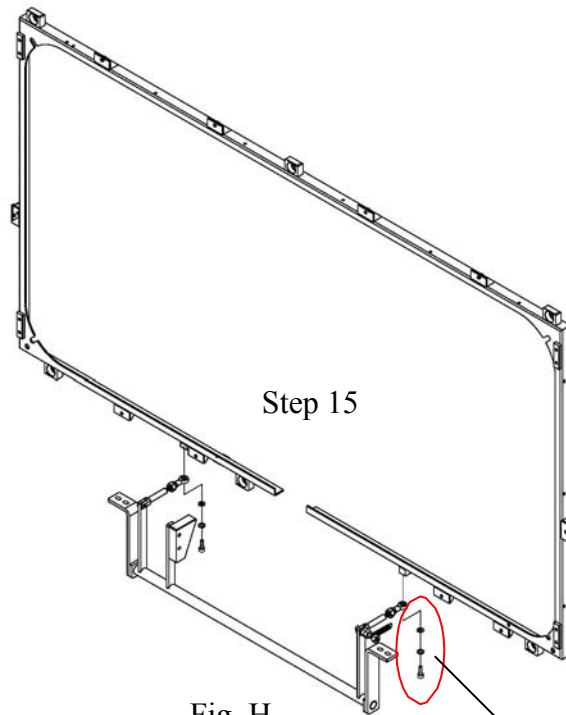


- f. Make sure the Arch Unit is vertical ( $90^0$ ) to the machine frame and then fix 6 sets of Item D (HBS0616+SW06+PW06A) which are on both sides of Arch Unit.
- g. Adjust the position of Guide LH and Guide RH close to the Strap track. The clearance should be smaller than 0.5mm. When the width of arch is 1050W/1650W, it's necessary to have Item I parts help to fix Guide LH. (refer to fig. E) When the width of arch is 1250W/1650W, it's necessary to have Item J parts help to fix Guide LH & Guide RH. (refer to fig. F)
- h. Hook the M7-1-102000 Spring back to M7-1-131101 Slide Table Frame (refer to fig. B) and fix M7-1-101300 Eject Plate (L) with correct direction (refer to fig. B). Be sure the Slide Table can move freely after fixing it.



- i. Use Item H parts to fix Control panel onto the right upper side of the Arch Unit.
- j. Use Item E parts to connect the M7-2-101500 Plate on the left and T7-2-10290 Arm together. (refer to fig. D step 10)
- k. Fix T7-2-10120 Guide. It can be only a little bit touched with the M7-2-101600 Left Bar or M7-2-101700 Right Bar.
- l. Connect the Power Cord to the terminal under the Upper Table Front.
- m. The installation of Arch unit is done. Turn on the machine for following testing.
- n. If this machine is with SQ6 option (check chute home position sensor), fix the SQ6 and make adjustment to have SQ6 is activated before the chute is 1mm away from the home position. If the clearance is too big, it might cause feeding failure; while if the clearance is too small, SQ6 might not able to be activated well. (when testing SQ6, the power should be on so that the led on the SQ6 could be activated.)
- o. If the width of arch is  $\geq 1250\text{mm}$ , it's necessary to install Connecting Rod Group (M7-2-400000) with Item F parts. (refer to fig. H); if the width of arch is 850mm or 1050mm, it's necessary to install Connecting Rod Group (M7-2-400010) with 1set of Item F parts. (refer to fig. I)
- p. Put back the Upper Table Rear and close the Upper Table Front. Done.

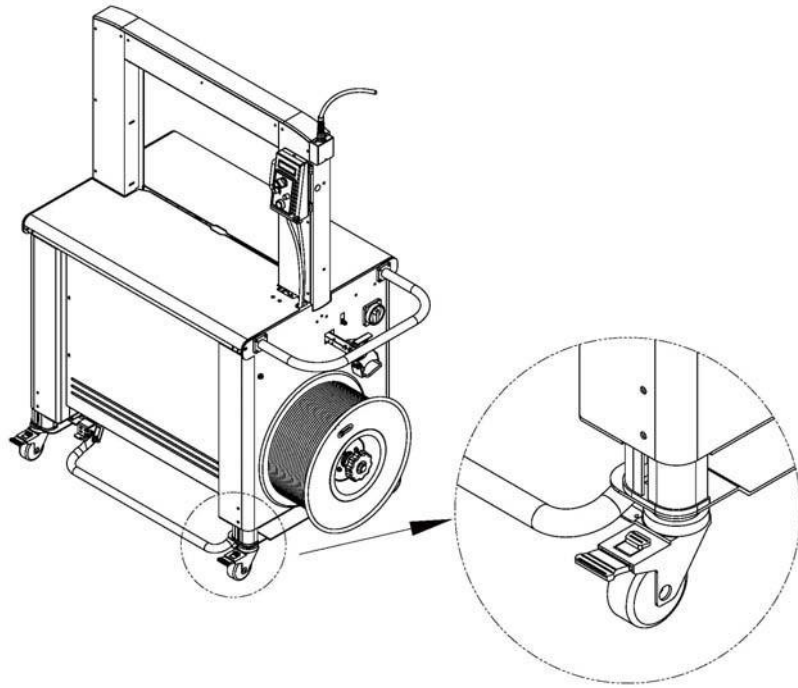




3. Adjust the table height by repositioning the screws underneath the machine frame (refer to below drawing). After adjustments, be sure to tighten all the fixing screws.

**Caution!**

**Be sure to take out the wire for the proximity switch underneath the left side of machine to avoid any damage before adjusting the table height.**



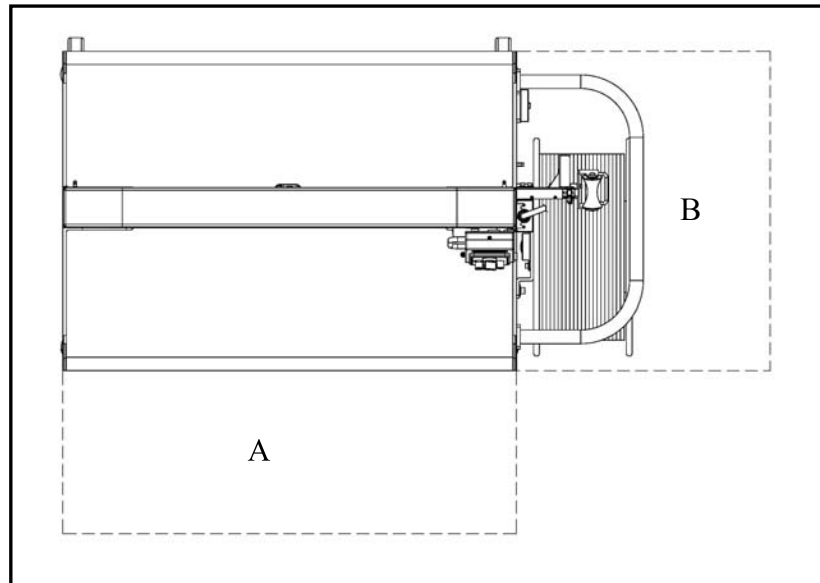
4. After positioning the machine ready for working, be sure to lock two front casters (with brake) to avoid machine's movements.
5. When moving the machine, be sure to un-lock the two lockable casters. Re-lock the two casters after re-positioning the machine.
6. Do not move the machine unless it's necessary. Before movement, be sure to turn off the power, unplug it, put the power cord on the machine and un-lock the front two lockable casters.
7. Minimum Requirements to the Electrical Supply
  - The electrical supply cord for the machine must have a minimum cross-section of at least  $1.0 \text{ mm}^2$  (16 AWG).
  - The maximum power line fuse must not exceed 16 Amp.

### 3.5 Operation Space

Keep the area (A) and (B) free for the operator.

The area (A) is necessary for operation strapping machine.

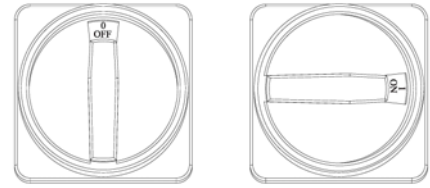
The area (B) is necessary for changing the strap or adjusting strap amount in the accumulator.



## 3.6 Operating Elements

### 1. Main Power Switch:

- Provides the machine with power.  
Switch to “1” position for turning the main power on.  
After strapping, switch it to “0” to turn off the machine.



### 2. LCD Display:

Display strapping message.

### 3. Soft - High Tension Switch:

Switch to right for High strapping tension.  
Switch to left for soft strapping tension.

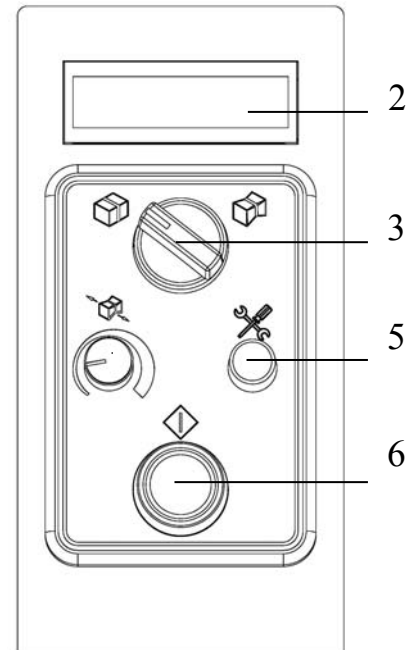
### 4. Strap Tension Potentiometer:

Turn clockwise to increase strapping tension;  
turn counter-clockwise to reduce strapping tension. This potentiometer is only functional under High tension mode)

4

### 5. Function Encoder:

Turn clockwise or counterclockwise to change strapping settings.



**Also!**

**It offers settings for weld cooling time and photo eye timers (expressed in page A21). Other settings can only be changed by technicians with password.**

### 6. Start Switch:

- When the machine is ready for working, and after turning on **Main Power Switch**, you must push the Start switch for activating other controls.
- To initiate a strapping cycle.
- To clear up machine fault.(reset)

**7. Reel Release Switch:**

To release the dispenser for easily taking out strapping from it.

**8. Foot Bar :**

To initiate a strapping cycle.  
To clear up machine fault. (reset)

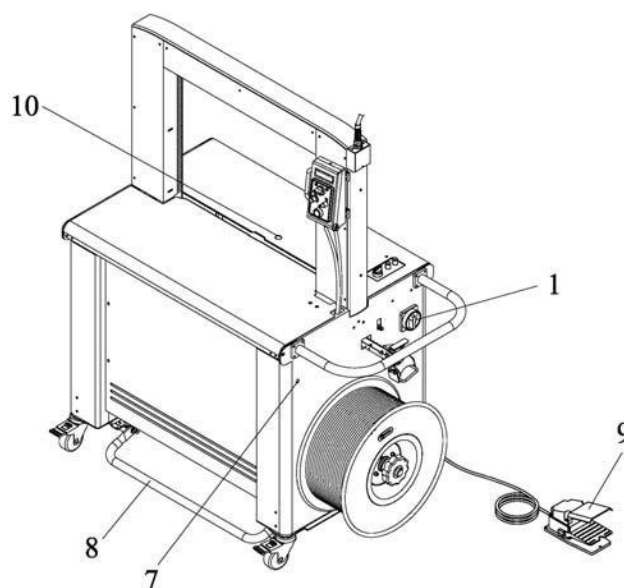
**9. Foot Pedal Switch (Option):**

To initiate a strapping cycle.  
To clear up machine fault. (reset)

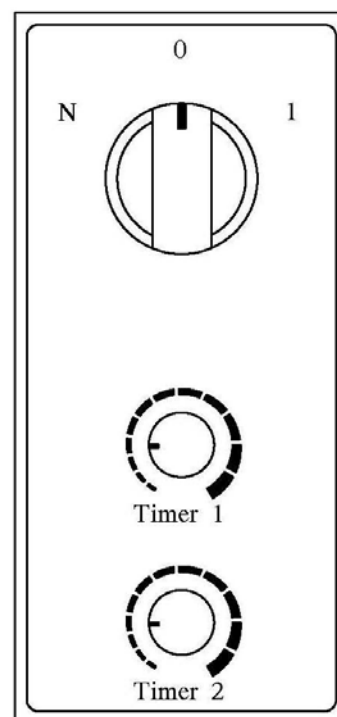
**10. Photo Eye Switch (Option)**

The purpose of the photo-eye switch is to automatically initiate strapping cycles when a package is detected.

The controls for the photo-eye are shown in the figure below.



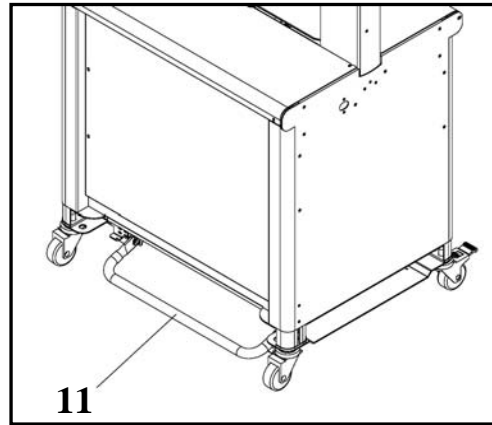
Function	Function
0	The photo-eye is disabled. The strapping cycle must be initiated with Start switch on the control panel or Foot bar switch and optional foot pedal.
1	A single strapping cycle: initiates a cycle when a package covers the photo-eye. Delay time for initiating the cycle is controlled by TIMER 1.
N	Multiple strapping cycles: initiates a cycle when a package covers the photo-eye. Cycling continuously until the photo-eye no longer “sees” a package. The cycle timing is determined by TIMER 1 and TIMER 2.
Timer 1	Sets the delay time from the moment that a package is detected until the 1 <sup>st</sup> strapping cycle initiates. This allows an operator to properly position a package for the first strap. It is adjustable from zero to five seconds.
Timer 2	It’s the delay time (interval) between strap cycles. When multiple strapping cycles are needed, this timer is for an operator to determine the interval between each straps. It is adjustable from zero to five seconds.



#### 11. Foot Bar (Rear)(Option):

To initiate a strapping cycle.

To clear up machine fault. (reset)



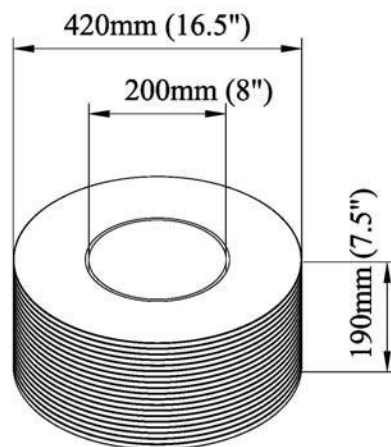
### 3.7 Instructions for Loading PP Strap

#### 3.7.1 Specifications

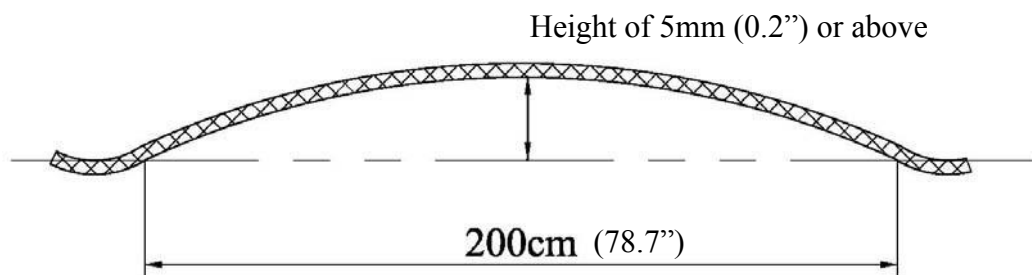
Polypropylene Strap

Width: 12mm

Thickness: 0.45 -0.65 mm



Strap which has excessive camber as illustrated in figure below cannot be used.

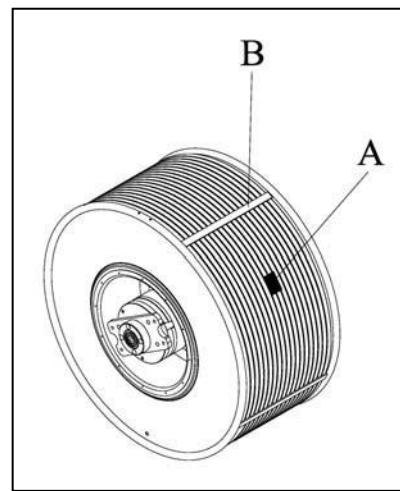
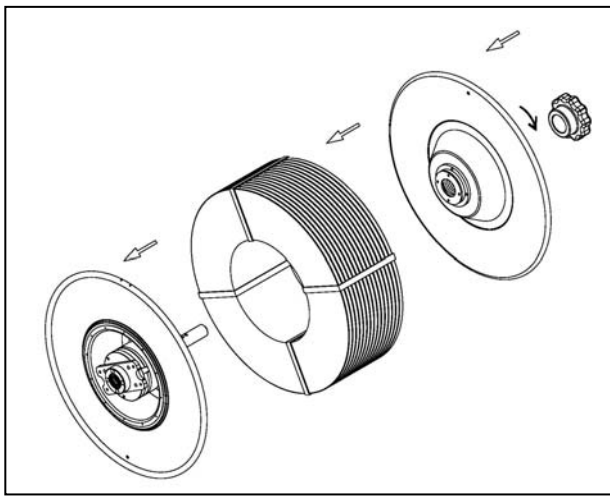


### 3.7.2 Strap Reel Installation

1. Release the Reel Nut Handle by pressing and turning it to the left.
2. Take out the Outer Flange.
3. Install a new strap coil onto the drum according to the instructions on the reel.
4. Put Outer Flange back and the Reel Nut Handle. Turning the Reel Nut Handle to the right to lock it.
5. Remove the protective straps (B) and the stickers (A)

Note:

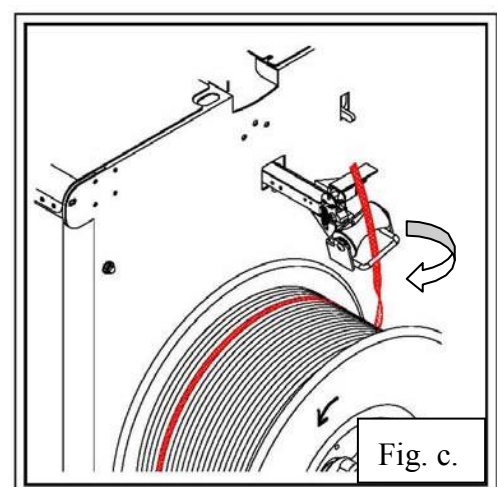
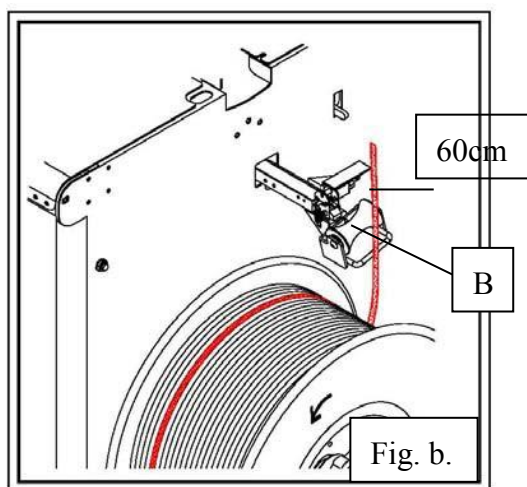
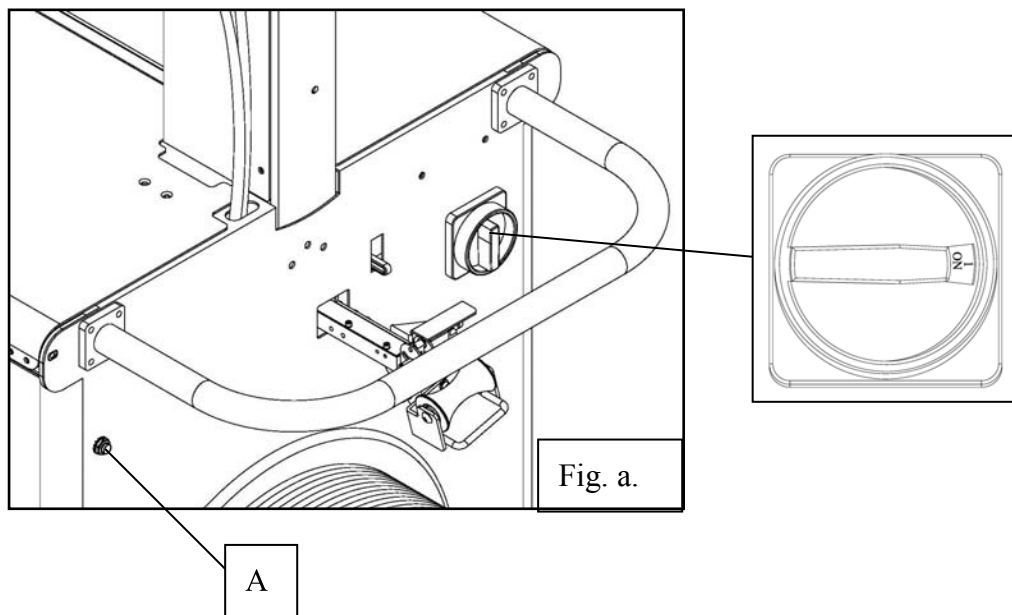
The Reel Nut Handle is released by turning to the left. Tighten it by pressing and turning it to the right.

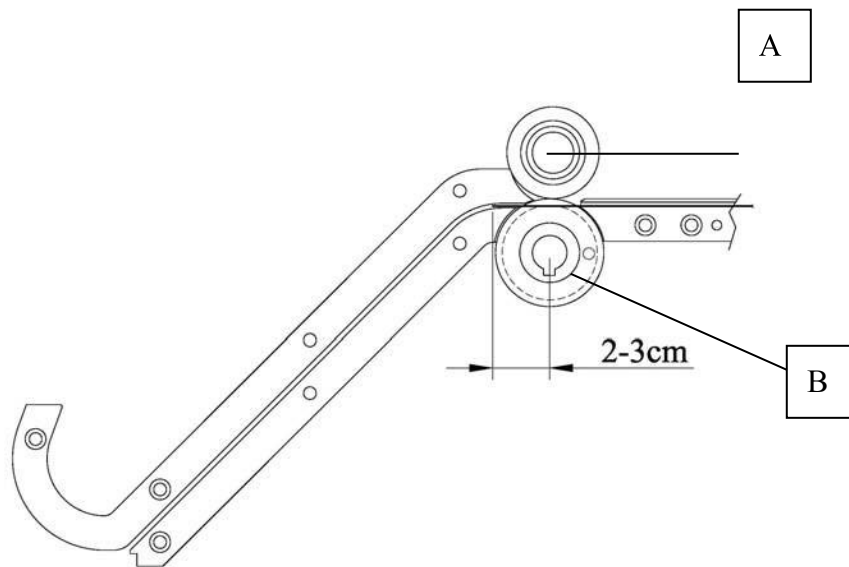
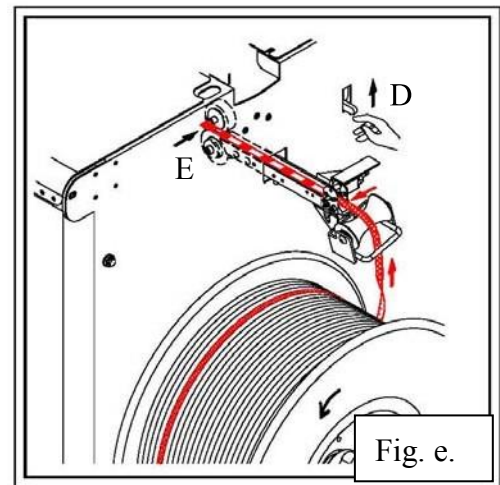
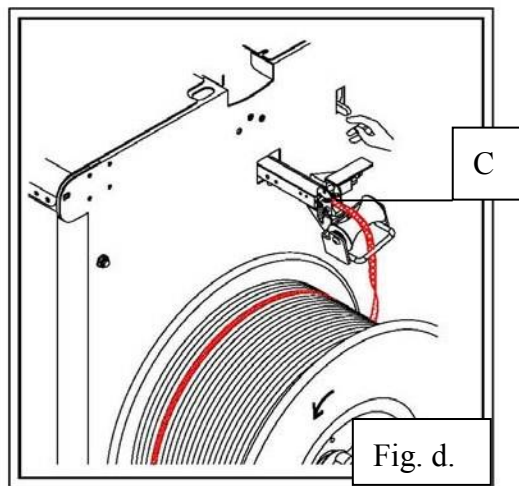




### 3.8 Auto Strap Feeding Process

1. Turn Main Power Switch on the control panel to the right (at 1 position), and press Start Switch. (refer to Fig. a)
2. Press “Reel Release Switch A” (as shown in Fig. a) and pull out around 60cm strap. (refer to Fig. b)
3. Thread the strap through the Guide Roller B following to the direction showing in Fig. c.
4. Insert the strap to outlet C (refer to Fig. d).
5. Keep threading until the tip of the strap reaches the Accumulator Main Roller.
6. Lift the lever D and insert strap between the rollers E. Feed strap for around 2-3cm ahead the rollers. (refer to Fig. e)





**Caution:**

**If strap is fed more than 6cm ahead the rollers, it could make Auto Strap Feeding failed.**

7. Press Start Switch. Machine will complete the Auto Strap Feeding in 5 sec. and have the strap feeding to the sealing point.

**Caution!**

**In the process of Auto Strap Feeding, only the Start Switch is functional. Neither Foot bar switch nor foot pedal switch will function.**

**Caution!**

**The cut edge of the strap must be free from burrs to avoid failure in Auto Strap Feeding.**

## 4. Operating the Machine

After switching on the strapping machine, heater starts to warm up and LCD display continues to be on until the heater reaches its operating temperature (about 2 minutes).

### **Caution!**

**Machine will not operate until heater reaches to operating temperature.**

**The heater fans continue to run until heater reaches operating temperature.**

Switch **Main Power Switch** to Position “1”



Heater warms up and LCD display keeps on lightening



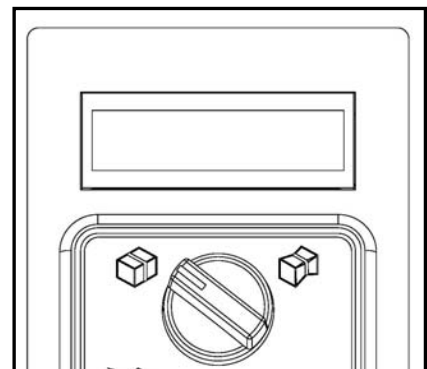
Ready!  
LCD display is off

### 4.1 Soft Tension Operation

1. Place a package in the middle of table beneath the chute.
2. Push start switch or actuate foot bar switch or foot pedal switch (option) to start strapping.

#### **NOTE!**

**When operating in soft tension mode, the strap tension potentiometer does not function.**



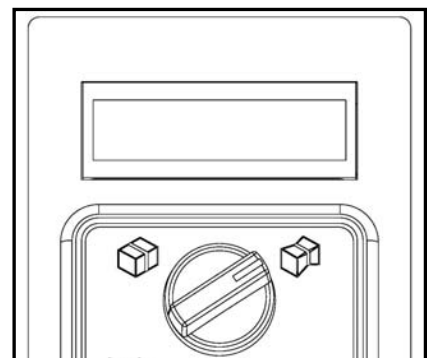
### 4.2 High Tension Operation

1. Place a package in the middle of table beneath the chute.
2. Properly adjust the strap tension potentiometer according to various package.
3. Push start switch or actuate foot bar switch or foot pedal switch (option) to start strapping.

#### **Attention!**

**Keep hands away from the strapping area.**

**If hands are caught by P.P. strap accidentally, be sure to turn off the Main Power Switch first and then cut the strap.**



### 4.3 Function Encoder

LCD display will show various timers such as cooling time, timer 1, timer 2...etc. After pressing the function encoder for over 2 seconds, turn the knob to choose the timer needed to be changed. Press this knob to confirm the timer needed altered and turn it again to alter the value, and then press it again to confirm this alteration.

T5: cooling time timer, Range 0-0.6S

T1: see A16 timer 1

T2: see A16 timer 2

T4: Press bar delay time, Range 0-3S

PH1> 0: Photo eye **control box** no function (Disable)

1: Photo eye **control box** has function (Enable)

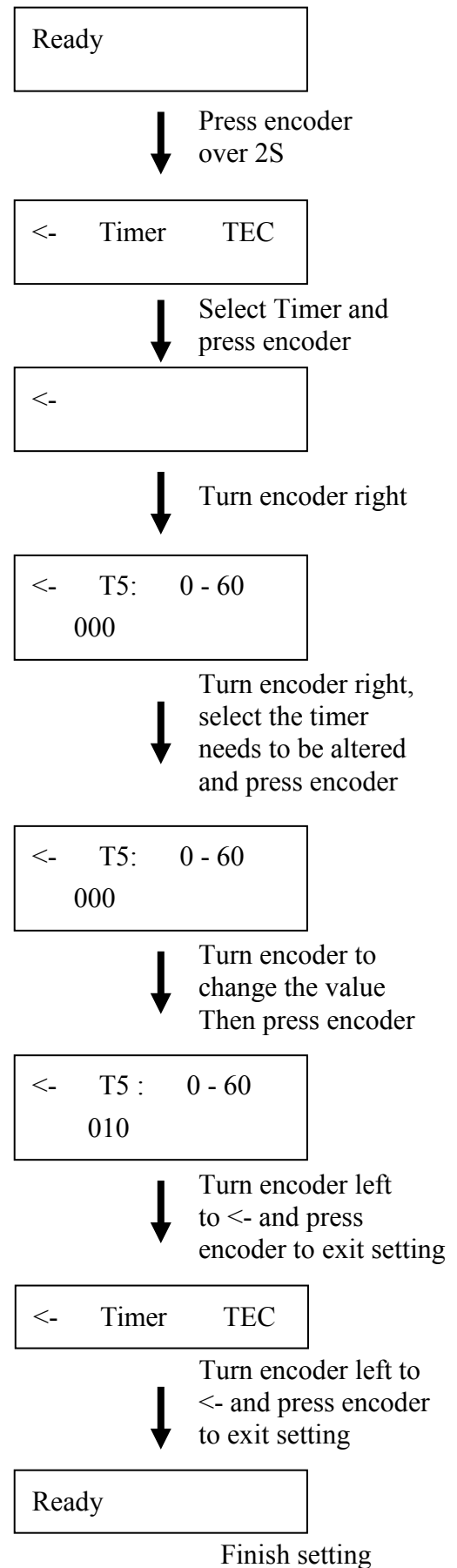
PH1-N> 0: only one strap cycle when PH1 is activated.

1: continuous strap cycles when PH1 is activated and cycle will stop until the package leaves.

SQ6> 0: sensor for chute home position no function (Disable)

1: sensor for chute home position has function (Enable)

Press>0: Press device no function (Disable) (for TP-702P only)



## 5. Adjustments

### 5.1 Strap Amount in the Accumulator Box

The machine has been already well set for storing enough amount of strap in accumulator Box.

However, some adjustments may be required, depending on the actual quality or thickness of the strap used.

The strap supply in the accumulator box should be sufficient for about 2-5 strapping cycle.

(It depends on the package size and the arch size. Fewer cycles are available for bigger arch or bigger package.)

#### **Caution!**

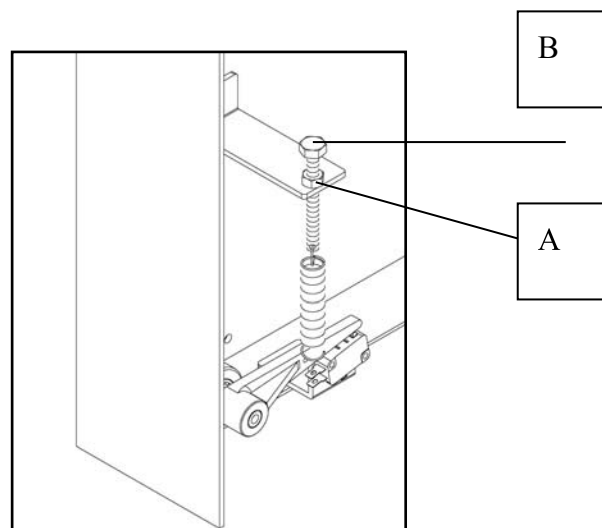
**Excessive amount of strap in the Accumulator Box can lead to the strap jam (too curved) and cause feeding problem.**

**Insufficient amount of strap in the Accumulator Box can lead to short feed problem or decrease strapping speed.**

The adjusting mechanism for amount of strap is inside the machine, at the rear side of machine.

In case that there is an insufficient amount of strap in the Accumulator Box, loosen the Nut A and turn the Screw Bolt B counterclockwise. After adjustments, be sure to tighten the Nut A to avoid unstable strap accumulation.

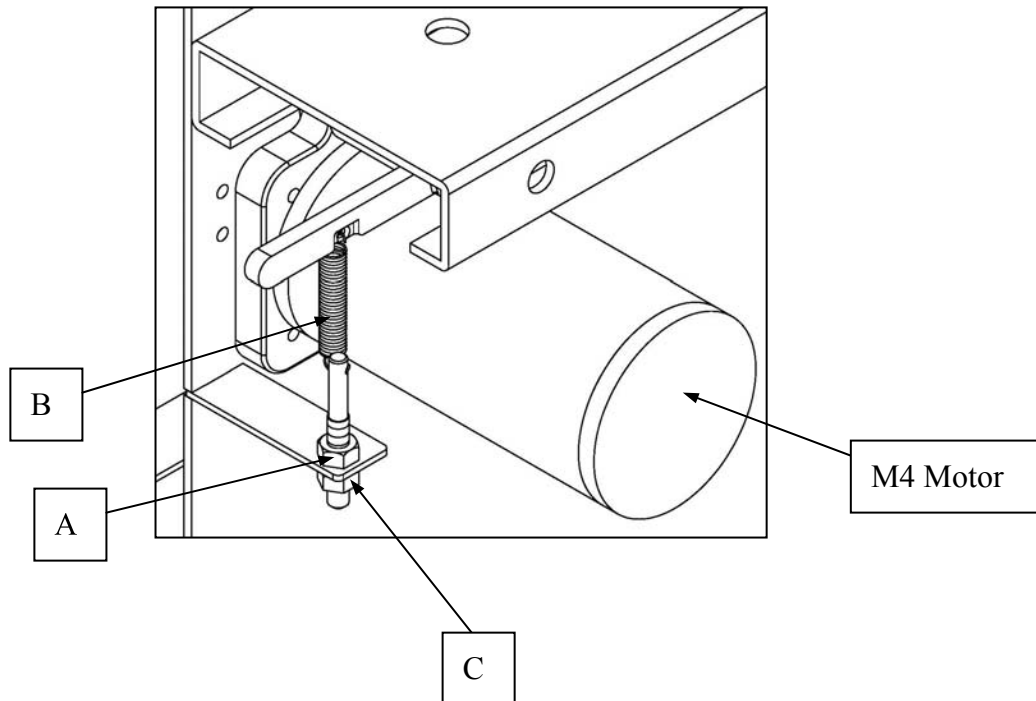
In case that there is an excessive amount of strap in the Accumulator Box, loosen the Nut A and turn the Screw Bolt B clockwise. After adjustments, be sure to tighten the Nut A to avoid unstable strap accumulation.



## 5.2 Adjustment for Feeding Pressure to the Accumulator Box

The machine has been already well set for enough feeding pressure offering enough strength for pulling strap from strap coil to accumulator box. It might be necessary for some adjustments to increase feeding pressure if you are using smooth strap.

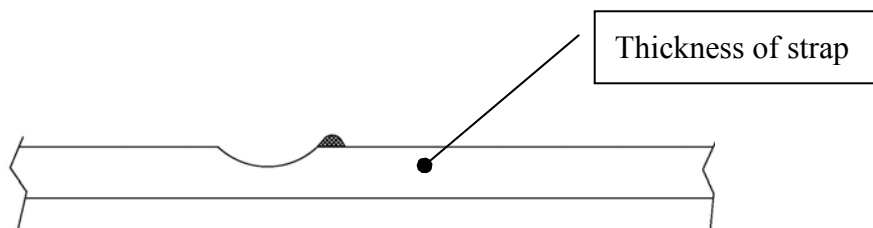
When it's necessary for increasing the feeding pressure, please loosen the Nut A and turn Nut C upwards to increase the strength of Spring B. Be sure to tighten Nut A by turning it counterclockwise after adjustments.



### Caution!

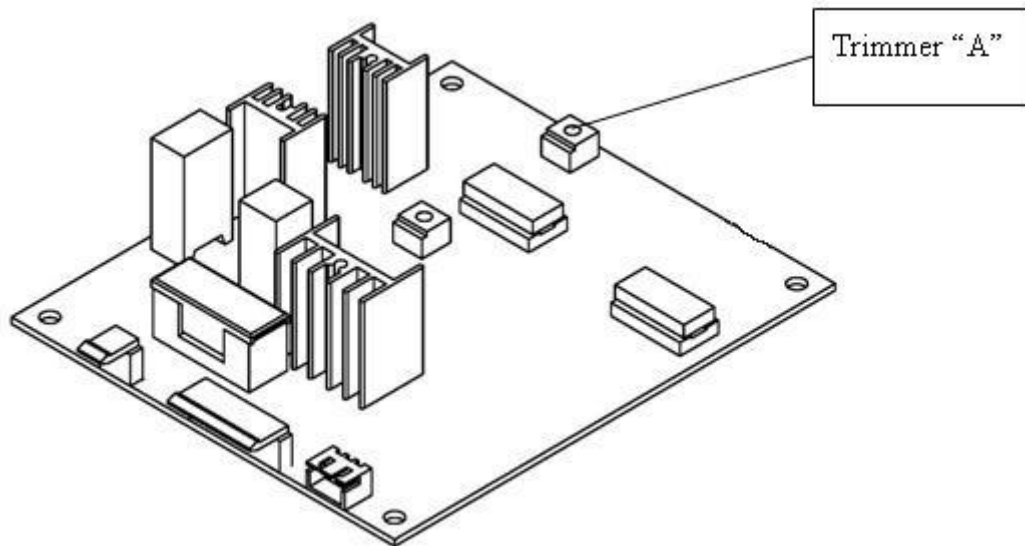
Too much feeding pressure could lead to feeding problem as the strap would be scraped by the rollers easily.

Insufficient feeding pressure would lead to short feed problem as the strap is insufficient in the accumulator box.



### 5.3 Adjustment for Heater Temperature

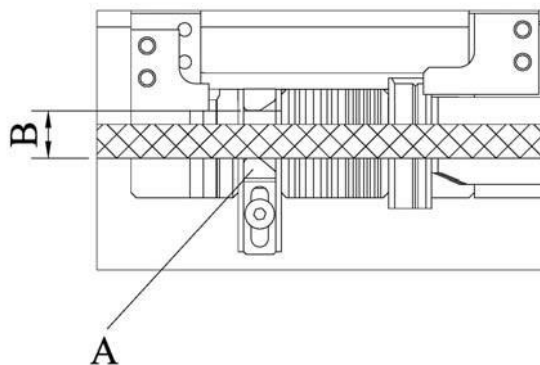
The machine has been already well set for proper heater temperature. It might be necessary to do some adjustments according to temperature in working environment, and the quality of PP strap to ensure better sealing efficiency. Turn „A” clockwise to increase the heater temperature and turn it counterclockwise to decrease the heater temperature.



### 5.4 Some adjustments for straps

#### 1. Adjusting “Strap Guide”

Adjusting the A (Strap Guide) according to the strap and make sure the width B is around 0.5mm (0.02”) wider than the strap.

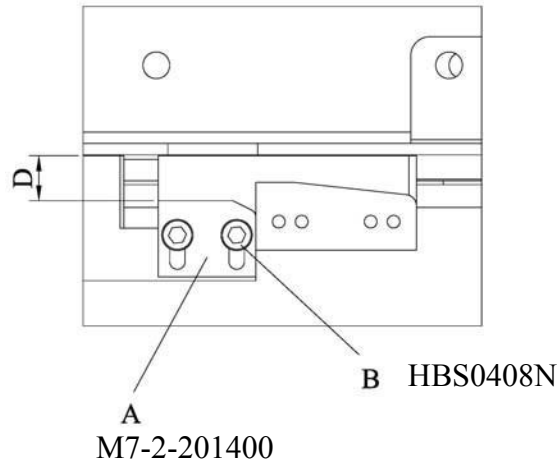


#### Caution:

**If B is too wide, it would lead to sealing problem. However, if it's too narrow, it would lead to feeding problem.**

## 2. Adjusting “Right Strap Guide”

Loosen the screws on the “Right Strap Guide” and take it out. Then loosen the 2 screws B (HBS0408N) and adjust A according to the strap. Be sure D is about 0.1mm wider than the strap. After adjustment, tighten screws B and put the “Right Strap Guide” back.



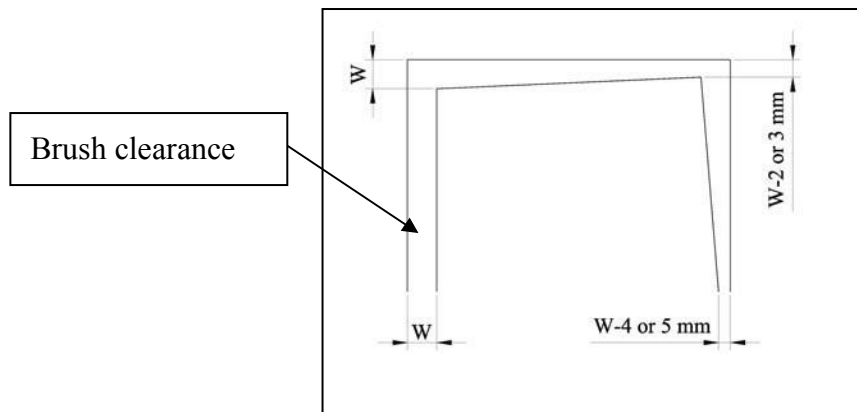
### Caution:

**If D is too wide, it would lead to sealing problem. However, if it's too narrow, it would lead to feeding problem.**

## 3. Adjusting Brush Clearance in the Arch

The brush clearance in the left side and upper left should be about the strap width. The brush clearance in the upper right should be about 2-3mm narrower to the strap.

The brush clearance in upper side of right chute should be the same to the clearance in right side of upper arch. The brush clearance in the lower right should be 4-5mm narrower to the strap.



### Note:

The brush clearance could be various according to different package size. The brush clearance needs to be bigger for not having any effect on reversing especially when the package size is close to the arch size.

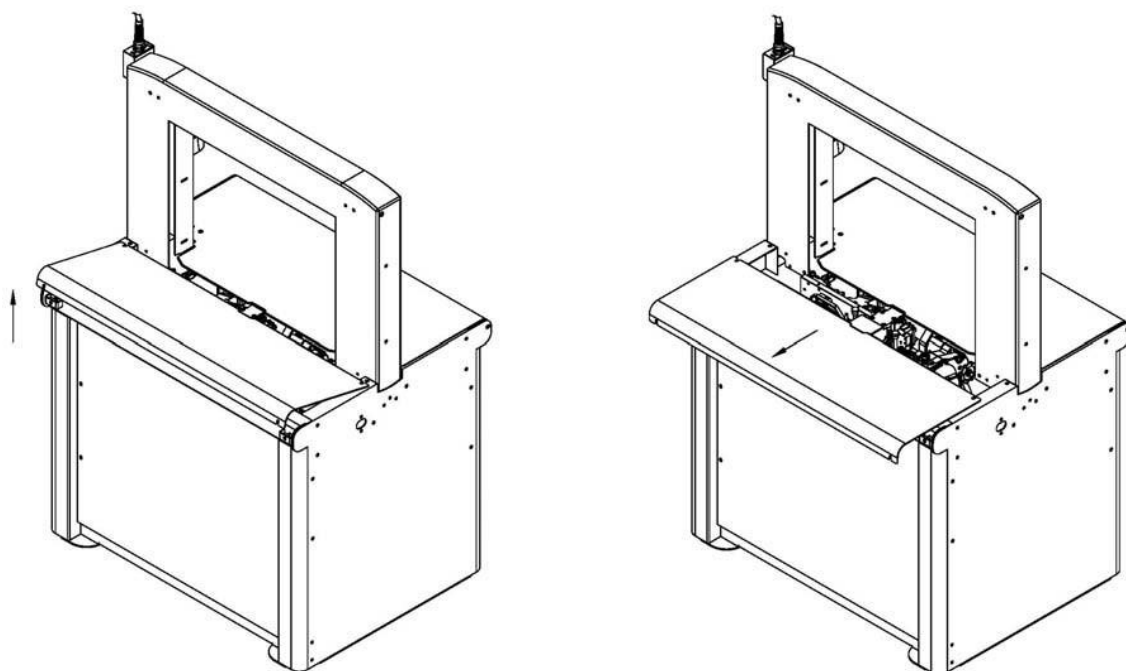


#### 4. Adjusting Strap Amount in the Accumulator Box

Different strap widths might have effects on the strap amount in the accumulator box. Please do the adjustment according to 5.1 if necessary.

### 5.5 Adjustment for Feeding/Reversing Pressure

The upper table rear was screwed by captive screws. To take it out, please loosening the captive screws about 5mm first and then lift the end side of rear side up and slide it out.

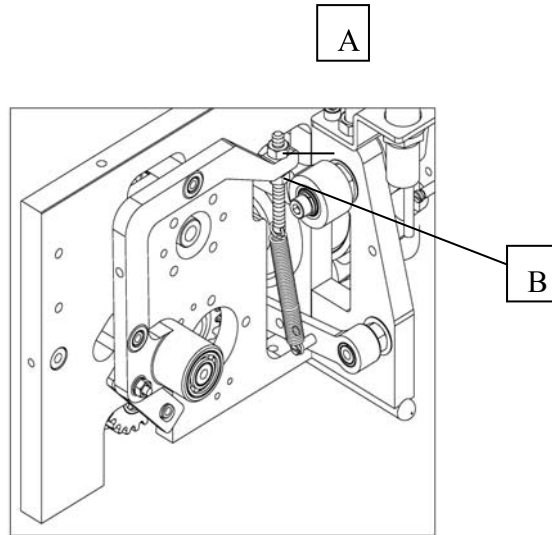


## 1. Adjusting the Pressure for Feeding

The machine is already well set for proper feeding pressure. However, according to different strap characteristics (such as smoother surface or different thickness), some adjustments for feeding pressure are still necessary.

If short feed problem happens a lot, and it is a result of improper feeding pressure, please do the following adjustments:

Loosen Nut B and turn Nut A clockwise to increase the feeding pressure. Or loosen Nut A and turn Nut B counterclockwise to decrease the feeding pressure. After adjustments, be sure to tighten these 2 Nuts well.

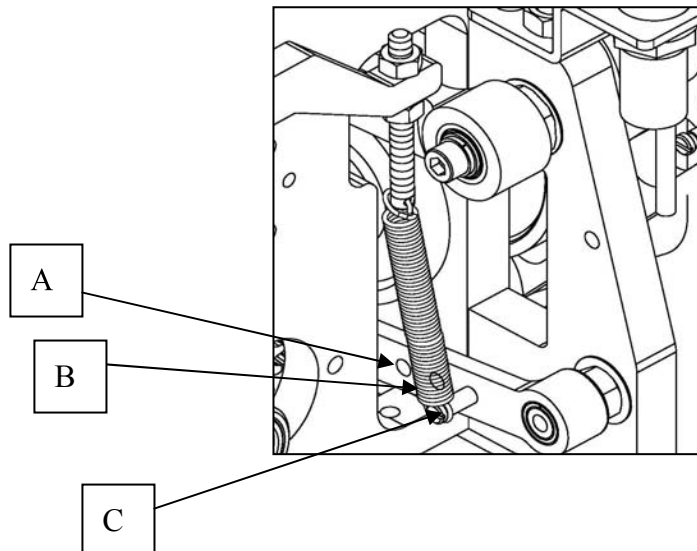


## 2. Adjusting the Pressure for Reversing

The machine is already well set for proper reversing pressure. However, according to different strap characteristics (such as smoother surface or different thickness), some adjustments for reversing pressure are still necessary.

If machine often has incomplete reversing problem, and it is a result of improper reversing pressure, please do the following adjustments:

Take out the part (TA-073 Spring Hook) from C position to B or A position in order to increase the reversing pressure.



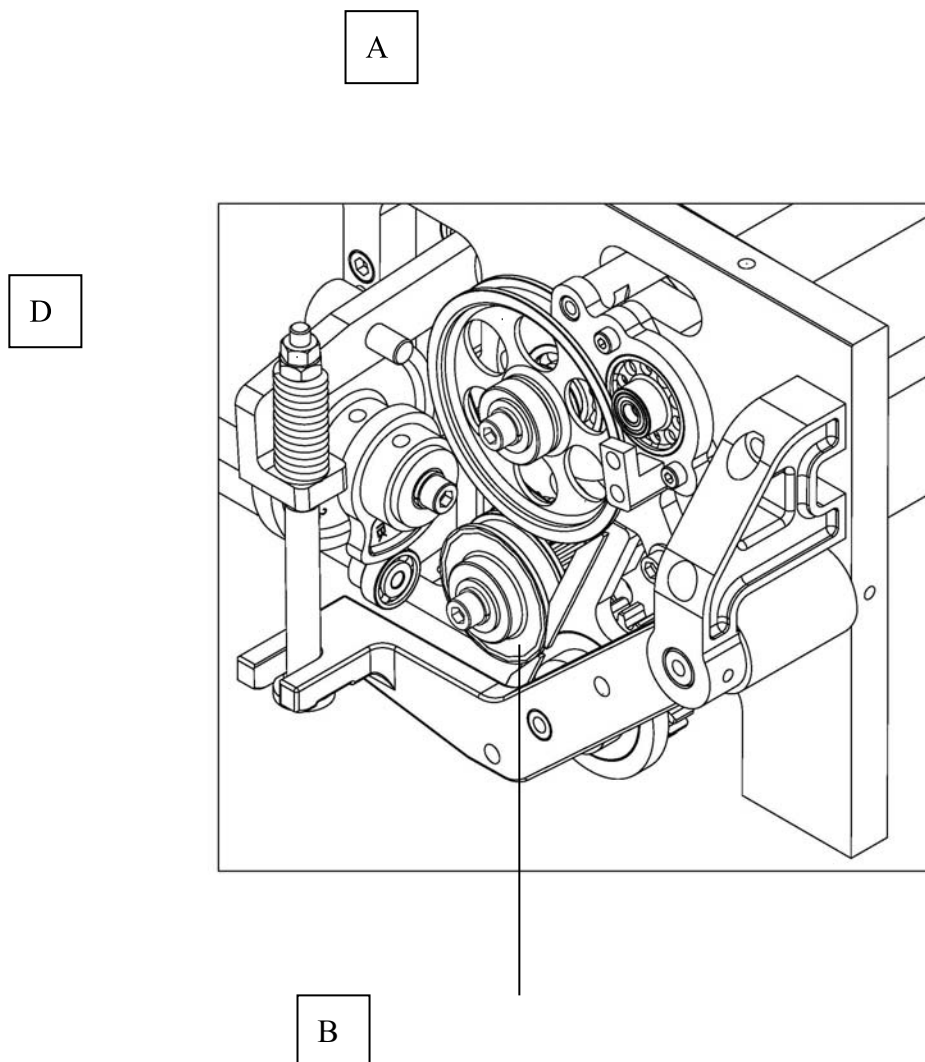
## 5.6 Adjustment on Tensioning Rollers for High Tension

The machine is already well set for proper pressure for high tension. However, according to different strap characteristics (such as smoother surface or different thickness), some adjustments on pressure for high tension might be necessary.

When insufficient strapping tension occurs even the Soft-High tension switch is on “high” position and it is a result of pressure for high tension, please turn Nut D clockwise. This can solve the problem of insufficient strapping tension at high tension and strap slipping between A & B due to this.

**Note:**

**When the pressure for high tension is set too high, the tension for strapping would get lower.**

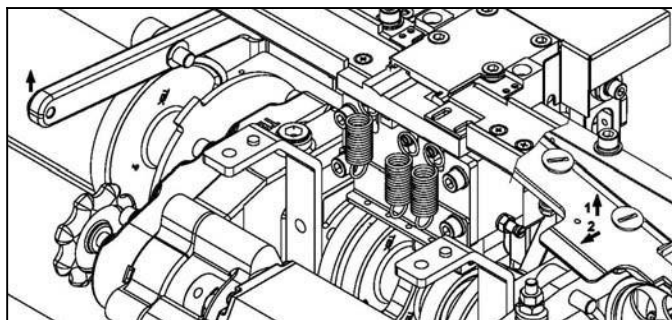


## 6. Troubleshooting

### 6.1 LCD Display

When the machine has a malfunction, the LCD will flash and display a failure message. Message shown on the LCD could be as follows:

1. Reminder message:
  - a. Push Start: Please press the Start Switch to make machine function. This is especially necessary after the Safety Switch is released or after you just turn on the machine.
  - b. Load Strap: Load a new roll of strap or re-do the Auto Strap feeding again.
  - c. B6 open; K1 open: When it shows this message after you press the Start Switch, it means the Safety Switch might not be closed or the K1 in the control box is abnormal.
2. Malfunction from switches:
  - a. S1 Error: This means the Start Switch or the Foot Pedal is continuously triggered before activating them. Please check if any of these 2 Switches is defective.
  - b. S5 Error: This means the Reel Release Switch is continuously triggered before activating it. Try to press it by hand to see if it's defective.
  - c. SQ1 on Error: The SQ1 is triggered when doing Auto Strap Feeding. Check if the SQ1 or the Switch lever is defective.
  - d. SQ9 failure: Foot bar is not able to function properly and cause it not able to go back to home position.
3. Malfunction from procedures:
  - a. ASF failed: Auto Strap Feeding failed. It might be caused by wrong inserting direction or inserting strap too much. Please re-do the Auto Strap Feeding.
  - b. Feed jam: Resulting from not being able to feed strap to the sealing position. When Feed jam occurs, solve it by pressing the Start Switch or Foot bar. If this does not solve the problem, please take out the jammed strap by following steps:



- b-1. Open Upper Table Front Ass'y M7-5-210020.
- b-2. Lift up the Lever (M7-2-101400/M7-2-101410) with left hand and take out the Cover (M7-1-311220) for the Upper Guide with right hand at the same time.
- b-3. Take out the jammed strap and cut it.
- b-4. Put the cover (M7-1-311220) for the Upper Guide back to its position and put the Upper Table Front Ass'y back as well. Push START switch in the control panel to RESTART machine.

If this does not solve the problem, the following causes have to be checked as well:

Fault	Cause	Remedy
1. Feed jam	Strap is too curved	Change strap
	Insufficient feeding pressure	Adjust feeding pressure according to 5.5
	Too much strap amount in the accumulator box and has caused strap to be curved	Adjust to proper strap amount in the accumulator box according to 5.1

#### Other malfunctions

1. Sealing failure	Too much debris on both sides of heater plate	Clean both sides of the heater plate by fine sandpaper
	Insufficient heater temperature	Increase the heater temperature according to 5.3
	Insufficient cooling time	Increase cooling time according to 4.3
2. Insufficient strap tension	Soft-High tension switch is at "soft" position	Turn it to "high" position
	Lubricant drops into tension roller incautious	Clean the lubricant
	Too much debris in the gear of tension roller	Clean the debris

## 7. Maintenance

### Warning:

**Before any maintenance or repairs on the machine, set the Main Power Switch to "O" (OFF). Wait about 5 minutes for cooling down the heater to avoid burns with this area.**

### 1. Cleaning and Lubrication

The high reliability and long service life of the strapping machine will depend on regular cleaning and maintenance.

#### ATTENTION!

**All the important strap transport components, such as the drive rollers and the strap guides, must be kept free from oil and grease. (lubricant)**

**The lubricant has to be non-resinous.**

**The lubricant is SAE 30**

### 2. Maintenance

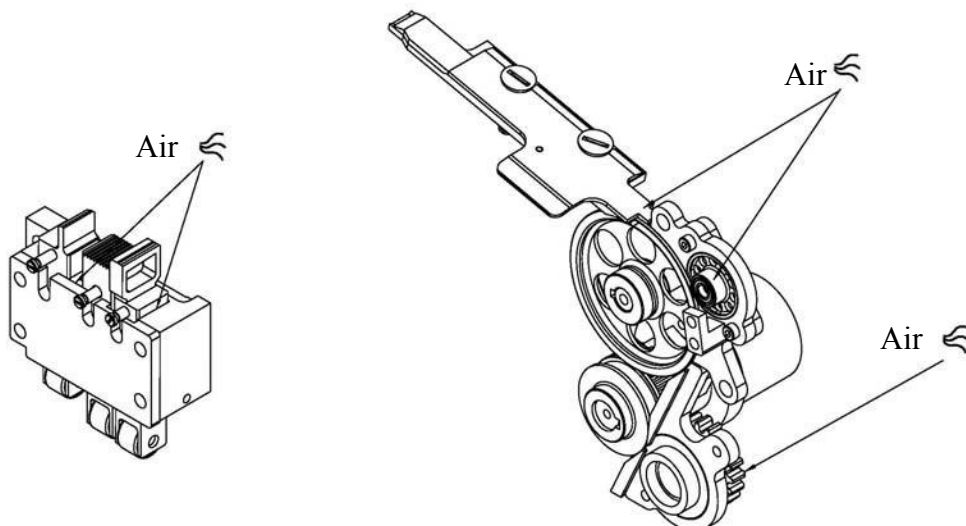
**Only use original spare parts supplied by manufacturer.**

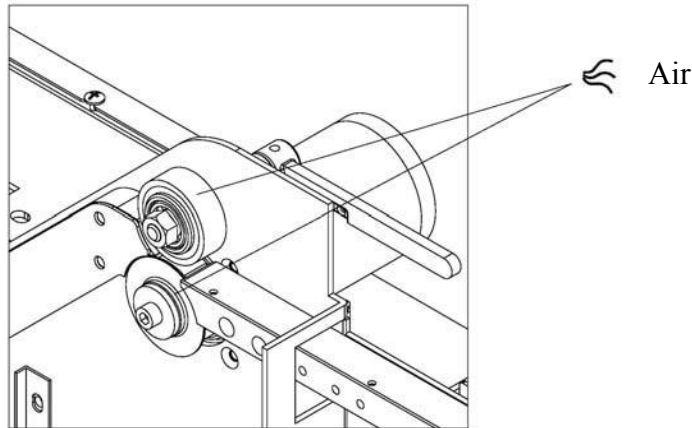


#### Daily:

Use air gun to clean the circled positions (nearby the cutters, strap guide and accumulating feeding rollers) daily

Remove plastic residue in the machine.



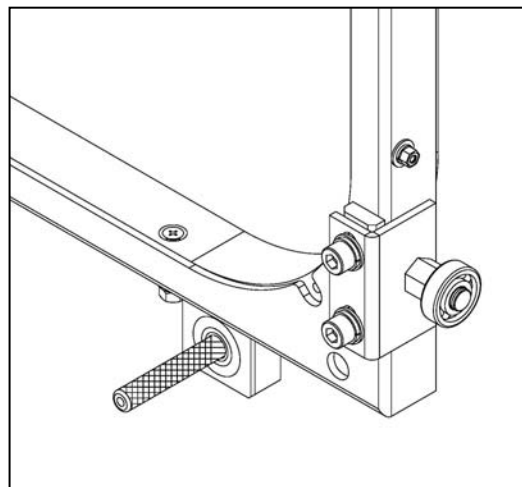
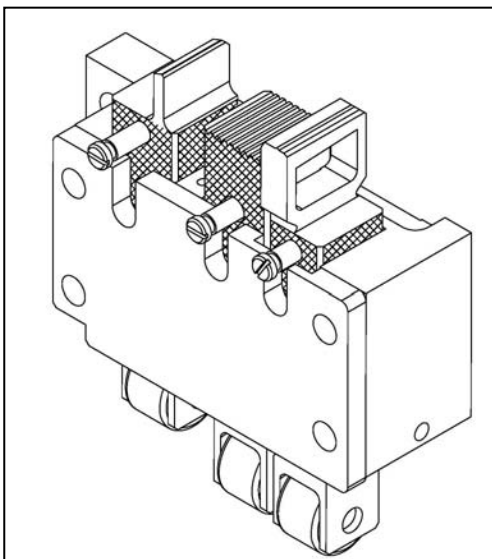


### **Weekly:**

Lubricate (front bar, press bar and rear bar) and shafts in arch weekly.

Please refer to the following mesh areas for instruction.

Before lubricating, be sure to clean the parts first to avoid mixing oil and debris which might have a bad effect on machine's function.



Test strapping with several bundles, paying attention to audible and visible failures and check for correct function.

### **Monthly :( or 100,000 strapping cycles)**

Clean both sides of heater plate and polish with fine sandpaper if necessary

**ATTENTION: Make sure the welding plate is cool first!!**

Check supporting and cam rollers of seal head for easy movement. The pressure plate must be moved back to home position automatically by the spring tension.

Be sure to clean any debris in the tension roller

**6 Months: ( or 500,000 strapping cycles )**

Check heating element, replace and re-adjust it if necessary.

Check strap cutter in sealing head, replace it if necessary.

Check if the connector at wiring housing to printed circuit board is firmly fixed.

Check if the safety switch on front table or right door functions well.

Make machine ready for operation. Strap one bundle manually several times, paying attention to mal-functions, repeat procedure.

Initiating several cyclings with package manually for testing and pay attention to any mal-functions. Make sure the strap accumulating function is well. If necessary, replace the assistant rollers, do proper adjustments to accumulating feeding pressure or to the clearance in the reel brake.

Slightly lubricate the sealing head (bearing points) with light lubricant if necessary.


































**1 year :( or 1,000,000 strapping)**

Replace deflection roller if it shows visible changes.

In case of loud noise at bearings: locate them, replace the bearings.

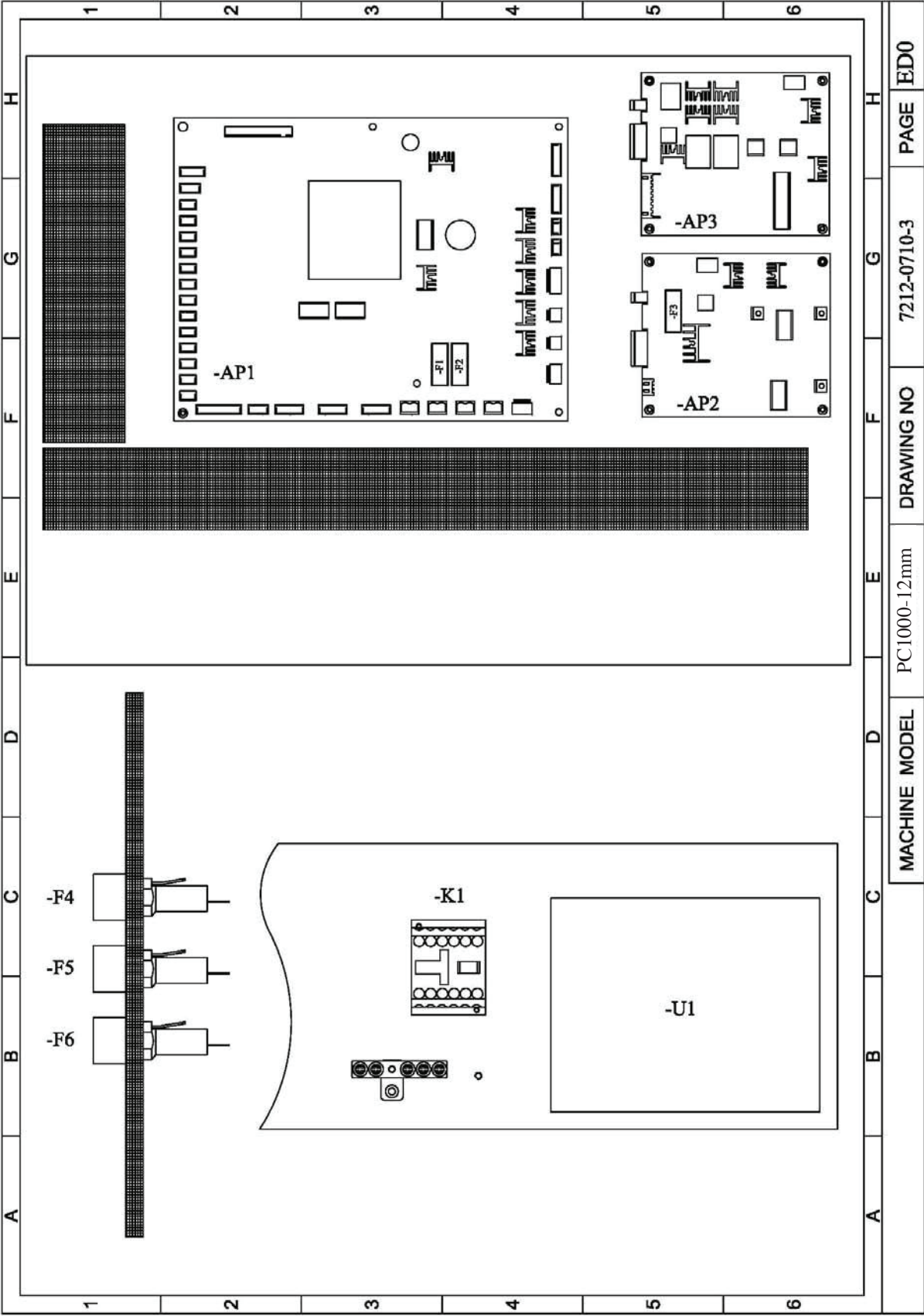
Get machine ready for operation again, strap one bundle manually several times, paying attention to malfunctions.

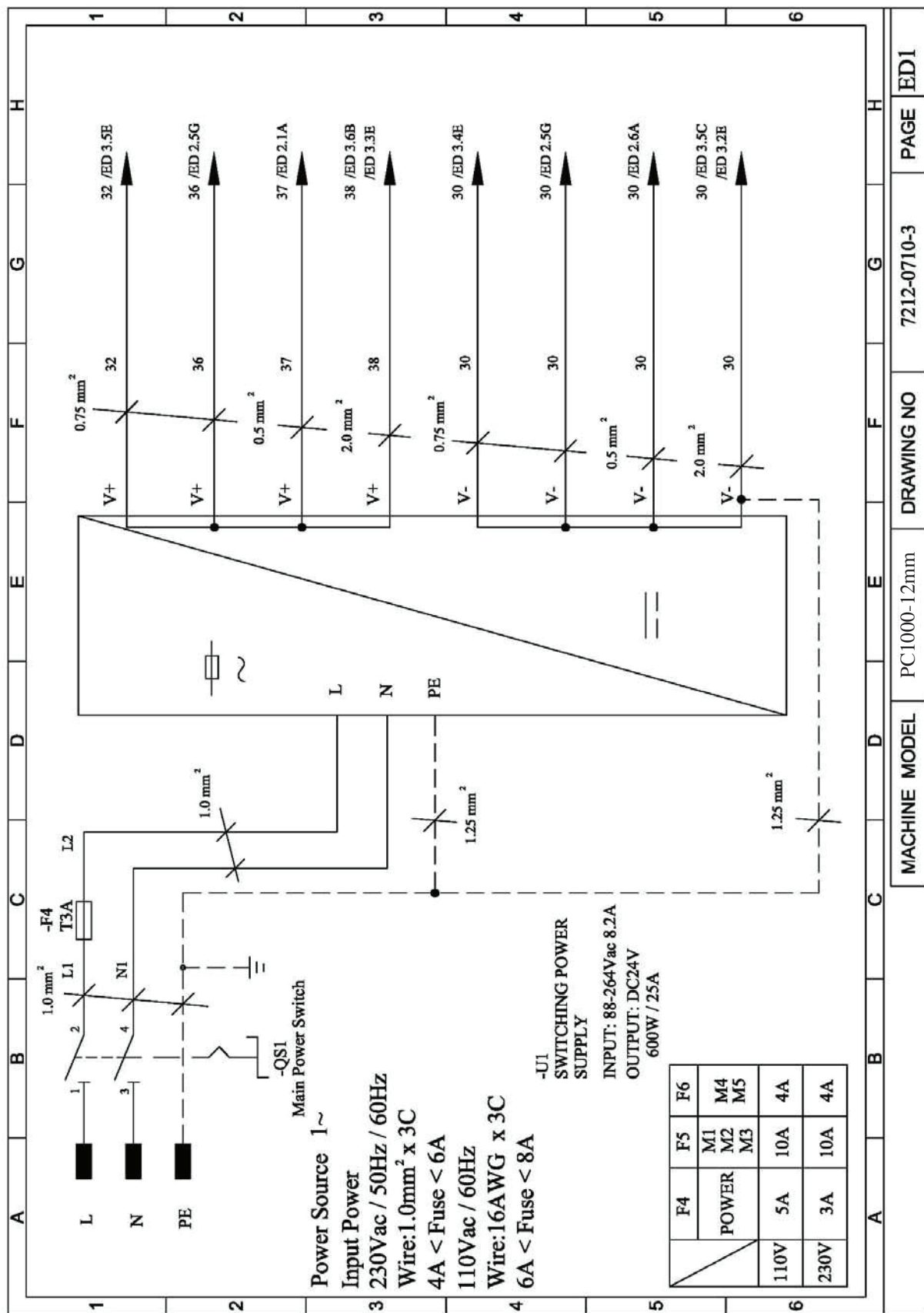


shape	classification	shape	classification
	HBS		ER
	TMS		RR
	PMS		SR
	FMS		SP
	HB		BR
	THS		MB
	HSS		KYA
	CAP		KYB
	HN		KYC
	WN		HBW
	FLG		PWA $\phi 8 \times \phi 12 \sim \phi 16 \times 0.4 \sim 0.8t$ $\phi 6 \times \phi 13 \sim \phi 14 \times 0.8 \sim 1.5t$
	NTE		PWB $\phi 8 \times \phi 14 \sim \phi 16 \times 1.3 \sim 1.5t$ $\phi 6 \times \phi 15 \sim \phi 16 \times 1.0 \sim 1.5t$
	PN		PWC $\phi 8 \times \phi 20 \sim \phi 23 \times 2.0t$ $\phi 6 \times \phi 16 \sim \phi 19 \times 2.0t$
	PW		DS
	SW		TTP
	TW		FTP
	BWW		

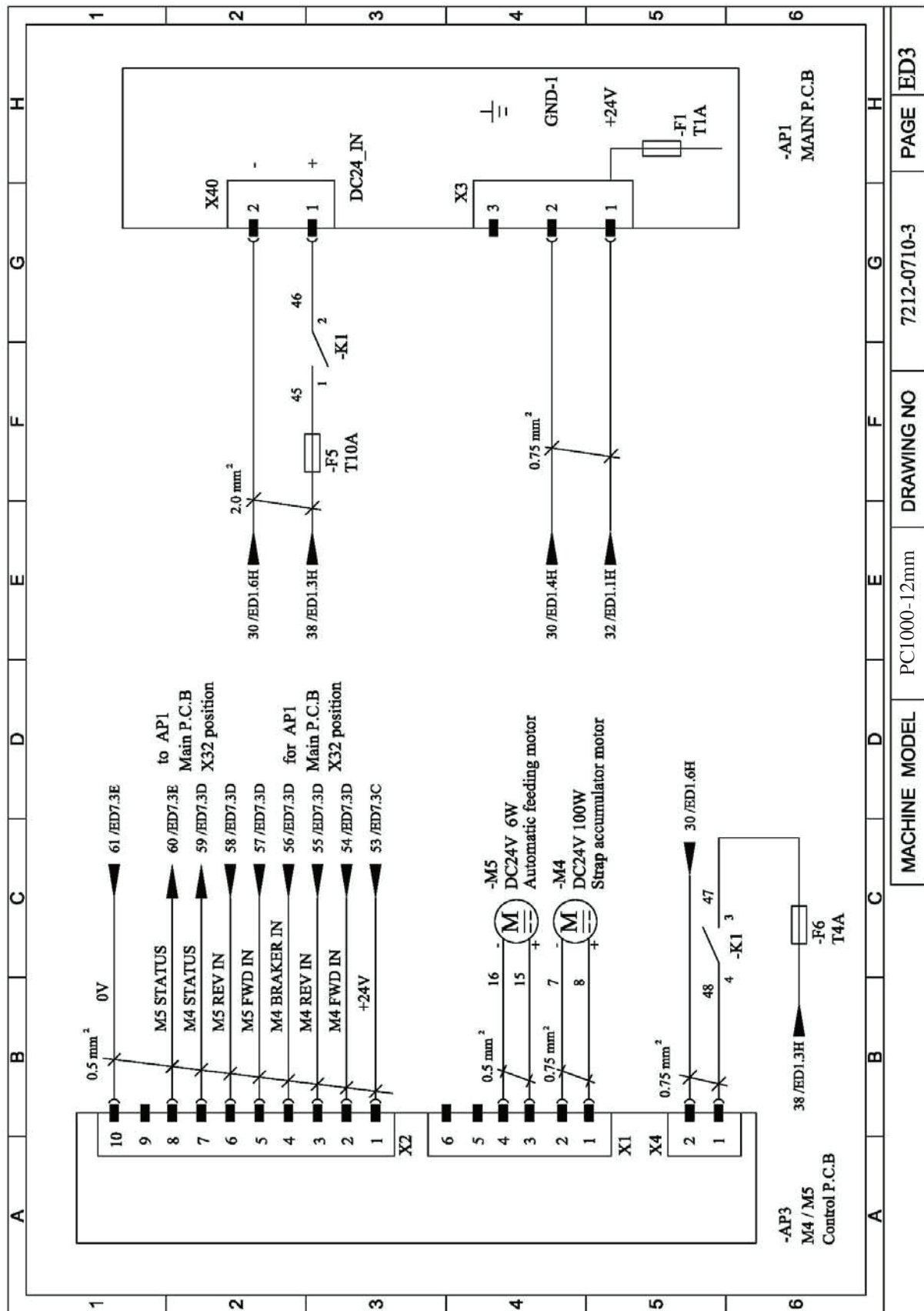
# **PART II**

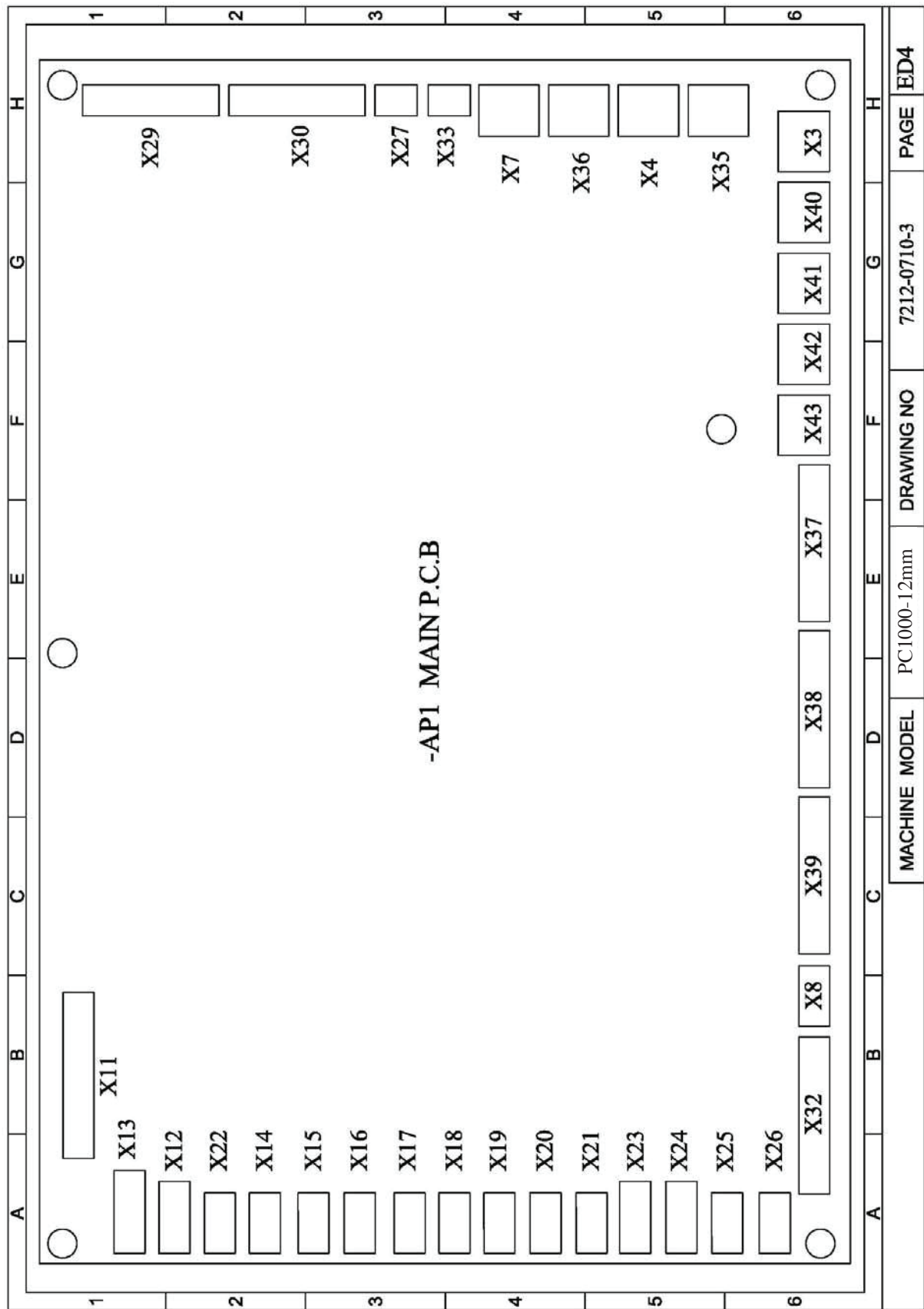
1. Wiring Diagram

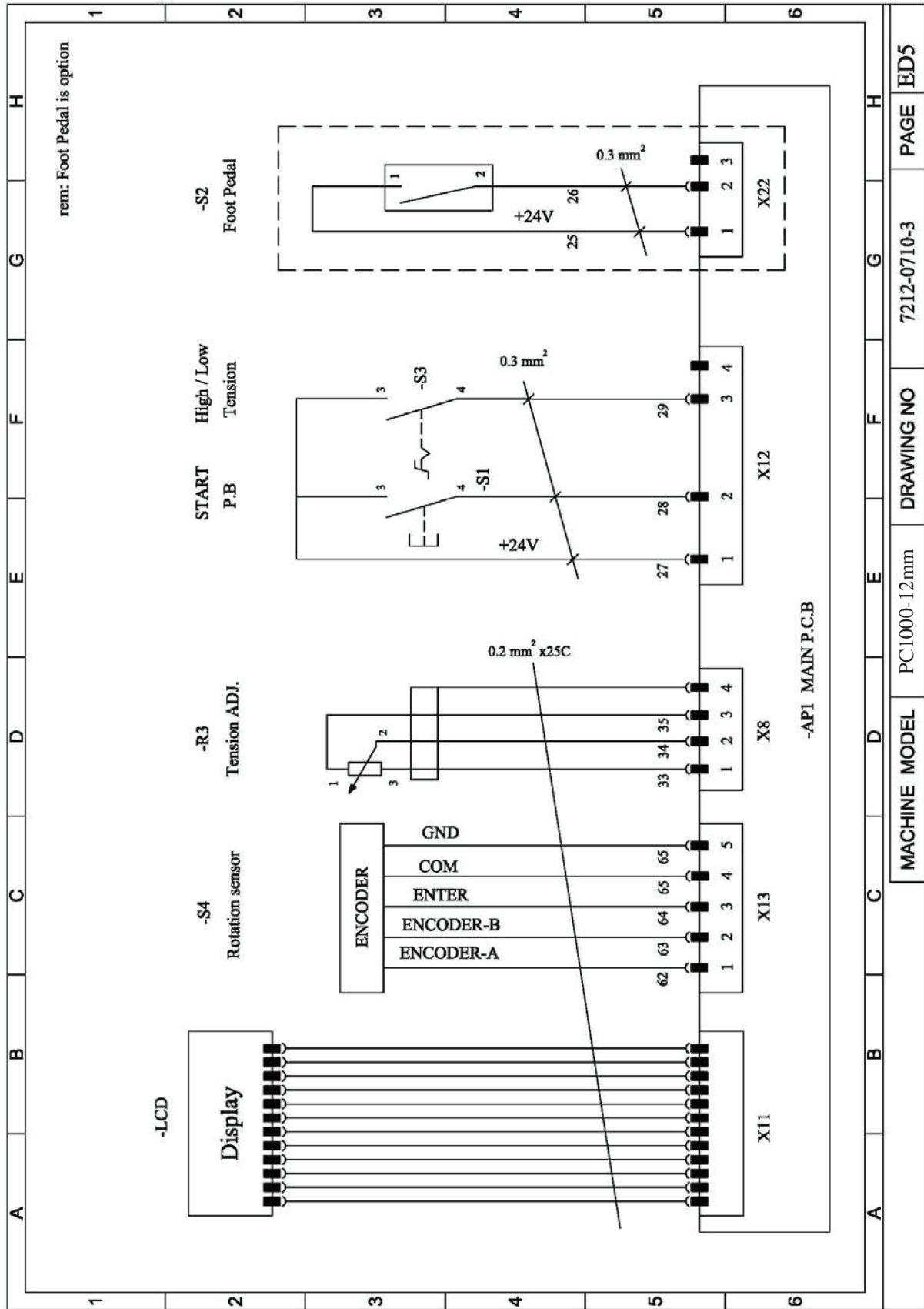




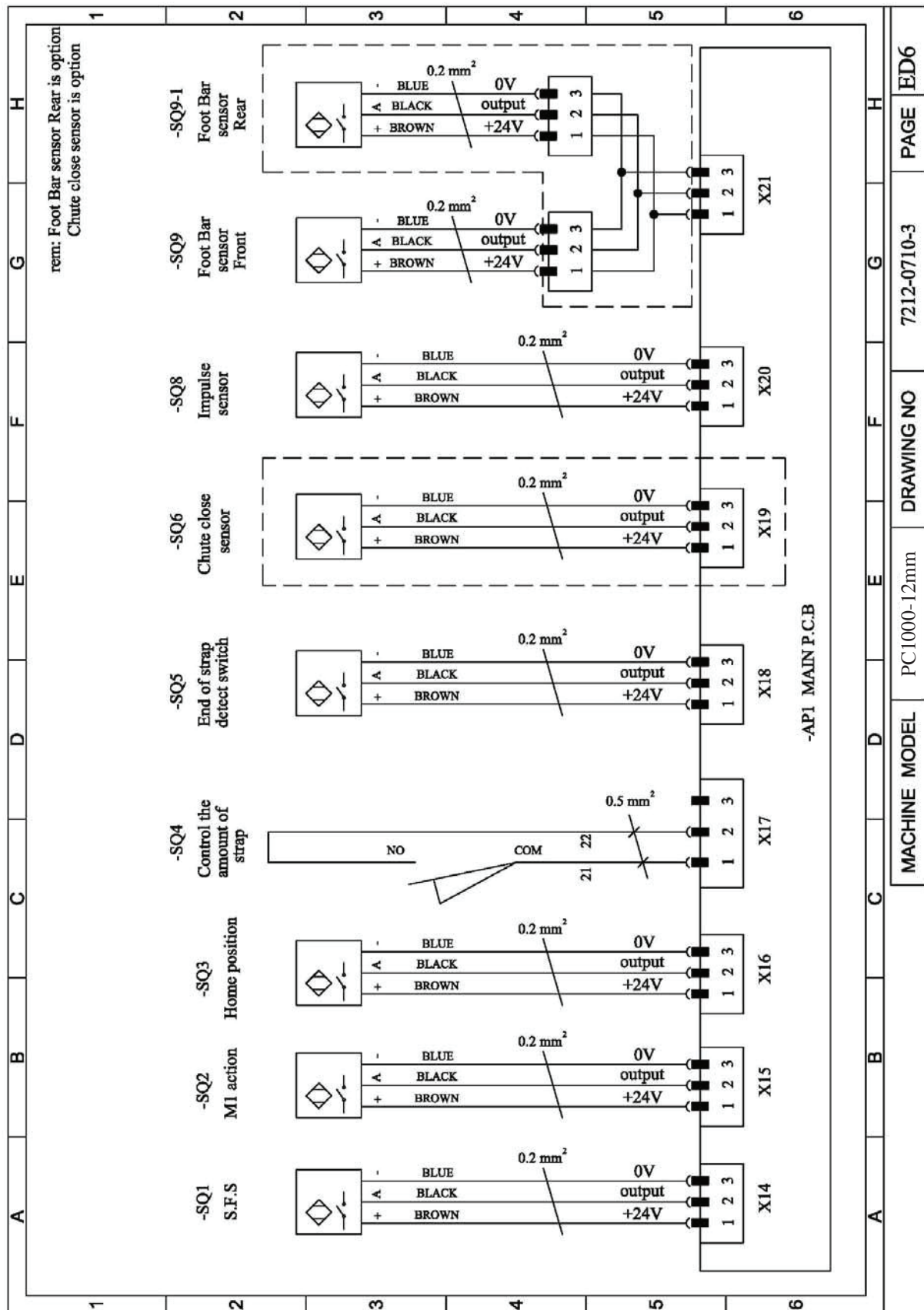


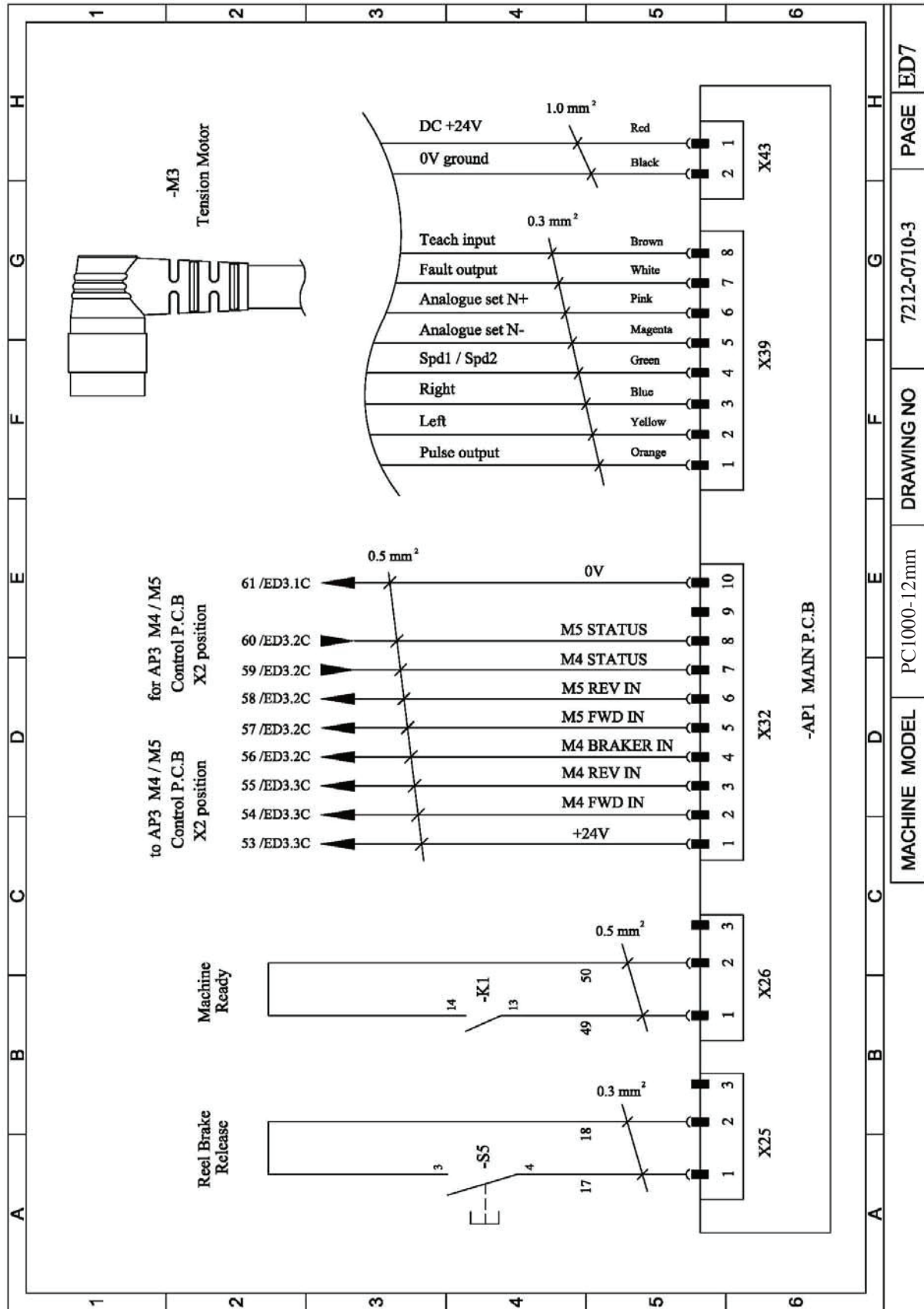


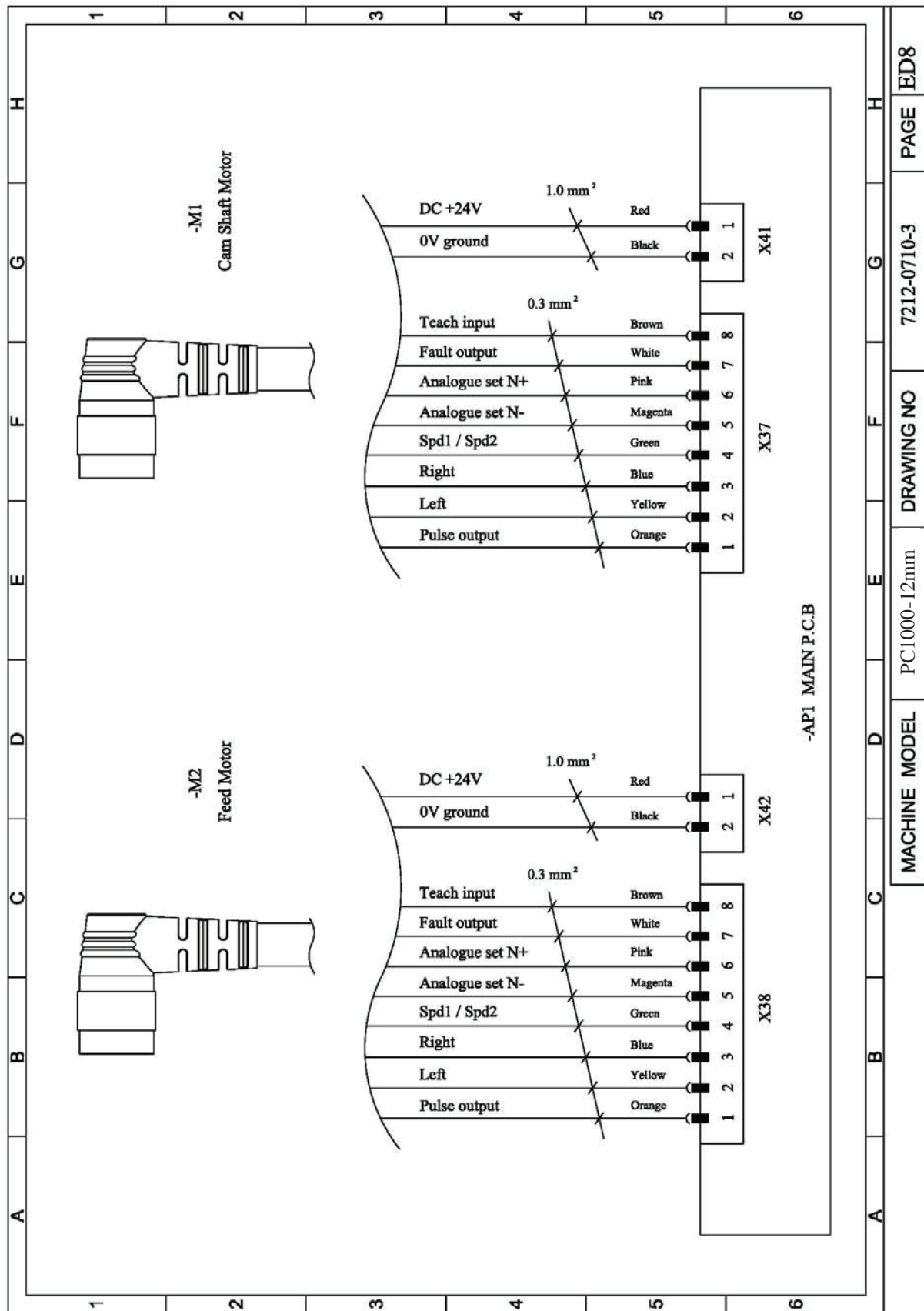


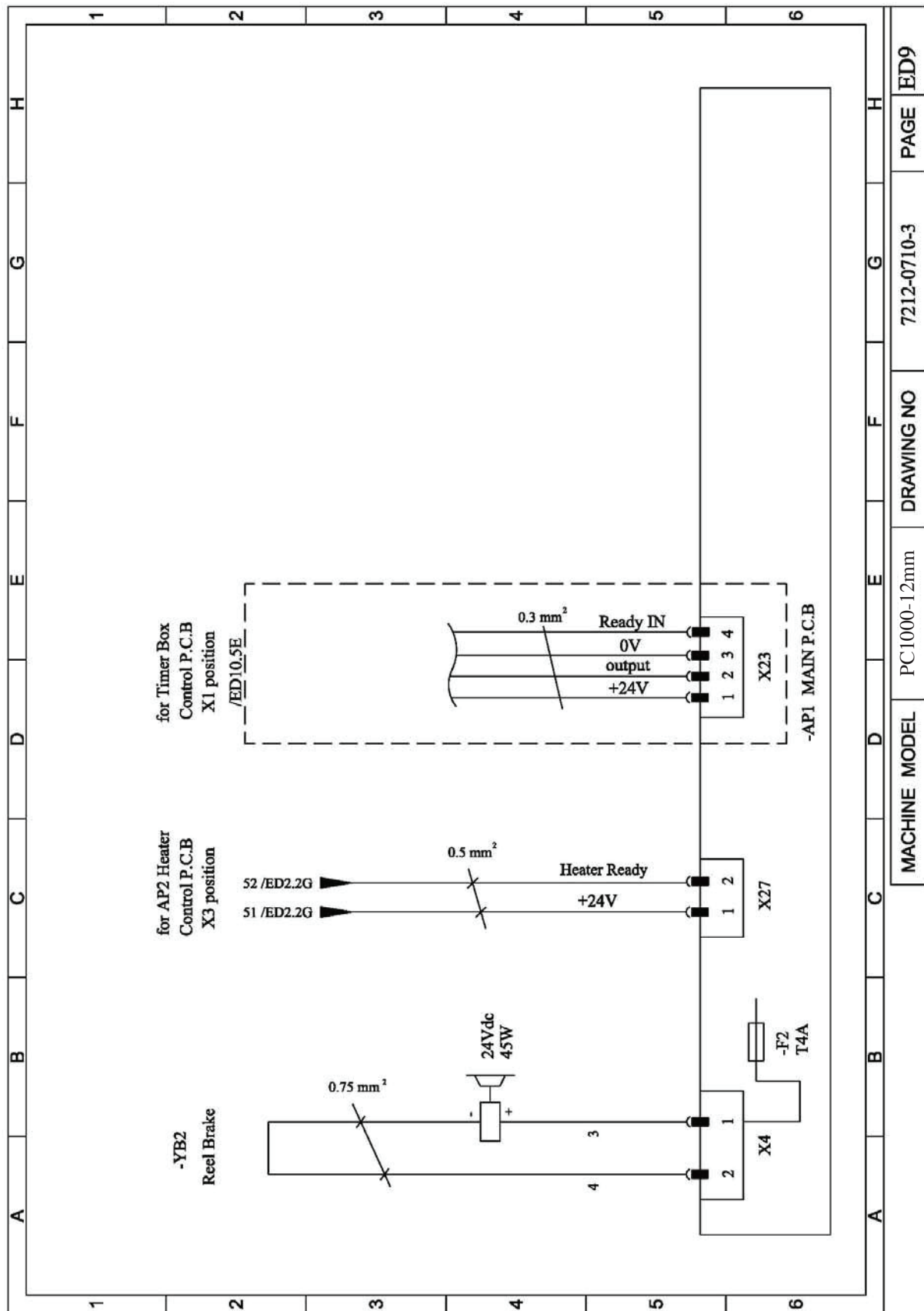


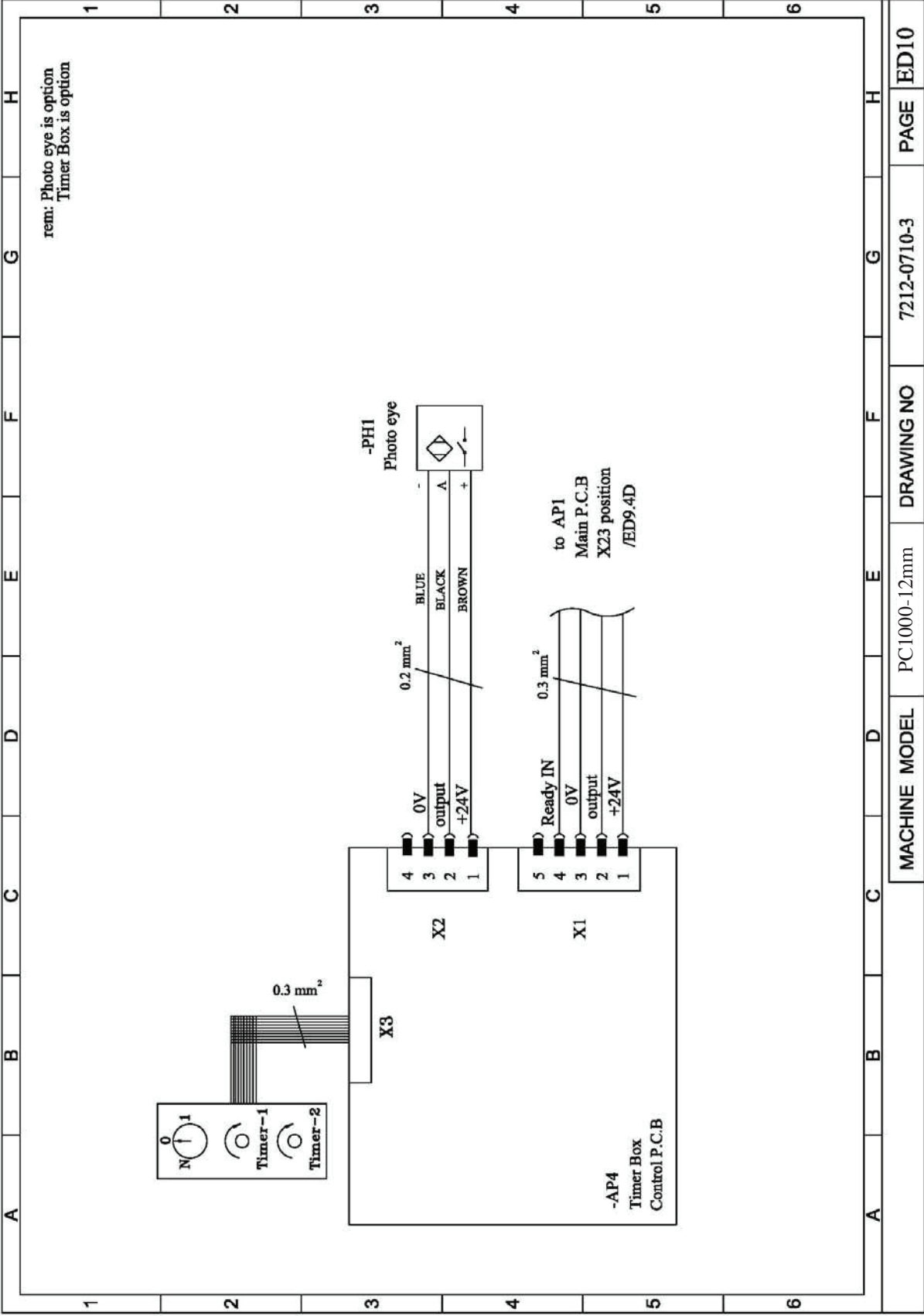










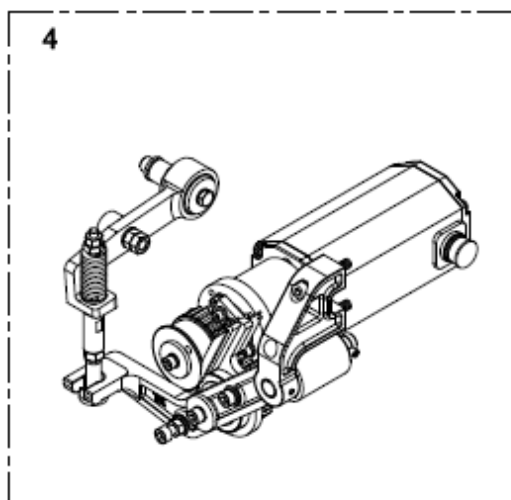
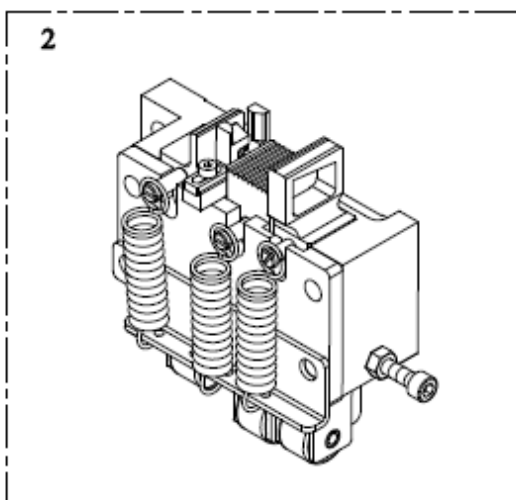
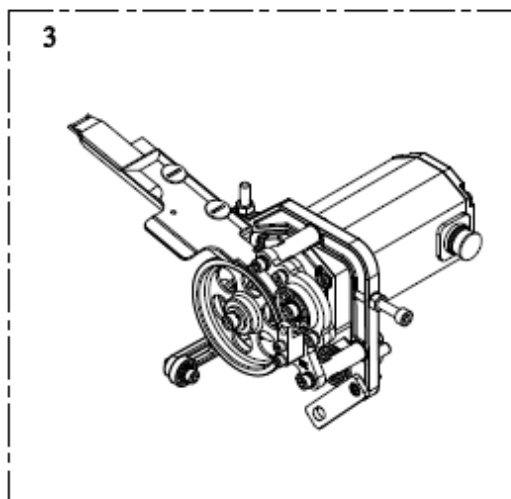
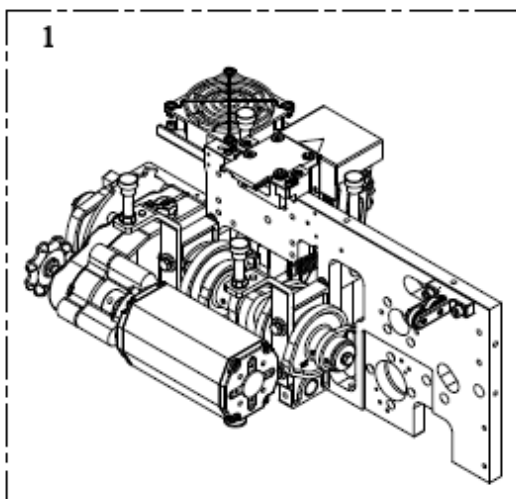
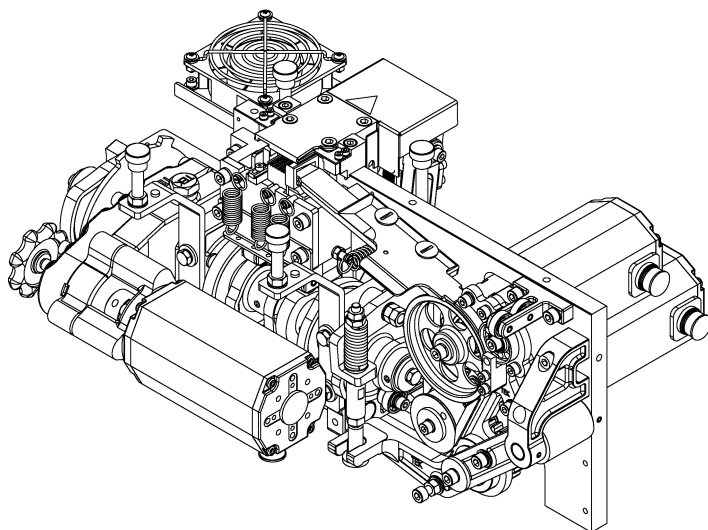


# PART III

1

# STRAPPING HEAD UNIT

M7-1-900051



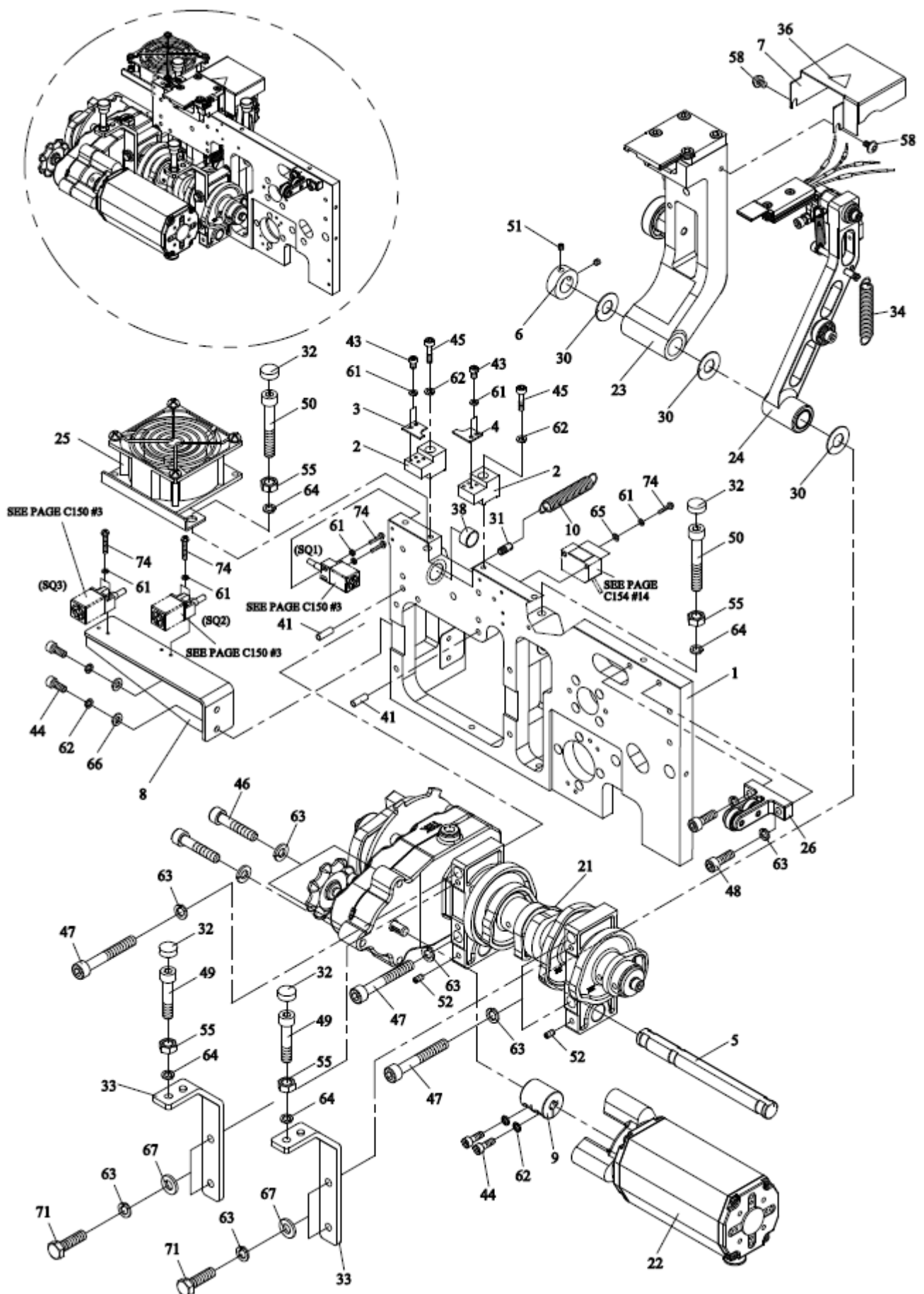
**1**

## STRAPPING HEAD UNIT

**M7-1-900051**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
1	M7-1-100011	Cam Group	1	(SEE PG. C3) X
2	M7-1-200000	Bar Guide Group	1	(SEE PG. C19) 191709
3	M7-1-300021	Feed Group	1	(SEE PG. C27) X
4	M7-1-400021	Tension Group	1	(SEE PG. C37) X





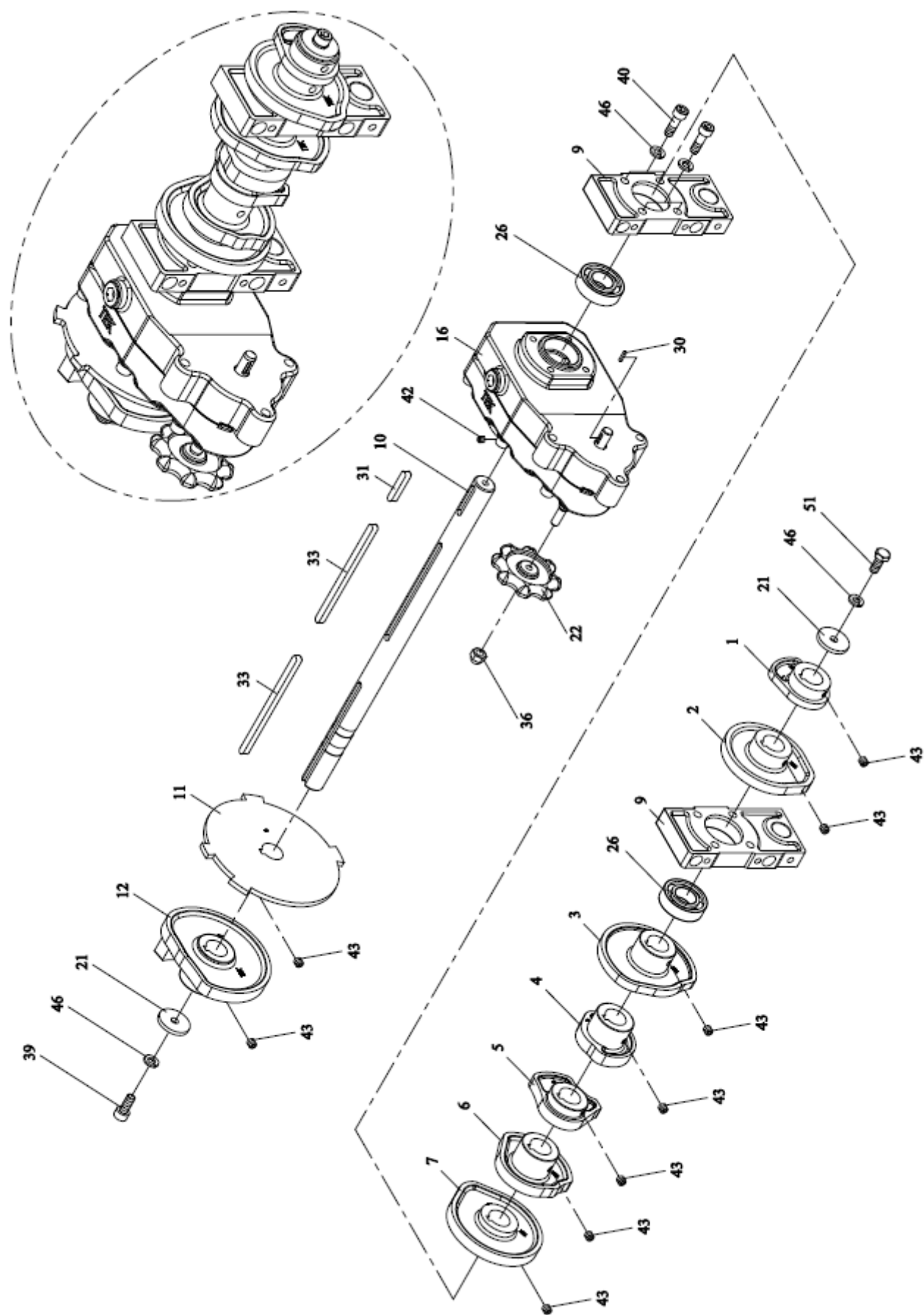
**1-1****CAM GROUP****M7-1-100011**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P QO
1	M7-1-101100	Strapping Head Frame	1	X
2	M7-1-101200	Guide	2	191655
3	M7-1-101300	Ejector Plate (L)	1	191500
4	M7-1-101400	Ejector Plate (R)	1	191496
5	M7-1-101500	Shaft	1	X
6	M7-1-101600	Collar	1	X
7	M7-1-101700	Cover	1	191582
8	M7-1-101800	Sensor Base	1	X
9	M7-1-101900	Coupling	1	X
10	M7-1-102000	Spring	1	191474
21	M7-1-110001	Gear Box and Cam Ass'y	1	SEE PAGE C7 X
22	M7-1-120000	M1 Motor Ass'y	1	SEE PAGE C9 X
23	M7-1-130000	Slide Table Frame Ass'y	1	(SEE PG. C11) 191637
24	M7-1-140000	Heater Arm Ass'y	1	SEE PAGE C13
25	M7-1-150000	Exhaust Fan Ass'y	1	(SEE PG. C15) 191658
26	T7-1-16000	Block Ass'y	1	SEE PAGE C17 X
30	H42-1227	Washer	3	205661
31	TA-089	Spring Hook	1	202019
32	T7-1-10330	Bumper	4	191554
33	T7-1-10360	Bumper Bracket	2	X
34	T7-1-64130	Return Spring	1	191488
36	LA-40002	Label	1	X
38	MB1515	Metal Bushing, 1515	1	191507
41	SP0514	Spring Pin, 5×14	2	X
43	HBS0308N	HBS, M3×8 (N)	4	191497
44	HBS0516N	HBS, M5×16 (N)	4	191700
45	HBS0525HN	HBS, M5×25 (H)(N)	2	X
46	HBS0640HN	HBS, M6×40 (H)(N)	3	X
47	HBS0645HN	HBS, M6×45 (H)(N)	4	X
48	HBS0620N	HBS, M6×20 (N)	2	191726
49	HBS0840HN	HBS, M8×40 (H)(N)	2	X
50	HBS0865HN	HBS, M8×65 (H)(N)	2	X
51	HSS0506GN	HSS, M5×6 (G)(N)	2	191584
52	HSS0610GN	HSS, M6×10 (G)(N)	2	187433
55	HN08	HN, M8	4	187490
58	THS0508N	THS, M5×8 (N)	2	191579

**1-1****CAM GROUP****M7-1-100011**

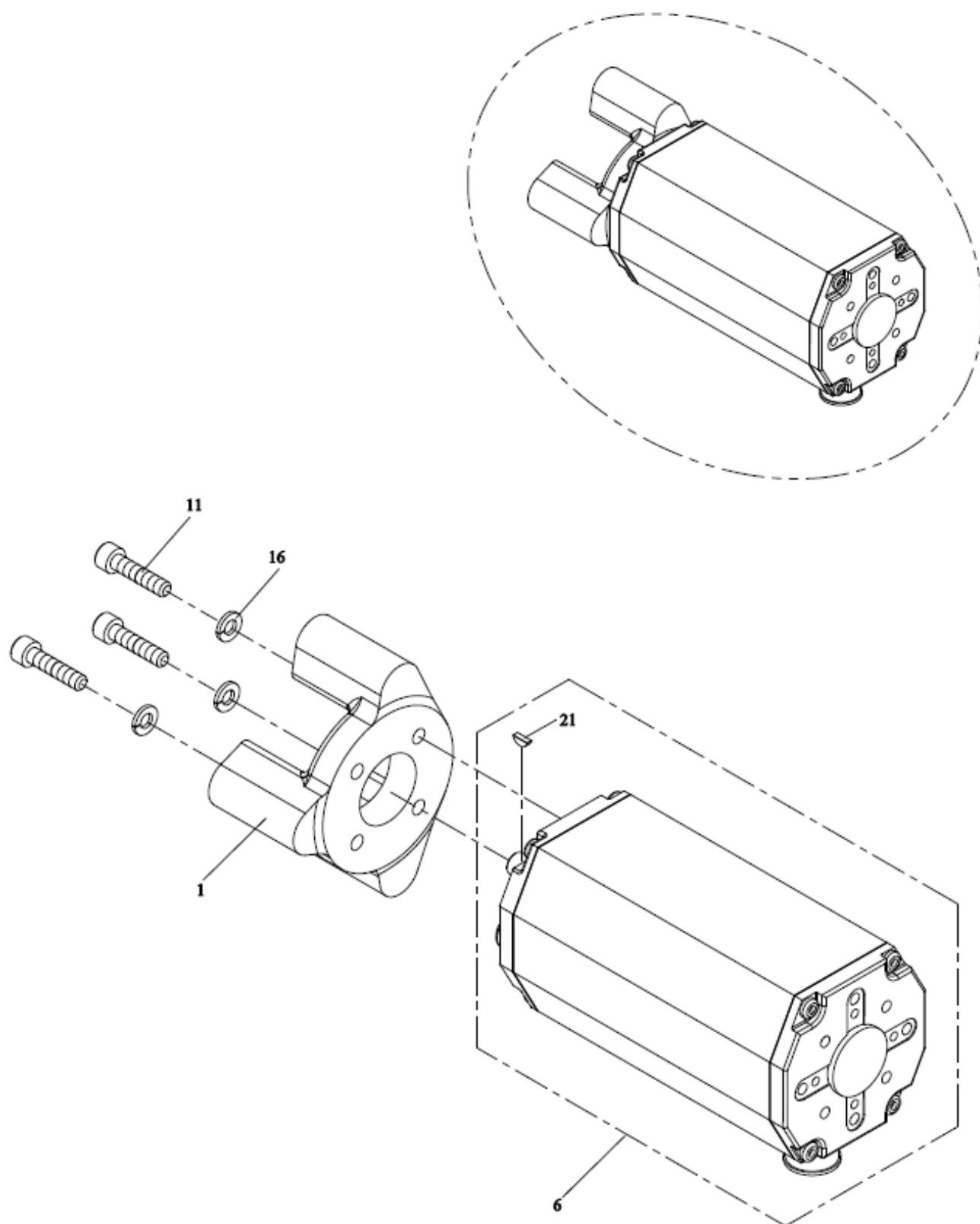
REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
61	SW03	SW, M3	10	191590
		SW, M3 (Option)	12	
62	SW05	SW, M5	6	191577
63	SW06	SW, M6	13	191562
64	SW08	SW, M8	4	191759
65	PW03	PW, M3 (Option)	2	187560
66	PW05	PW, M5	2	191578
67	PW06C	PW, M6 (C)	4	191561
71	HB0620	HB, M6×20	4	X
74	PMS0320	PMS, M3×20	6	191663
		PMS, M3×20 (Option)	8	





**1-1-1****GEAR BOX AND CAM ASS'Y****M7-1-110001**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P QO
1	M7-1-111100	Retracting Cam	1	X
2	M7-1-111200	Tension Cam	1	X
3	M7-1-111300	Heater Cam	1	X
4	M7-1-111400	Front Bar Cam	1	X
5	M7-1-111500	Press Bar Cam	1	X
6	M7-1-111600	Rear Bar Cam	1	X
7	M7-1-111701	Slide Table Cam	1	X
9	M7-1-111900	Support	2	X
10	M7-1-112001	Cam Shaft	1	X
11	M7-1-112100	Position Cam	1	X
12	M7-1-112201	Arch Cam	1	X
16	M7-1-110100	Gear Box	1	X
21	TB-223	Washer	2	X
22	T7-1-11240	Handle	1	X
26	BR6003ZZ	Bearing, 6003ZZ	2	187830
30	KYA020210	Key, 2×2×10	1	X
31	KYA050530	Key, 5×5×30	1	X
33	KYA0505101	Key, 5×5×101	2	X
36	CAP06	CAP, M6	1	X
39	HBS0616N	HBS, M6×16 (N)	1	191544
40	HBS0625N	HBS, M6×25 (N)	4	X
42	HSS0505GN	HSS, M5×5 (G)(N)	1	X
43	HSS0606GN	HSS, M6×6 (G)(N)	9	187305
46	SW06	SW, M6	6	191562
51	HB0616	HB, M6×16	1	191612



**1-1-2****M1 MOTOR ASS'Y****M7-1-120000**

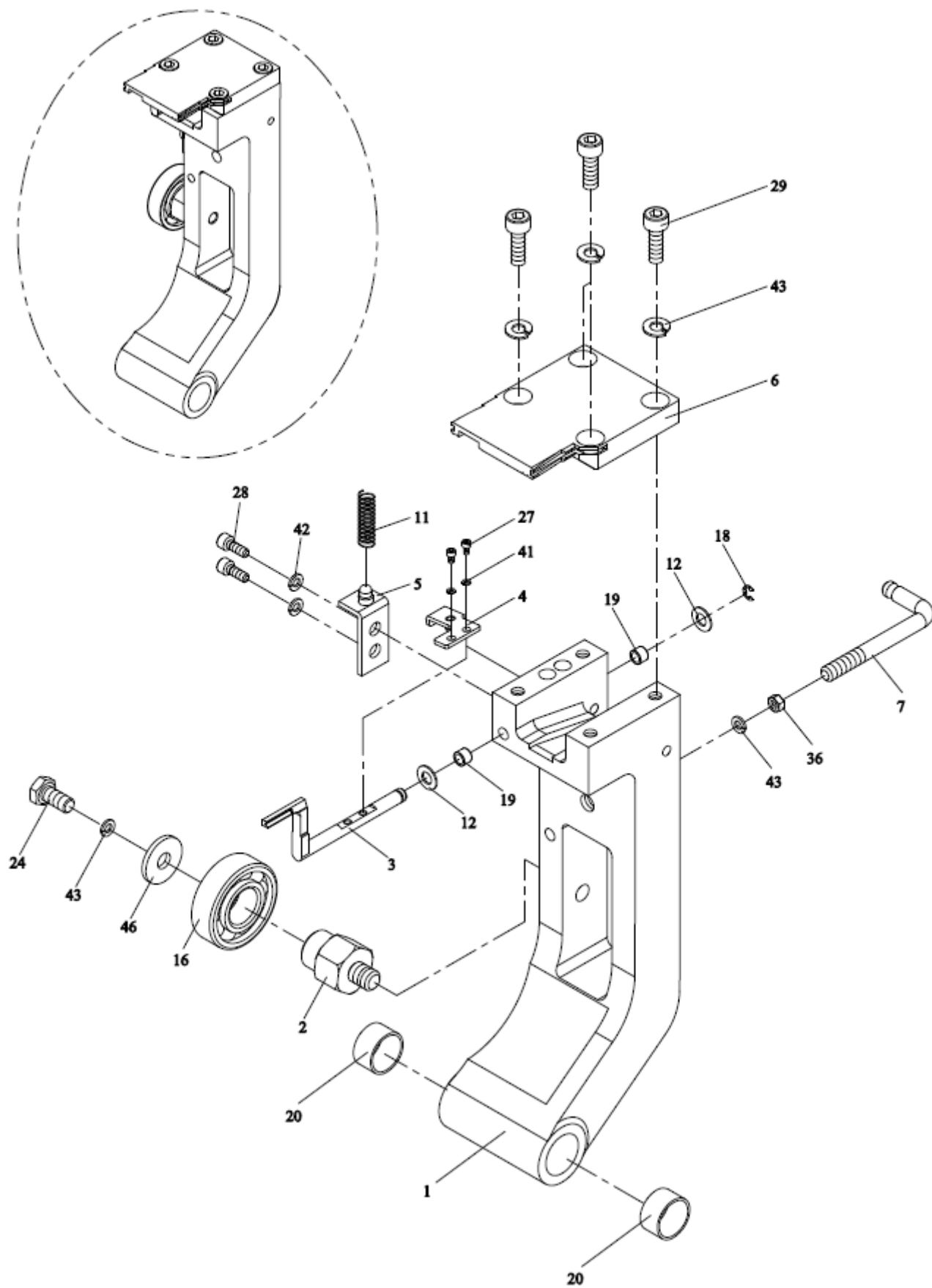
REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
1	M7-1-121100	Gear Box Support	1	205946
6	M7-1-221100	M1 Motor	1	191535
11	HBS0520N	HBS, M5×20 (N)	4	191665
16	SW05	SW, M5	4	191577
21	KYC0210	Key, 2×10	1	X



1-1-3

# SLIDE TABLE FRAME ASS'Y

M7-1-130000

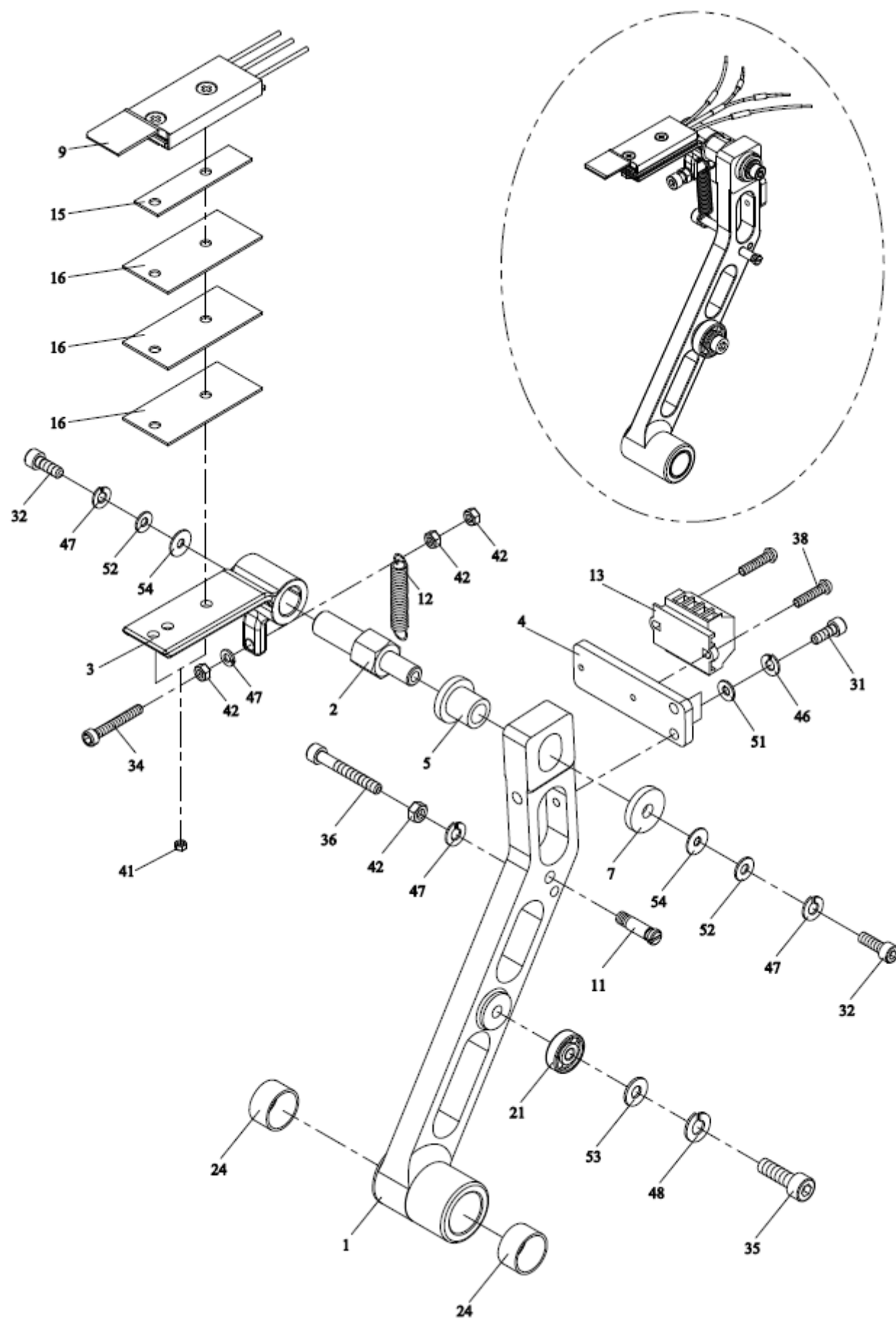


## 1-1-3

## SLIDE TABLE FRAME ASS'Y

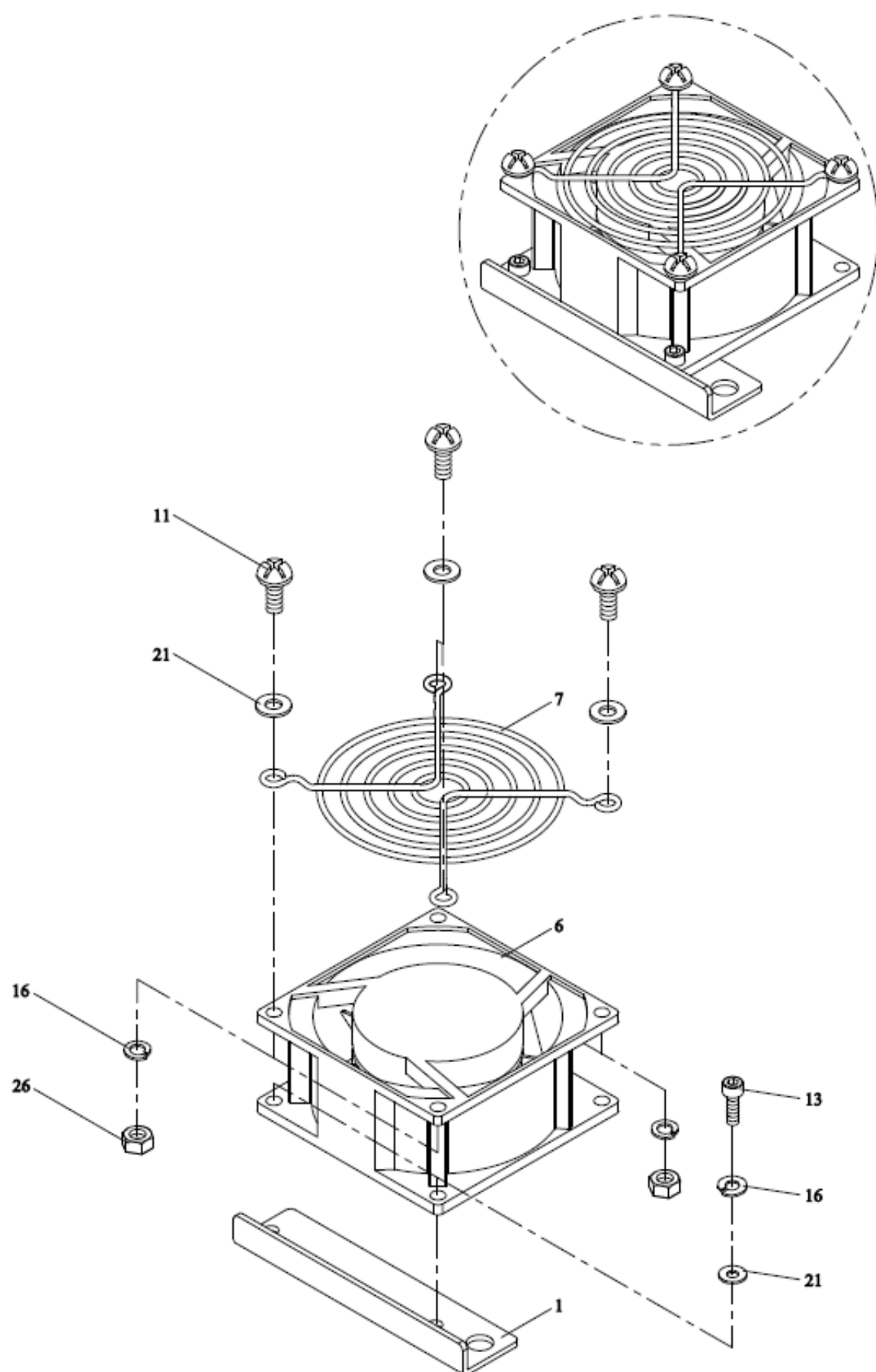
## M7-1-130000

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQNJ EJ GO 'P QO
1	M7-1-131101	Slide Table Frame	1	191543
2	M7-1-131200	Shaft	1	X
3	M7-1-131300	Switch Lever	1	191542
4	M7-1-131400	Sensor Plate	1	191528
5	M7-1-131500	Spring Base	1	191545
6	M7-1-131600	Slide Table	1	191490
	M7-1-131600S	Slide Table (Stainless Steel Model)(Option)	1	191721
7	M7-1-131700	Spring Hook	1	X
11	T7-1-10140	Spring	1	191492
12	T7-3-40470	Washer	2	<b>191504</b>
16	BR6202ZZ	Bearing, 6202ZZ	1	191283
18	ER04	Snap Ring, E-4	1	191505
19	MB0508	Metal Bushing, 0508	2	<b>191506</b>
20	MB1515	Metal Bushing, 1515	2	191507
24	HB0612	HB, M6×12	1	205333
27	HBS0306N	HBS, M3×6 (N)	2	191589
28	HBS0512N	HBS, M5×12 (N)	2	190848
29	HBS0616N	HBS, M6×16 (N)	4	191544
36	HN06	HN, M6	1	191611
41	SW03	SW, M3	2	191590
42	SW05	SW, M5	2	191577
43	SW06	SW, M6	6	191562
46	PW06C	PW, M6 (C)	1	191561



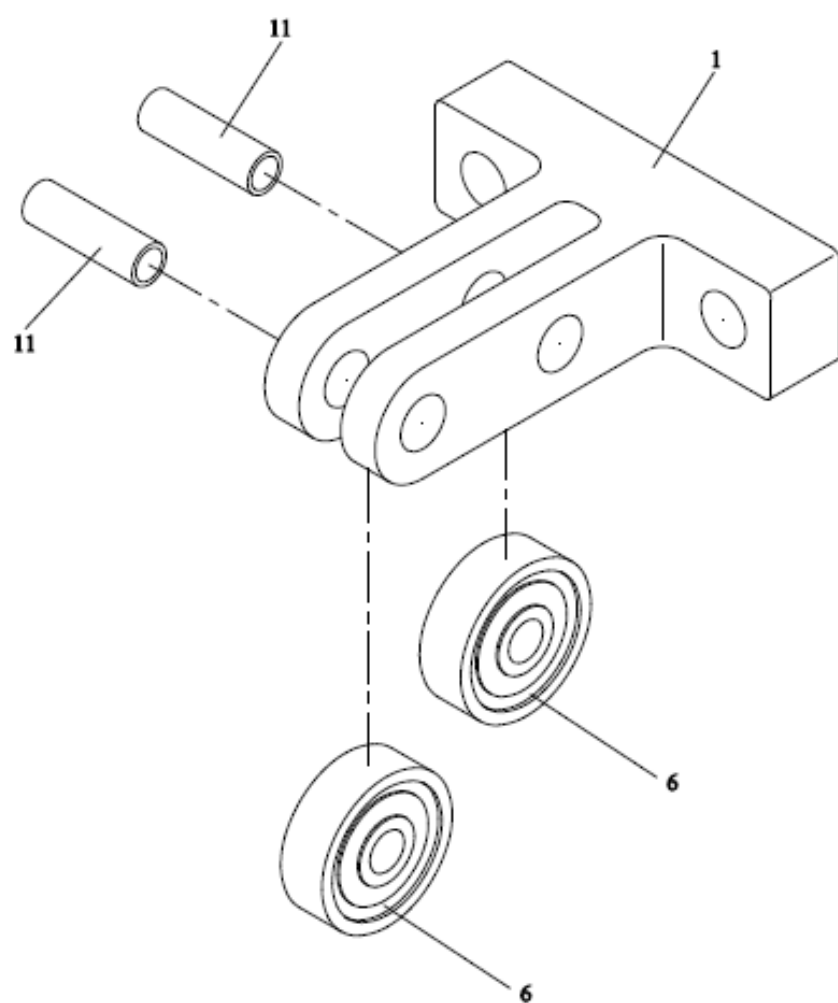
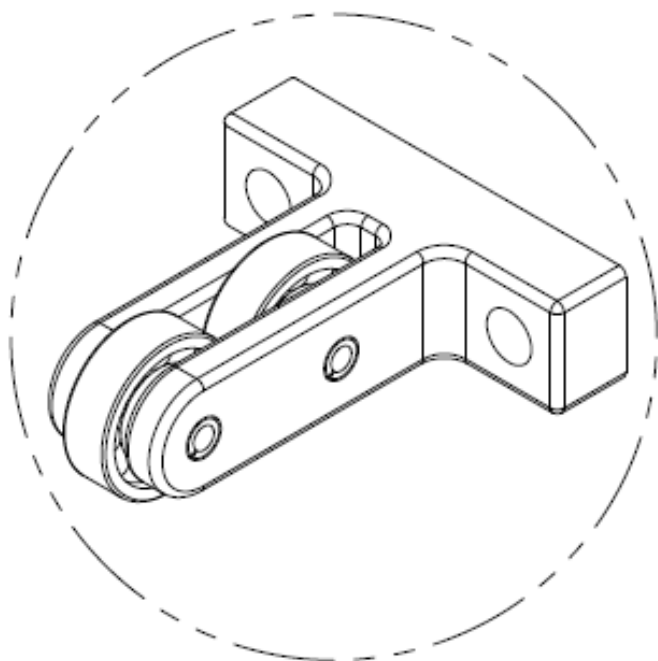
**1-1-4**
**HEATER ARM ASS'Y**
**M7-1-140000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P QO
1	M7-1-141100	Heater Crank	1	X
2	M7-1-141200	Heater Shaft	1	198854
	M7-1-141200S	Heater Shaft (Stainless Steel Model)(Option)	1	X
3	M7-1-141300	Heater Bracket	1	202387
	M7-1-141300S	Heater Bracket (Stainless Steel Model)(Option)	1	X
4	M7-1-141400	Terminal Bracket	1	191731
5	M7-1-141500	Isolator	1	191593
7	WA-030501	Washer (Ø5.5× Ø 18 t=3)	1	198855
9	M7-1-140100	Heater Set	1	<b>191476</b>
11	TA-073	Spring Hook	1	191747
12	TB-115	Spring	1	191515
13	T5-1-12451	Heater Terminal	1	191732
15		Heater-Insulation	1	
16	T7-1-12412	Heater-Insulation	3	191499
21	BR636ZZ	Bearing, 636ZZ	1	191690
24	MB1515	Metal Bushing, 1515	2	191507
31	HBS0412N	HBS, M4×12 (N)	2	191682
32	HBS0512N	HBS, M5×12 (N)	2	<b>190848</b>
34	HBS0530N	HBS, M5×30 (N)	1	X
35	HBS0620N	HBS, M6×20 (N)	1	191726
36	HBS0540HN	HBS, M5×40 (H)(N)	1	X
38	PMS0310	PMS, M3×10	2	191802
41	HN04S	HN, M4 (SUS)	2	205397
42	HN05	HN, M5	4	187478
47	SW05	SW, M5	4	191577
48	SW06	SW, M6	1	191562
51	PW04	PW, M4	2	187428
52	PW05	PW, M5	2	191578
53	PW06A	PW, M6 (A)	1	191612
54	PW06C	PW, M6 (C)	2	191561



**1-1-5****EXHAUST FAN ASS'Y****M7-1-150000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
1	M7-1-151100	Fan Bracket	1	X
6	T5-1-12370	Fan	1	191765
7	T7-6-10930	Fan Cover	1	204021
11	TMS0412	TMS, M4×12	4	X
13	HBS0410N	HBS, M4×10 (N)	2	X
16	SW04	SW, M4	6	X
21	PW04	PW, M4	6	187428
26	HN04	HN, M4	4	191604



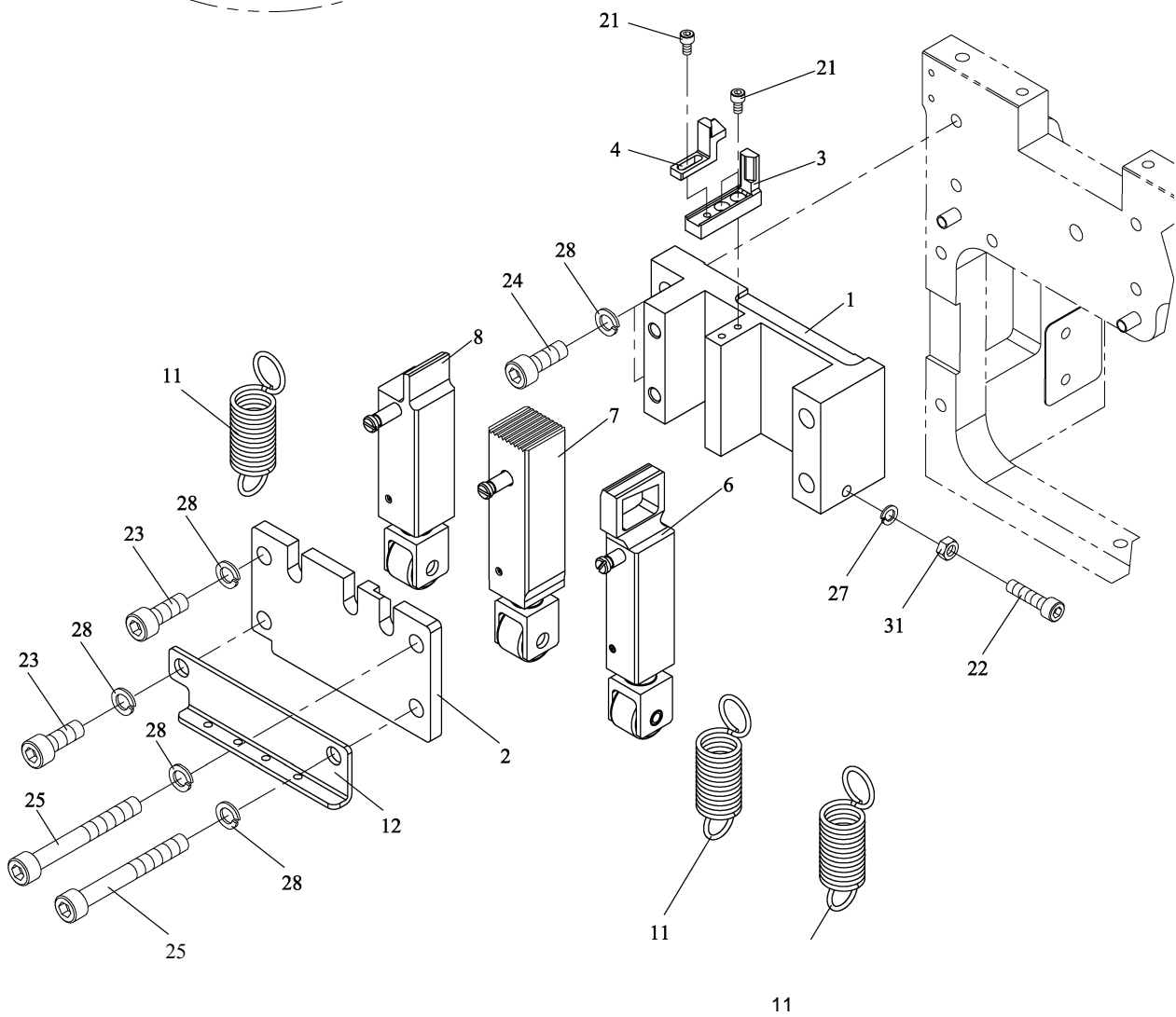
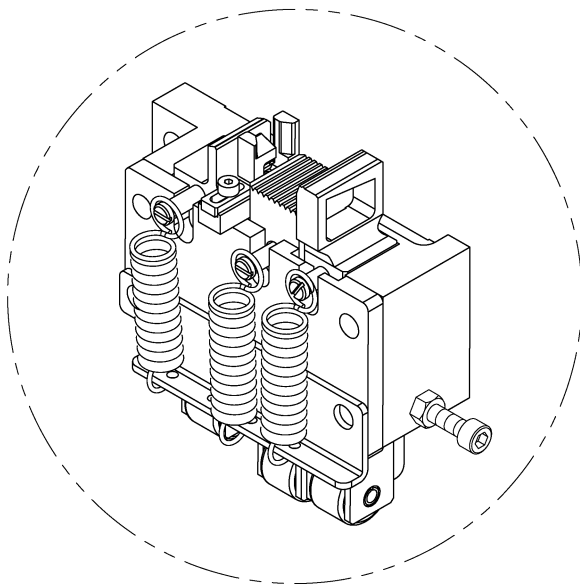
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## BLOCK ASS'Y

**T7-1-16000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQNI EJ GO 'P Q0
1	T7-1-10890	Block	1	X
6	BR635ZZ	Bearing, 635ZZ	2	187778
11	SP0516	Spring Pin, 5×16	2	205337





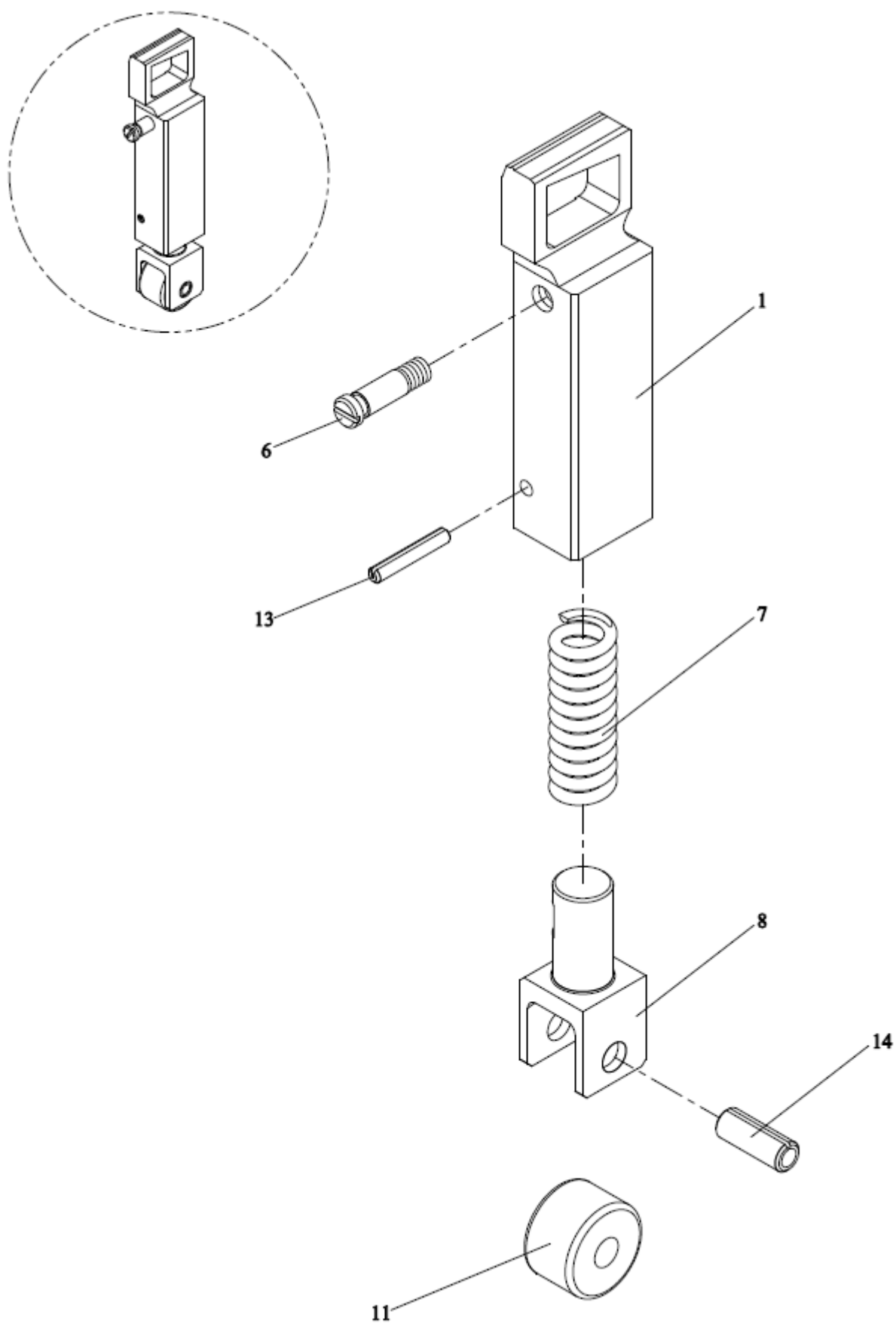
**1-2****BAR GUIDE GROUP****M7-1-200000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQNJ EJ GO 'P Q0
1	M7-1-201100	Bar Guide	1	191527
2	M7-1-201200	Bar Guide Lid	1	191724
	M7-1-201200S	Bar Guide Lid (Stainless Steel Model)(Option)	1	191550
3	M7-1-201300	Cutter Holder	1	191626
	M7-1-201300EN	Cutter Holder (Stainless Steel Model)(Option)	1	191549
4	M7-1-201400	Strap Guide	1	191512
	M7-1-201400EN	Strap Guide (Stainless Steel Model)(Option)	1	191657
6	M7-1-210001	Front Bar Ass'y	1	(SEE PG.C21) 191477
	M7-1-210001S	Front Bar Ass'y (Stainless Steel Model)(Option)	1	191614
7	M7-1-220000	Press Bar Ass'y	1	(SEE PAGE C23) 191478
	M7-1-220000S	Press Bar Ass'y (Stainless Steel Model)(Option)	1	191615
8	M7-1-230000	Rear Bar Ass'y	1	(SEE PAGE C25) 191525
	M7-1-230000S	Rear Bar Ass'y (Stainless Steel Model)(Option)	1	191616
11	TA-071	Return Spring	3	191479
12	T7-1-10180	Spring Hook	1	191725
21	HBS0308N	HBS, M3×8 (N)	3	191497
22	HBS0520N	HBS, M5×20 (N)	1	191665
23	HBS0616N	HBS, M6×16 (N)	2	191544
24	HBS0620N	HBS, M6×20 (N)	2	191726
25	HBS0650HN	HBS, M6×50 (H)(N)	2	191727
27	SW05	SW, M5	1	191577
28	SW06	SW, M6	6	191562
31	HN05	HN, M5	1	187478

1-2-1

FRONT BAR ASS'Y

M7-1-210001



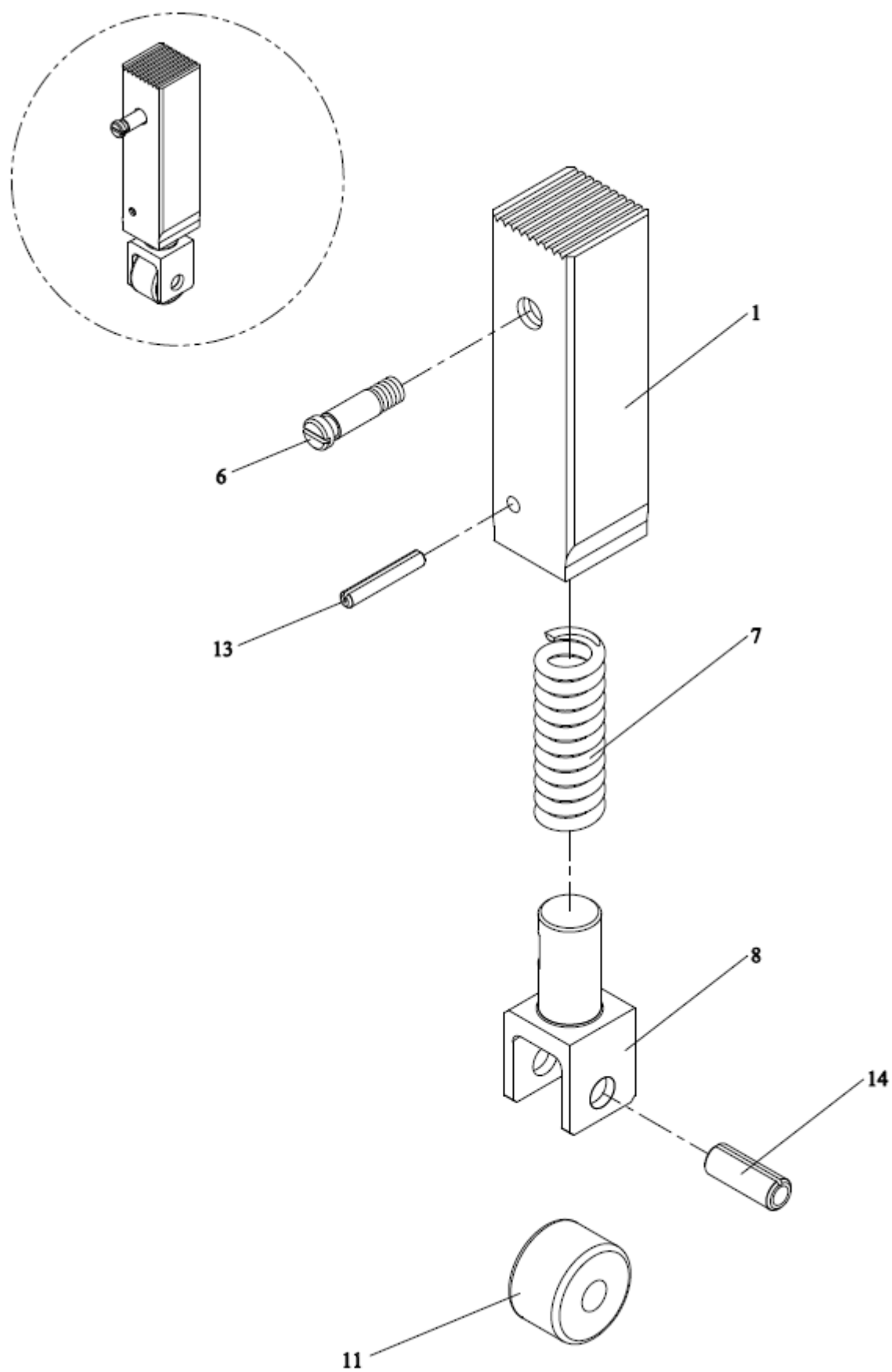
**1-2-1****FRONT BAR ASS'Y****M7-1-210001**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
1	M7-1-210001	Front Bar Ass'y	1	191477
	M7-1-210001S	Front Bar Ass'y (Stainless Steel Model)(Option)	1	191614
	M7-1-211101	Front Bar	1	191602
	M7-1-211101S	Front Bar (Stainless Steel Model)(Option)	1	X
6	TA-073	Spring Hook	1	191747
7	TA-078	Spring	1	191516
8	T7-1-13121	Plunger	1	191654
11	BRNART6VR	Bearing, NART6VR	1	191644
13	SP0318	Spring Pin, 3×18	1	190797
14	SP0616	Spring Pin, 6×16	1	191698

1-2-2

# PRESS BAR ASS'Y

M7-1-220000



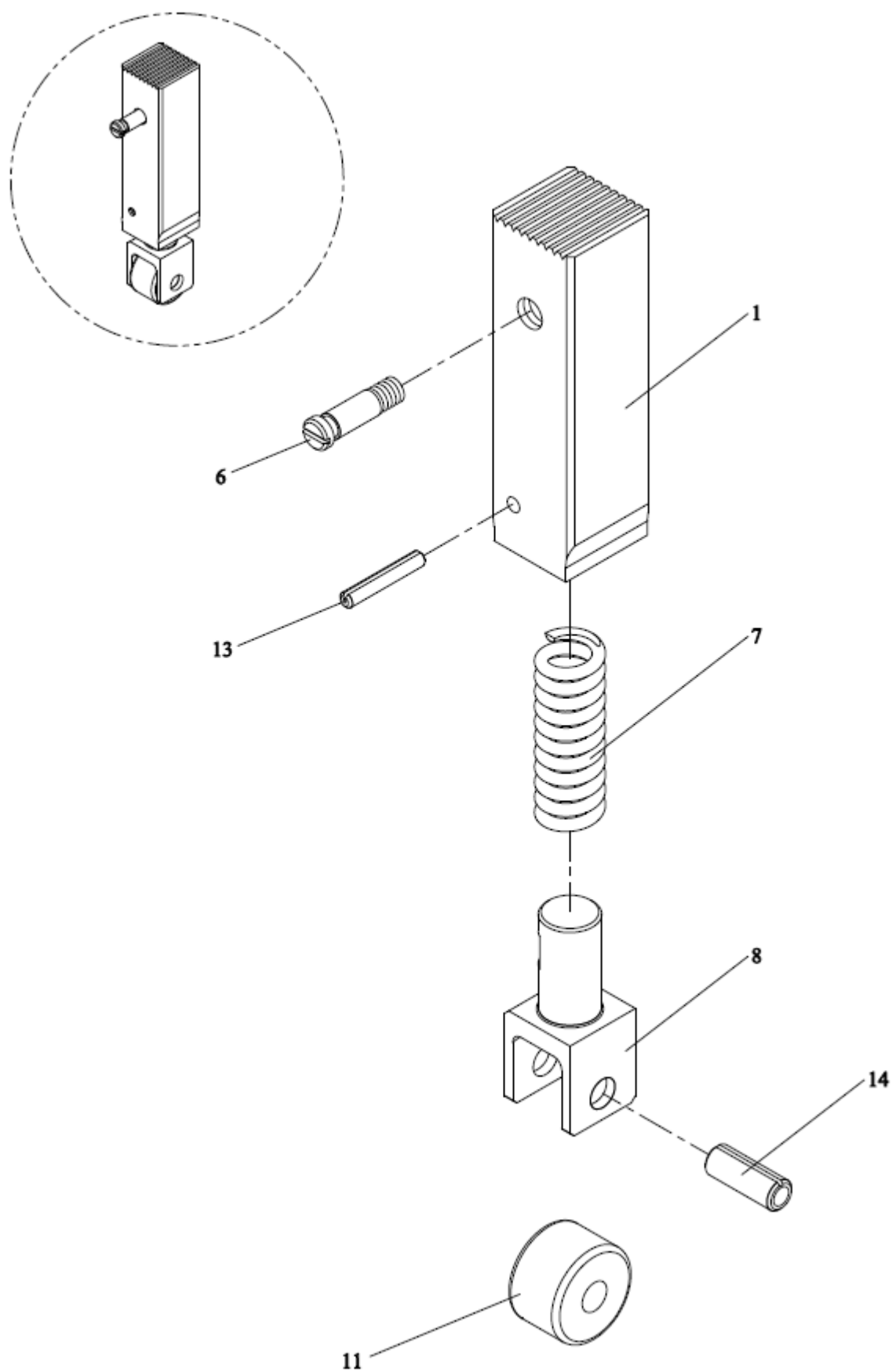
**1-2-2****PRESS BAR ASS'Y****M7-1-220000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
1	M7-1-220000	Press Bar Ass'y	1	191478
	M7-1-220000S	Press Bar Ass'y (Stainless Steel Model)(Option)	1	191615
	M7-1-221200	Press Bar	1	191633
	M7-1-221200S	Press Bar (Stainless Steel Model)(Option)	1	X
6	TA-073	Spring Hook	1	191747
7	TA-078	Spring	1	191516
8	T7-1-13121	Plunger	1	191654
11	BRNART6VR	Bearing, NART6VR	1	191644
13	SP0318	Spring Pin, 3×18	1	190797
14	SP0616	Spring Pin, 6×16	1	191698

1-2-3

# REAR BAR ASS'Y

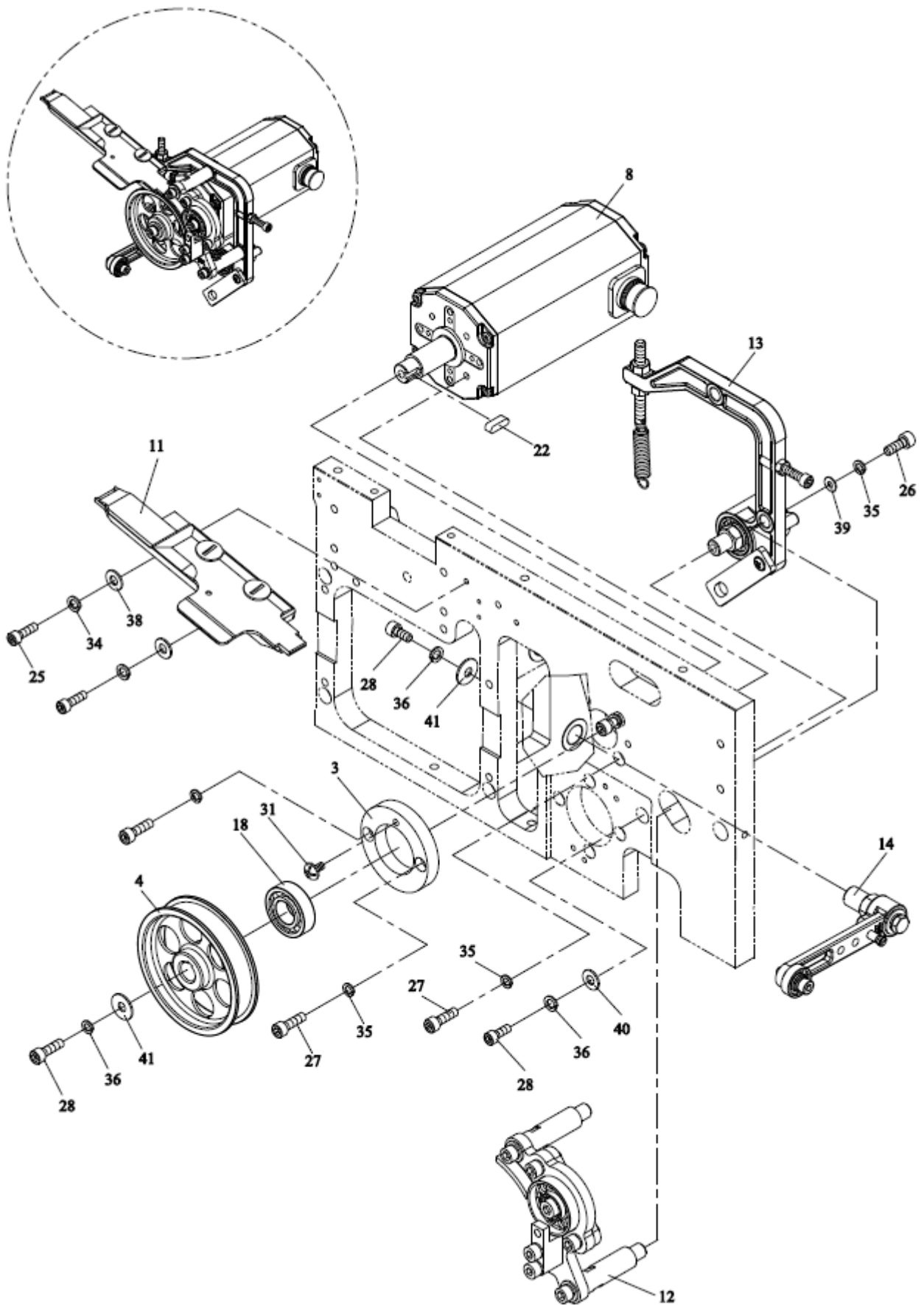
M7-1-230000



**1-2-3****REAR BAR ASS'Y****M7-1-230000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
1	M7-1-230000	Rear Bar Ass'y	1	191525
	M7-1-230000S	Rear Bar Ass'y (Stainless Steel Model)(Option)	1	191616
	M7-1-231100	Rear Bar	1	191685
	M7-1-231100S	Rear Bar (Stainless Steel Model)(Option)	1	X
6	TA-073	Spring Hook	1	191747
7	TA-078	Spring	1	191516
8	T7-1-13121	Plunger	1	191654
11	BRNART6VR	Bearing, NART6VR	1	191644
13	SP0318	Spring Pin, 3×18	1	190797
14	SP0616	Spring Pin, 6×16	1	191698





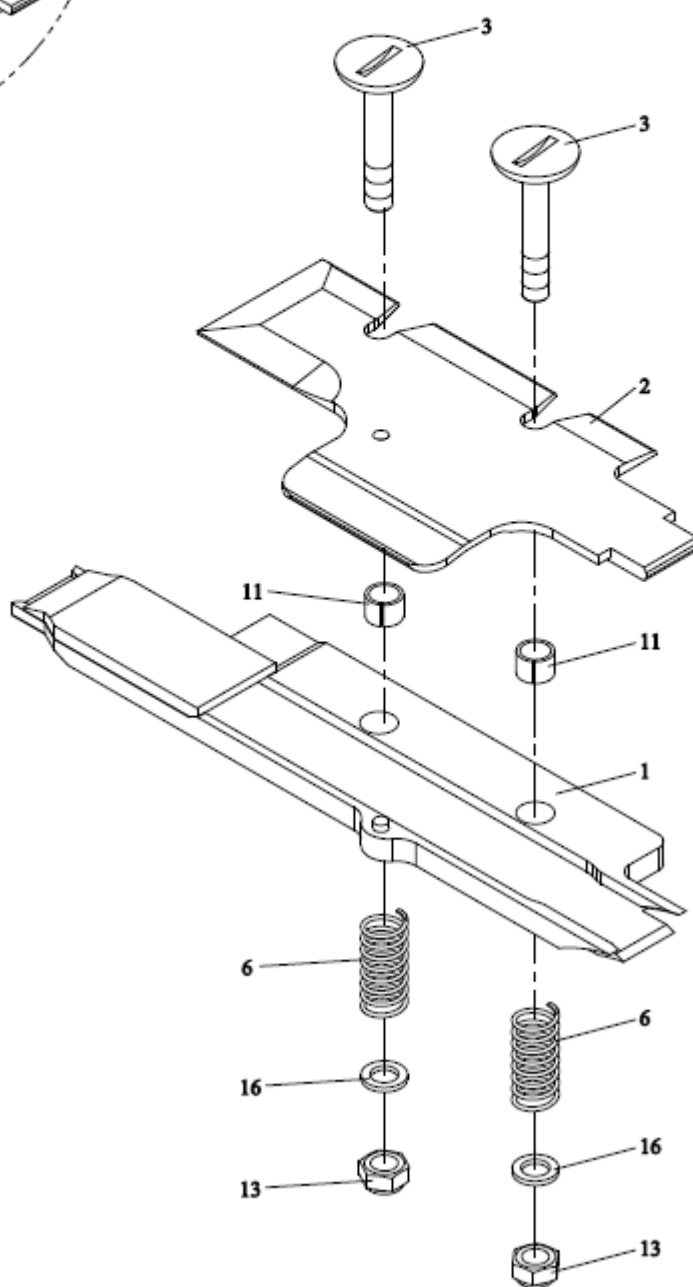
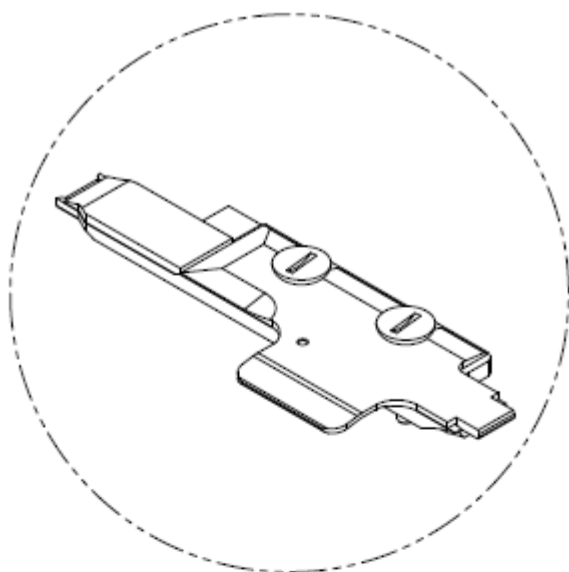
**1-3****FEED GROUP****M7-1-300021**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
3	M7-1-301300	Bearing Housing	1	1918124
4	M7-1-301420	Guide Wheel	1	191822
8	M7-1-300100	Feeding Motor (M2) Set	1	191537
11	M7-1-310021	Upper Guide Ass'y	1	(SEE PG. C29) 191792
	M7-1-310021S	Upper Guide Ass'y (Stainless Steel Model) (Option)	1	X
12	M7-1-320020	Assistant Roller Ass'y	1	(SEE PG. C31) 191820
13	M7-1-330000	Feeding Arm Ass'y	1	(SEE PG. C33)
14	M7-1-340000	Retracting Arm Ass'y	1	(SEE PG. C35)
18	BR6002ZZ	Bearing, 6002ZZ	1	187782
22	KYA040415	Key, 4×4×15	1	204624
25	HBS0412N	HBS, M4×12 (N)	2	191682
26	HBS0512N	HBS, M5×12 (N)	2	190848
27	HBS0516N	HBS, M5×16 (N)	6	191700
28	HBS0612N	HBS, M6×12 (N)	3	191563
31	TMS0508	TMS, M5×8	1	X
34	SW04	SW, M4	2	X
35	SW05	SW, M5	8	191577
36	SW06	SW, M6	3	191562
38	PW04	PW, M4	2	187428
39	PW05	PW, M5	2	191578
40	PW06A	PW, M6 (A)	1	191612
41	PW06C	PW, M6 (C)	2	191561

1-3-1

UPPER GUIDE ASS'Y

M7-1-310021



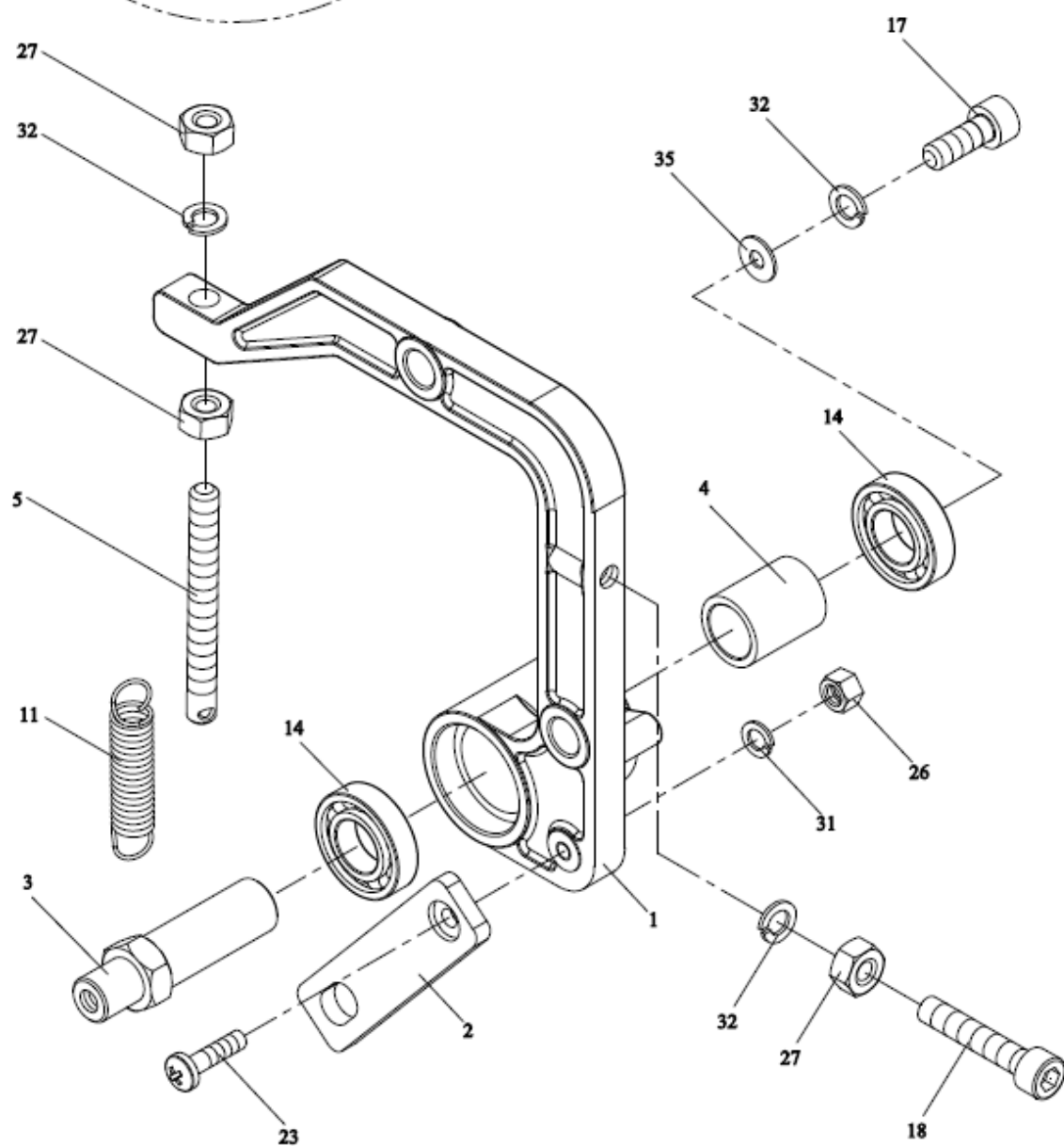
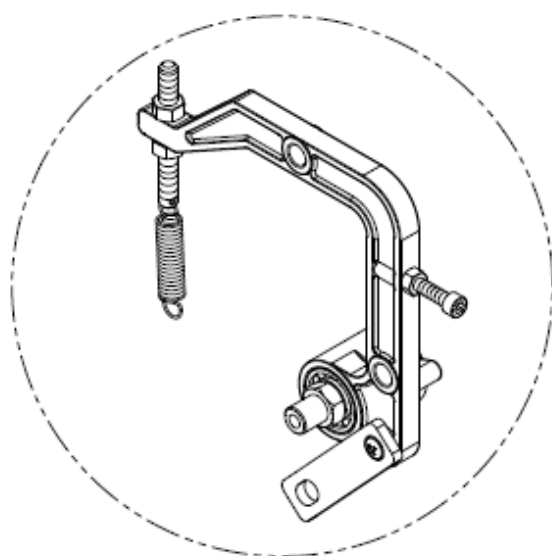
**1-3-1****UPPER GUIDE ASS'Y****M7-1-310021**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
	M7-1-310021	Upper Guide Ass'y	1	191792
	M7-1-310021S	Upper Guide Ass'y (Stainless Steel Model) (Option)	1	X
1	M7-1-311122	Upper Guide	1	202028
	M7-1-311122EN	Upper Guide (Stainless Steel Model)(Option)	1	X
2	M7-1-311221	Cover	1	202780
	M7-1-311221EN	Cover (Stainless Steel Model)(Option)	1	X
3	M7-1-311300	Bolt	2	203604
	M7-1-311300S	Bolt (Stainless Steel Model)(Option)	2	X
6	H44-10940	Spring	2	191650
11	MB0505	Metal Bushing, 0505	2	203607
13	NTE05	NTE, M5	2	191076
16	PW05	PW, M5	2	191578



**1-3-2**
**ASSISTANT ROLLER ASS'Y**
**M7-1-320020**

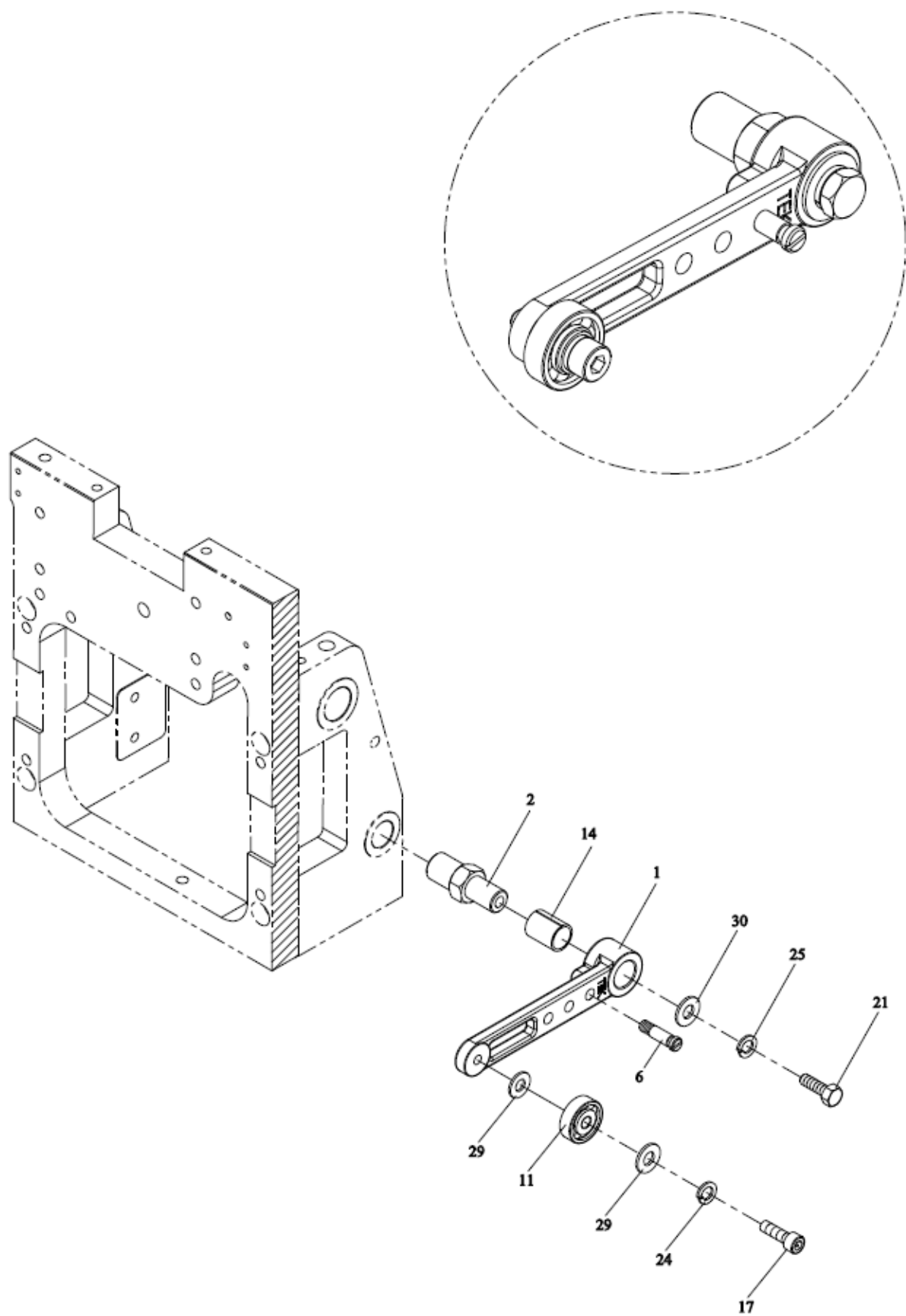
REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
1	M7-1-321120	Assistant Roller Bracket	1	X
	M7-1-321120EN	Assistant Roller Bracket (Stainless Steel Model)(Option)	1	X
2	M7-1-321200	Shaft	2	X
3	M7-1-321300	Assistant Roller Base	1	X
4	M7-1-321420	Assistant Roller	1	191828
5	M7-1-321501	SQ8 Sensor Base	1	205935
6	M7-1-321600	Spacer	1	191599
11	BR686ZZ	Bearing, 686ZZ	2	191598
13	HBS02.512N	HBS, M2.5×12 (N)	1	X
14	HBS0512N	HBS, M5×12 (N)	4	190848
16	HBS0425N	HBS, M4×25 (N)	2	X
17	HBS0620N	HBS, M6×20 (N)	1	191726
19	SW02.5	SW, M2.5	1	X
20	SW04	SW, M4	2	X
21	SW05	SW, M5	4	191577
26	PW05	PW, M5	2	191578
30	HN02.5	HN, M2.5	1	X



**1-3-3****FEEDING ARM ASS'Y****M7-1-330000**

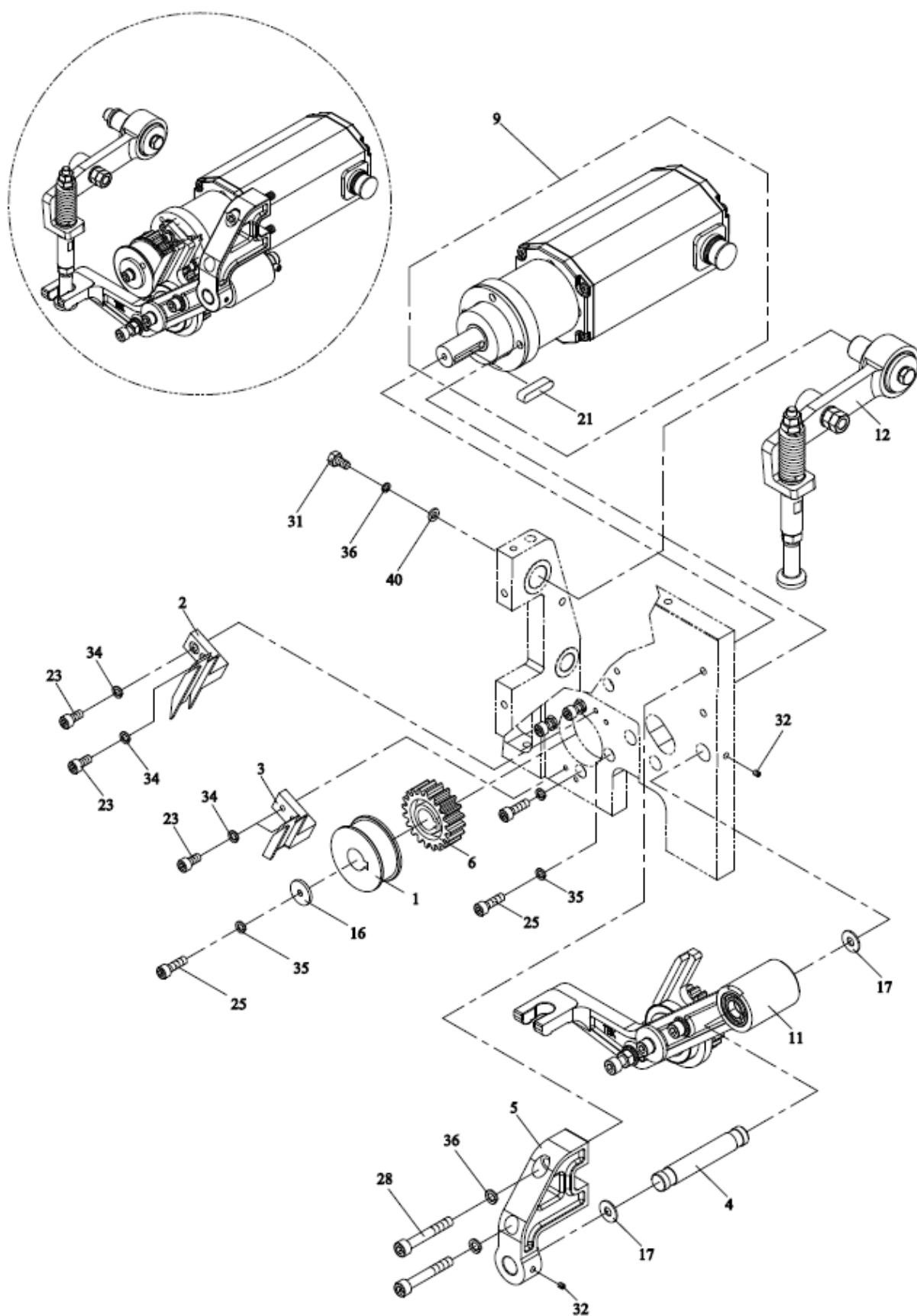
REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
1	M7-1-331100	Feeding Arm	1	X
2	M7-1-331200	Linkage	1	X
3	M7-1-331300	Shaft	1	X
4	M7-1-331400	Collar	1	X
5	M7-1-331500	Spring Hook	1	X
11	T7-1-64130	Return Spring	1	191488
14	BR6901ZZ	Bearing, 6901ZZ	2	198856
17	HBS0616N	HBS, M6×16 (N)	1	191544
18	HBS0640N	HBS, M6×40 (N)	1	188671
23	PMS0420	PMS, M4×20	1	187902
26	HN04	HN, M4	1	191604
27	HN06	HN, M6	3	191611
31	SW04	SW, M4	1	X
32	SW06	SW, M6	3	191562
35	PW06C	PW, M6 (C)	1	191561





**1-3-4****RETRACTING ARM ASS'Y****M7-1-340000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
1	M7-1-341100	Retracting Arm	1	X
2	M7-1-341200	Shaft	1	X
6	TA-073	Spring Hook	1	191747
11	BR635ZZ	Bearing, 635ZZ	1	187778
14	MB1015	Metal Bushing, 1015	1	X
17	HBS0516N	HBS, M5×16 (N)	1	191700
21	HB0612	HB, M6×12	1	205333
24	SW05	SW, M5	1	191577
25	SW06	SW, M6	1	191562
29	PW05	PW, M5	2	191578
30	PW06B	PW, M6 (B)	1	X



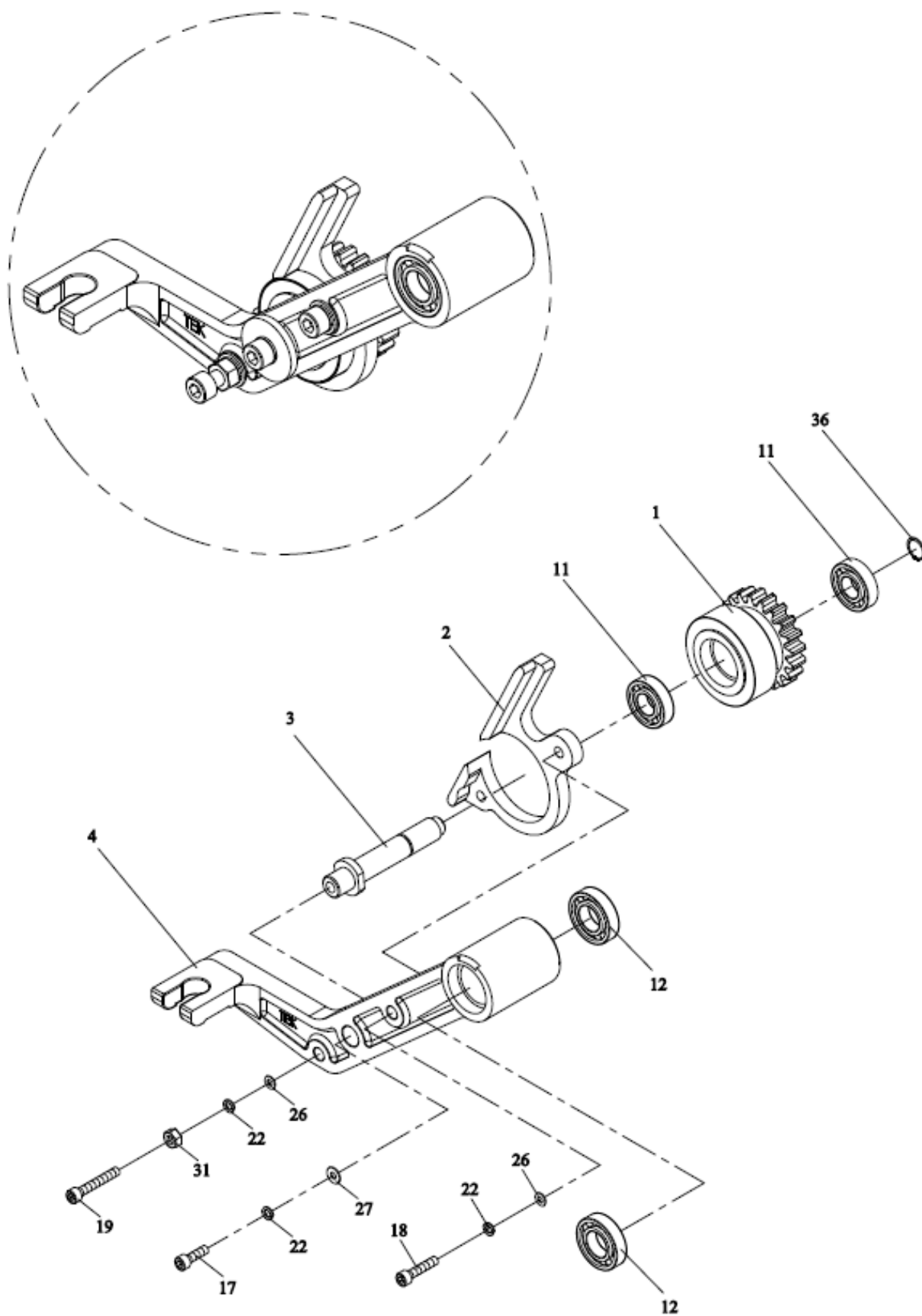
**1-4**
**TENSION GROUP**
**M7-1-400021**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P QO
1	M7-1-401120	Tension Guide Wheel	1	198851
	<del>M7-1-401120S</del>	Tension Guide Wheel (Stainless Steel Model) (Option)	1	X
2	M7-1-401220	Guide	1	191825
	M7-1-401220EN	Guide (Stainless Steel Model)(Option)	1	X
3	M7-1-401320	Tension Guide	1	<del>191857</del>
	M7-1-401320EN	Tension Guide (Stainless Steel Model)(Option)	1	X
4	M7-1-401400	Shaft	1	191818
5	M7-1-401500	Bracket	1	191819
6	M7-1-401600	Gear	1	191856
9	M7-1-301110	M3 Motor	1	191571
11	M7-1-410020	Tension Crank Ass'y	1	(SEE PG. C39) X
12	M7-1-420011	Tension Arm Ass'y	1	(SEE PG. C41) X
16	TB-223	Washer	1	X
17	AD-2-20181	Washer	2	191821
21	KYA050527	Key, 5×5×27	1	X
23	HBS0412N	HBS, M4×12 (N)	4	191682
25	HBS0516N	HBS, M5×16 (N)	5	191700
28	HBS0640HN	HBS, M6×40 (H)(N)	2	188671
31	HB0612	HB, M6×12	1	205333
32	HSS0506GN	HSS, M5×6 (G)(N)	2	191584
34	SW04	SW, M4	4	X
35	SW05	SW, M5	5	191577
36	SW06	SW, M6	3	191562
40	PW06C	PW, M6 (C)	1	191561

1-4-1

# TENSION CRANK ASS'Y

M7-1-410020



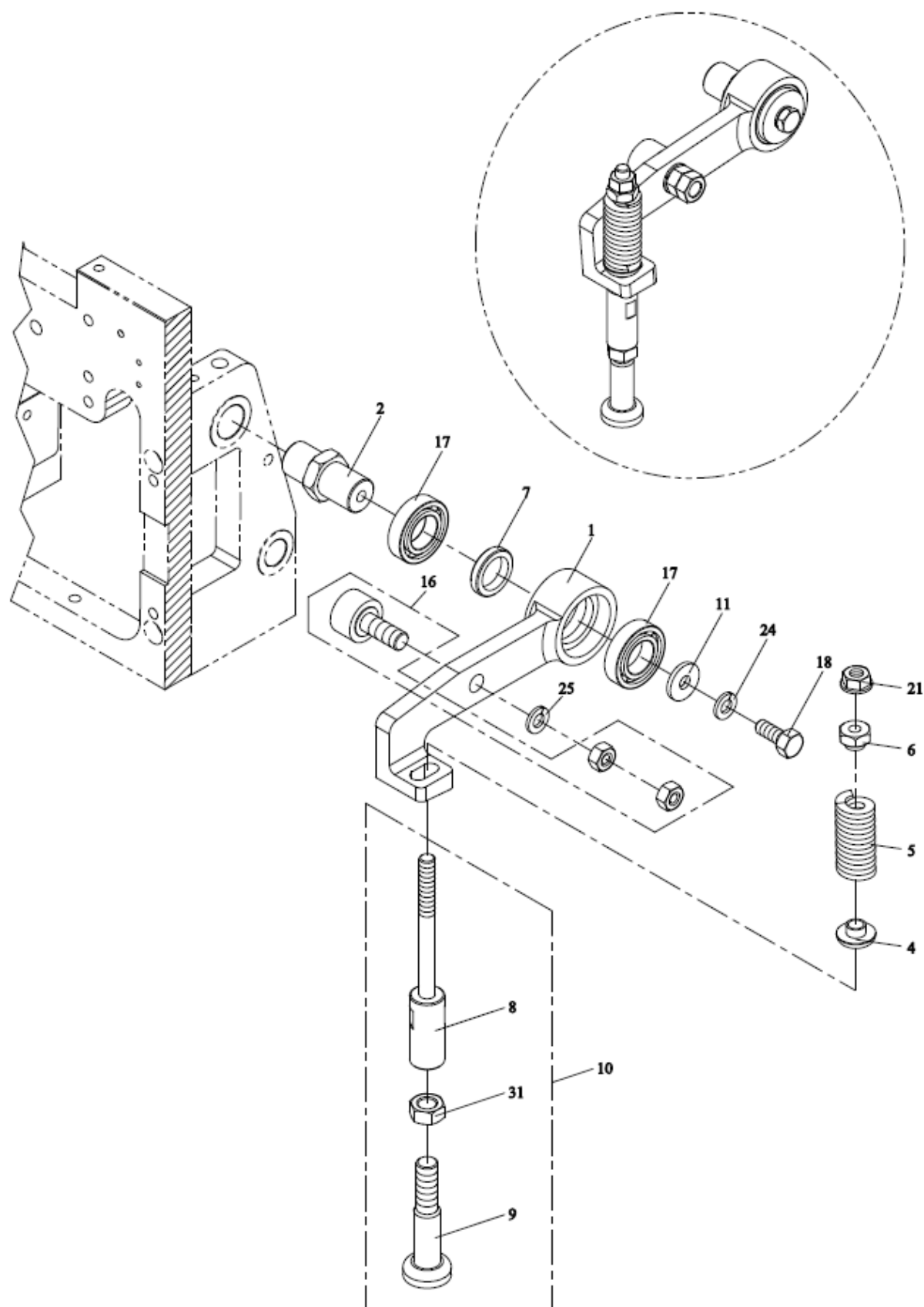
**1-4-1****TENSION CRANK ASS'Y****M7-1-410020**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P QO
1	M7-1-411120	Assistant Roller	1	203619
	M7-1-411120S	Assistant Roller (Stainless Steel Model) (Option)	1	X
2	M7-1-411220	Assistant Roller Housing	1	X
	M7-1-411220EN	Assistant Roller Housing (Stainless Steel Model)(Option)	1	X
3	M7-1-411300	Shaft	1	X
4	M7-1-411400	Tension Crank	1	X
11	BR6900ZZ	Bearing, 6900ZZ	2	187996
12	BR6901ZZ	Bearing, 6901ZZ	2	198856
17	HBS0612N	HBS, M6×12 (N)	1	191563
18	HBS0630N	HBS, M6×30 (N)	1	191779
19	HBS0640N	HBS, M6×40 (N)	1	<b>188671</b>
22	SW06	SW, M6	3	191562
26	PW06A	PW, M6 (A)	2	191612
27	TB-223	Washer	1	X
31	HN06	HN, M6	1	<b>191611</b>
36	SR08	Stop Ring, S-8	1	X

**1-4-2**

## TENSION ARM ASS'Y

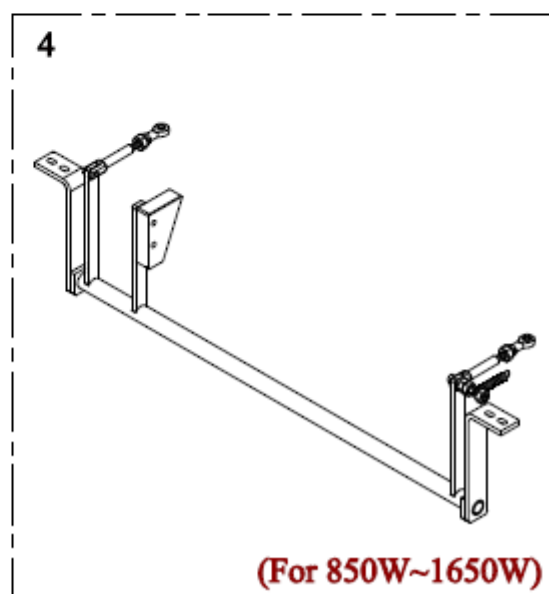
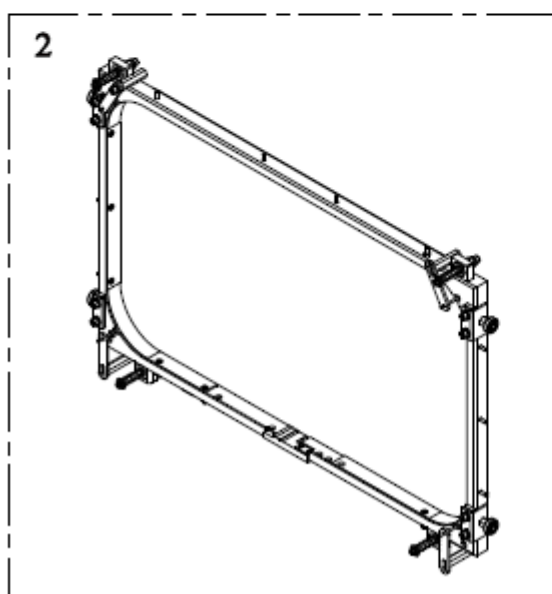
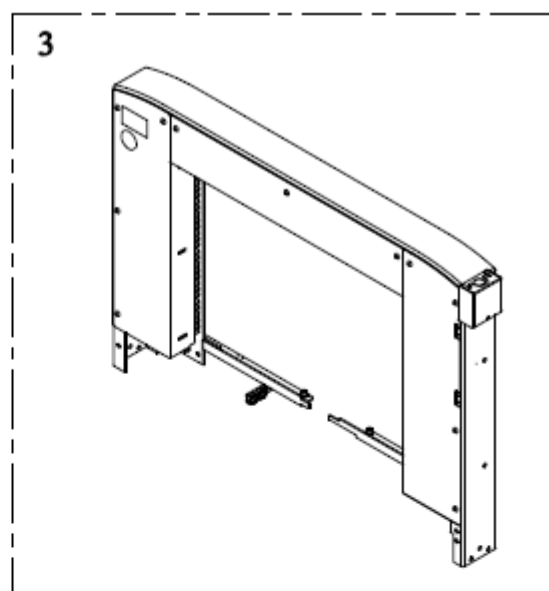
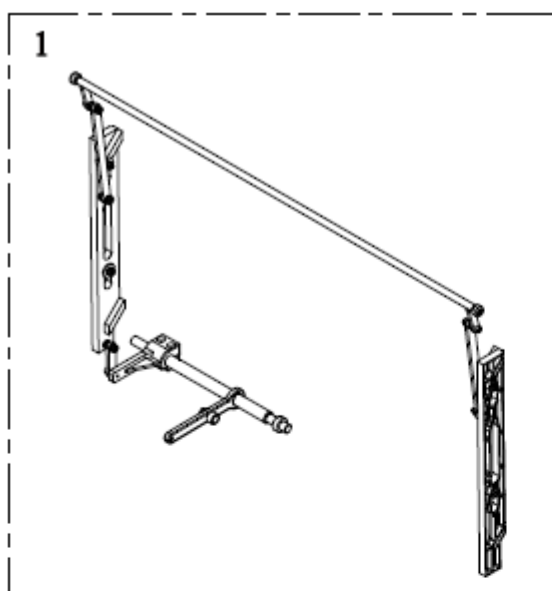
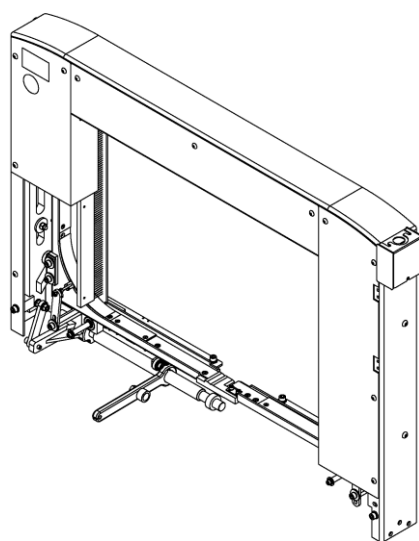
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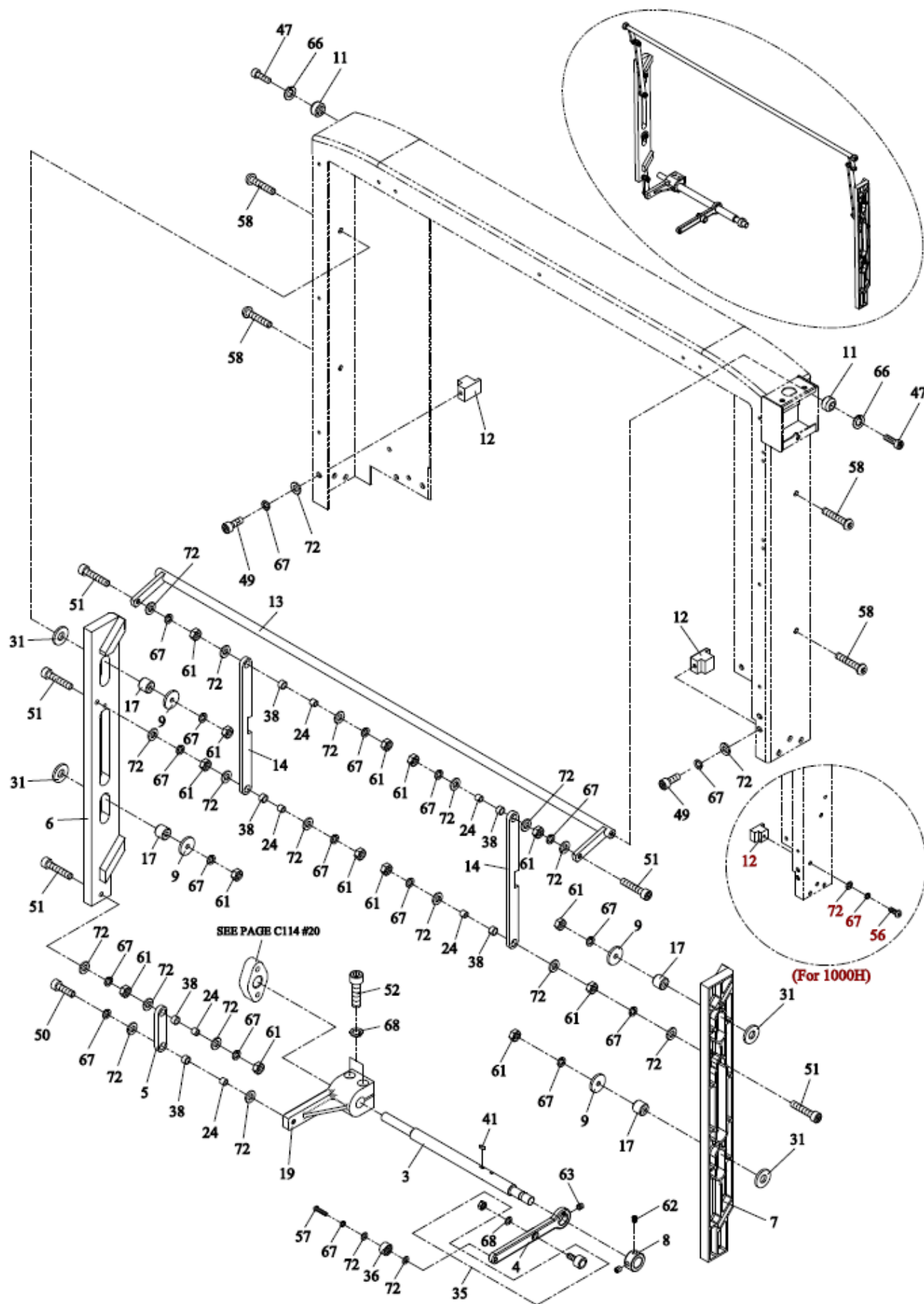
**1-4-2****TENSION ARM ASS'Y****M7-1-420011**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
1	M7-1-421101	Tension Arm	1	X
2	M7-1-421200	Shaft	1	X
4	M7-1-421400	Spring Support	1	205490
5	M7-1-421520	Spring	1	191729
6	M7-1-421600	Nut	1	205491
7	M7-1-421700	Collar	1	X
8	M7-1-421800	Connecting Rod (Upper)	1	203918
9	M7-1-421900	Connecting Rod (Lower)	1	X
10	M7-1-420100	Connecting Rod Set	1	204692
11	TB-223	Washer	1	X
16	BRCF8	Bearing, CF8	1	191643
17	BR6902ZZ	Bearing, 6902ZZ	2	X
18	HB0612	HB, M6×12	1	205333
21	FLG06	FLG, M6	1	205492
24	SW06	SW, M6	1	191562
25	SW08	SW, M8	1	191759
28	PW06A	PW, M6 (A)	1	191612
31	HN08	HN, M8	1	187490





REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
	M7-2-900021	Bandway Unit	1	X
	M7-2-900021S	Bandway Unit (Stainless Steel Model)	1	X
1	M7-2-100010	Arch Group	1	(SEE PG. C45) X
	M7-2-100010S	Arch Group (Stainless Steel Model)	1	X
2	M7-2-200021	Bandway Group	1	(SEE PG.C49) X
	M7-2-200021S	Bandway Group (Stainless Steel Model)	1	X
3	M7-2-300011	Arch Cover Group	1	(SEE PG. C55)X
	M7-2-300011S	Arch Cover Group (Stainless Steel Model)	1	X
4	M7-2-400010	Connecting Rod Group (For 850W/1050W)	1	(SEE PG. C62-1)X
	M7-2-400000	Connecting Rod Group (For 1250W/1650W)	1	(SEE PG. C63)X



## 2-1

## ARCH GROUP

## M7-2-100010

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQNJ EJ GO 'P Q0
	M7-2-100010	Arch Group	1	X
	M7-2-100010S	Arch Group (Stainless Steel Model)	1	X
3	M7-2-101310	Rod (For 650W)	1	X
	M7-2-101360	Rod (For 850W)	1	X
	M7-2-101340	Rod (For 1050/1250W)	1	X
	M7-2-101350	Rod (For 1650W)	1	X
4	M7-2-101400	Lever (For 650W)	1	X
	M7-2-101410	Lever (For 850W~1650W)	1	X
5	M7-2-101500	Plate (For 400H~800H)	1	205334
	M7-2-101510	Plate (For 1000H)	1	X
6	M7-2-101600	Left Bar (For 400H)	1	X
	M7-2-101610	Left Bar (For 500H)	1	X
	M7-2-101620	Left Bar (For 600H)	1	X
	M7-2-101630	Left Bar (For 800H/1000H)	1	X
7	M7-2-101700	Right Bar (For 400H)	1	X
	M7-2-101710	Right Bar (For 500H)	1	X
	M7-2-101720	Right Bar (For 600H)	1	X
	M7-2-101730	Right Bar (For 800H/1000H)	1	X
8	M7-1-101600	Collar	1	X
9	TB-223	Washer (For 400H/500H)	4	X
		Washer (For 600H)	6	
		Washer (For 800H/1000H)	8	
11	T7-2-10110	Bushing	2	191699
12	T7-2-10120	Guide (For 400H~800H)	2	205498
	T7-2-10770	Guide (For 1000H)	2	X
13	T7-2-10221	Connecting Rod (For 650W)	1	X
	T7-2-10222	Connecting Rod (For 850W)	1	X
	T7-2-10223	Connecting Rod (For 1050W)	1	X
	T7-2-10224	Connecting Rod (For 1250W)	1	X
	T7-2-10226	Connecting Rod (For 1650W)	1	X
14	T7-2-10230	Connector	2	X
17	T7-2-10260	Spacer (For 400H/500H)	4	191672
		Spacer (For 600H)	6	
		Spacer (For 800H/1000H)	8	
19	T7-2-10290	Arm	1	X
24	T7-3-10530	Tube	6	191670
31	WT163015	Thrust Washer (For 400H/500H)	4	X
		Thrust Washer (For 600H)	6	
		Thrust Washer (For 800H/1000H)	8	
35	BRCF8	Bearing, CF8	1	191643
36	BRNAST6	Bearing, Nast6 (For 850W~1650W)	1	191683

## 2-1

## ARCH GROUP

## M7-2-100010

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQNJ EJ GO 'P Q0
38	MB0806	Metal Bushing, 0806	6	X
41	KYA050510	Key, 5×5×10	1	X
47	HBS0516N	HBS, M5×16 (N)	2	191700
	HBS0516S	HBS, M5×16 (Stainless Steel Model)	2	205331
49	HBS0616N	HBS, M6×16 (N)(For 400H~1000H)	2	191544
50	HBS0620N	HBS, M6×20 (N)	1	191726
51	HBS0630N	HBS, M6×30 (N)	5	191779
52	HBS0830N	HBS, M8×30 (N)	2	X
56	THS0612N	THS, M6×12 (N)(Only 1000H)	2	X
	THS0612S	THS, M6×12 (Stainless Steel Model)(Only 1000H)	2	X
57	THS0625N	THS, M6×25 (N)(For 850W~1650W)	1	X
58	THS0630N	THS, M6×30 (N)(For 400H/500H)	4	X
		THS, M6×30 (N)(For 600H)	6	
		THS, M6×30 (N)(For 800H/1000H)	8	
	THS0630S	THS, M6×30 (Stainless Steel Model)(For 400H/500H)	4	X
		THS, M6×30 (Stainless Steel Model)(For 600H)	6	
		THS, M6×30 (Stainless Steel Model)(For 800H/1000H)	8	
61	HN06	HN, M6 (For 400H/500H)	14	191611
		HN, M6 (For 600H)	16	
		HN, M6 (For 800H/1000H)	18	
62	HSS0506GN	HSS, M5×6 (G)(N)	2	191584
63	HSS0608GN	HSS, M6×8 (G)(N)	1	X
66	SW05	SW, M5	2	191577
	SW05S	SW, M5 (Stainless Steel Model)	2	X
67	SW06	SW, M6	17~21	191562
68	SW08	SW, M8	3	191759
72	PW06A	PW, M6 (A)(For 650W)	19	191612
		PW, M6 (A)(For 850W~1650W)	21	





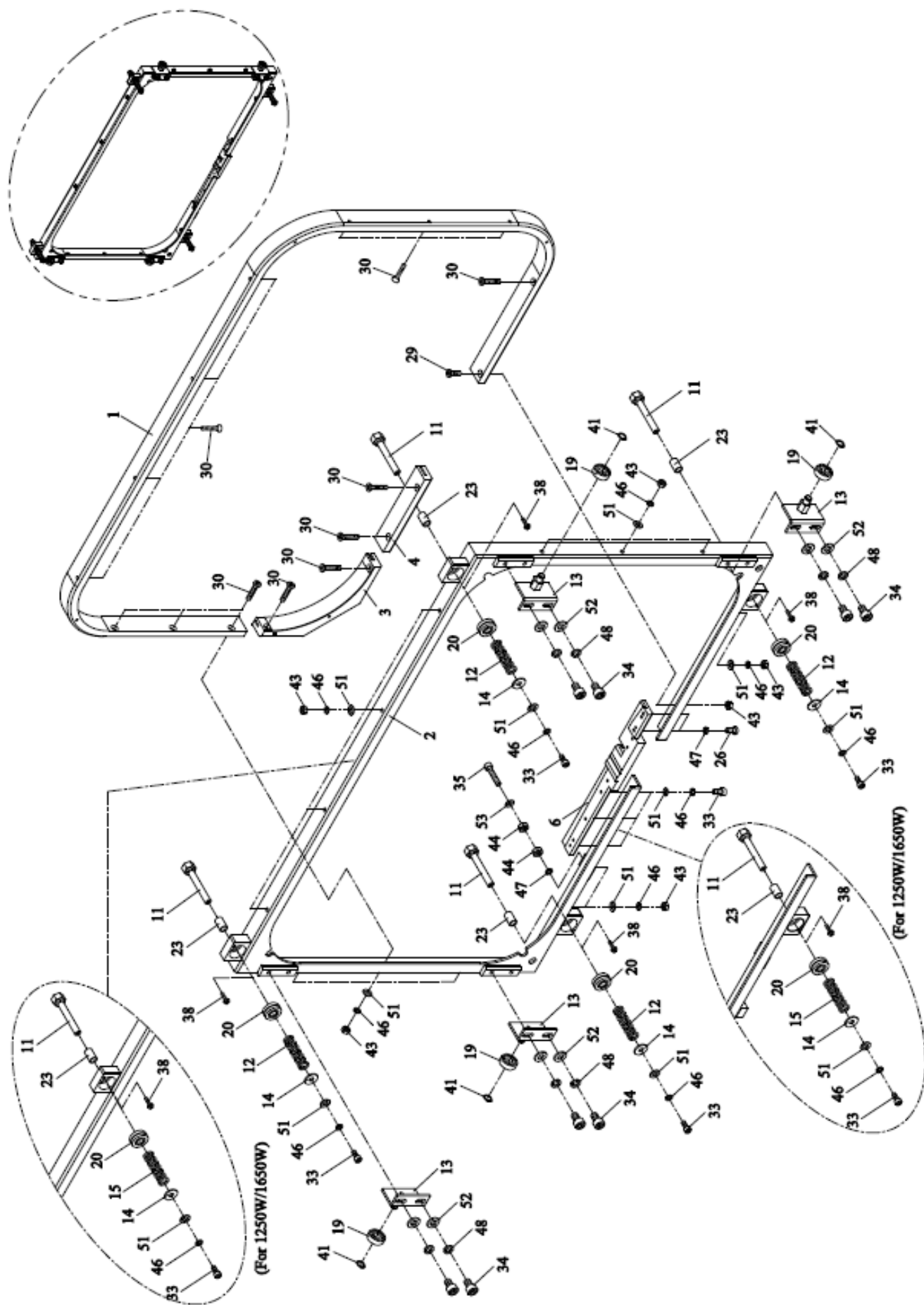
## 2-2

## BANDWAY GROUP

## M7-2-200021

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P QO
	M7-2-200021	Bandway Group	1	X
	M7-2-200021S	Bandway Group (Stainless Steel Model)	1	X
3	M7-2-201310	Cover (L)	1	X
	M7-2-201310S	Cover (L)(Stainless Steel Model)(Option)	1	X
4	M7-2-201400	Adjusting Plate	1	191511
	M7-2-201400EN	Adjusting Plate (Stainless Steel Model)(Option)	1	X
5	M7-2-201510	Cover (R)	1	X
	M7-2-201510S	Cover (R)(Stainless Steel Model)(Option)	1	X
6	M7-2-201700	Plate (For 650W~1050W)	4	191735
		Plate (For 1250W/1650W)	5	
8	M7-2-201801	Bumper Screw (For 850W~1650W)	4~12	191564
11	M7-2-210021	Strap Track Frame Ass'y	1	(SEE PG. C51) X
	M7-2-210021S	Strap Track Frame Ass'y (Stainless Steel Model)	1	X
17	T7-2-10210	Pin (For 650W~1050W)	4	X
		Pin (For 1250W/1650W)	5	
	T7-2-10210S	Pin (Stainless Steel Model)(For 650W~1050W)(Option)	4	X
		Pin (Stainless Steel Model)(For 1250W/1650W)(Option)	5	
18	T7-2-20130	Tube	4	X
21	FMS0410	FMS, M4×10	4	X
	FMS0410S	FMS, M4×10 (Stainless Steel Model)	4	X
24	HBS0408N	HBS, M4×8 (N)	2	191787
	HBS0408S	HBS, M4×8 (Stainless Steel Model)	2	X
25	HBS0616N	HBS, M6×16 (N)	7	191544
27	HBS0612N	HBS, M6×12 (N)(For 1250W/1650W)	1	191563
28	THS0616N	THS, M6×16 (N)	4	191544
	THS0616S	THS, M6×16 (Stainless Steel Model)	4	204086
31	NTE03	NTE, M3 (For 650W~1050W)	8	191734
		NTE, M3 (For 1250W/1650W)	10	
34	SW04	SW, M4	2	X
35	SW06	SW, M6 (For 650W)	12	X
		SW, M6 (For 850W~1650W)	16~25	
36	SW06S	SW, M6 (Stainless Steel Model)	4	205539
39	PW06A	PW, M6 (A)	5	191612
40	PW06AS	PW, M6 (A)(Stainless Steel Model)	2	X
41	PW06C	PW, M6 (C)(For 650W~1050W)	7	191561
		PW, M6 (C)(For 1250W/1650W)	8	
42	PW06CS	PW, M6 (C)(Stainless Steel Model)	2	205534
46	HN06	HN, M6 (For 850W~1650W)	4~12	191611





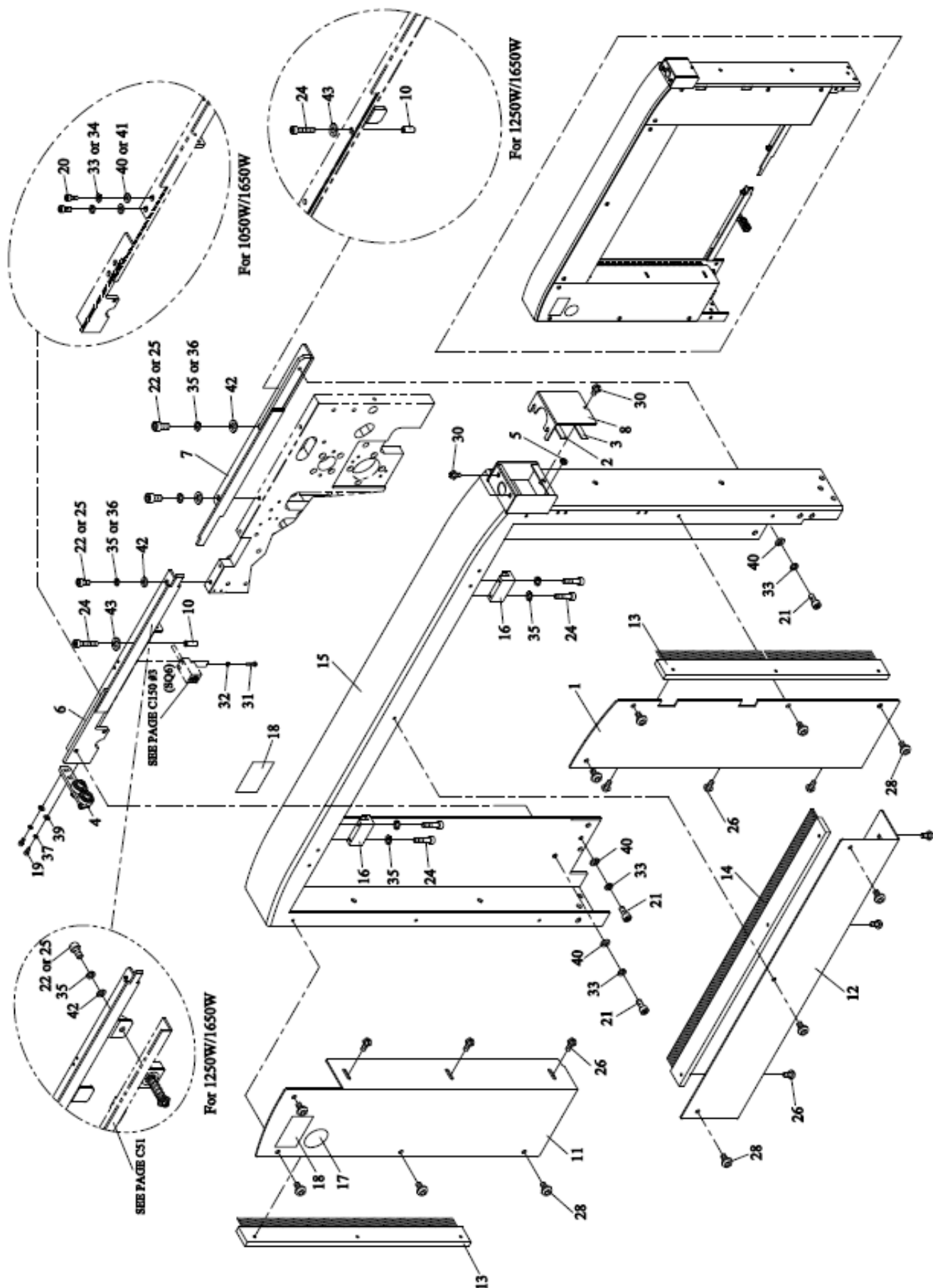
**2-2-1**
**STRAP TRACK FRAME ASS'Y**
**M7-2-210021**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P QO
	M7-2-210021	Strap Track Frame Ass'y	1	X
	M7-2-210021S	Strap Track Frame Ass'y (Stainless Steel Model)	1	X
1	M7-2-201121	Strap Track	1	X
2	M7-2-201211	Strap Track Frame	1	X
	M7-2-201211S	Strap Track Frame (Stainless Steel Model)	1	X
3	M7-2-211120	Corner Strap Track	1	205847
4	M7-2-211410	Strap Track (Left)(For 650W)	1	X
	M7-2-211420	Strap Track (Left)(For 850W)	1	X
	M7-2-211430	Strap Track (Left)(For 1050W)	1	X
	M7-2-211440	Strap Track (Left)(For 1250W)	1	X
	M7-2-211450	Strap Track (Left)(For 1650W)	1	X
6	M7-2-201620	Track Frame Connector	1	191592
	M7-2-201620S	Track Frame Connector (Stainless Steel Model)	1	X
11	T7-2-20160	Shaft (For 650W~1050W)	4	191681
		Shaft (For 1250W/1650W)	6	
	T7-2-20160S	Shaft (Stainless Steel Model)	4	X
		(For 650W~1050W)(Option)		
		Shaft (Stainless Steel Model)	6	
		(For 1250W/1650W)(Option)		
12	T7-2-20172	Spring	4	203787
	T7-2-20172S	Spring (Stainless Steel Model)(Option)	4	191783
13	T7-2-20180	Bracket	4	205535
14	T7-2-20380	Washer (cp5× $\frac{1}{2}$ 14)(For 650W~1050W)	4	191745
		Washer (cp5× $\frac{1}{2}$ 14)(For 1250W/1650W)	6	
15	T7-2-20171	Spring (For 1250W/1650W)	2	191805
	T7-2-20171S	Spring (Stainless Steel Model)	2	X
		(For 1250W/1650W)(Option)		
19	BR608ZZ	Bearing, 608ZZ	4	187783
20	BRPB8	Bearing, PB8 (For 650W~1050W)	4	191784
		Bearing, PB8 (For 1250W/1650W)	6	
23	MB0816	Metal Bushing, 0816 (For 650W~1050W)	4	205350
		Metal Bushing, 0816 (For 1250W/1650W)	6	
26	HBL0512	HBL, M5×12	2	191591
29	FMS0420	FMS, M4×20	1	X
30	FMS0425	FMS, M4×25	15	204994

**2-2-1****STRAP TRACK FRAME ASS'Y****M7-2-210021**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
33	HBS0412N	HBS, M4×12 (N)(For 650W~1050W)	7	X
		HBS, M4×12 (N)(For 1250W/1650W)	8	
34	HBS0612N	HBS, M6×12 (N)	8	X
35	HBS0540N	HBS, M5×40 (N)(Without SQ6 Option)	1	X
38	TMS0408	TMS, M4×8 (For 650W~1050W)	4	191648
		TMS, M4×8 (For 1250W/1650W)	6	
41	SR08	Stop Ring, S-8	4	X
43	HN04	HN, M4	16	191604
44	HN05	HN, M5 (Without SQ6 Option)	2	187478
46	SW04	SW, M4 (For 650W~1050W)	22	X
		SW, M4 (For 1250W/1650W)	24	
47	SW05	SW, M5	2	191577
		SW, M5 (Without SQ6 Option)	3	
48	SW06	SW, M6	8	191562
51	PW04	PW, M4 (For 650W~1050W)	22	187428
		PW, M4 (For 1250W/1650W)	24	
52	PW06C	PW, M6 (C)	8	191561
53	PW05	PW, M5 (Without SQ6 Option)	1	191578





**2-3**

**ARCH COVER GROUP**

**M7-2-300011**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P QO
1	M7-2-300011	Arch Cover Group	1	X
	M7-2-300011S	Arch Cover Group (Stainless Steel Model)	1	X
	M7-2-301101	Arch Cover RH (For 400H)	1	X
	M7-2-301101S	Arch Cover RH (Stainless Steel Model) (For 400H)	1	X
	M7-2-301111	Arch Cover RH (For 500H)	1	X
	M7-2-301111S	Arch Cover RH (Stainless Steel Model) (For 500H)	1	X
	M7-2-301121	Arch Cover RH (For 600H)	1	X
	M7-2-301121S	Arch Cover RH (Stainless Steel Model) (For 600H)	1	X
	M7-2-301131	Arch Cover RH (For 800H)	1	X
	M7-2-301131S	Arch Cover RH (Stainless Steel Model) (For 800H)	1	X
	M7-2-301141	Arch Cover RH (For 1000H)	1	X
	M7-2-301141S	Arch Cover RH (Stainless Steel Model) (For 1000H)	1	X
2	FR-12006300	Foam Rubber	1	X
3	FR-12006301	Foam Rubber	1	X
4	M7-2-310000	Block Ass'y (For 650W~1050W)	1	(SEE PG. C61) X
5	T5-4-10580	Grommet	1	191803
6	M7-2-101110	Guide LH (For 650W)	1	X
	M7-2-101110S	Guide LH (Stainless Steel Model)(For 650W)	1	X
	M7-2-101160	Guide LH (For 850W)	1	X
	M7-2-101160S	Guide LH (Stainless Steel Model)(For 850W)	1	X
	M7-2-101170	Guide LH (For 1050W)	1	X
	M7-2-101170S	Guide LH (Stainless Steel Model)(For 1050W)	1	X
	M7-2-101140	Guide LH (For 1250W)	1	X
	M7-2-101140S	Guide LH (Stainless Steel Model)(For 1250W)	1	X
	M7-2-101150	Guide LH (For 1650W)	1	X
	M7-2-101150S	Guide LH (Stainless Steel Model)(For 1650W)	1	X
	M7-2-101210	Guide RH (For 650W)	1	X
	M7-2-101210S	Guide RH (Stainless Steel Model)(For 650W)	1	X
	M7-2-101220	Guide RH (For 850W/1050W)	1	X
	M7-2-101220S	Guide RH (Stainless Steel Model) (For 850W/1050W)	1	X
7	M7-2-101230	Guide RH (For 1250W/1650W)	1	X
	M7-2-101230S	Guide RH (Stainless Steel Model) (For 1250W/1650W)	1	X
8	M7-2-301800	Cover	1	X
	M7-2-301800S	Cover (Stainless Steel Model)	1	X
10	T7-2-20470	Support Rod (For 1250W/1650W)	2	X

**2-3**
**ARCH COVER GROUP**
**M7-2-300011**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P QO
11	M7-2-301400	Arch Cover LH (For 400H)	1	X
	M7-2-301400S	Arch Cover LH (Stainless Steel Model) (For 400H)	1	X
	M7-2-301410	Arch Cover LH (For 500H)	1	X
	M7-2-301410S	Arch Cover LH (Stainless Steel Model) (For 500H)	1	X
	M7-2-301420	Arch Cover LH (For 600H)	1	X
	M7-2-301420S	Arch Cover LH (Stainless Steel Model) (For 600H)	1	X
	M7-2-301430	Arch Cover LH (For 800H)	1	X
	M7-2-301430S	Arch Cover LH (Stainless Steel Model) (For 800H)	1	X
	M7-2-301440	Arch Cover LH (For 1000H)	1	X
	M7-2-301440S	Arch Cover LH (Stainless Steel Model) (For 1000H)	1	X
12	M7-2-301510	Arch Cover (Upper)(For 650W)	1	X
	M7-2-301510S	Arch Cover (Upper)(Stainless Steel Model) (For 650W)	1	X
	M7-2-301520	Arch Cover (Upper)(For 850W)	1	X
	M7-2-301520S	Arch Cover (Upper)(Stainless Steel Model) (For 850W)	1	X
	M7-2-301530	Arch Cover (Upper)(For 1050W)	1	X
	M7-2-301530S	Arch Cover (Upper)(Stainless Steel Model) (For 1050W)	1	X
	M7-2-301540	Arch Cover (Upper)(For 1250W)	1	X
	M7-2-301540S	Arch Cover (Upper)(Stainless Steel Model) (For 1250W)	1	X
	M7-2-301550	Arch Cover (Upper)(For 1650W)	1	X
	M7-2-301550S	Arch Cover (Upper)(Stainless Steel Model) (For 1650W)	1	X
13	T7-5-11141	Brush (Side)(For 400H)	2	X
	T7-5-11142	Brush (Side)(For 500H)	2	X
	T7-5-11143	Brush (Side)(For 600H)	2	X
	T7-5-11144	Brush (Side)(For 800H)	2	X
	T7-5-11145	Brush (Side)(For 1000H)	2	X
14	T7-5-11151	Brush (Upper)(For 650W)	1	X
	T7-5-11152	Brush (Upper)(For 850W)	1	X
	T7-5-11153	Brush (Upper)(For 1050W)	1	X
	T7-5-11154	Brush (Upper)(For 1250W)	2	X
	T7-5-11155	Brush (Upper)(For 1650W)	2	X
15	M7-2-301600	Arch	1	X
	M7-2-301600S	Arch (Stainless Steel Model)	1	X
16	M7-2-301700	Block (For 850W~1650W)	2	X
17	LA-40170	Label	1	X

## 2-3

## ARCH COVER GROUP

## M7-2-300011

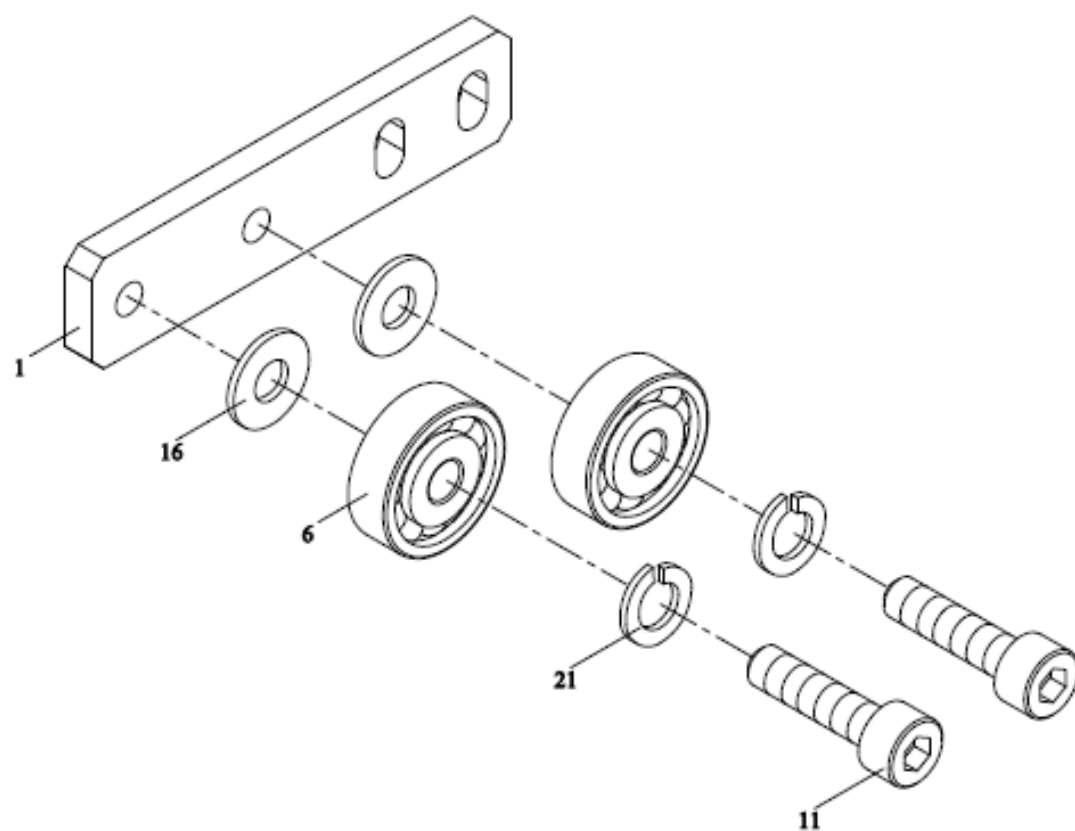
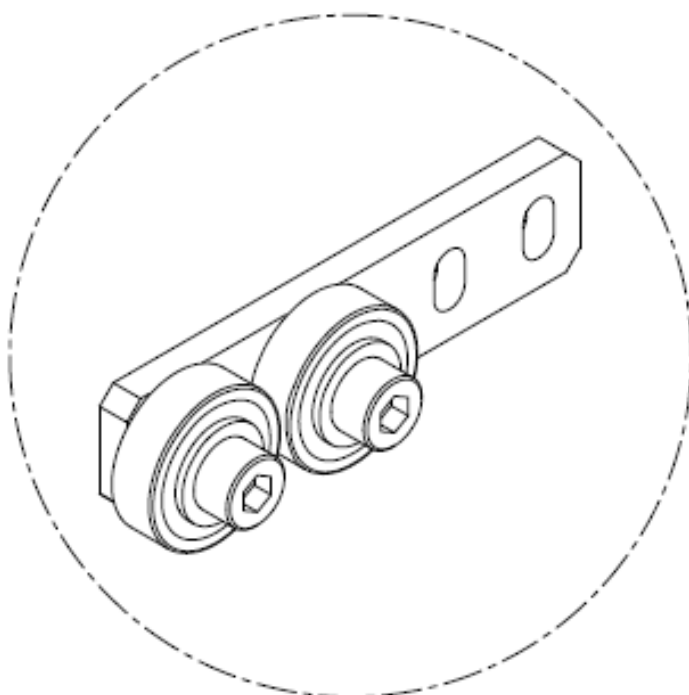
REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
18	LA-40005	Label	2	191797
19	HBS0412N	HBS, M4×12 (N)(For 650W~1050W)	2	191682
20	HBS0508N	HBS, M5×8 (N)(For 1050W/1650W)	2	202943
	HBS0508S	HBS, M5×8 (Stainless Steel Model) (For 1050W/1650W)	2	X
21	HBS0512N	HBS, M5×12 (N)	3	190848
	HBS0512S	HBS, M5×12 (Stainless Steel Model)	3	X
22	HBS0616N	HBS, M6×16 (N)(For 650W~1050W)	3	191544
		HBS, M6×16 (N)(For 1250W/1650W)	4	
24	HBS0640HN	HBS, M6×40 (H)(N)(For 850W/1050W)	4	X
		HBS, M6×40 (H)(N)(For 1250W/1650W)	6	
25	HBS0616S	HBS, M6×16 (Stainless Steel Model) (For 650W~1050W)	3	204086
26	TTP0412BN	TTP, M4×12 (B)(N)(For 650W~1050W)	9	191701
		TTP, M4×12 (B)(N)(For 1250W/1650W)	12	
	TTP0412BS	TTP, M4×12 (B)(Stainless Steel Model) (For 650W~1050W)	9	X
		TTP, M4×12 (B)(Stainless Steel Model) (For 1250W/1650W)	12	
28	THS0508N	THS, M5×8 (N)	12	191579
	THS0508S	THS, M5×8 (Stainless Steel Model)	12	205600
30	TMS0406	TMS, M4×6	3	X
	TMS0406S	TMS, M4×6 (Stainless Steel Model)	3	X
31	PMS0316	PMS, M3×16 (Option)	2	X
32	SW03	SW, M3 (Option)	2	191590
33	SW05	SW, M5 (For 650W/850W/1250W)	3	191577
		SW, M5 (For 1050W/1650W)	5	
34	SW05S	SW, M5 (Stainless Steel Model) (For 1050W/1650W)	2	X
35	SW06	SW, M6 (For 650W)	3	191562
		SW, M6 (For 850W/1050W)	7	
		SW, M6 (For 1250W/1650W)	8	
36	SW06S	SW, M6 (Stainless Steel Model)	3	205539
37	SW04	SW, M4 (For 650W~1050W)	2	X
39	PW04	PW, M4 (For 650W~1050W)	2	187428
40	PW05	PW, M5 (For 650W)	3	191578
		PW, M5 (For 1250W)	4	
		PW, M5 (For 1050W)	5	
		PW, M5 (For 1650W)	6	
41	PW05S	PW, M5 (Stainless Steel Model) (For 1050W/1650W)	4	X
42	PW06A	PW, M6 (A)(For 650W~1050W)	3	191612
		PW, M6 (A)(For 1250W/1650W)	4	



**2-3****ARCH COVER GROUP****M7-2-300011**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
43	PW06B	PW, M6 (B)(For 1250W/1650W)	2	X
	PW06BS	PW, M6 (B)(Stainless Steel Model) (For 1250W/1650W)	2	205540





## BLOCK ASS'Y (For 650W~1050W)

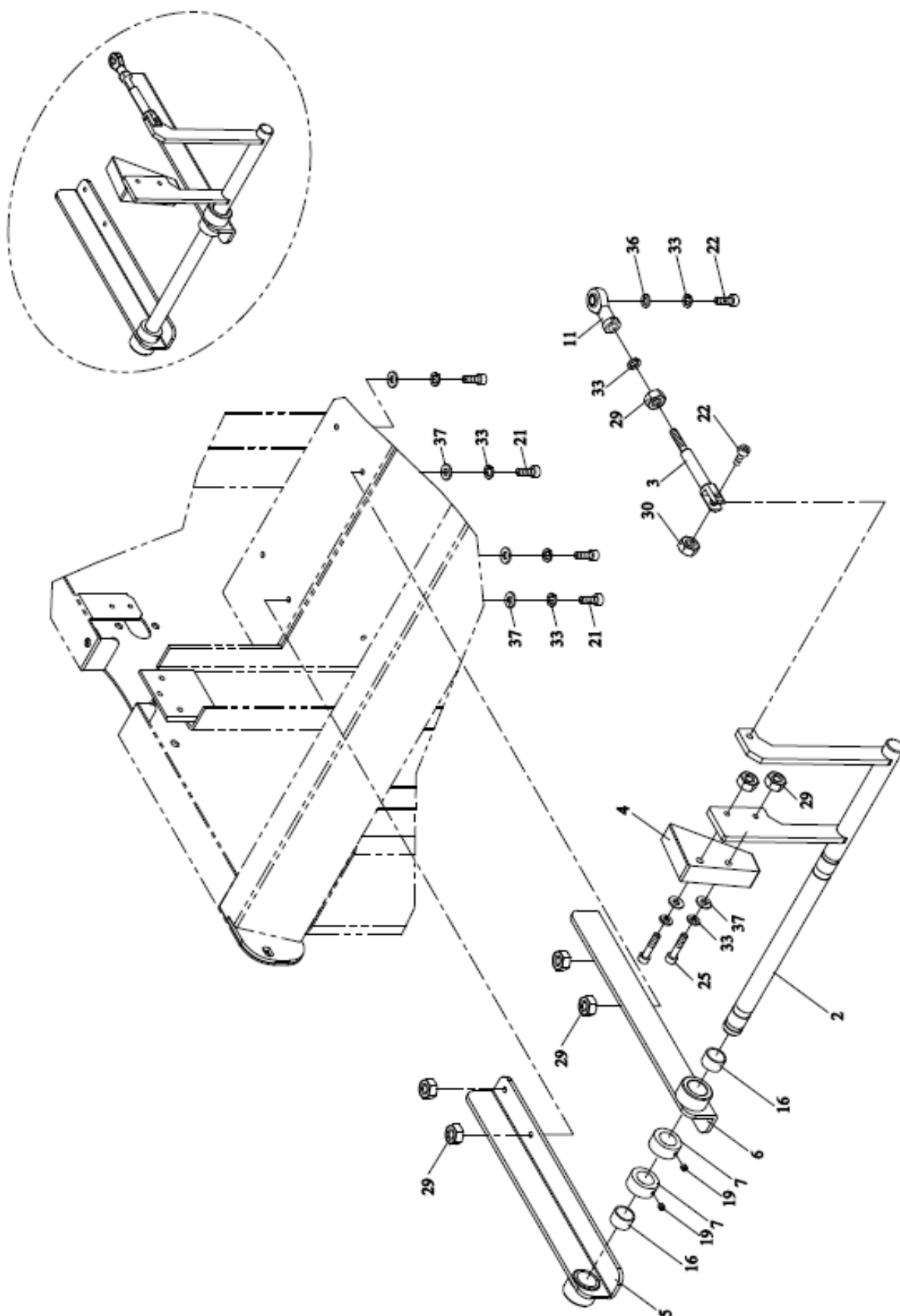
**M7-2-310000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQNI EJ GO 'P Q0
1	M7-2-301200	Block	1	X
6	BR635ZZ	Bearing, 635ZZ	2	187778
11	HBS0516N	HBS, M5×16 (N)	2	191700
16	PW05	PW, M5	2	191578
21	SW05	SW, M5	2	191577

2-4-1

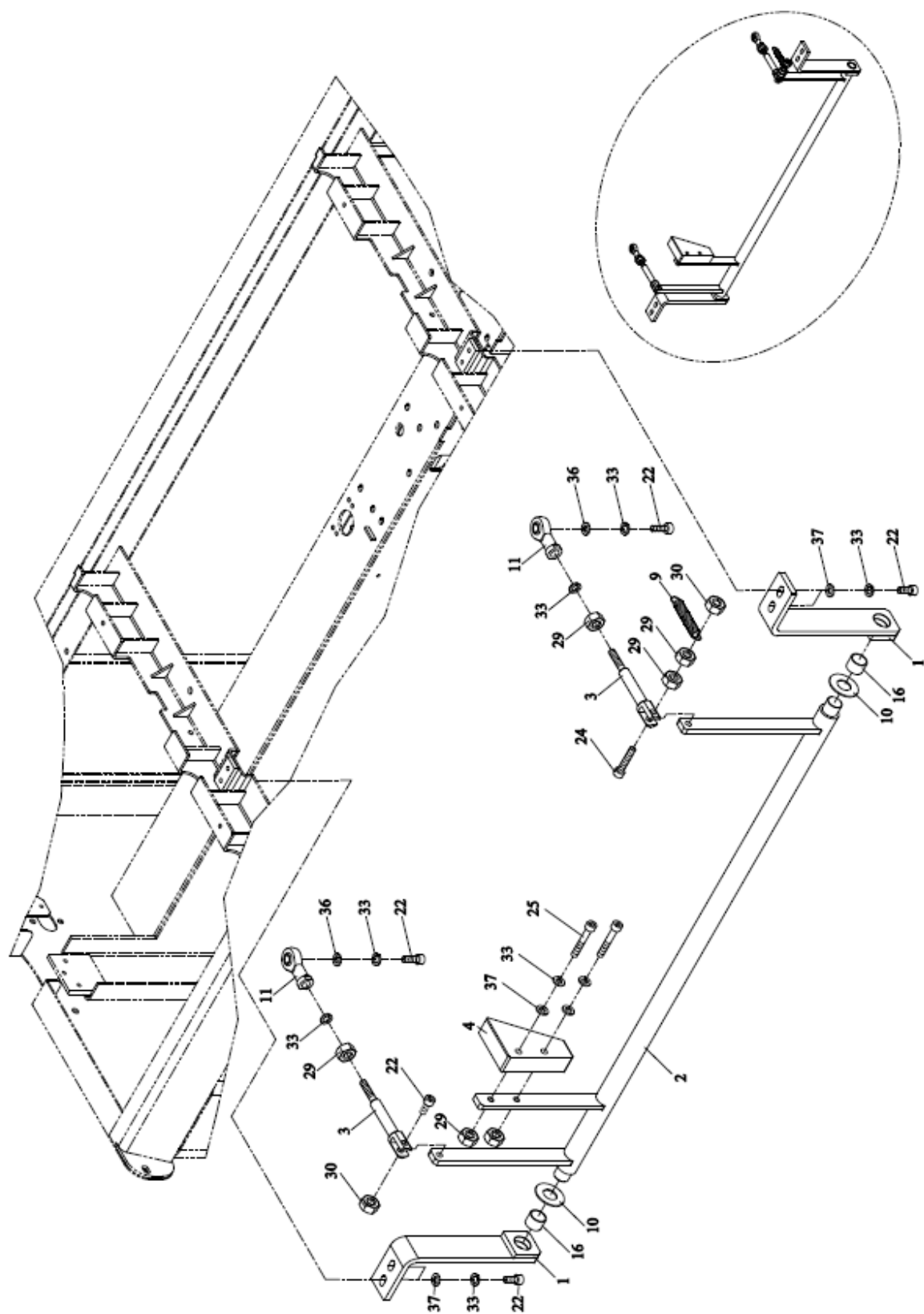
# CONNECTING ROD GROUP (For 850W/1050W)

M7-2-400010



**2-4-1****CONNECTING ROD GROUP  
(For 850W/1050W)****M7-2-400010**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
2	M7-2-401210	Connecting Rod	1	X
3	M7-2-401300	Connector	1	X
4	M7-2-401400	Slant Block	1	X
5	M7-2-401500	Bracket (Left)	1	X
6	M7-2-401600	Bracket (Right)	1	X
7	M7-2-401700	Collar	2	203833
11	T7-2-20560	Swivel Head, NHS06	1	X
16	MB1715	Metal Bushing, 1715	2	X
19	HSS0506GN	HSS, M5×6 (G)(N)	2	191584
21	HBS0616N	HBS, M6×16 (N)	4	191544
22	HBS0620N	HBS, M6×20 (N)	2	191726
25	HBS0635HN	HBS, M6×35 (H)(N)	2	X
29	HN06	HN, M6	7	191611
30	NTE06	NTE, M6	1	X
33	SW06	SW, M6	8	191562
36	PW06A	PW, M6 (A)	2	191612
37	PW06C	PW, M6 (C)	6	191561



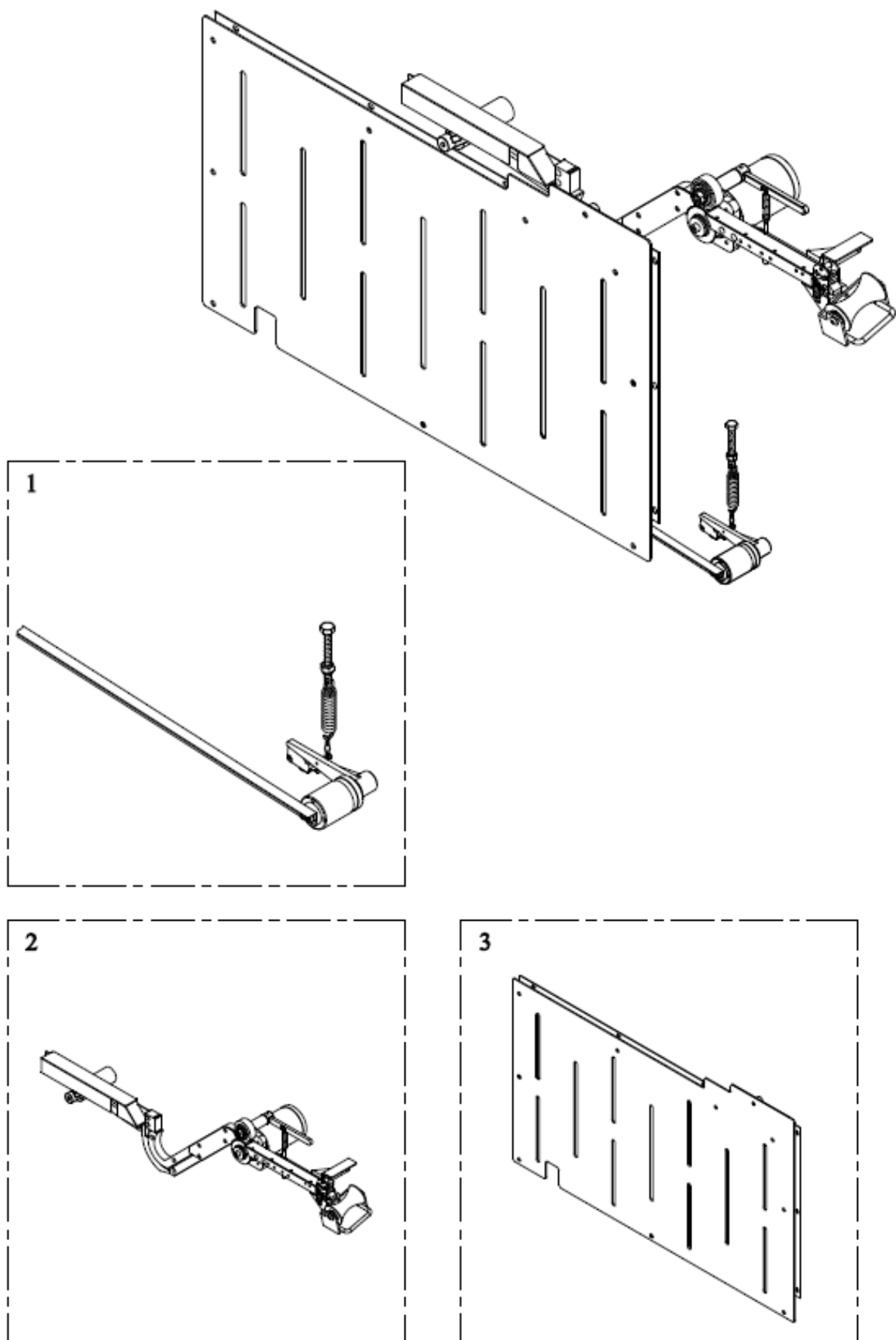
**2-4-2**  
**(For 1250W/1650W)**

**CONNECTING ROD GROUP**

**M7-2-400000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
1	M7-2-401100	Bracket	2	X
2	M7-2-401200	Connecting Rod	1	X
3	M7-2-401300	Connector	2	X
4	M7-2-401400	Slant Block	1	X
9	TC-025	Spring	1	191524
10	H42-1227	Washer	2	205661
11	T7-2-20560	Swivel Head, NHS06	2	X
16	MB1512	Metal Bushing, 1512	2	X
22	HBS0620N	HBS, M6×20 (N)	7	191726
24	HBS0630N	HBS, M6×30 (N)	1	191779
25	HBS0635HN	HBS, M6×35 (H)(N)	2	X
29	HN06	HN, M6	6	191611
30	NTE06	NTE, M6	2	X
33	SW06	SW, M6	10	191562
36	PW06A	PW, M6 (A)	2	191612
37	PW06C	PW, M6 (C)	6	191561





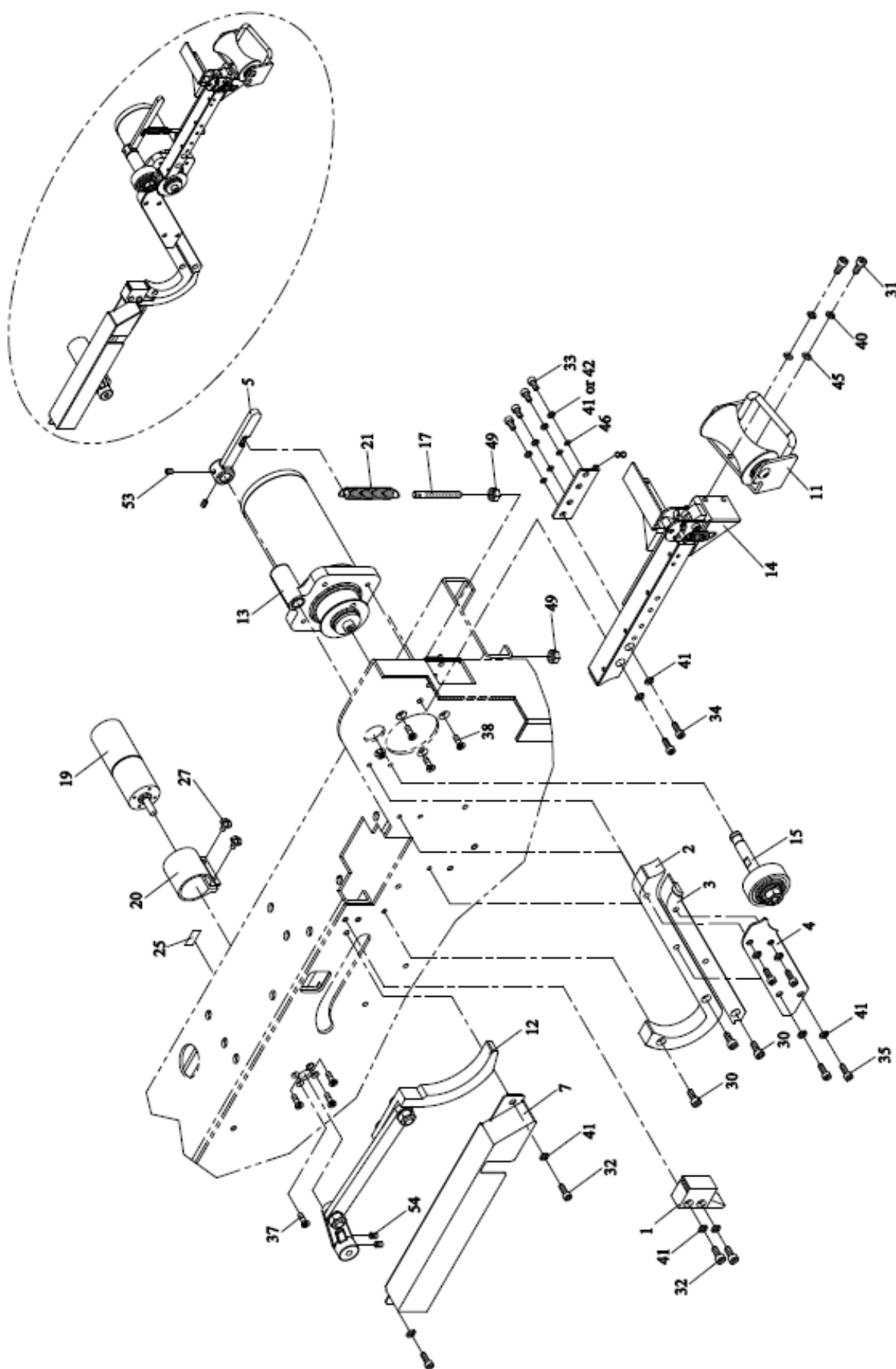
REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
	M7-3-900020	Accumulator Unit (For 650W)	1	X
	M7-3-900020S	Accumulator Unit (Stainless Steel Model) (For 650W)	1	X
	M7-3-900071	Accumulator Unit (For 850W/1050W)	1	X
	M7-3-900071S	Accumulator Unit (Stainless Steel Model) (For 850W/1050W)	1	X
	M7-3-900081	Accumulator Unit (For 1250W/1650W)	1	X
	M7-3-900081S	Accumulator Unit (Stainless Steel Model) (For 1250W/1650W)	1	X
1	M7-3-100020	Strap Amount Control Group	1	(SEE PG.C67) X
2	M7-3-200020	Auto Strap Feeding Group	1	(SEE PG.C69) X
	M7-3-200020S	Auto Strap Feeding Group (Stainless Steel Model)	1	X
3	M7-3-300020	Accumulator Box Group (For 650W)	1	(SEE PG. C85) X
	M7-3-300020S	Accumulator Box Group (Stainless Steel Model)(For 650W)	1	X
	M7-3-300071	Accumulator Box Group (For 850W/1050W)	1	X
	M7-3-300071S	Accumulator Box Group (Stainless Steel Model)(For 850W/1050W)	1	X
	M7-3-300081	Accumulator Box Group (For 1250W/1650W)	1	(SEE PG.C87) X
	M7-3-300081S	Accumulator Box Group (Stainless Steel Model)(For 1250W/1650W)	1	X

## M7-3-100020



**3-1****STRAP AMOUNT CONTROL GROUP****M7-3-100020**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
1	T7-3-10150	Shaft	1	X
2	M7-3-101200	Spring	1	191523
3	M7-3-101300	Balance Bar	1	X
6	TF-007	Micro Switch	1	191481
8	T6-3-10130	Accumulator Adjusting Bolt	1	X
9	T6-3-10200	Twist Stopper	1	191703
11	T7-3-10180	Tube	1	X
12	T7-3-10200	Sensor Lever	1	202742
16	BR6900ZZ	Bearing, 6900ZZ	2	187996
21	HBS0410N	HBS, M4×10 (N)	2	X
24	FMS0410	FMS, M4×10	4	191786
27	PMS0316	PMS, M3×16	3	X
31	HSS0405GN	HSS, M4×5 (G)(N)	2	X
34	HN03	HN, M3	1	X
35	HN08	HN, M8	1	187490
39	SW03	SW, M3	3	191590
40	SW04	SW, M4	2	X
41	SW08	SW, M8	1	191759



**3-2**
**AUTO STRAP FEEDING GROUP**
**M7-3-200020**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQNJ EJ GO 'P QO
	M7-3-200020	Auto Strap Feeding Group	1	X
	M7-3-200020S	Auto Strap Feeding Group (Stainless Steel Model)	1	X
1	M7-3-201120	Guide Block	1	X
2	M7-3-201220	Upper Strap Guide	1	X
3	M7-3-201320	Lower Strap Guide	1	X
4	M7-3-201410	Strap Guide Cover	1	X
5	M7-3-201510	Lever	1	191583
7	M7-3-201700	Cover	1	204989
8	M7-3-201800	Fixing Plate	1	X
	M7-3-201800S	Fixing Plate (Stainless Steel Model)	1	X
11	M7-3-210010	Roller Ass'y	1	(SEE PG. C73) X
	M7-3-210010S	Roller Ass'y (Stainless Steel Model)	1	X
12	M7-3-220020	Movable Strap Guide Ass'y	1	(SEE PG. C75) 191585
13	M7-3-230020	M4 Motor Ass'y	1	(SEE PG. C77)
14	M7-3-240000	Inlet Strap Guide Ass'y	1	(SEE PG. C79) X
	M7-3-240000S	Inlet Strap Guide Ass'y (Stainless Steel Model)	1	X
15	T7-3-20082	Assistant Roller Shaft Ass'y	1	(SEE PG.C83) 191556
17	M7-1-331500	Spring Hook	1	X
19	T6-1-61211	Motor (M5)	1	191501
20	T6-8-10410	Motor Cover	1	X
21	T7-1-70280	Spring	1	191806
25	LA-50057	Label	1	X
27	TMS0408	TMS, M4×8	2	191648
30	HBS0516N	HBS, M5×16 (N)	3	191700
31	HBS0416N	HBS, M4×16 (N)	2	X
	HBS0416S	HBS, M4×16 (Stainless Steel Model)	2	X
32	HBS0508N	HBS, M5×8 (N)	4	202943
33	HBS0512N	HBS, M5×12 (N)	4	190848
	HBS0512S	HBS, M5×12 (Stainless Steel Model)	4	X
34	HBS0520N	HBS, M5×20 (N)	2	191665
35	HBS0525N	HBS, M5×25 (N)	4	X
37	FMS0410	FMS, M4×10	4	X
38	FMS0512	FMS, M5×12	4	190848
40	SW04	SW, M4	2	X
	SW04S	SW, M4 (Stainless Steel Model)	2	X

**3-2**

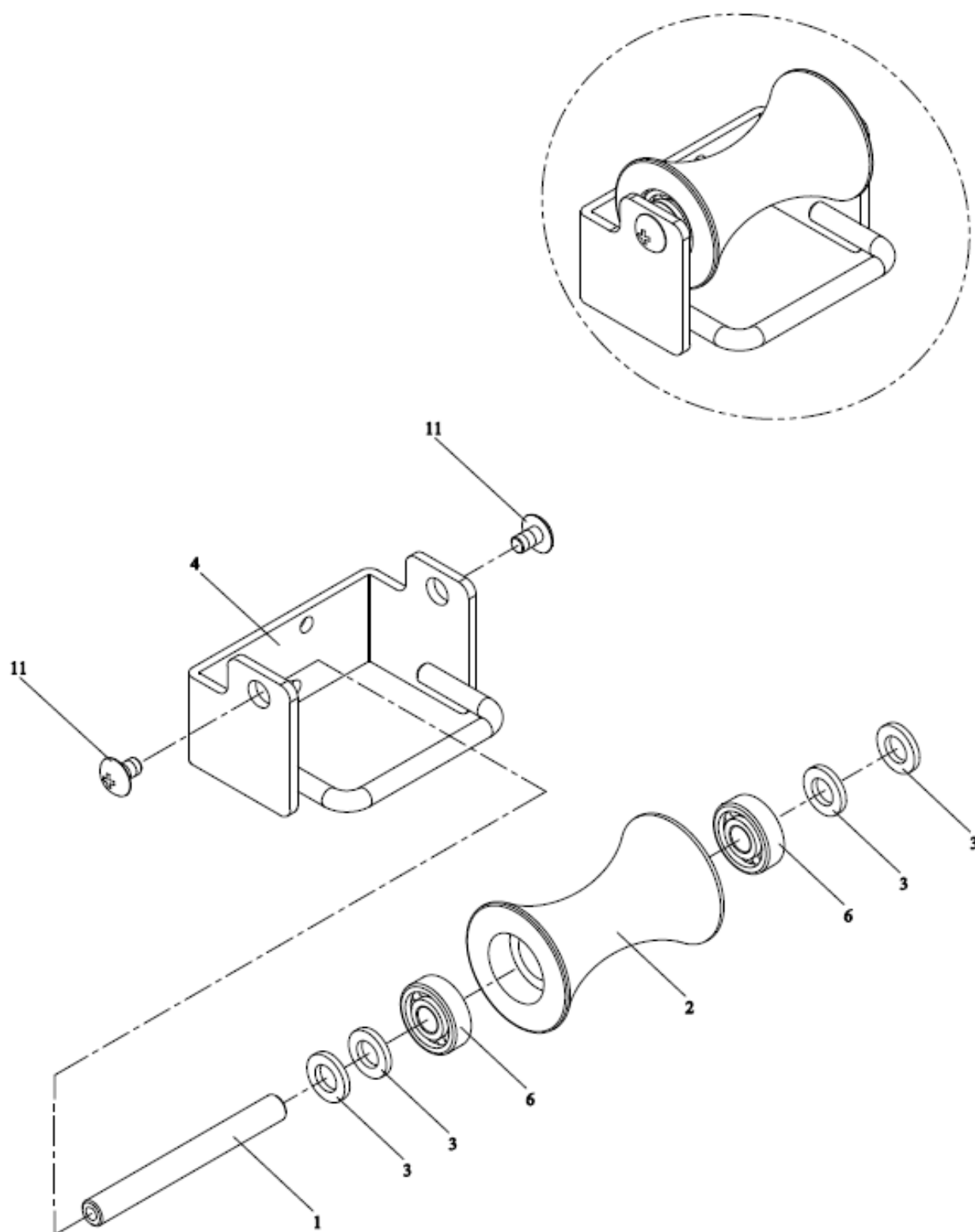
## AUTO STRAP FEEDING GROUP

**M7-3-200020**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQNI EJ GO 'P Q0
41	SW05	SW, M5	10	191577
42	SW05S	SW, M5 (Stainless Steel Model)	4	X
45	PW04	PW, M4	2	187428
	PW04S	PW, M4 (Stainless Steel Model)	2	205543
46	PW05	PW, M5	4	191578
	PW05S	PW, M5 (Stainless Steel Model)	4	X
49	HN06	HN, M6	2	191611
53	HSS0506GN	HSS, M5×6 (G)(N)	2	191584
54	HSS0508GN	HSS, M5×8 (G)(N)	2	X





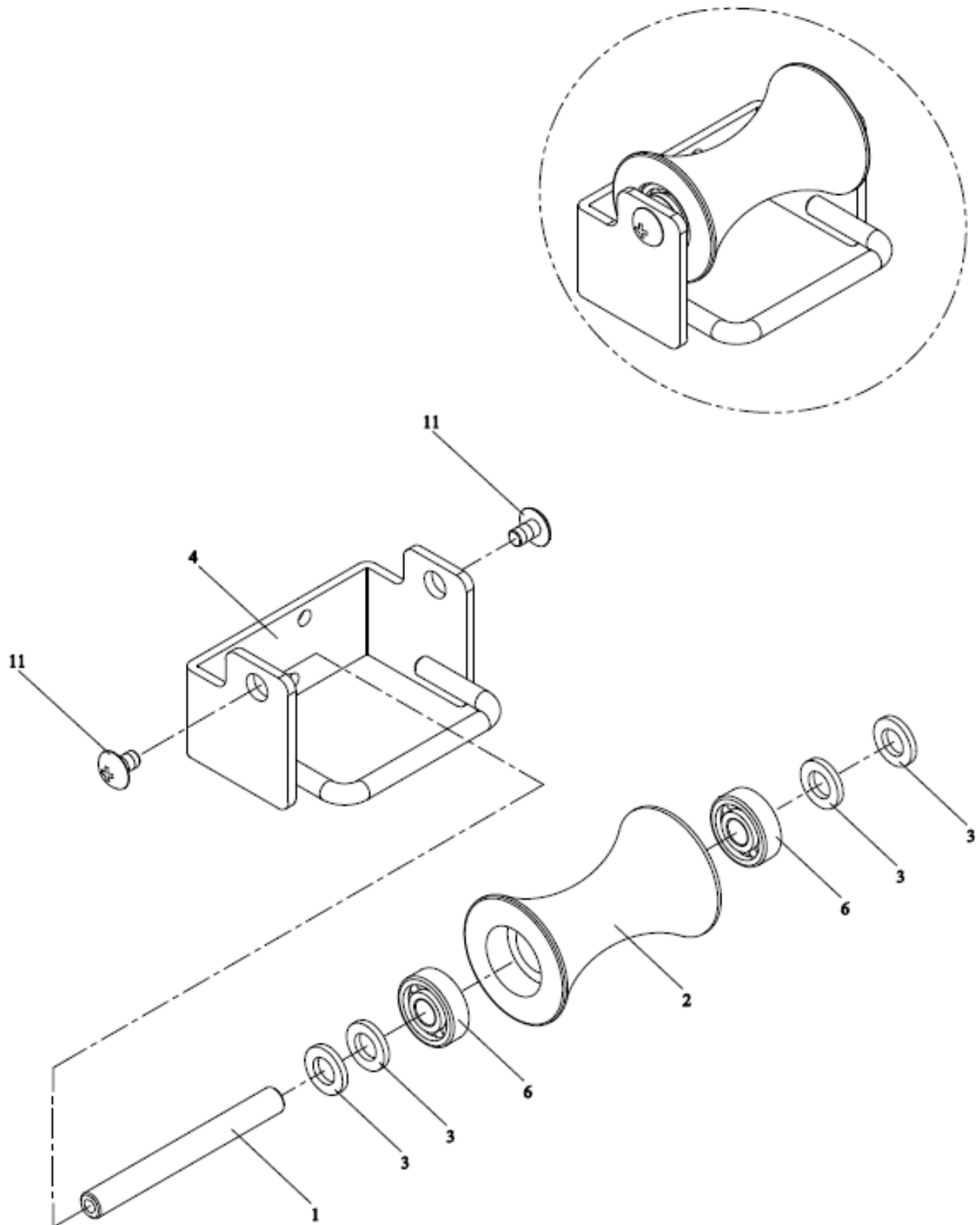


**3-2-1**
**ROLLER ASS'Y**
**M7-3-210010**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
	M7-3-210010	Roller Ass'y	1	X
	M7-3-210010S	Roller Ass'y (Stainless Steel Model)	1	X
1	T7-3-10220	Shaft	1	X
2	T7-3-10230	Roller	1	191858
3	T7-3-20200	Spacer	4	<b>191755</b>
	T7-3-20200S	Spacer (Stainless Steel Model)	4	X
4	T7-3-40520	Roller Support	1	X
	T7-3-40520S	Roller Support (Stainless Steel Model)	1	X
6	BR608ZZ	Bearing, 608ZZ	2	187783
11	TMS0508	TMS, M5×8	2	X
	TMS0508S	TMS, M5×8 (Stainless Steel Model)	2	X

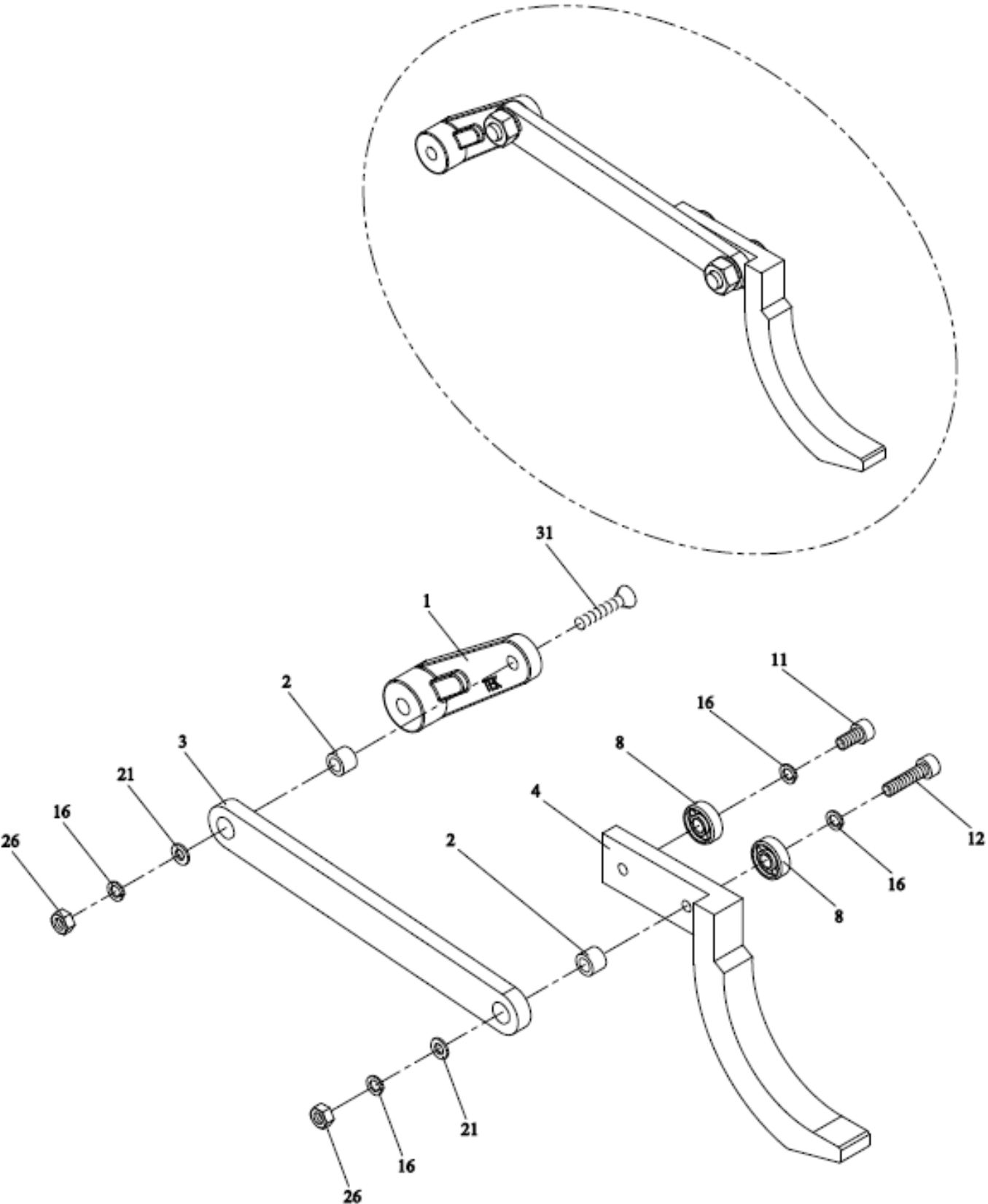
### 3-2-2

### MOVABLE STRAP GUIDE ASS'Y M7-3-220020



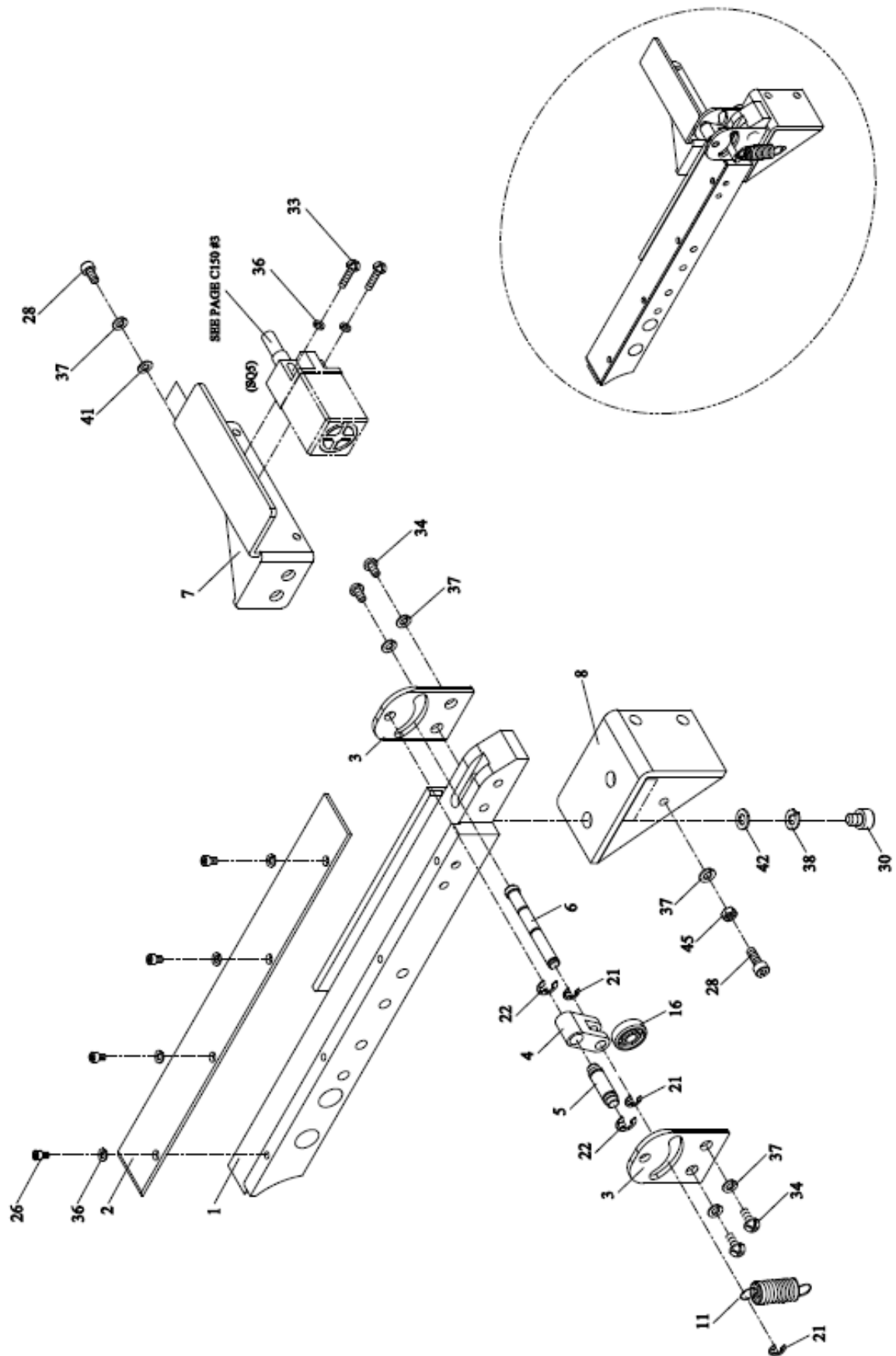
**3-2-2****MOVABLE STRAP GUIDE ASS'Y****M7-3-220020**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
1	M7-3-221101	Rotary Arm	1	X
2	M7-3-221200	Spacer	2	X
3	M7-3-221300	Link	1	X
4	M7-3-221420	Movable Strap Guide	1	X
8	BR605ZZ	Bearing, 605ZZ	2	190823
11	HBS0510N	HBS, M5×10 (N)	1	X
12	HBS0525N	HBS, M5×25 (N)	1	X
16	SW05	SW, M5	4	191577
21	PW05	PW, M5	2	191578
26	HN05	HN, M5	2	187478
31	FMS0520	FMS, M5×20	1	X



**3-2-3****M4 MOTOR ASS'Y****M7-3-230020**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
1	M7-3-231120	Accumulator Main Roller	1	191546
4	M7-3-230100	M4 Motor Set	1	191538
8	TB-223	Washer	1	X
9	T7-3-20110	Motor Support	1	191567
13	MB1010	Metal Bushing, 1010	2	191568
16	KYA050515	Key, 5×5×15	1	X
19	HBS0512N	HBS, M5×12 (N)	4	190848
20	HBS0612N	HBS, M6×12 (N)	1	191563
23	SW06	SW, M6	1	191562



**3-2-4**
**INLET STRAP GUIDE ASS'Y**
**M7-3-240000**

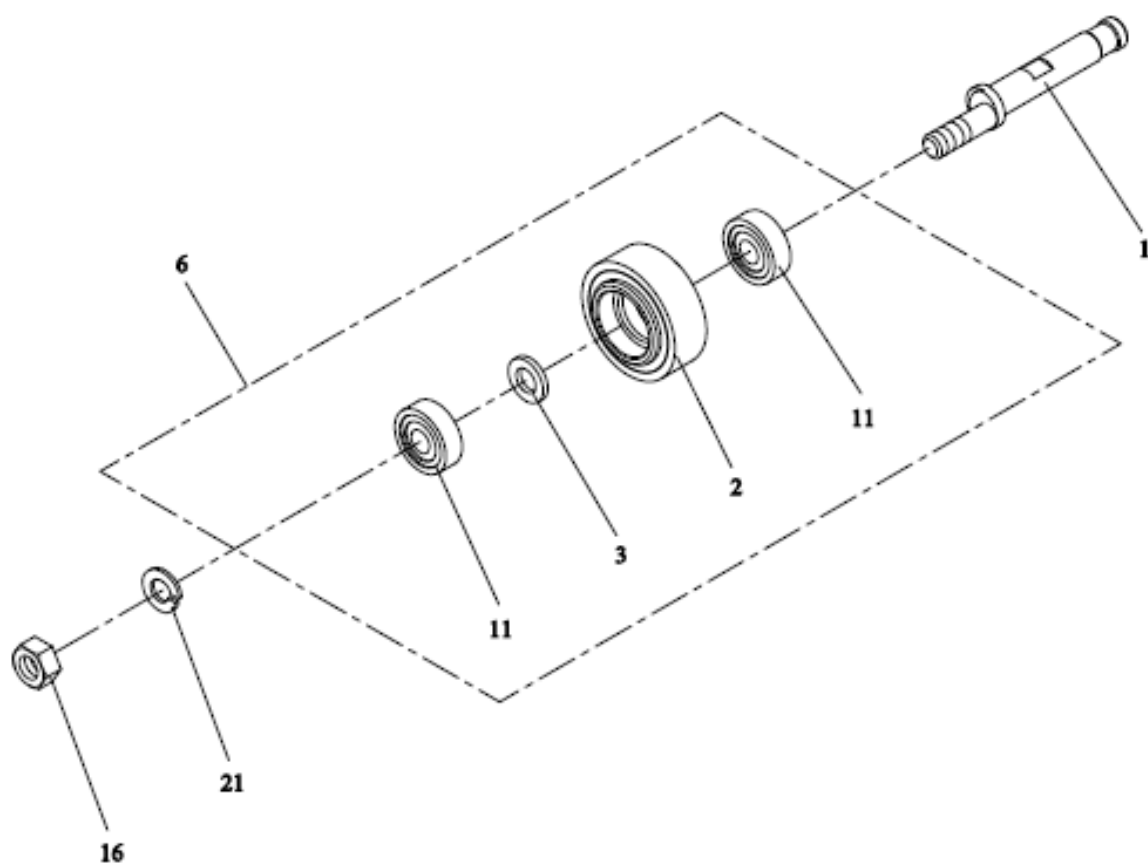
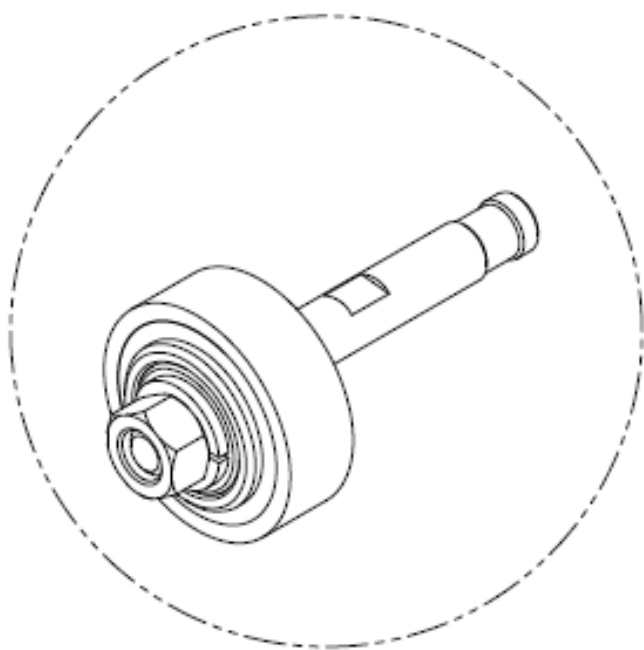
REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQNJ EJ GO 'P Q0
	M7-3-240000	Inlet Strap Guide Ass'y	1	X
	M7-3-240000S	Inlet Strap Guide Ass'y (Stainless Steel Model)	1	X
1	M7-3-241100	Inlet Guide	1	X
	M7-3-241100S	Inlet Guide (Stainless Steel Model)	1	X
2	M7-3-241200	Cover	1	X
	M7-3-241200S	Cover (Stainless Steel Model)	1	X
3	M7-3-241300	Sensor Lever Support	2	205151
	M7-3-241300S	Sensor Lever Support (Stainless Steel Model)	2	X
4	M7-3-241400	Sensor Lever	1	X
5	M7-3-241500	Shaft	1	191832
	M7-3-241500S	Shaft (Stainless Steel Model)	1	X
6	M7-3-241600	Shaft	1	191833
	M7-3-241600P	Shaft (Stainless Steel Model)	1	X
7	M7-3-241700	Sensor Bracket	1	X
	M7-3-241700S	Sensor Bracket (Stainless Steel Model)	1	X
8	M7-3-241800	Bracket	1	X
	M7-3-241800S	Bracket (Stainless Steel Model)	1	X
11	M7-3-313200	Spring	1	191493
16	BR604ZZ	Bearing, 604ZZ	1	X
21	ER03	Snap Ring, E-3	3	191618
	ER03S	Snap Ring, E-3 (Stainless Steel Model)	3	X
22	ER04	Snap Ring, E-4	2	191505
	ER04S	Snap Ring, E-4 (Stainless Steel Model)	2	191846
26	HBS0308N	HBS, M3×8 (N)	4	191497
	HBS0308S	HBS, M3×8 (Stainless Steel Model)	4	X
28	HBS0412N	HBS, M4×12 (N)	3	191161
	HBS0412S	HBS, M4×12 (Stainless Steel Model)	3	205541
30	HBS0512N	HBS, M5×12 (N)	2	190848
	HBS0512S	HBS, M5×12 (Stainless Steel Model)	2	X
33	PMS0316	PMS, M3×16	2	X
	PMS0316S	PMS, M3×16 (Stainless Steel Model)	2	X
34	TMS0410N	TMS, M4×10 (N)	4	205628
	TMS0410S	TMS, M4×10 (Stainless Steel Model)	4	X
36	SW03	SW, M3	6	191590
	SW03S	SW, M3 (Stainless Steel Model)	6	191848



**3-2-4****INLET STRAP GUIDE ASS'Y****M7-3-240000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
37	SW04	SW, M4	7	X
	SW04S	SW, M4 (Stainless Steel Model)	7	X
38	SW05	SW, M5	2	191577
	SW05S	SW, M5 (Stainless Steel Model)	2	X
41	PW04	PW, M4	2	187428
	PW04S	PW, M4 (Stainless Steel Model)	2	205543
42	PW05	PW, M5	2	191578
	PW05S	PW, M5 (Stainless Steel Model)	2	X
45	HN04	HN, M4	1	191604
	HN04S	HN, M4 (Stainless Steel Model)	1	205397





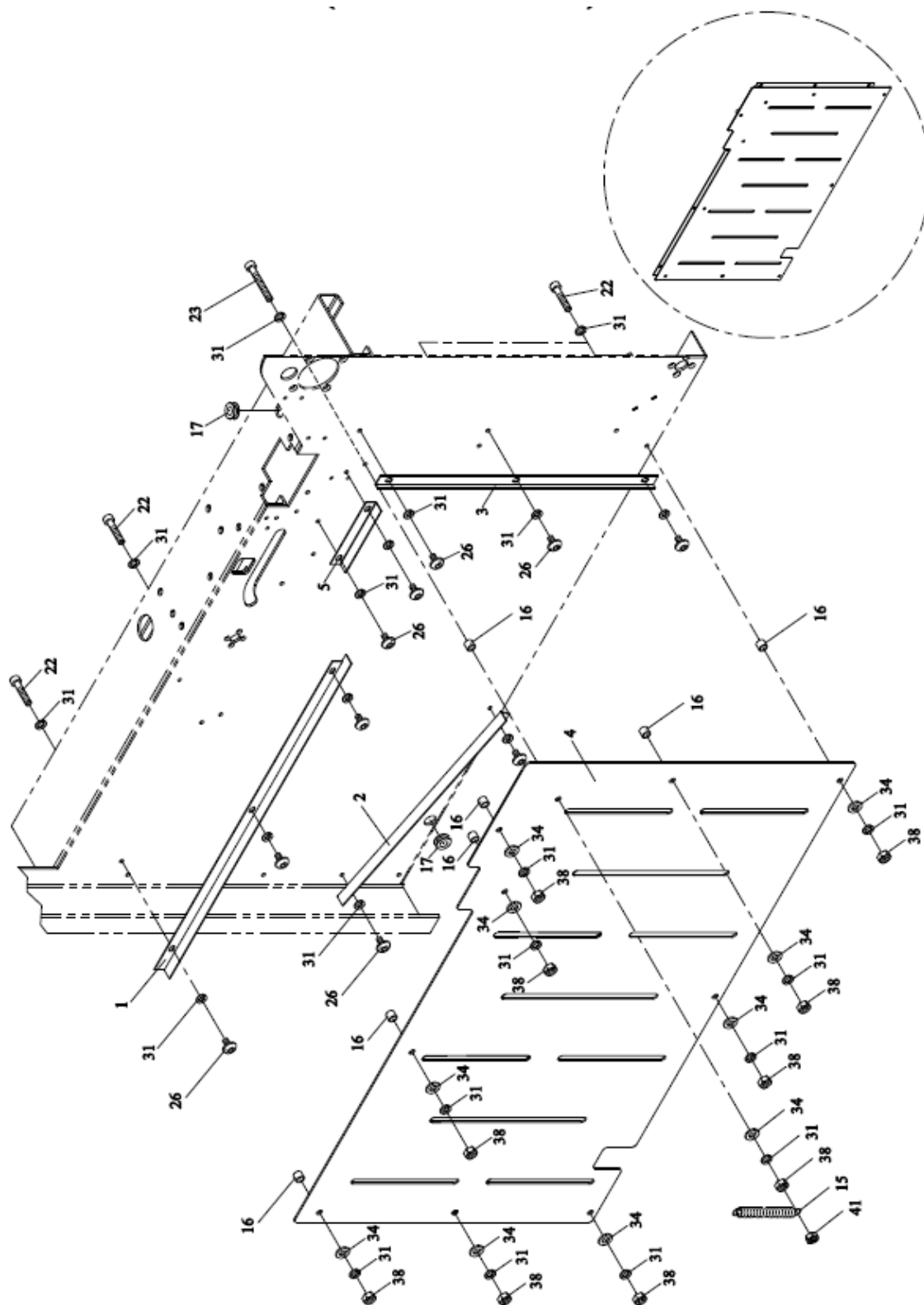
**3-2-5****ASSISTANT ROLLER SHAFT ASS'Y****T7-3-20082**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQNI EJ GO 'P Q0
1	T7-3-20150	Shaft	1	X
2	T7-3-20163	Assistant Roller	1	191754
3	T7-3-20200	Spacer	1	191755
6	T7-3-20102	Assistant Roller Ass'y	1	204529
11	BR608ZZ	Bearing, 608ZZ	2	187783
16	HN08	HN, M8	1	187490
21	SW08	SW, M8	1	191759

3-3  
a.

**ACCUMULATOR BOX GROUP**  
**(For 650W--1050W)**

**M7-3-300020**  
**M7-3-300071**



**3-3****a.****ACCUMULATOR BOX GROUP  
(For 650W~1050W)****M7-3-300020****M7-3-300071**

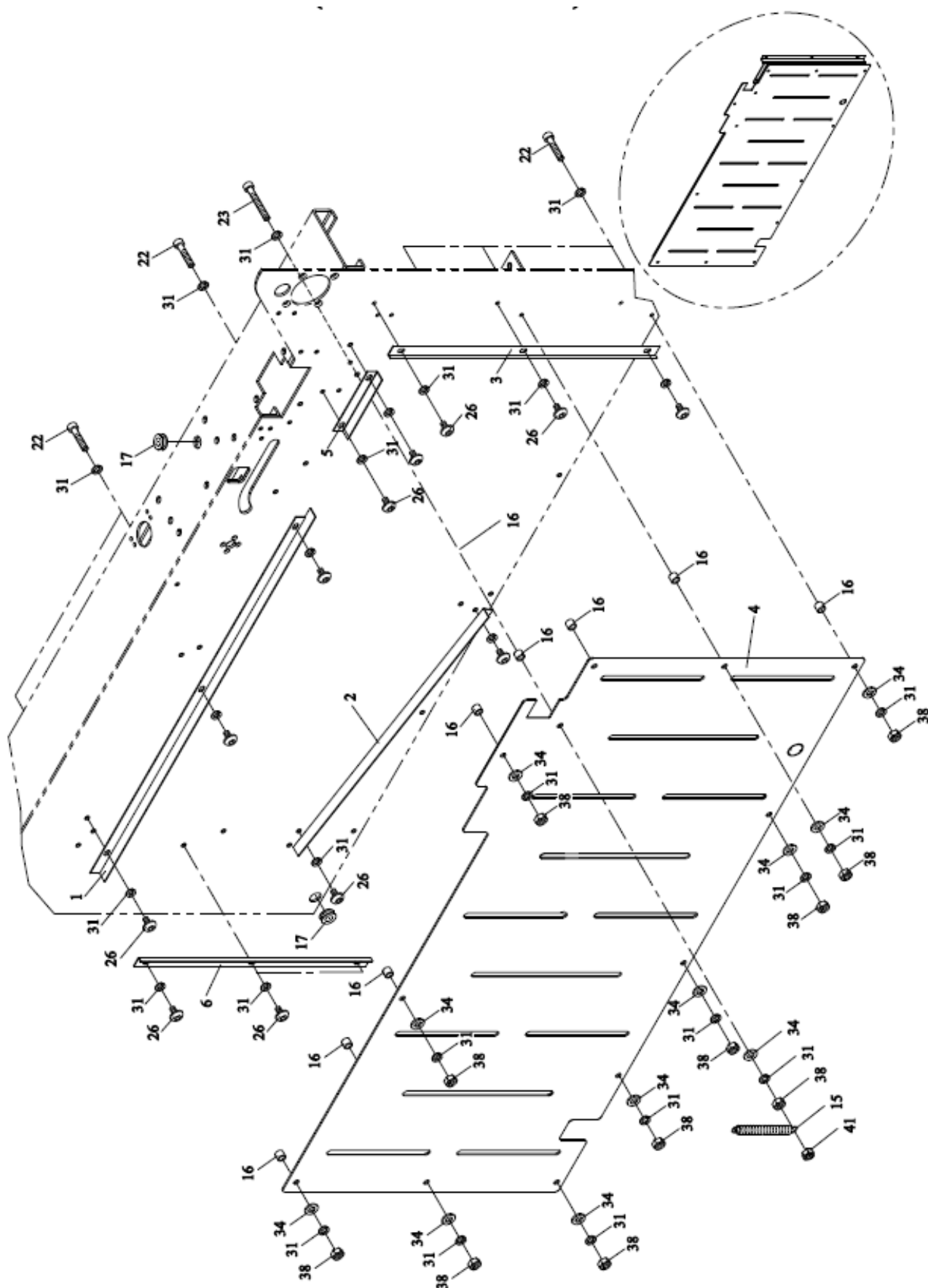
REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
	M7-3-300020	Accumulator Box Group (For 650W)	1	X
	M7-3-300020S	Accumulator Box Group (Stainless Steel Model)(For 650W)	1	X
	M7-3-300071	Accumulator Box Group (For 850W/1050W)	1	X
	M7-3-300071S	Accumulator Box Group (Stainless Steel Model)(For 850W/1050W)	1	X
1	M7-3-301150	Enclosed Plate (For 650W)	1	X
	M7-3-301180	Enclosed Plate (For 850W/1050W)	1	X
2	M7-3-301250	Enclosed Plate (For 650W)	1	X
	M7-3-301280	Enclosed Plate (For 850W/1050W)	1	X
3	M7-3-301330	Enclosed Plate	1	X
4	M7-3-301420	Accumulator Box Cover (For 650W)	1	X
	M7-3-301420S	Accumulator Box Cover (Stainless Steel Model)(For 650W)	1	X
	M7-3-301442	Accumulator Box Cover (For 850W/1050W)	1	X
	M7-3-301442S	Accumulator Box Cover (Stainless Steel Model)(For 850W/1050W)	1	X
5	M7-3-301520	Enclosed Plate (For 850W/1050W)	1	X
15	TC-025	Spring	1	191524
16	T7-3-10263	Collar (For 650W)	10	X
		Collar (For 850W/1050W)	12	
17	T5-4-10580	Grommet	2	191803
22	HBS0635N	HBS, M6×35 (N)(For 650W)	9	X
		HBS, M6×35 (N)(For 850W/1050W)	11	
23	HBS0645N	HBS, M6×45 (N)	1	191757
26	THS0608N	THS, M6×8 (N)(For 650W)	8	X
		THS, M6×8 (N)(For 850W/1050W)	10	
31	SW06	SW, M6 (For 650W)	28	191562
		SW, M6 (For 850W/1050W)	34	X
34	PW06A	PW, M6 (A)(For 650W)	10	191612
		PW, M6 (A)(For 850W/1050W)	12	
38	HN06	HN, M6 (For 650W)	10	191611
		HN, M6 (For 850W/1050W)	12	
41	NTE06	NTE, M6	1	X

3-3

# ACCUMULATOR BOX GROUP (For 1250W/1650W)

M7-3-300081

b.



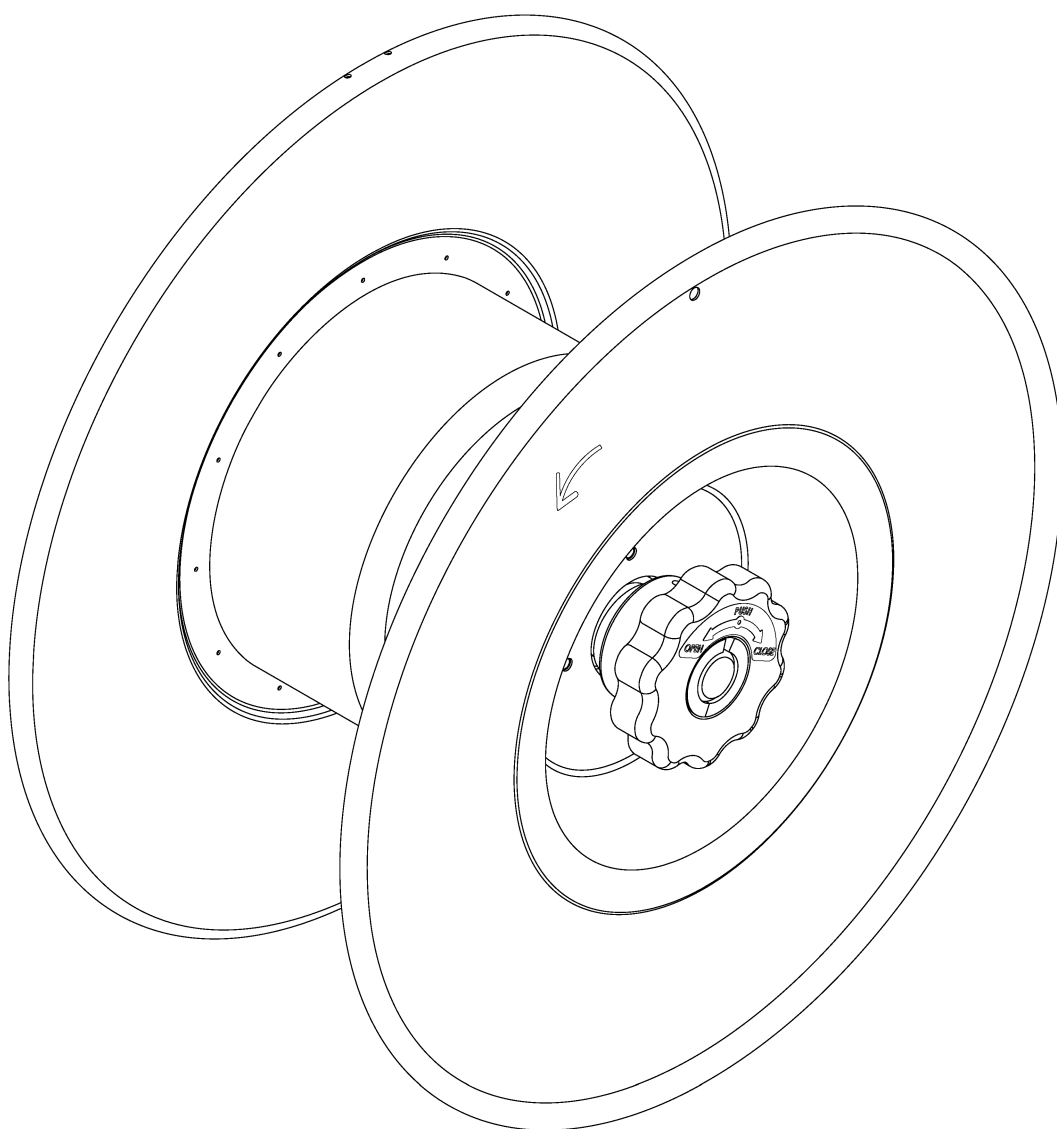
**3-3**  
**b.**

**ACCUMULATOR BOX GROUP**  
**(For 1250W/1650W)**

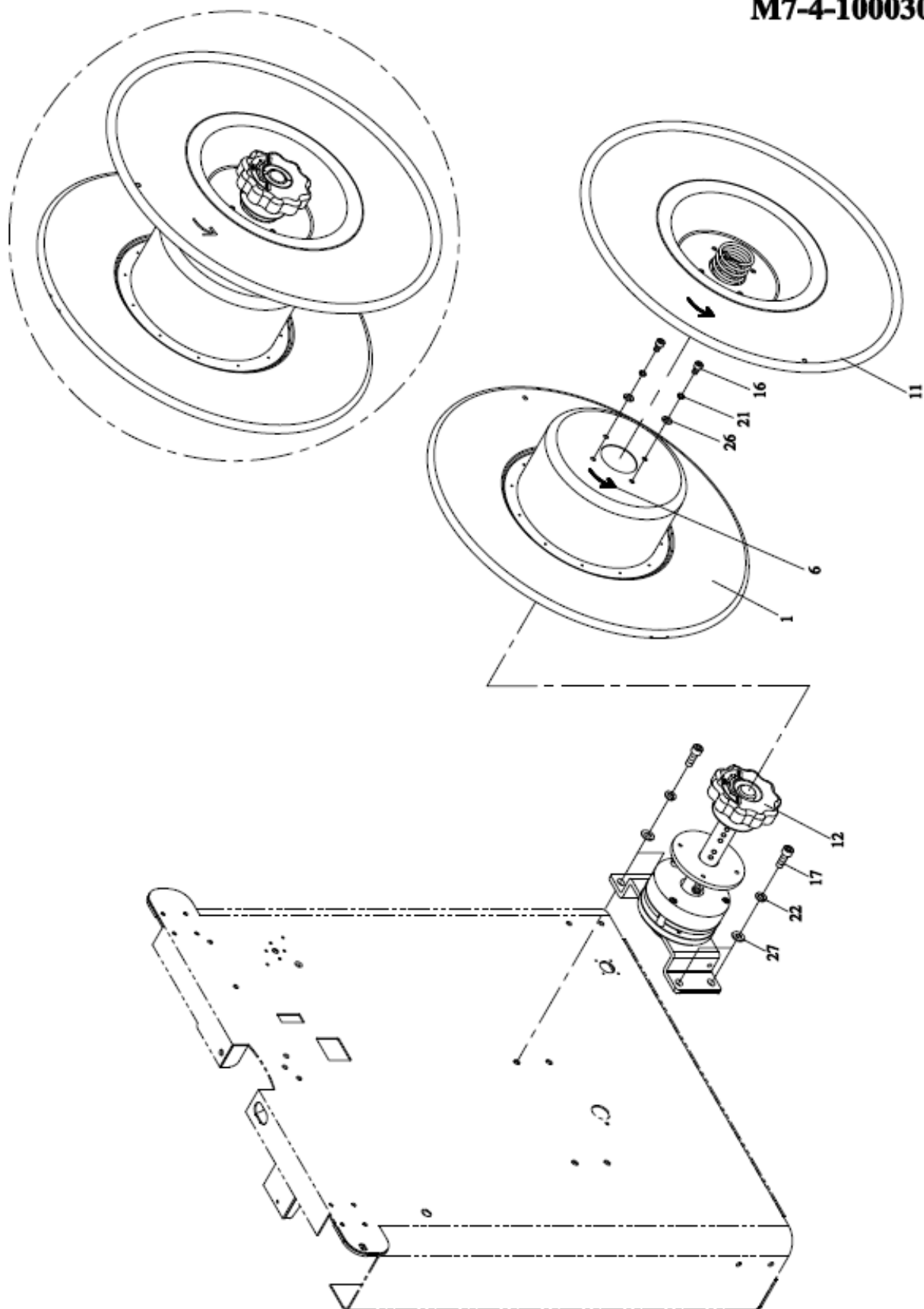
**M7-3-300081**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
	M7-3-300081	Accumulator Box Group (For 1250W/1650W)	1	X
	M7-3-300081S	Accumulator Box Group (Stainless Steel Model)(For 1250W/1650W)	1	X
1	M7-3-301180	Enclosed Plate	1	X
2	M7-3-301280	Enclosed Plate	1	X
3	M7-3-301330	Enclosed Plate	1	X
4	M7-3-301442	Accumulator Box Cover	1	X
	M7-3-301442S	Accumulator Box Cover (Stainless Steel Model)	1	X
5	M7-3-301520	Enclosed Plate	1	X
6	M7-3-301620	Enclosed Plate	1	X
15	TC-025	Spring	1	191524
16	T7-3-10263	Collar	12	X
17	T5-4-10580	Grommet	2	X
22	HBS0635N	HBS, M6×35 (N)	11	X
23	HBS0645N	HBS, M6×45 (N)	1	191757
26	THS0608N	THS, M6×8 (N)	13	X
31	SW06	SW, M6	24	191562
34	PW06A	PW, M6 (A)	12	191612
38	HN06	HN, M6	12	191611
41	NTE06	NTE, M6	1	X





REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
	M7-4-100020	Reel Control Group (For 200mm)	1	(SEE PG. C91) X
	M7-4-100020S	Reel Control Group (Stainless Steel Model) (For 200mm)	1	X
	M7-4-100030	Reel Control Group (For 150mm)(Option)	1	X
	M7-4-100030S	Reel Control Group (Stainless Steel Model) (For 150mm)(Option)	1	X



**4-1**
**REEL CONTROL GROUP**
**M7-4-100020**
**M7-4-100030**

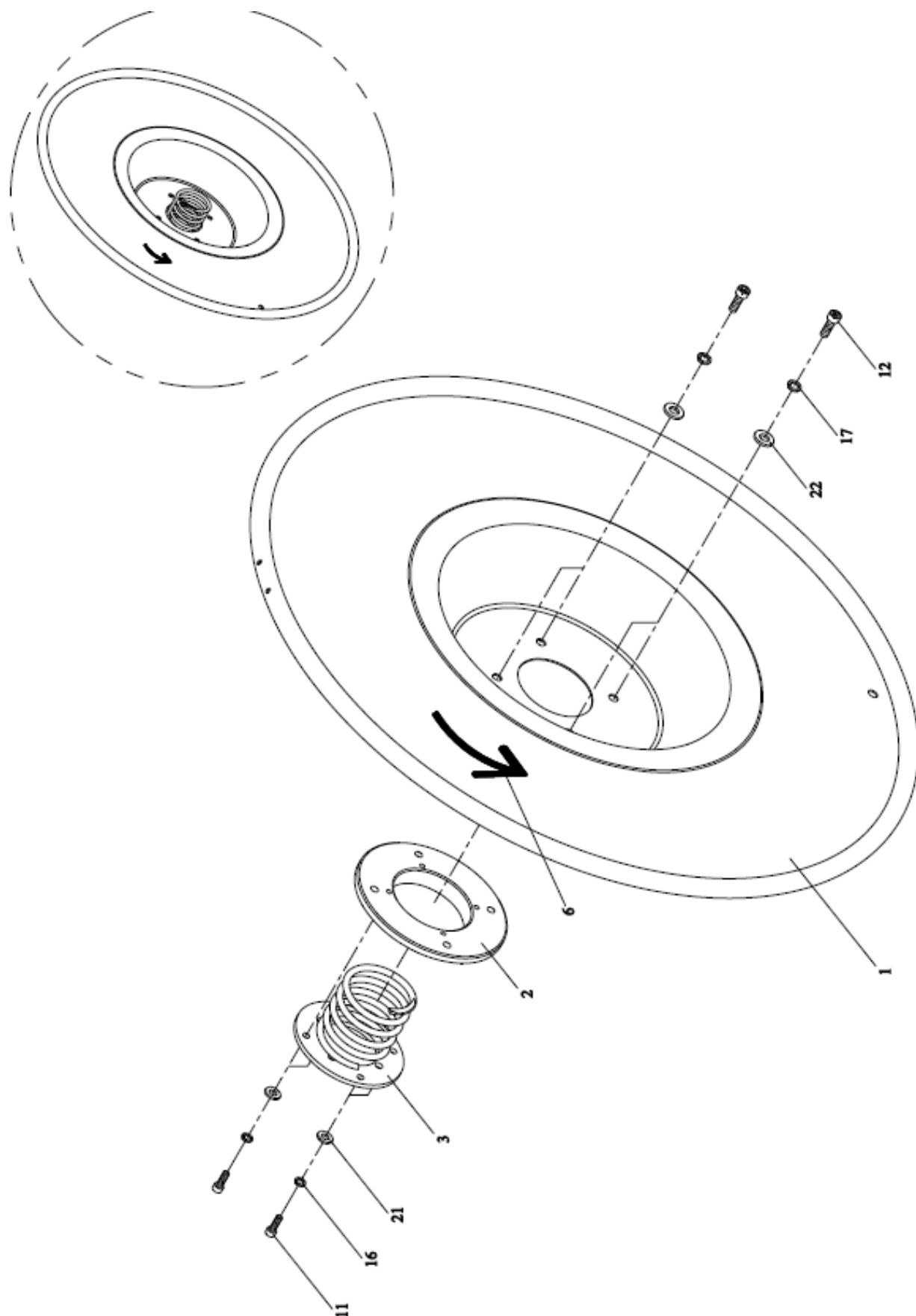
REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
	M7-4-100020	Reel Control Group (For 200mm)	1	X
	M7-4-100020S	Reel Control Group (Stainless Steel Model) (For 200mm)	1	X
	M7-4-100030	Reel Control Group (For 150mm)(Option)	1	X
	M7-4-100030S	Reel Control Group (Stainless Steel Model) (For 150mm)(Option)	1	X
1	M7-4-101100	Inner Flange (For 200mm)	1	<b>191638</b>
	M7-4-101100S	Inner Flange (Stainless Steel Model) (For 200mm)	1	X
	T7-4-10112	Inner Flange (For 150mm)(Option)	1	X
	T7-4-10112S	Inner Flange (Stainless Steel Model) (For 150mm)(Option)	1	X
6	LA-30200	Label	1	203461
11	M7-4-110020	Outer Flange Ass'y (For 200mm)	1	(SEE PG. C93) X
	M7-4-110020S	Outer Flange Ass'y (Stainless Steel Model) (For 200mm)	1	X
	M7-4-110030	Outer Flange Ass'y (For 150mm)(Option)	1	X
	M7-4-110030S	Outer Flange Ass'y (Stainless Steel Model) (For 150mm)(Option)	1	X
12	M7-4-120020	Reel Crank Ass'y (For 200mm)	1	(SEE PG. C95) X
	M7-4-120020S	Reel Crank Ass'y (Stainless Steel Model) (For 200mm)	1	X
	M7-4-120030	Reel Crank Ass'y (For 150mm)(Option)	1	X
	M7-4-120030S	Reel Crank Ass'y (Stainless Steel Model) (For 150mm)(Option)	1	X
16	HBS0610N	HBS, M6×10 (N)	4	X
	HBS0610S	HBS, M6×10 (Stainless Steel Model)	4	X
17	HBS0825N	HBS, M8×25 (N)	4	X
	HBS0825S	HBS, M8×25 (Stainless Steel Model)	4	X
21	SW06	SW, M6	4	191562
	SW06S	SW, M6 (Stainless Steel Model)	4	205539
22	SW08	SW, M8	4	191759
	SW08S	SW, M8 (Stainless Steel Model)	4	X
26	PW06A	PW, M6 (A)	4	191612
	PW06AS	PW, M6 (A) (Stainless Steel Model)	4	X
27	PW08C	PW, M8 (C)	4	191760
	PW08CS	PW, M8 (C) (Stainless Steel Model)	4	X

4-1-1

# OUTER FLANGE ASS'Y

M7-4-110020

M7-4-110030



**4-1-1**
**OUTER FLANGE ASS'Y**
**M7-4-110020**
**M7-4-110030**

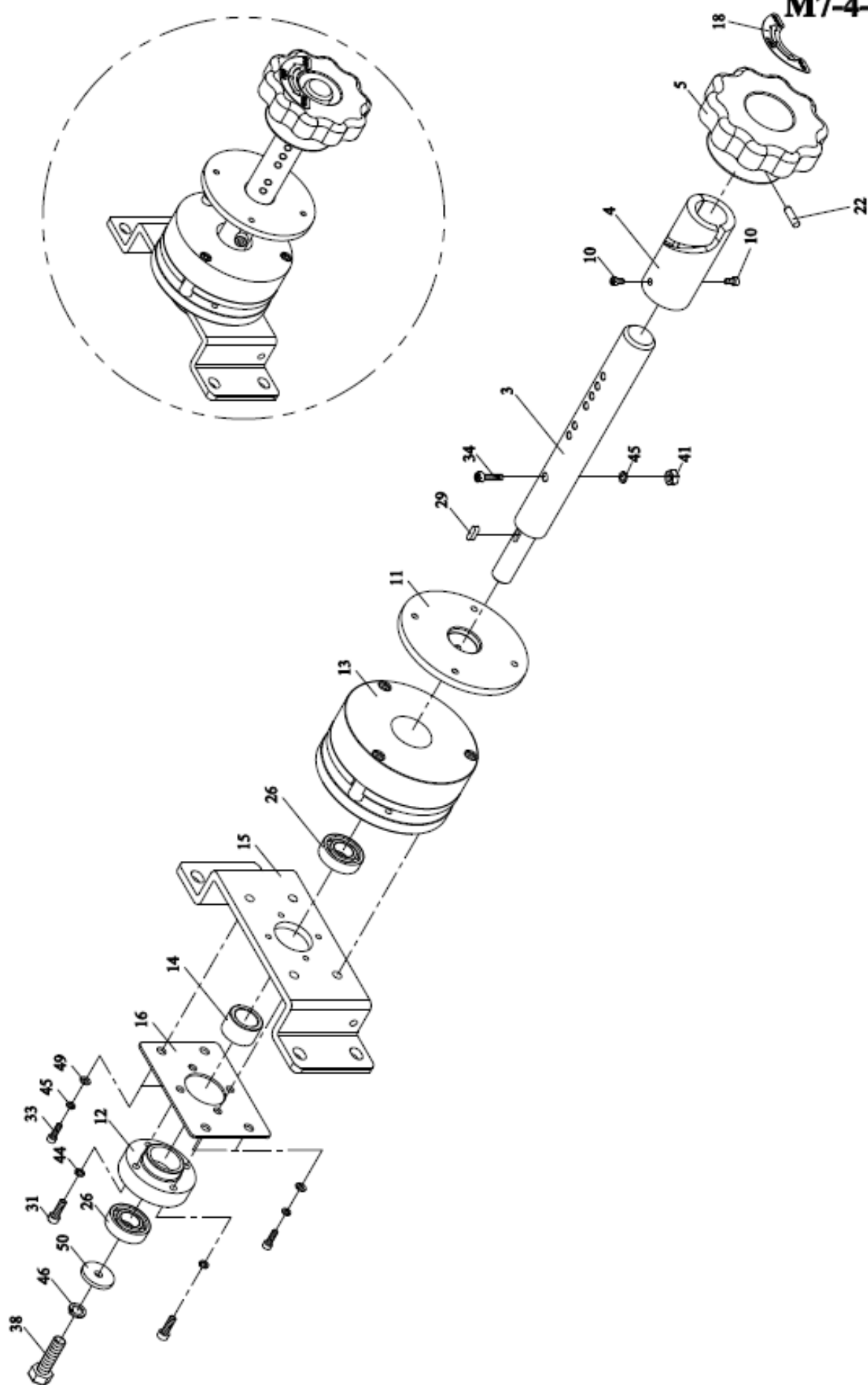
REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
1	M7-4-110020	Outer Flange Ass'y (For 200mm)	1	X
	M7-4-110020S	Outer Flange Ass'y (Stainless Steel Model) (For 200mm)	1	X
	M7-4-110030	Outer Flange Ass'y (For 150mm)(Option)	1	X
	M7-4-110030S	Outer Flange Ass'y (Stainless Steel Model) (For 150mm)(Option)	1	X
	M7-4-111100	Outer Flange (For 200mm)	1	X
	M7-4-111100S	Outer Flange (Stainless Steel Model) (For 200mm)	1	X
	T7-4-10122	Outer Flange (For 150mm)(Option)	1	X
	T7-4-10122S	Outer Flange (Stainless Steel Model) (For 150mm)(Option)	1	X
	M7-4-111200	Plate	1	X
	M7-4-111200S	Plate (Stainless Steel Model)	1	X
3	M7-4-111300	Spring	1	X
	M7-4-111300S	Spring (Stainless Steel Model)	1	X
6	LA-30200	Label	1	203461
11	HBS0416N	HBS, M4×16 (N)	4	X
	HBS0416S	HBS, M4×16 (Stainless Steel Model)	4	X
12	HBS0610N	HBS, M6×10 (N)	4	X
	HBS0610S	HBS, M6×10 (Stainless Steel Model)	4	X
16	SW04	SW, M4	4	X
	SW04S	SW, M4 (Stainless Steel Model)	4	X
17	SW06	SW, M6	4	191562
	SW06S	SW, M6 (Stainless Steel Model)	4	205539
21	PW04	PW, M4	4	187428
	PW04S	PW, M4 (Stainless Steel Model)	4	205543
22	PW06A	PW, M6 (A)	4	191612
	PW06AS	PW, M6 (A)(Stainless Steel Model)	4	X

4-1-2

# REEL CRANK ASS'Y

M7-4-120020

M7-4-120030



**4-1-2**
**REEL CRANK ASS'Y**
**M7-4-120020**
**M7-4-120030**

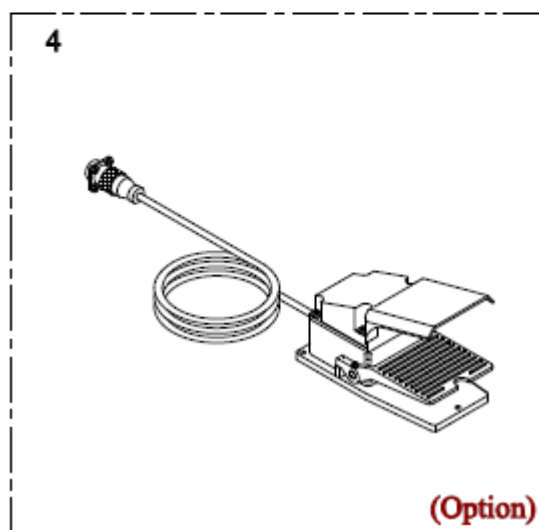
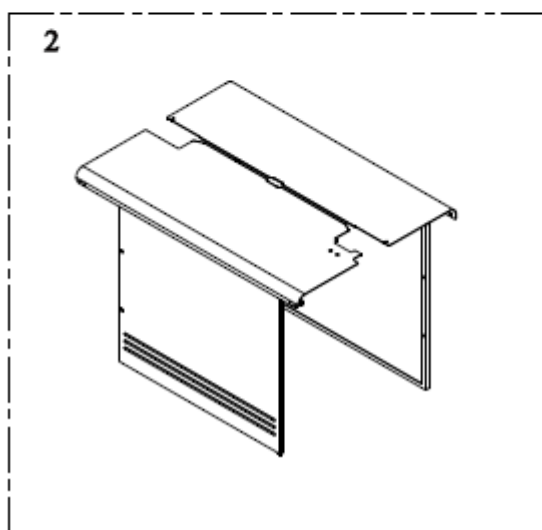
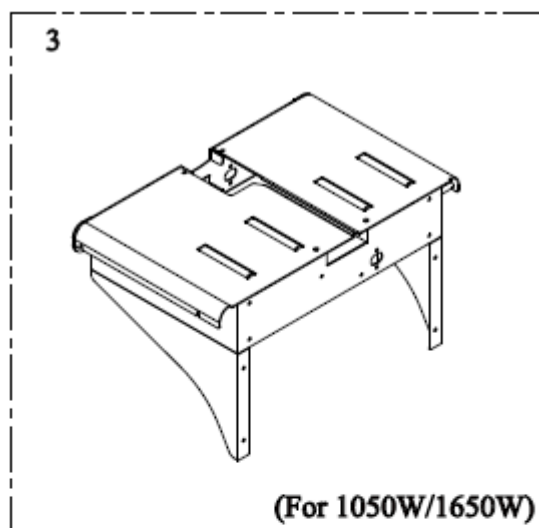
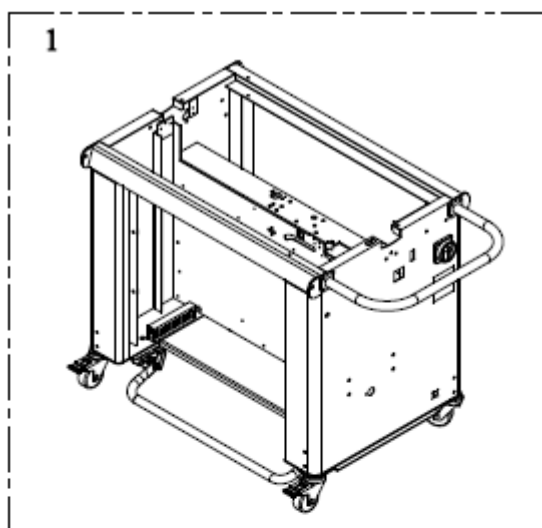
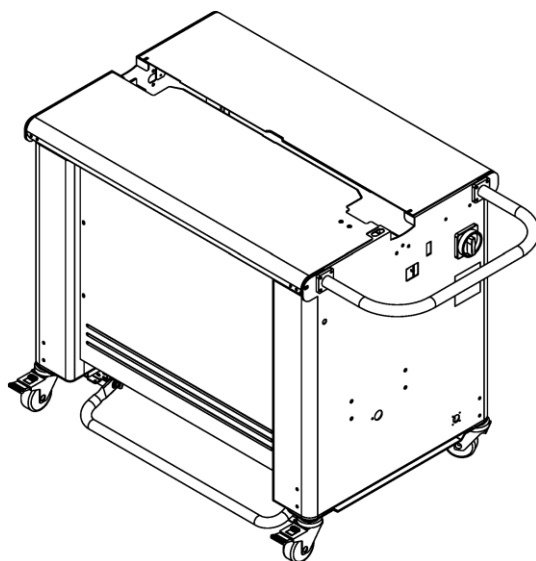
REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P QO
	M7-4-120020	Reel Crank Ass'y (For 200mm)	1	X
	M7-4-120020S	Reel Crank Ass'y (Stainless Steel Model) (For 200mm)	1	X
	M7-4-120030	Reel Crank Ass'y (For 150mm)(Option)	1	X
	M7-4-120030S	Reel Crank Ass'y (Stainless Steel Model) (For 150mm)(Option)	1	X
3	M7-4-121321	Shaft (For 200mm)	1	X
	M7-4-121321S	Shaft (Stainless Steel Model)(For 200mm)	1	205609
	M7-4-121331	Shaft (For 150mm)(Option)	1	X
	M7-4-121331S	Shaft (Stainless Steel Model)(For 150mm) (Option)	1	X
4	M7-4-121401	Shaft	1	191793
5	M7-4-121500	Reel Nut Handle	1	191716
10	M7-4-122000	Screw, M6×8	2	X
	M7-4-122000S	Screw, M6×8 (Stainless Steel Model)	2	X
11	T7-4-10140	Plate	1	191605
	T7-4-10140S	Plate (Stainless Steel Model)	1	X
12	T7-4-20160	Bearing Support	1	191812
	T7-4-20160S	Bearing Support (Stainless Steel Model)	1	X
13	T7-4-20170	Brake For Reel	1	191555
14	T7-4-20320	Spacer	1	X
15	T7-4-20310	Support	1	X
	T7-4-20310S	Support (Stainless Steel Model)	1	X
16	T7-4-20250	Washer	1	X
	T7-4-20250S	Washer (Stainless Steel Model)	1	X
18	LA-30230	Label	1	X
22	MSA0620	Lock Pin, ⅜×20	1	191718
26	BR6002ZZ	Bearing, 6002ZZ	2	187782
29	KYA050515	Key, 5×5×15	1	X
31	HBS0516N	HBS, M5×16 (N)	4	191700
	HBS0516S	HBS, M5×16 (Stainless Steel Model)	4	205331
33	HBS0620N	HBS, M6×20 (N)	4	191726
	HBS0620S	HBS, M6×20 (Stainless Steel Model)	4	X
34	HBS0645N	HBS, M6×45 (N)	1	191757
38	HBW0820L	HBW, M8×20 (LH)	1	191758
41	HN06	HN, M6	1	191611



**4-1-2****REEL CRANK ASS'Y****M7-4-120020****M7-4-120030**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
44	SW05	SW, M5	4	191577
	SW05S	SW, M5 (Stainless Steel Model)	4	X
45	SW06	SW, M6	5	191562
	SW06S	SW, M6 (Stainless Steel Model)	5	205539
46	SW08	SW, M8	1	191759
	SW08S	SW, M8 (Stainless Steel Model)	1	X
49	PW06C	PW, M6 (C)	4	191561
	PW06CS	PW, M6 (C)(Stainless Steel Model)	4	205534
50	PW08C	PW, M8 (C)	1	191760
	PW08CS	PW, M8 (C)(Stainless Steel Model)	1	X





REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQNJ EJ GO 'P QO
1	M7-5-900111	Body Frame Unit (For 650W)	1	X
	M7-5-900111S	Body Frame Unit (Stainless Steel Model) (For 650W)	1	X
	M7-5-900121	Body Frame Unit (For 850W)	1	X
	M7-5-900121S	Body Frame Unit (Stainless Steel Model) (For 850W)	1	X
	M7-5-900131	Body Frame Unit (For 1050W)	1	X
	M7-5-900131S	Body Frame Unit (Stainless Steel Model) (For 1050W)	1	X
	M7-5-900141	Body Frame Unit (For 1250W)	1	X
	M7-5-900141S	Body Frame Unit (Stainless Steel Model) (For 1250W)	1	X
	M7-5-900151	Body Frame Unit (For 1650W)	1	X
	M7-5-900151S	Body Frame Unit (Stainless Steel Model) (For 1650W)	1	X
	M7-5-100111	Body Frame With Foot Bar Group (For 650W)	1	(SEE PG. C103) X
	M7-5-100111S	Body Frame With Foot Bar Group (Stainless Steel Model)(For 650W)	1	X
	M7-5-100121	Body Frame With Foot Bar Group (For 850W/1050W)	1	X
	M7-5-100121S	Body Frame With Foot Bar Group (Stainless Steel Model)(For 850W/1050W)	1	X
	M7-5-100131	Body Frame With Foot Bar Group (For 1250W/1650W)	1	X
	M7-5-100131S	Body Frame With Foot Bar Group (Stainless Steel Model)(For 1250W/1650W)	1	X
	M7-5-200111	Cover Group (For 650W)	1	(SEE PG.C111) X
	M7-5-200111S	Cover Group (Stainless Steel Model) (For 650W)	1	X
	M7-5-200121	Cover Group (For 850W)	1	X
	M7-5-200121S	Cover Group (Stainless Steel Model) (For 850W)	1	X
2	M7-5-200131	Cover Group (For 1050W)	1	X
	M7-5-200131S	Cover Group (Stainless Steel Model) (For 1050W)	1	X
	M7-5-200141	Cover Group (For 1250W)	1	X
	M7-5-200141S	Cover Group (Stainless Steel Model) (For 1250W)	1	X
	M7-5-200151	Cover Group (For 1650W)	1	X
	M7-5-200151S	Cover Group (Stainless Steel Model) (For 1650W)	1	X

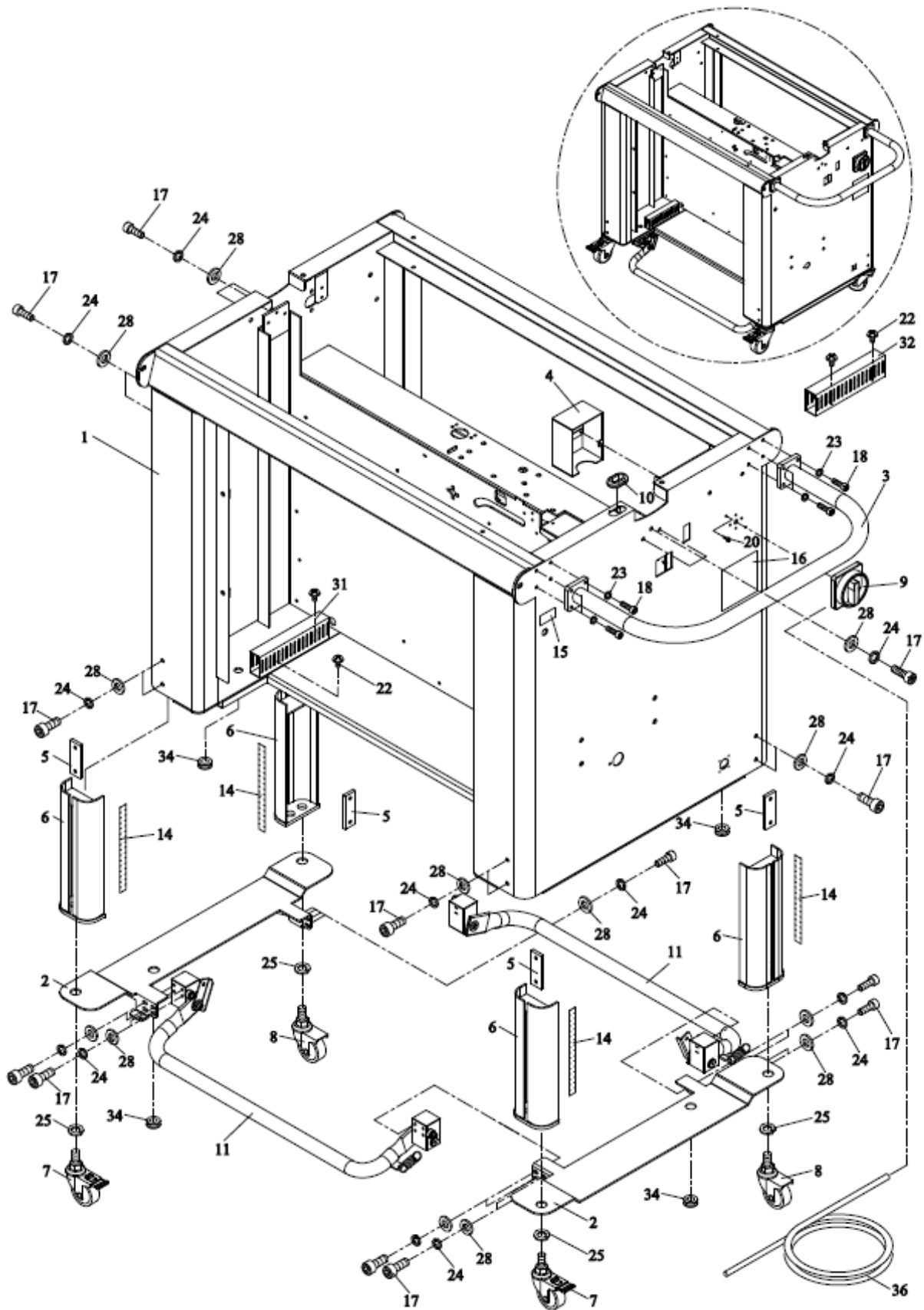
REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
3	M7-5-300041	Extension Table Group (For 1050W)	1	(SEE PG.C127) X
	M7-5-300041S	Extension Table Group (Stainless Steel Model) (For 1050W)	1	X
	M7-5-300051	Extension Table Group (For 1650W)	1	X
	M7-5-300051S	Extension Table Group (Stainless Steel Model) (For 1650W)	1	X
4	T7-6-40001	Pedal Control Set (Option)	1	(SEE PG.C135) 191529



5-1

# BODY FRAME WITH FOOT BAR GROUP

M7-5-100111  
M7-5-100121  
-----



**5-1**
**BODY FRAME WITH  
FOOT BAR GROUP**
**M7-5-100111  
M7-5-100121**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P QO
	M7-5-100111	Body Frame With Foot Bar Group (For 650W)	1	X
	M7-5-100111S	Body Frame With Foot Bar Group (Stainless Steel Model)(For 650W)	1	X
	M7-5-100121	Body Frame With Foot Bar Group (For 850W/1050W)	1	X
	M7-5-100121S	Body Frame With Foot Bar Group (Stainless Steel Model)(For 850W/1050W)	1	X
	M7-5-100131	Body Frame With Foot Bar Group (For 1250W/1650W)	1	X
	M7-5-100131S	Body Frame With Foot Bar Group (Stainless Steel Model)(For 1250W/1650W)	1	X
1	M7-5-102101	Body Frame (For 650W)	1	X
	M7-5-102101S	Body Frame (Stainless Steel Model)(For 650W)	1	X
	M7-5-102111	Body Frame (For 850W/1050W)	1	X
	M7-5-102111S	Body Frame (Stainless Steel Model) (For 850W/1050W)	1	X
	M7-5-102121	Body Frame (For 1250W/1650W)	1	X
	M7-5-102121S	Body Frame (Stainless Steel Model) (For 1250W/1650W)	1	X
2	M7-5-101202	Support	2	191531
	M7-5-101202S	Support (Stainless Steel Model)	2	X
3	M7-5-102201	Protect Arm (For 650W)	1	X
	M7-5-102201S	Protect Arm (Stainless Steel Model) (For 650W)	1	X
	M7-5-102211	Protect Arm (For 850W/1050W)	1	X
	M7-5-102211S	Protect Arm (Stainless Steel Model) (For 850W/1050W)	1	X
4	M7-5-101900	Cover	1	X
5	T7-5-10150	Fix Plate	4	X
	T7-5-10150S	Fix Plate (Stainless Steel Model)	4	X
6	M7-5-101700	Adjusment Leg	4	X
	M7-5-101700S	Adjusment Leg (Stainless Steel Model)	4	X
7	T7-5-10170	Caster (Brake)	2	191491
	T7-5-10170S	Caster (Brake)(Stainless Steel Model)	2	203119
8	T7-5-10180	Caster (Free)	2	191586
	T7-5-10180S	Caster (Free)(Stainless Steel Model)	2	203120
9	TK-001	Main Power Switch	1	191854
10	M7-5-102000	Grommet	1	204725
11	M7-5-110020	Foot Bar Ass'y (For 650W)	1	SEE PG. C107
		Foot Bar Ass'y (For 650W)(Option)	2	



5-1

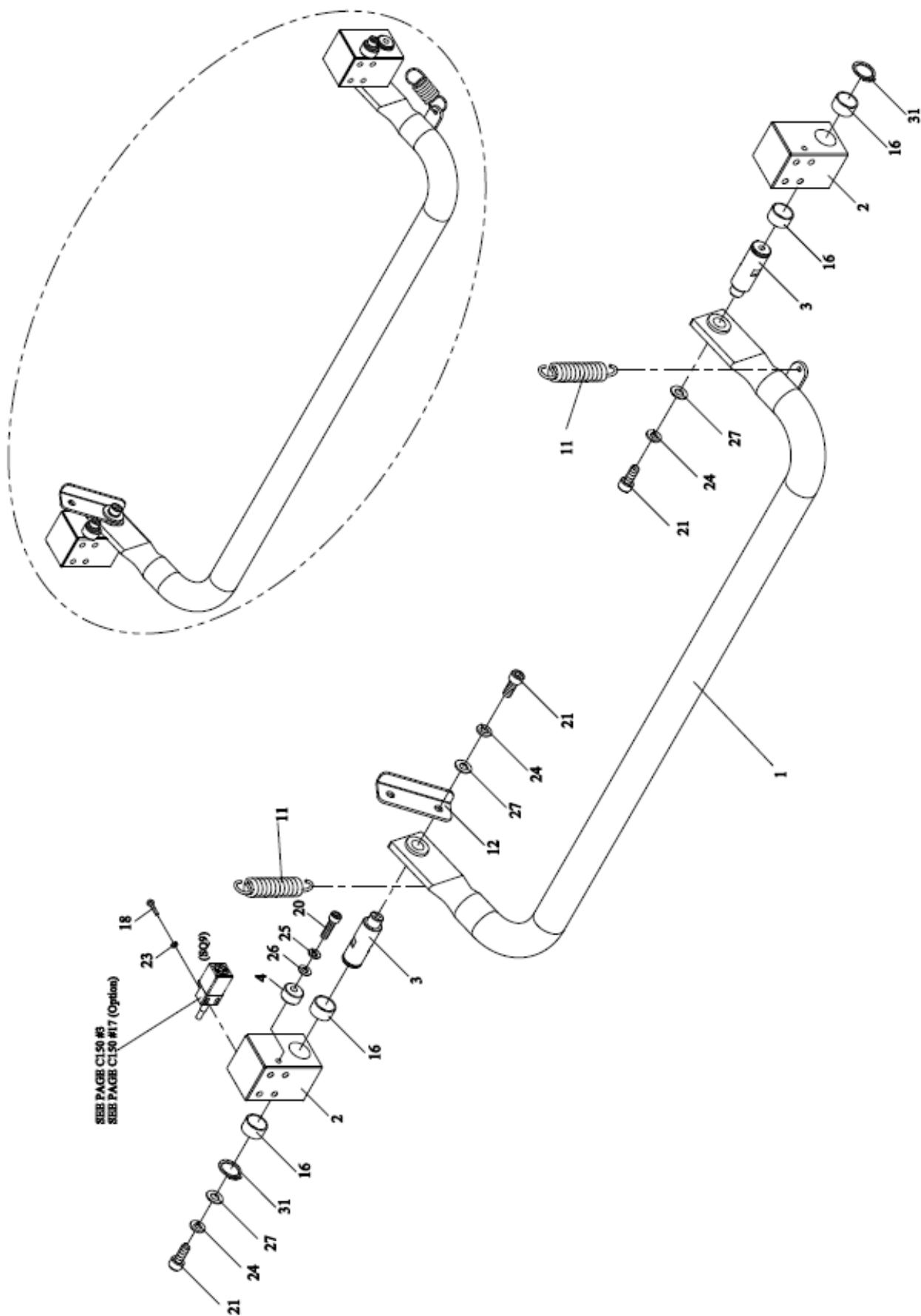
**BODY FRAME WITH  
FOOT BAR GROUP**

**M7-5-100111  
M7-5-100121**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P QO
	M7-5-110020S	Foot Bar Ass'y (Stainless Steel Model) (For 650W)	1	X
		Foot Bar Ass'y (Stainless Steel Model) (For 650W)(Option)	2	
	M7-5-110030	Foot Bar Ass'y (For 850W/1050W)	1	191533
		Foot Bar Ass'y (For 850W/1050W)(Option)	2	
	M7-5-110030S	Foot Bar Ass'y (Stainless Steel Model) (For 850W/1050W)	1	X
		Foot Bar Ass'y (Stainless Steel Model) (For 850W/1050W)(Option)	2	
	M7-5-110040	Foot Bar Ass'y (For 1250W/1650W)	1	191534
		Foot Bar Ass'y (For 1250W/1650W)(Option)	2	
	M7-5-110040S	Foot Bar Ass'y (Stainless Steel Model) (For 1250W/1650W)	1	X
		Foot Bar Ass'y (Stainless Steel Model) (For 1250W/1650W)(Option)	2	
14	LA-50094	Label	4	X
15	LA-30220	Label (Reel Brake Release)	1	X
16	LA-30260	Label	1	X
17	HBS0616N	HBS, M6×16 (N)	22	191544
		HBS, M6×16 (N)(Option)	30	
	HBS0616S	HBS, M6×16 (Stainless Steel Model)	22	204086
		HBS, M6×16 (Stainless Steel Model)(Option)	30	
18	HBS0520N	HBS, M5×20 (N)(For 650W~1050W)	8	191665
	HBS0520S	HBS, M5×20 (Stainless Steel Model) (For 650W~1050W)	8	X
20	PMS0312	PMS, M3×12	2	X
22	TMS0406	TMS, M4×6	2	X
		TMS, M4×6 (Option)	4	
23	SW05	SW, M5 (For 650W~1050W)	8	191577
	SW05S	SW, M5 (Stainless Steel Model) (For 650W~1050W)	8	X
24	SW06	SW, M6	22	191562
		SW, M6 (Option)	30	
	SW06S	SW, M6 (Stainless Steel Model)	22	205539
		SW, M6 (Stainless Steel Model)(Option)	30	
25	SW16	SW, M16	4	X
	SW16S	SW, M16 (Stainless Steel Model)	4	X

**5-1****BODY FRAME WITH  
FOOT BAR GROUP****M7-5-100111  
M7-5-100121**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
28	PW06A	PW, M6 (A)	22	191612
		PW, M6 (A)(Option)	30	
	PW06AS	PW, M6 (A)(Stainless Steel Model)	22	X
		PW, M6 (A)(Stainless Steel Model)(Option)	30	
31	WD25450170	Wire Duct 25×45×170	1	X
32	WD25450110	Wire Duct 25×45×110 (Option)	1	X
34	T5-4-10580	Grommet	2	191803
		Grommet (Option)	4	
36	EW720106C003	Wire Ass'y	1	X



**5-1-1****FOOT BAR ASS'Y****M7-5-110020****M7-5-110030**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P QO
	M7-5-110020	Foot Bar Ass'y (For 650W)	1	<b>191532</b>
	M7-5-110020S	Foot Bar Ass'y (Stainless Steel Model) (For 650W)	1	<b>X</b>
	M7-5-110030	Foot Bar Ass'y (For 850W/1050W)	1	<b>191533</b>
	M7-5-110030S	Foot Bar Ass'y (Stainless Steel Model) (For 850W/1050W)	1	<b>X</b>
	M7-5-110040	Foot Bar Ass'y (For 1250W/1650W)	1	<b>191534</b>
	M7-5-110040S	Foot Bar Ass'y (Stainless Steel Model) (For 1250W/1650W)	1	<b>X</b>
1	M7-5-111120	Foot Bar (For 650W)	1	X
	M7-5-111120S	Foot Bar (Stainless Steel Model) (For 650W)	1	204079
	M7-5-111130	Foot Bar (For 850W/1050W)	1	X
	M7-5-111130S	Foot Bar (Stainless Steel Model) (For 850W/1050W)	1	X
	M7-5-111140	Foot Bar (For 1250W/1650W)	1	X
	M7-5-111140S	Foot Bar (Stainless Steel Model) (For 1250W/1650W)	1	X
2	M7-5-111201	Block	2	191662
3	M7-5-111300	Shaft	2	191608
	M7-5-111300S	Shaft (Stainless Steel Model)	2	X
4	M7-5-111400	Adjuster	1	191664
	M7-5-111400S	Adjuster (Stainless Steel Model)	1	X
11	TB-114	Return Spring	2	191480
	TB-114S	Return Spring (Stainless Steel Model)	2	191679
12	T7-5-30141	Sensor Plate	1	191560
16	MB1510	Metal Bushing, 1510	4	191652
18	PMS0320	PMS, M3×20	2	191663
	PMS0320S	PMS, M3×20 (Stainless Steel Model)	2	X
20	HBS0520N	HBS, M5×20 (N)	1	191665
	HBS0520S	HBS, M5×20 (Stainless Steel Model)	1	X
21	HBS0612N	HBS, M6×12 (N)	3	191563
	HBS0612S	HBS, M6×12 (Stainless Steel Model)	3	205542
23	SW03	SW, M3	2	191590
	SW03S	SW, M3 (Stainless Steel Model)	2	191848

**5-1-1****FOOT BAR ASS'Y****M7-5-110020****M7-5-110030**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
24	SW06	SW, M6	3	191562
	SW06S	SW, M6 (Stainless Steel Model)	3	205539
25	SW05	SW, M5	1	191577
	SW05S	SW, M5 (Stainless Steel Model)	1	X
26	PW05	PW, M5	1	191578
	PW05S	PW, M5 (Stainless Steel Model)	1	X
27	PW06C	PW, M6 (C)	3	191561
	PW06CS	PW, M6 (C)(Stainless Steel Model)	3	205534
31	SR15	Stop Ring, S-15	2	191804
	SR15S	Stop Ring, S-15 (Stainless Steel Model)	2	X





**5-2**
**COVER GROUP**
**M7-5-200111**
**M7-5-200121**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQNJ EJ GO 'P Q0
	M7-5-200111	Cover Group (For 650W)	1	X
	M7-5-200111S	Cover Group (Stainless Steel Model) (For 650W)	1	X
	M7-5-200121	Cover Group (For 850W)	1	X
	M7-5-200121S	Cover Group (Stainless Steel Model) (For 850W)	1	X
	M7-5-200131	Cover Group (For 1050W)	1	X
	M7-5-200131S	Cover Group (Stainless Steel Model) (For 1050W)	1	X
	M7-5-200141	Cover Group (For 1250W)	1	X
	M7-5-200141S	Cover Group (Stainless Steel Model) (For 1250W)	1	X
	M7-5-200151	Cover Group (For 1650W)	1	X
	M7-5-200151S	Cover Group (Stainless Steel Model) (For 1650W)	1	X
1	M7-5-201111	Front Door (For 650W)	1	X
	M7-5-201111S	Front Door (Stainless Steel Model)(For 650W)	1	X
	M7-5-201121	Front Door (For 850W/1050W)	1	X
	M7-5-201121S	Front Door (Stainless Steel Model) (For 850W/1050W)	1	X
	M7-5-201130	Front Door (For 1250W/1650W)	1	X
	M7-5-201130S	Front Door (Stainless Steel Model) (For 1250W/1650W)	1	X
3	M7-5-201311	Rear Door (For 650W)	1	X
	M7-5-201311S	Rear Door (Stainless Steel Model)(For 650W)	1	X
	M7-5-201320	Rear Door (For 850W~1650W)	1	X
	M7-5-201320S	Rear Door (Stainless Steel Model) (For 850W~1650W)	1	X
4	M7-5-201421	Upper Table Rear (For 650W)	1	191697
	M7-5-201421S	Upper Table Rear (Stainless Steel Model) (For 650W)	1	X
	M7-5-201431	Upper Table Rear (For Photo Eye)(For 650W) (Option)	1	191704
	M7-5-201431S	Upper Table Rear (For Photo Eye)(Stainless Steel Model)(For 650W)(Option)	1	X
5	M7-6-102100	Handle (Option)	1	191606
	M7-6-102100S	Handle (Stainless Steel Model)(Option)	1	X
6	M7-5-201600	Cover (For 650W/850W/1250W)	1	X
	M7-5-201600S	Cover (Stainless Steel Model) (For 650W/850W/1250W)	1	X
7	M7-5-201701	Table Support	2	191508
	M7-5-201701S	Table Support (Stainless Steel Model)	2	191603



**5-2**
**COVER GROUP**
**M7-5-200111**
**M7-5-200121**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P QO
8	M7-5-202500	Bracket (Option)	1	191607
10	M7-5-202200	Guide LH Plate (For 1050W/1650W)	1	X
11	M7-5-210021	Upper Table Front Ass'y (For 650W)	1	(SEE PG. C117) X
	M7-5-210021S	Upper Table Front Ass'y (Stainless Steel Model)(For 650W)	1	X
12	M7-5-220021	Upper Table Front Ass'y (For 850W)	1	(SEE PG.C119) 191645
	M7-5-220021S	Upper Table Front Ass'y (Stainless Steel Model)(For 850W)	1	X
	M7-5-220031	Upper Table Front Ass'y (For 1050W)	1	X
	M7-5-220031S	Upper Table Front Ass'y (Stainless Steel Model)(For 1050W)	1	X
	M7-5-220061	Upper Table Front Ass'y (For 1250W)	1	X
	M7-5-220061S	Upper Table Front Ass'y (Stainless Steel Model)(For 1250W)	1	X
	M7-5-220091	Upper Table Front Ass'y (For 1650W)	1	X
	M7-5-220091S	Upper Table Front Ass'y (Stainless Steel Model)(For 1650W)	1	X
13	M7-5-230021	Upper Table Rear Ass'y (For 850W)	1	(SEE PG.C123) 191761
	M7-5-230021S	Upper Table Rear Ass'y (Stainless Steel Model)(For 850W)	1	X
	M7-5-230031	Upper Table Rear Ass'y (For Photo Eye)(For 850W)(Option)	1	X
	M7-5-230031S	Upper Table Rear Ass'y (For Photo Eye)(Stainless Steel Model)(For 850W)(Option)	1	X
	M7-5-230041	Upper Table Rear Ass'y (For 1050W)	1	X
	M7-5-230041S	Upper Table Rear Ass'y (Stainless Steel Model)(For 1050W)	1	X
	M7-5-230051	Upper Table Rear Ass'y (For Photo Eye)(For 1050W)(Option)	1	X
	M7-5-230051S	Upper Table Rear Ass'y (For Photo Eye)(Stainless Steel Model)(For 1050W)(Option)	1	X
	M7-5-230061	Upper Table Rear Ass'y (For 1250W)	1	X
	M7-5-230061S	Upper Table Rear Ass'y (Stainless Steel Model)(For 1250W)	1	X
	M7-5-230071	Upper Table Rear Ass'y (For Photo Eye)(For 1250W)(Option)	1	X
	M7-5-230071S	Upper Table Rear Ass'y (For Photo Eye)(Stainless Steel Model)(For 1250W)(Option)	1	X
	M7-5-230081	Upper Table Rear Ass'y (For 1650W)	1	X
	M7-5-230081S	Upper Table Rear Ass'y (Stainless Steel Model)(For 1650W)	1	X

## 5-2

## COVER GROUP

M7-5-200111

M7-5-200121

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P QO
	M7-5-230091	Upper Table Rear Ass'y (For Photo Eye) (For 1650W)(Option)	1	X
	M7-5-230091S	Upper Table Rear Ass'y (For Photo Eye) (Stainless Steel Model)(For 1650W)(Option)	1	X
16	TK-035	Interlock Safety Switch	1	191675
17	H45-60160	Sealing Switch	1	191514
18	T5-2-10500	Cable Gland (PG9)	1	X
20	T7-2-10280	Block (For 650W/850W/1250W)	1	X
	T7-2-10281	Block (For 1050W/1650W)	1	X
26	HBS0508N	HBS, M5×8 (N)(For 1050W/1650W)	2	202943
27	HBS0516N	HBS, M5×16 (N)	2	191700
28	HBS0525N	HBS, M5×25 (N)	4	X
	HBS0525S	HBS, M5×25 (Stainless Steel Model)	4	205336
30	HBS0630N	HSB, M6×30 (N)	1	191779
33	FMS0520	FMS, M5×20 (For 1050W/1650W)	1	X
	FMS0520S	FMS, M5×20 (Stainless Steel Model) (For 1050W/1650W)	1	X
35	TMS0512	TMS, M5×12 (Option)	2	191580
	TMS0512S	TMS, M5×12 (Stainless Steel Model)(Option)	2	X
36	TMS0520	TMS, M5×20 (For 650W/850W/1250W)	4	<b>191686</b>
		TMS, M5×20 (For 1050W/1650W)	3	
	TMS0520S	TMS, M5×20 (Stainless Steel Model) (For 650W/850W/1250W)	4	X
		TMS, M5×20 (Stainless Steel Model) (For 1050W/1650W)	3	
37	TMS0610N	TMS, M6×10 (N)	2	X
	TMS0610S	TMS, M6×10 (Stainless Steel Model)	2	191811
38	THS0508N	THS, M5×8 (N)(Option)	2	191579
	THS0508S	THS, M5×8 (Stainless Steel Model)(Option)	2	X
40	THS0630N	THS, M6×30 (N)	2	X
	THS0630S	THS, M6×30 (Stainless Steel Model)	2	X
42	HN06	HN, M6 (For 650W~1050W)	2	191611
		HN, M6 (For 1250W/1650W)	4	
43	SW05S	SW, M5 (Stainless Steel Model)(Option)	2	X

**5-2**
**COVER GROUP**
**M7-5-200111**
**M7-5-200121**

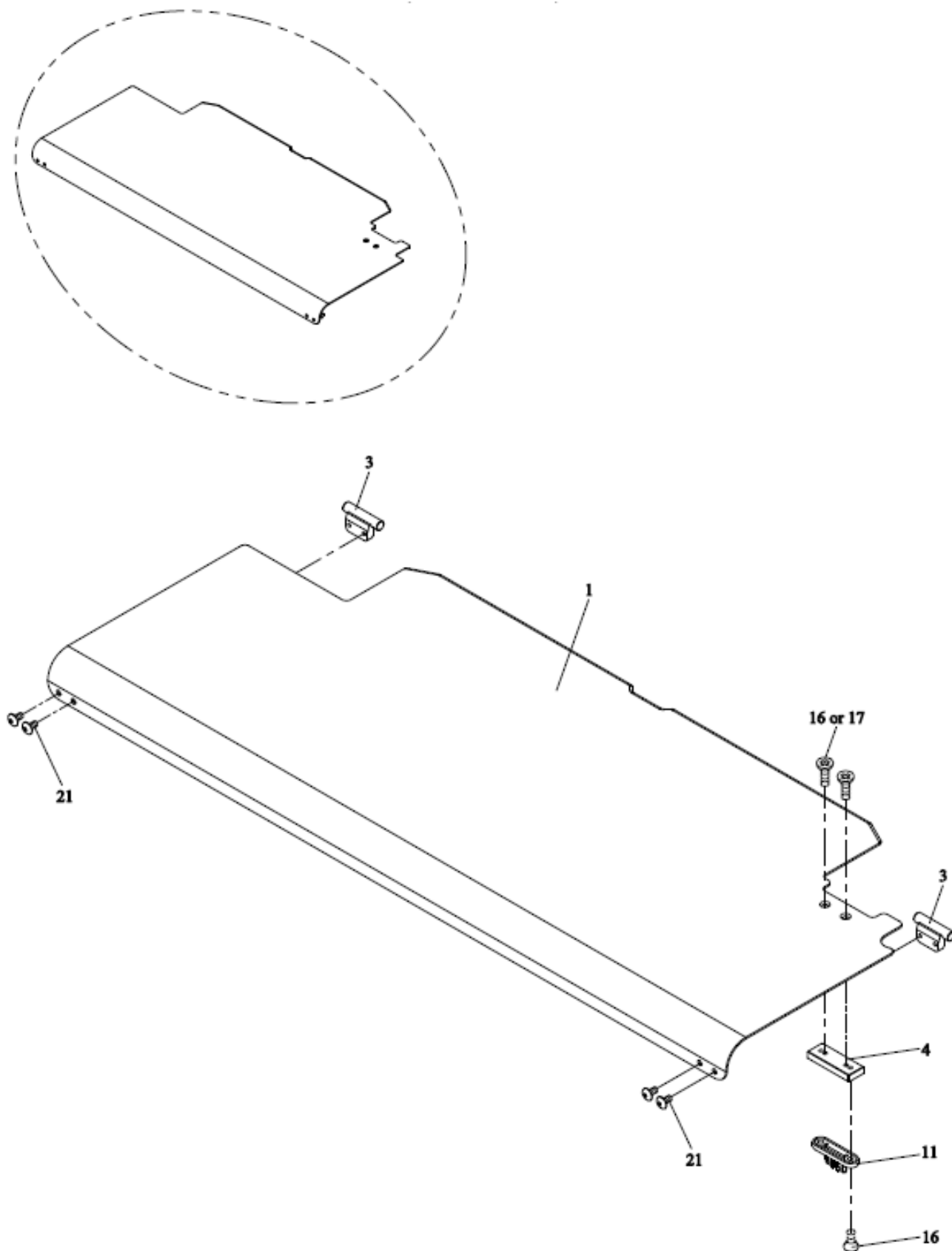
REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
44	SW05	SW, M5 (For 650W/850W/1250W)	8	191577
		SW, M5 (For 1050W/1650W)	10	
45	SW06	SW, M6 (For 650W~1050W)	2	191562
		SW, M6 (For 1250W/1650W)	4	
47	PW05	PW, M5 (For 650W/850W/1250W)	10	191578
		PW, M5 (For 1050W/1650W)	12	
48	PW05S	PW, M5 (Stainless Steel Model)	4	X
49	PW06A	PW, M6 (A)	2	191612
51	NTE05	NTE, M5	8	191076
57	EW720006C002	Wire Ass'y (For 650W)	1	X
	EW720008D002	Wire Ass'y (For 850W/1050W)	1	X
	EW720016C002	Wire Ass'y (For 1250W/1650W)	1	X



5-2-1

UPPER TABLE FRONT ASS'Y  
(For 650W)

M7-5-210021



**5-2-1**  
**(For 650W)**

**UPPER TABLE FRONT ASS'Y**

**M7-5-210021**

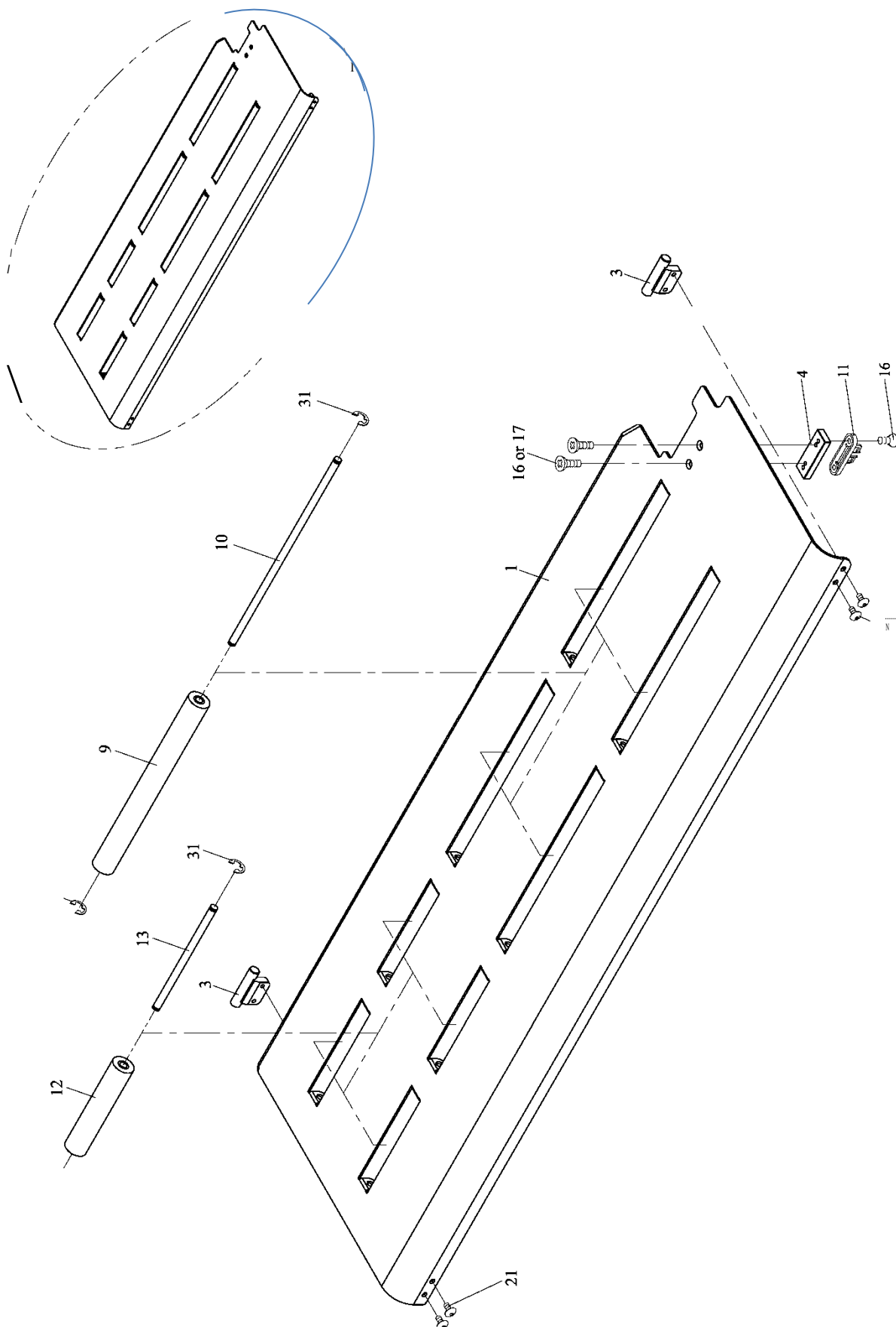
REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
	M7-5-210021	Upper Table Front Ass'y (For 650W)	1	X
	M7-5-210021S	Upper Table Front Ass'y (Stainless Steel Model)(For 650W)	1	X
1	M7-5-211121	Upper Table Front	1	X
	M7-5-211121S	Upper Table Front (Stainless Steel Model)	1	X
3	M7-5-211301	Shaft	2	191678
	M7-5-211301S	Shaft (Stainless Steel Model)	2	191509
4	M7-5-211400	Bracket	1	191552
11	T7-5-10210	Switch Actuator	1	191502
16	FMS0510	FMS, M5×10	4	X
17	FMS0510S	FMS, M5×10 (Stainless Steel Model)	2	203832
21	THS0510N	THS, M5×10 (N)	4	203664
	THS0510S	THS, M5×10 (Stainless Steel Model)	4	187478

5-2-2

# UPPER TABLE FRONT ASS'Y (For 850W--1650W)

M7-5-220021

M7-5-220031



**5-2-2**
**UPPER TABLE FRONT ASS'Y  
(For 850W~1650W)**
**M7-5-220021  
M7-5-220031**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P QO
1	M7-5-220021	Upper Table Front Ass'y (For 850W)	1	191645
	M7-5-220021S	Upper Table Front Ass'y (Stainless Steel Model)(For 850W)	1	X
	M7-5-220031	Upper Table Front Ass'y (For 1050W)	1	X
	M7-5-220031S	Upper Table Front Ass'y (Stainless Steel Model)(For 1050W)	1	X
	M7-5-220061	Upper Table Front Ass'y (For 1250W)	1	X
	M7-5-220061S	Upper Table Front Ass'y (Stainless Steel Model)(For 1250W)	1	X
	M7-5-220091	Upper Table Front Ass'y (For 1650W)	1	X
	M7-5-220091S	Upper Table Front Ass'y (Stainless Steel Model)(For 1650W)	1	X
	M7-5-221121	Upper Table Front (For 850W)	1	191646
	M7-5-221121S	Upper Table Front (Stainless Steel Model) (For 850W)	1	X
	M7-5-221131	Upper Table Front (For 1050W)	1	X
	M7-5-221131S	Upper Table Front (Stainless Steel Model) (For 1050W)	1	X
	M7-5-221161	Upper Table Front (For 1250W)	1	X
	M7-5-221161S	Upper Table Front (Stainless Steel Model) (For 1250W)	1	X
	M7-5-221191	Upper Table Front (For 1650W)	1	X
	M7-5-221191S	Upper Table Front (Stainless Steel Model) (For 1650W)	1	X
3	M7-5-211301	Shaft	2	191678
	M7-5-211301S	Shaft (Stainless Steel Model)	2	191509
4	M7-5-211400	Bracket	1	191552
9	T6-5-11120	Table Roller (250mm)(For 850W)	6	191673
		Table Roller (250mm)(For 1050W)	4	
		Table Roller (250mm)(For 1250W/1650W)	8	
	T6-5-11121	Table Roller (250mm)(Stainless Steel Model) (For 850W)	6	X
		Table Roller (250mm)(Stainless Steel Model) (For 1050W)	4	
		Table Roller (250mm)(Stainless Steel Model) (For 1250W/1650W)	8	



**5-2-2**
**UPPER TABLE FRONT ASS'Y  
(For 850W~1650W)**
**M7-5-220021  
M7-5-220031**

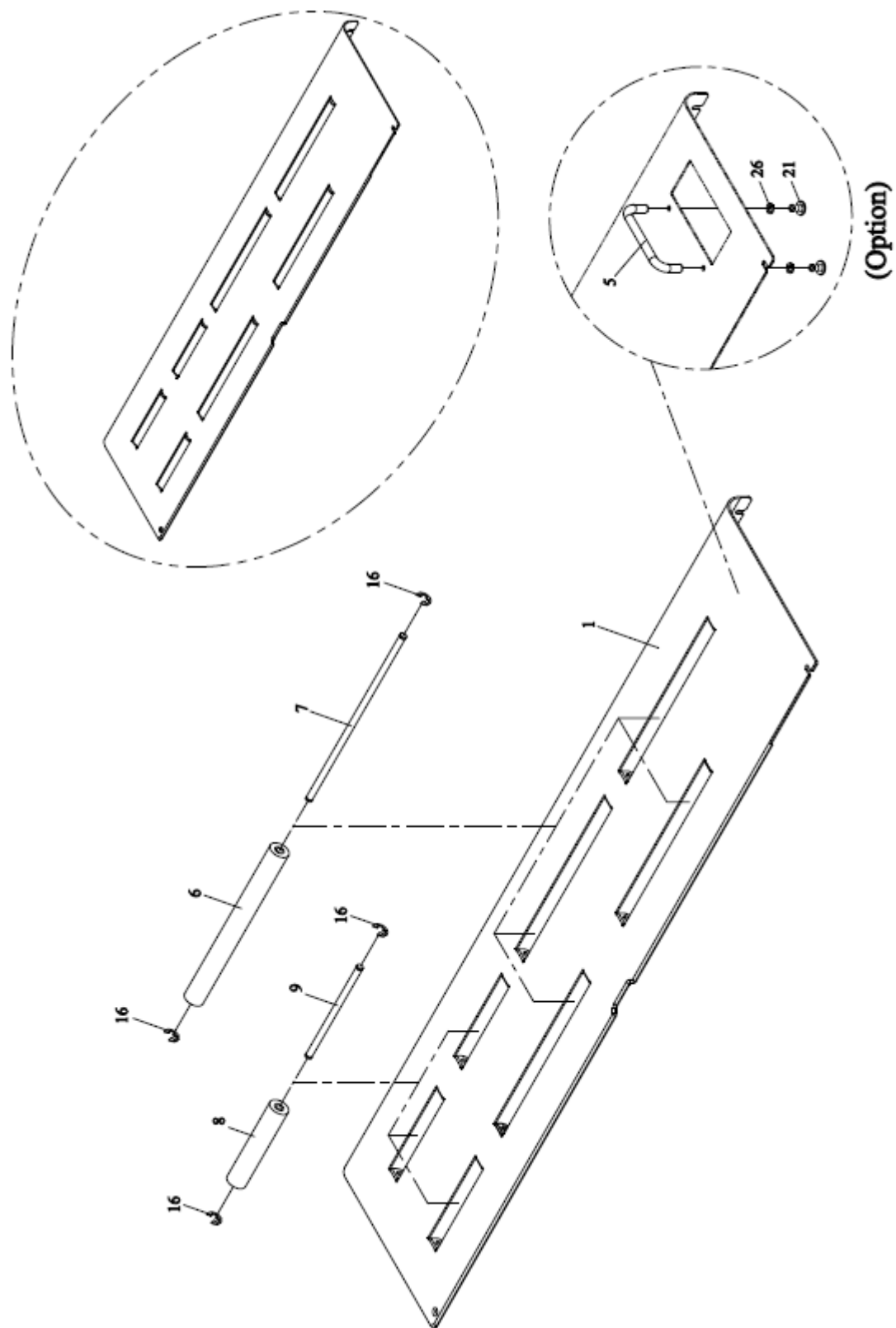
REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P QO
10	T6-5-11130	Table Roller Shaft (For 850W)	6	191674
		Table Roller Shaft (For 1050W)	4	
		Table Roller Shaft (For 1250W/1650W)	8	
	T6-5-11131	Table Roller Shaft (Stainless Steel Model) (For 850W)	6	X
		Table Roller Shaft (Stainless Steel Model) (For 1050W)	4	
		Table Roller Shaft (Stainless Steel Model) (For 1250W/1650W)	8	
11	T7-5-10210	Switch Actuator	1	191502
12	T7-5-40410	Table Roller (130mm)(For 1050W)	4	191751
	T7-5-40411	Table Roller (130mm)(Stainless Steel Model) (For 1050W)	4	X
13	T7-5-40420	Table Roller Shaft (For 1050W)	4	191752
	T7-5-40420S	Table Roller Shaft (Stainless Steel Model) (For 1050W)	4	X
16	FMS0510	FMS, M5×10	4	X
17	FMS0510S	FMS, M5×10 (Stainless Steel Model)	2	203832
21	THS0510N	THS, M5×10 (N)	4	<b>191559</b>
	THS0510S	THS, M5×10 (Stainless Steel Model)	4	<b>203312</b>
31	ER07	Snap Ring, E-7 (For 850W)	12	191649
		Snap Ring, E-7 (For 1050W~1650W)	16	
	ER07S	Snap Ring, E-7 (Stainless Steel Model) (For 850W)	12	203502
		Snap Ring, E-7 (Stainless Steel Model) (For 1050W~1650W)	16	



5-2-3

**UPPER TABLE REAR ASS'Y**  
**(For 850W--1650W)**

**M7-5-230021**  
**M7-5-230031**



**5-2-3****UPPER TABLE REAR ASS'Y  
(For 850W~1650W)****M7-5-230021  
M7-5-230031**

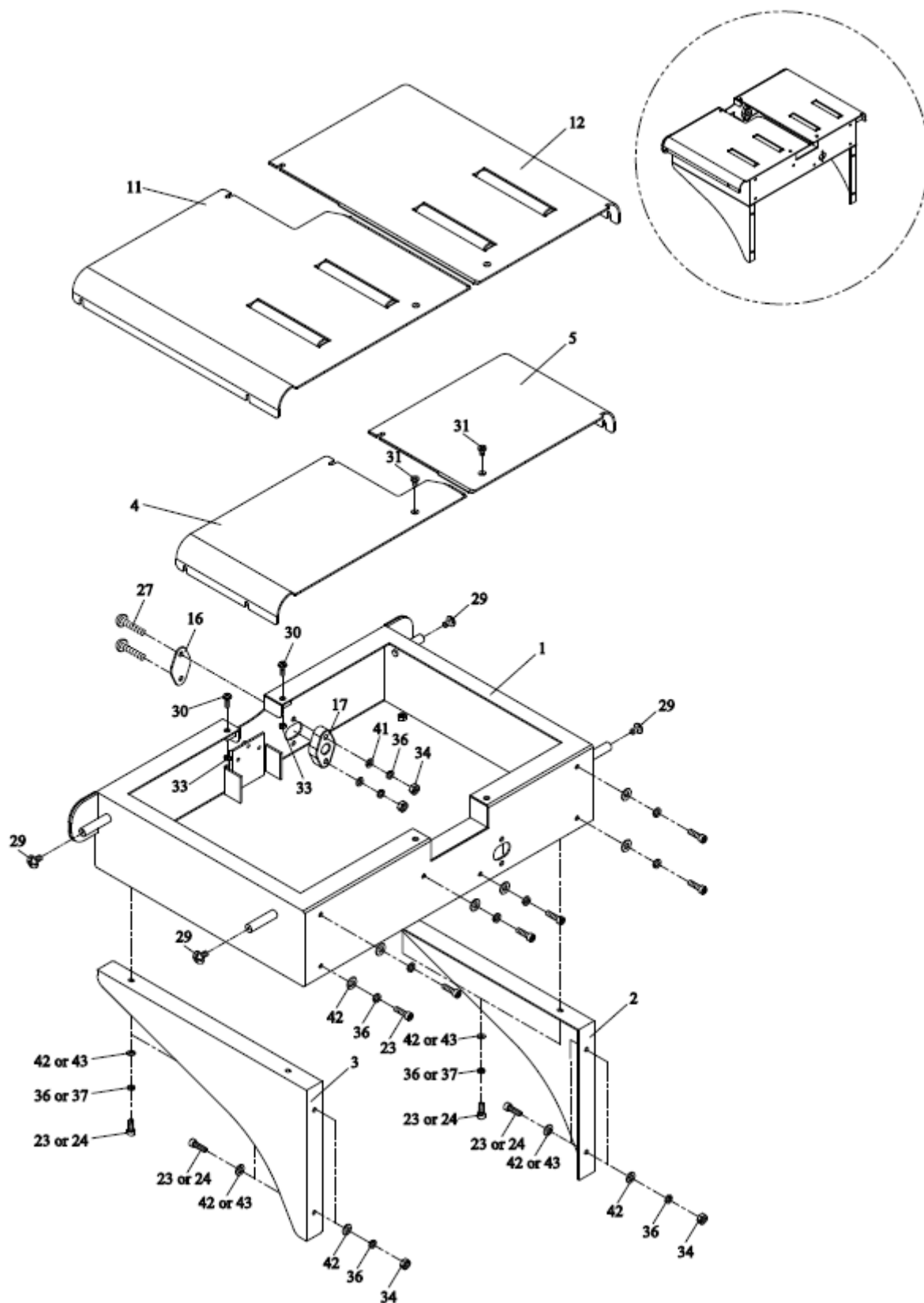
REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P QO
1	M7-5-230021	Upper Table Rear Ass'y (For 850W)	1	191761
	M7-5-230021S	Upper Table Rear Ass'y (Stainless Steel Model) (For 850W)	1	X
	M7-5-230031	Upper Table Rear Ass'y (For Photo Eye) (For 850W)(Option)	1	X
	M7-5-230031S	Upper Table Rear Ass'y (For Photo Eye) (Stainless Steel Model)(For 850W)(Option)	1	X
	M7-5-230041	Upper Table Rear Ass'y (For 1050W)	1	X
	M7-5-230041S	Upper Table Rear Ass'y (Stainless Steel Model) (For 1050W)	1	X
	M7-5-230051	Upper Table Rear Ass'y (For Photo Eye) (For 1050W)(Option)	1	X
	M7-5-230051S	Upper Table Rear Ass'y (For Photo Eye) (Stainless Steel Model)(For 1050W)(Option)	1	X
	M7-5-230061	Upper Table Rear Ass'y (For 1250W)	1	X
	M7-5-230061S	Upper Table Rear Ass'y (Stainless Steel Model) (For 1250W)	1	X
	M7-5-230071	Upper Table Rear Ass'y (For Photo Eye) (For 1250W)(Option)	1	X
	M7-5-230071S	Upper Table Rear Ass'y (For Photo Eye) (Stainless Steel Model)(For 1250W)(Option)	1	X
	M7-5-230081	Upper Table Rear Ass'y (For 1650W)	1	X
	M7-5-230081S	Upper Table Rear Ass'y (Stainless Steel Model) (For 1650W)	1	X
	M7-5-230091	Upper Table Rear Ass'y (For Photo Eye) (For 1650W)(Option)	1	X
	M7-5-230091S	Upper Table Rear Ass'y (For Photo Eye) (Stainless Steel Model)(For 1650W)(Option)	1	X
	M7-5-231121	Upper Table Rear (For 850W)	1	X
	M7-5-231121S	Upper Table Rear (Stainless Steel Model) (For 850W)	1	X
	M7-5-231131	Upper Table Rear (For Photo Eye)(For 850W) (Option)	1	X
	M7-5-231131S	Upper Table Rear (For Photo Eye) (Stainless Steel Model)(For 850W)(Option)	1	X
	M7-5-231141	Upper Table Rear (For 1050W)	1	X
	M7-5-231141S	Upper Table Rear (Stainless Steel Model) (For 1050W)	1	X
	M7-5-231151	Upper Table Rear (For Photo Eye)(For 1050W) (Option)	1	X
	M7-5-231151S	Upper Table Rear (For Photo Eye) (Stainless Steel Model)(For 1050W)(Option)	1	X

**5-2-3**
**UPPER TABLE REAR ASS'Y  
(For 850W~1650W)**
**M7-5-230021  
M7-5-230031**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P QO
	M7-5-231161	Upper Table Rear (For 1250W)	1	X
	M7-5-231161S	Upper Table Rear (Stainless Steel Model) (For 1250W)	1	X
	M7-5-231171	Upper Table Rear (For Photo Eye)(For 1250W) (Option)	1	X
	M7-5-231171S	Upper Table Rear (For Photo Eye) (Stainless Steel Model)(For 1250W)(Option)	1	X
	M7-5-231181	Upper Table Rear (For 1650W)	1	X
	M7-5-231181S	Upper Table Rear (Stainless Steel Model) (For 1650W)	1	X
	M7-5-231191	Upper Table Rear (For Photo Eye)(For 1650W) (Option)	1	X
	M7-5-231191S	Upper Table Rear (For Photo Eye) (Stainless Steel Model)(For 1650W)(Option)	1	X
5	M7-6-102100	Handle (Option)	1	191606
	M7-6-102100S	Handle (Stainless Steel Model)(Option)	1	X
6	T6-5-11120	Table Roller (250mm)(For 850W)	5	191673
		Table Roller (250mm)(For 1050W)	4	
		Table Roller (250mm)(For 1250W/1650W)	7	
	T6-5-11121	Table Roller (250mm)(Stainless Steel Model) (For 850W)	5	X
		Table Roller (250mm)(Stainless Steel Model) (For 1050W)	4	
		Table Roller (250mm)(Stainless Steel Model) (For 1250W/1650W)	7	
7	T6-5-11130	Table Roller Shaft (For 850W)	5	191674
		Table Roller Shaft (For 1050W)	4	
		Table Roller Shaft (For 1250W/1650W)	7	
	T6-5-11131	Table Roller Shaft (Stainless Steel Model) (For 850W)	5	X
		Table Roller Shaft (Stainless Steel Model) (For 1050W)	4	
		Table Roller Shaft (Stainless Steel Model) (For 1250W/1650W)	7	
8	T7-5-40410	Table Roller (130mm)(For 1050W)	3	191751
		Table Roller (130mm)(For 1250W/1650W)	1	
	T7-5-40411	Table Roller (130mm)(Stainless Steel Model) (For 1050W)	3	X
		Table Roller (130mm)(Stainless Steel Model) (For 1250W/1650W)	1	

**5-2-3**
**UPPER TABLE REAR ASS'Y  
(For 850W~1650W)**
**M7-5-230021  
M7-5-230031**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
9	T7-5-40420	Table Roller Shaft (For 1050W)	3	191752
		Table Roller Shaft (For 1250W/1650W)	1	
	T7-5-40420S	Table Roller Shaft (Stainless Steel Model) (For 1050W)	3	X
		Table Roller Shaft (Stainless Steel Model) (For 1250W/1650W)	1	
16	ER07	Snap Ring, E-7 (For 850W)	10	191649
		Snap Ring, E-7 (For 1050W)	14	
		Snap Ring, E-7 (For 1250W/1650W)	16	
	ER07S	Snap Ring, E-7 (Stainless Steel Model) (For 850W)	10	203502
		Snap Ring, E-7 (Stainless Steel Model) (For 1050W)	14	
		Snap Ring, E-7 (Stainless Steel Model) (For 1250W/1650W)	16	
21	TMS0512	TMS, M5×12 (Option)	2	191580
	TMS0512S	TMS, M5×12 (Stainless Steel Model)(Option)	2	X
26	SW05	SW, M5 (Option)	2	191577
	SW05S	SW, M5 (Stainless Steel Model)(Option)	2	X

**EXTENSION TABLE GROUP**  
**(For 1050W/1650W)****M7-5-300041****M7-5-300051**

**5-3**
**EXTENSION TABLE GROUP  
(For 1050W/1650W)**
**M7-5-300041  
M7-5-300051**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P QO
1	M7-5-300041	Extension Table Group (For 1050W)	1	X
	M7-5-300041S	Extension Table Group (Stainless Steel Model) (For 1050W)	1	X
	M7-5-300051	Extension Table Group (For 1650W)	1	X
	M7-5-300051S	Extension Table Group (Stainless Steel Model) (For 1650W)	1	X
	M7-5-301101	Extension Table (For 1050W)	1	X
	M7-5-301101S	Extension Table (Stainless Steel Model) (For 1050W)	1	X
	M7-5-301111	Extension Table (For 1650W)	1	X
	M7-5-301111S	Extension Table (Stainless Steel Model) (For 1650W)	1	X
	M7-5-301200	Rack (Right)(Only 1650W)	1	X
	M7-5-301200S	Rack (Right)(Stainless Steel Model) (Only 1650W)	1	X
	M7-5-301300	Rack (Left)(Only 1650W)	1	X
4	M7-5-301421	Upper Table Front (Only 1050W)	1	X
	M7-5-301421S	Upper Table Front (Stainless Steel Model) (Only 1050W)	1	X
5	M7-5-301501	Upper Table Rear (Only 1050W)	1	X
	M7-5-301501S	Upper Table Rear (Stainless Steel Model) (Only 1050W)	1	X
11	M7-5-310021	Upper Table Front Ass'y (Only 1650W)	1	(SEE PG.C131) X
	M7-5-310021S	Upper Table Front Ass'y (Stainless Steel Model)(Only 1650W)	1	X
12	M7-5-320001	Upper Table Rear Ass'y (Only 1650W)	1	(SEE PG. C133) X
	M7-5-320001S	Upper Table Rear Ass'y (Stainless Steel Model)(Only 1650W)	1	X
16	M7-5-201600	Cover	1	X
	M7-5-201600S	Cover (Stainless Steel Model)	1	X
17	T7-2-10280	Block	1	X
23	HBS0616N	HBS, M6×16 (N)(For 1050W)	6	191544
		HBS, M6×16 (N)(For 1650W)	14	
24	HBS0616S	HBS, M6×16 (Stainless Steel Model) (Only 1650W)	8	204086



**5-3**

**EXTENSION TABLE GROUP  
(For 1050W/1650W)**

**M7-5-300041  
M7-5-300051**

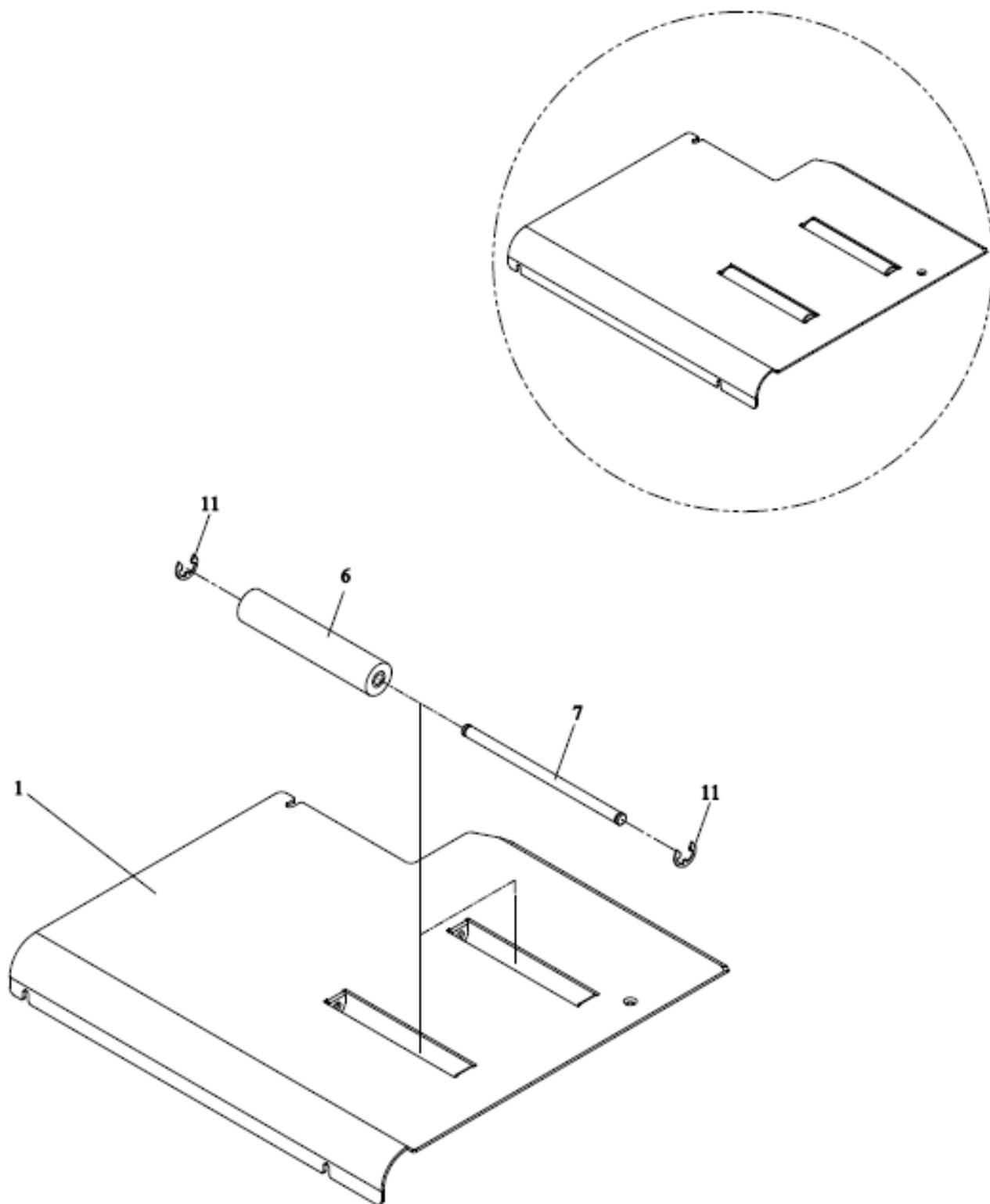
REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
27	THS0630N	THS, M6×30 (N)	2	X
	THS0630S	THS, M6×30 (Stainless Steel Model)	2	X
29	TMS0512	TMS, M5×12	4	X
	TMS0512S	TMS, M5×12 (Stainless Steel Model)	4	X
30	TMS0520	TMS, M5×20	2	<b>191686</b>
	TMS0520S	TMS, M5×20 (Stainless Steel Model)	2	X
31	FMS0512	FMS, M5×12	2	<b>191581</b>
	FMS0512S	FMS, M5×12 (Stainless Steel Model)	2	X
33	HN05	HN, M5	2	187478
34	HN06	HN, M6 (For 1050W)	2	191611
		HN, M6 (For 1650W)	6	
36	SW06	SW, M6 (For 1050W)	8	191562
		SW, M6 (For 1650W)	16	
37	SW06S	SW, M6 (Stainless Steel Model)(Only 1650W)	4	205539
41	PW06A	PW, M6 (A)	2	191612
42	PW06C	PW, M6 (C)(For 1050W)	6	191561
		PW, M6 (C)(For 1650W)	18	
43	PW06CS	PW, M6 (C)(Stainless Steel Model) (Only 1650W)	8	205534



5-3-1

UPPER TABLE FRONT ASS'Y  
(For 1650W)

M7-5-310021



**5-3-1**  
**(For 1650W)**

**UPPER TABLE FRONT ASS'Y**

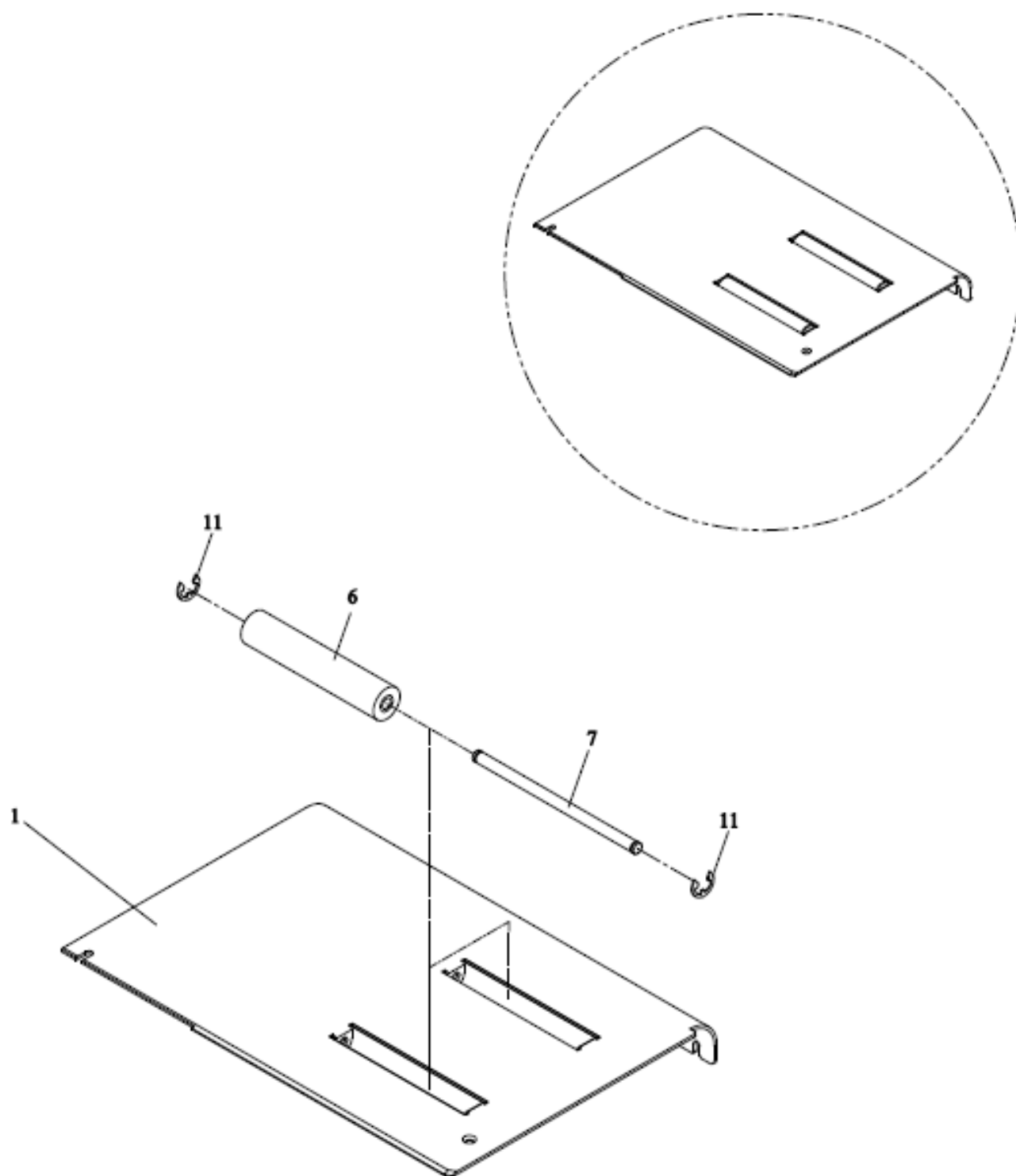
**M7-5-310021**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQNJ EJ GO 'P Q0
1	M7-5-310021	Upper Table Front Ass'y (For 1650W)	1	X
	M7-5-310021S	Upper Table Front Ass'y (Stainless Steel Model)(For 1650W)	1	X
	M7-5-311121	Upper Table Front	1	X
	M7-5-311121S	Upper Table Front (Stainless Steel Model)	1	X
6	T7-5-40410	Table Roller (130mm)	2	191751
	T7-5-40411	Table Roller (130mm)(Stainless Steel Model)	2	X
7	T7-5-40420	Table Roller Shaft	2	191752
	T7-5-40420S	Table Roller Shaft (Stainless Steel Model)	2	X
11	ER07	Snap Ring, E-7	4	191649
	ER07S	Snap Ring, E-7 (Stainless Steel Model)	4	203502

5-3-2

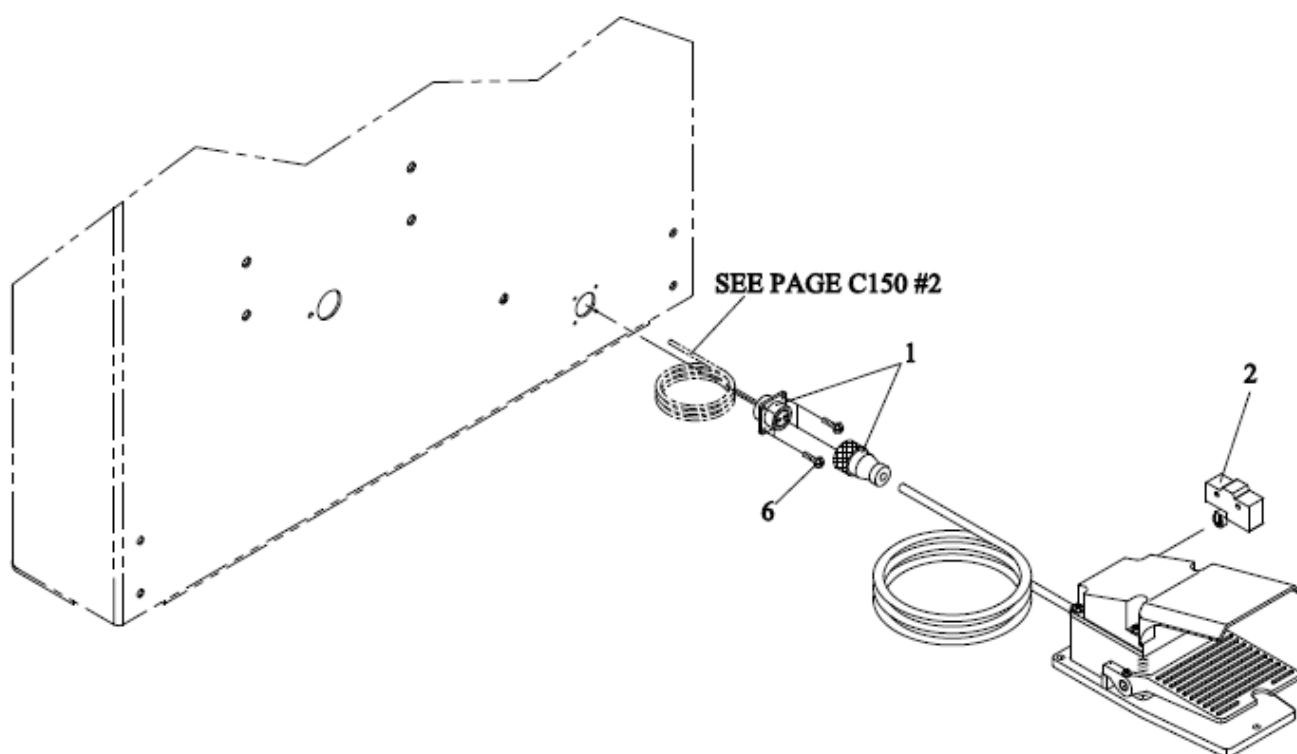
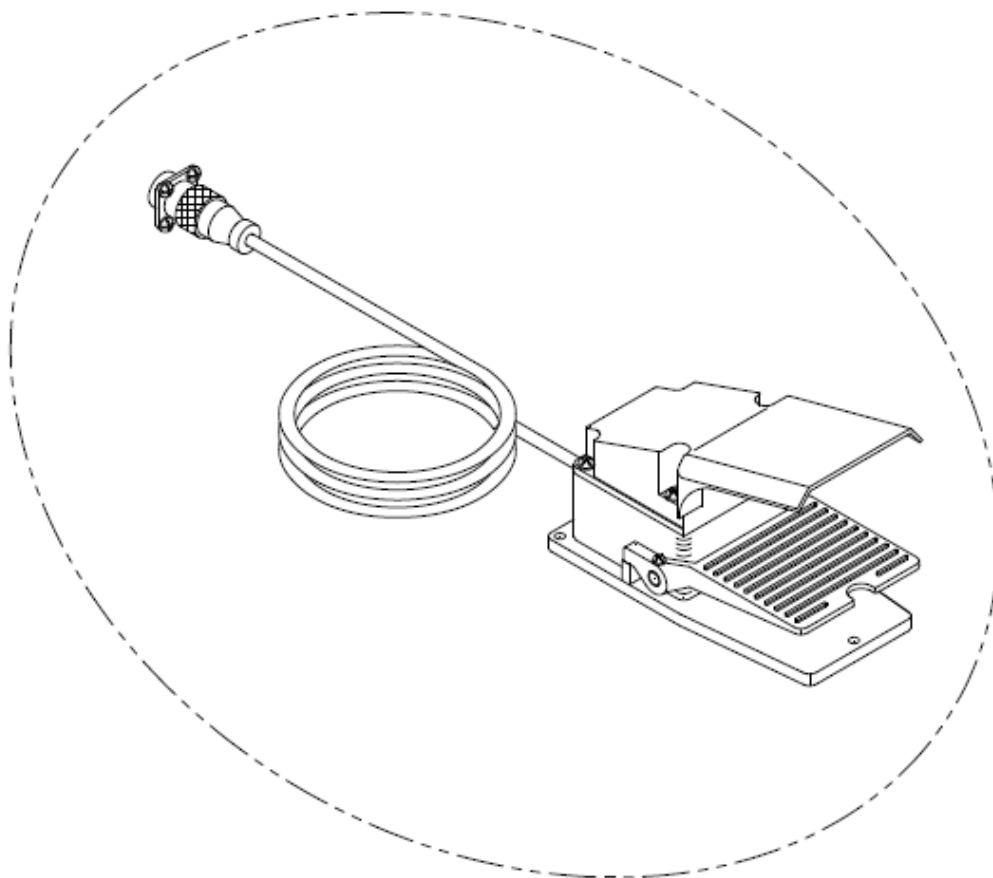
UPPER TABLE REAR ASS'Y  
(For 1650W)

M7-5-320001



**5-3-2****UPPER TABLE REAR ASS'Y  
(For 1650W)****M7-5-320001**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
1	M7-5-320001	Upper Table Rear Ass'y (For 1650W)	1	X
	M7-5-320001S	Upper Table Rear Ass'y (Stainless Steel Model)(For 1650W)	1	X
	M7-5-321101	Upper Table Rear	1	X
	M7-5-321101S	Upper Table Rear (Stainless Steel Model)	1	X
6	T7-5-40410	Table Roller (130mm)	2	191751
	T7-5-40411	Table Roller (130mm)(Stainless Steel Model)	2	X
7	T7-5-40420	Table Roller Shaft	2	191752
	T7-5-40420S	Table Roller Shaft (Stainless Steel Model)	2	X
11	ER07	Snap Ring, E-7	4	191649
	ER07S	Snap Ring, E-7 (Stainless Steel Model)	4	203502

**PEDAL CONTROL SET  
(OPTION)**

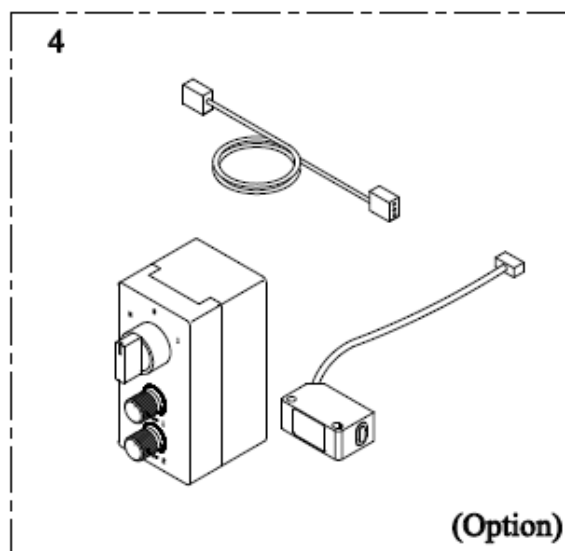
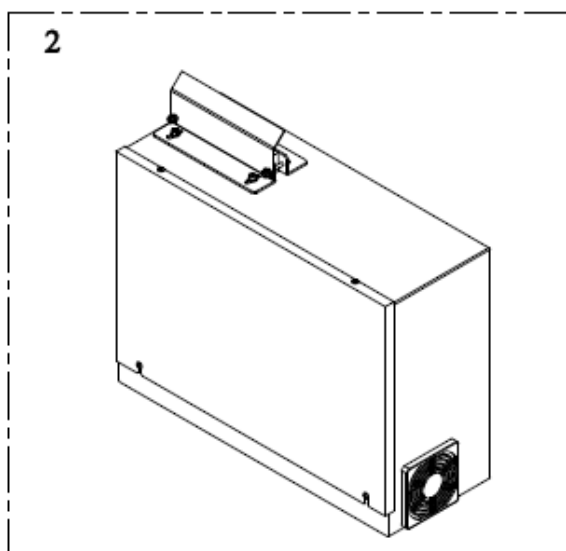
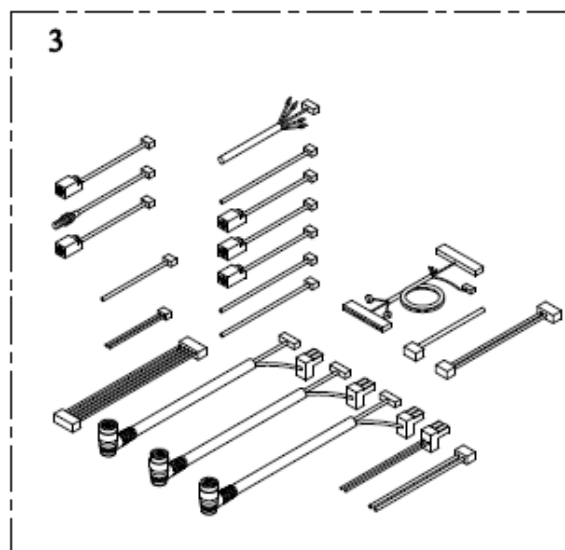
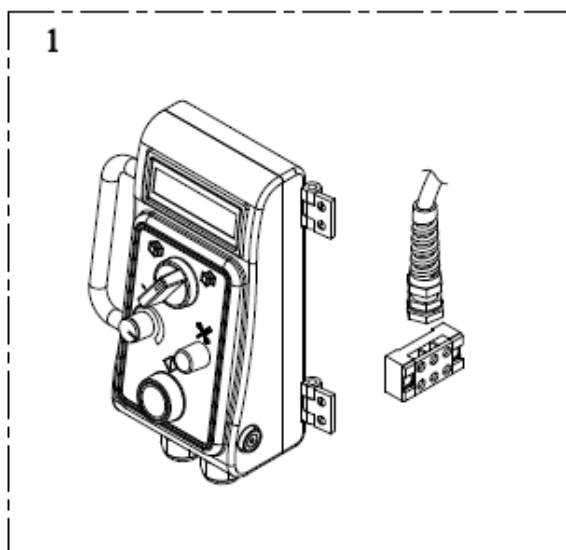
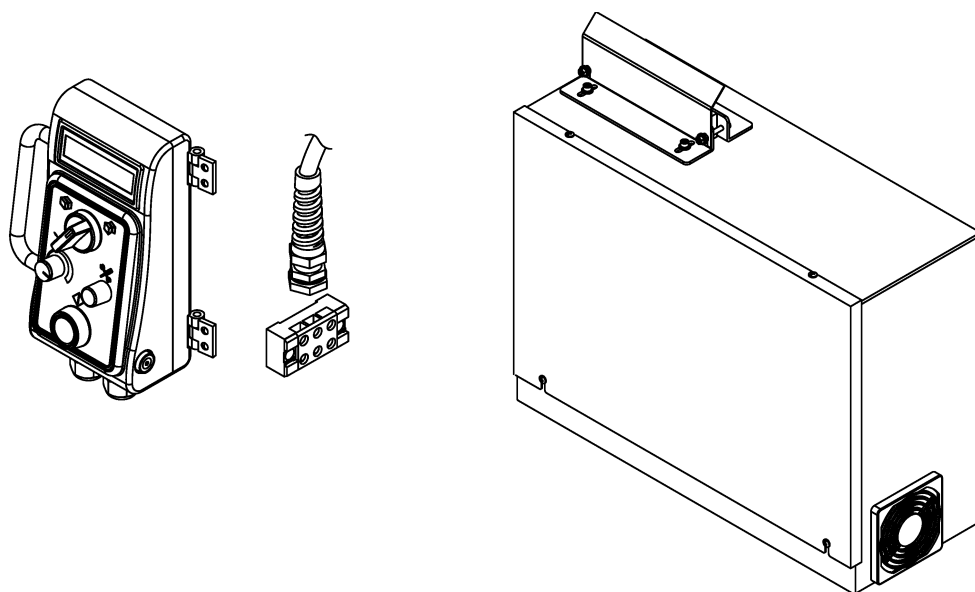
**5-4**

**PEDAL CONTROL SET  
(OPTION)**

**T7-6-40001**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
1	T6-6-10350	Connector (Foot Switch)	1	191530
2	T7-5-20130	Micro Switch	1	X
6	TMS0308	TMS, M3×8	4	191719
	TMS0308S	TMS, M3×8 (Stainless Steel Model)	4	X

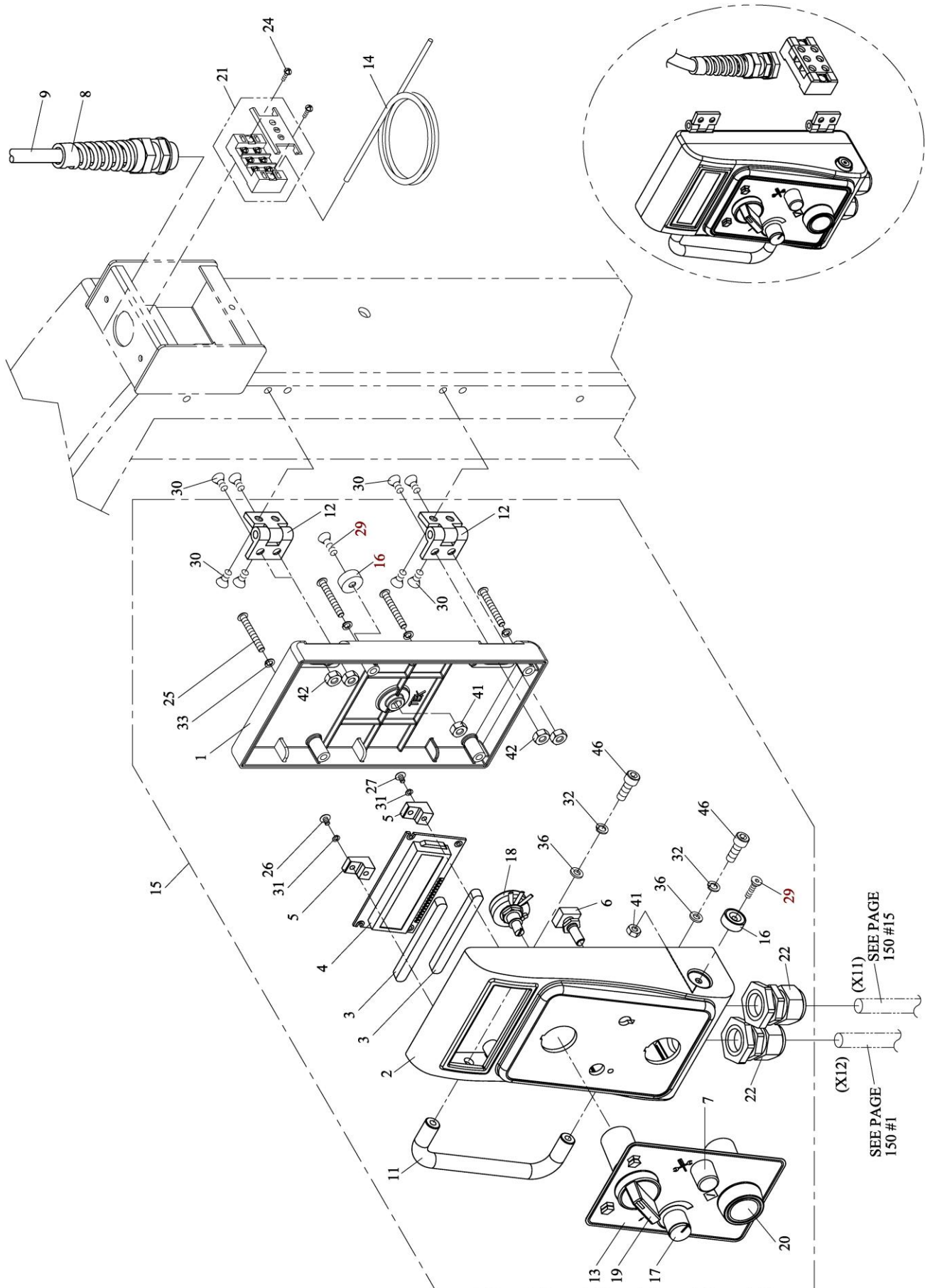




REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
1	M7-6-900022	Electric Control Unit (For 220V~ 240V, 650W)	1	X
	M7-6-900022S	Electric Control Unit (Stainless Steel Model) (For 220V~ 240V, 650W)	1	X
	M7-6-900032	Electric Control Unit (For 110V, 650W)	1	X
	M7-6-900032S	Electric Control Unit (Stainless Steel Model) (For 110V, 650W)	1	X
	M7-6-900082	Electric Control Unit (For 220V~ 240V, 850W/1050W)	1	X
	M7-6-900082S	Electric Control Unit (Stainless Steel Model) (For 220V~ 240V, 850W/1050W)	1	X
	M7-6-900092	Electric Control Unit (For 110V, 850W/1050W)	1	X
	M7-6-900092S	Electric Control Unit (Stainless Steel Model) (For 110V, 850W/1050W)	1	X
	M7-6-900102	Electric Control Unit (For 220V~ 240V, 1250W/1650W)	1	X
	M7-6-900102S	Electric Control Unit (Stainless Steel Model) (For 220V~ 240V, 1250W/1650W)	1	X
	M7-6-900112	Electric Control Unit (For 110V, 1250W/1650W)	1	X
	M7-6-900112S	Electric Control Unit (Stainless Steel Model)(For 110V, 1250W/1650W)	1	X
	M7-6-100040	Control Panel Group (Europe)(For 650W)	1	SEE PAGE C141 X
	M7-6-100040S	Control Panel Group (Stainless Steel Model) (Europe)(For 650W)	1	X
	M7-6-100120	Control Panel Group (Europe) (For 850W/1050W)	1	X
	M7-6-100120S	Control Panel Group (Stainless Steel Model) (Europe)(For 850W/1050W)	1	X
	M7-6-100130	Control Panel Group (Europe) (For 1250W/1650W)	1	X
	M7-6-100130S	Control Panel Group (Stainless Steel Model) (Europe)(For 1250W/1650W)	1	X
	M7-6-100060	Control Panel Group (America)(For 650W)	1	X
	M7-6-100060S	Control Panel Group (Stainless Steel Model) (America)(For 650W)	1	X
	M7-6-100150	Control Panel Group (America) (For 850W/1050W)	1	X
	M7-6-100150S	Control Panel Group (Stainless Steel Model) (America)(For 850W/1050W)	1	X

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
2	M7-6-100160	Control Panel Group (America) (For 1250W/1650W)	1	X
	M7-6-100160S	Control Panel Group (Stainless Steel Model) (America)(For 1250W/1650W)	1	X
	M7-6-200002	Electric Control Group (Without Wire) (For 220V~240V)	1	SEE PAGE C145 X
	M7-6-200002S	Electric Control Group (Without Wire) (Stainless Steel Model)(For 220V~240V)	1	X
	M7-6-200012	Electric Control Group (Without Wire) (For 110V)	1	X
	M7-6-200012S	Electric Control Group (Without Wire) (Stainless Steel Model)(For 110V)	1	X
3	M7-6-300111	Wires Group (For 650W)	1	SEE PAGE C149 X
	M7-6-300121	Wires Group (For 850W/1050W)	1	X
	M7-6-300131	Wires Group (For 1250W/1650W)	1	X
4	M7-6-400000	Photo Eye Timer Box Group (For 650W) (Option)	1	SEE PAGE C154 X
	M7-6-400020	Photo Eye Timer Box Group (For 850W/1050W)(Option)	1	X
	M7-6-400030	Photo Eye Timer Box Group (For 1250W/1650W)(Option)	1	X





**6-1****CONTROL PANEL GROUP****M7-6-100040****M7-6-100120**

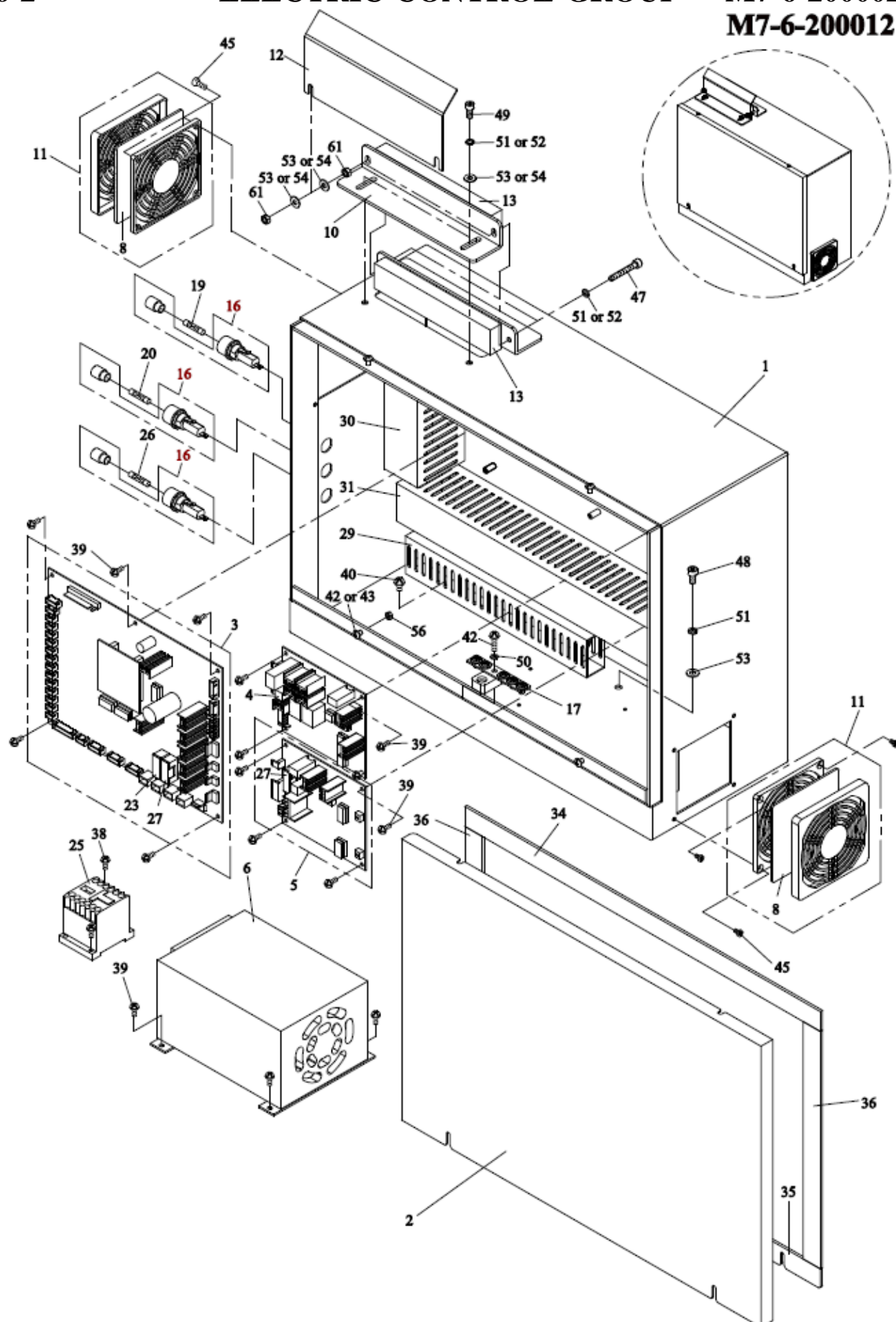
REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
	M7-6-100040	Control Panel Group (Europe)(For 650W)	1	X
	M7-6-100040S	Control Panel Group (Stainless Steel Model) (Europe)(For 650W)	1	X
	M7-6-100120	Control Panel Group (Europe) (For 850W/1050W)	1	X
	M7-6-100120S	Control Panel Group (Stainless Steel Model) (Europe)(For 850W/1050W)	1	X
	M7-6-100130	Control Panel Group (Europe) (For 1250W/1650W)	1	X
	M7-6-100130S	Control Panel Group (Stainless Steel Model) (Europe)(For 1250W/1650W)	1	X
	M7-6-100060	Control Panel Group (America)(For 650W)	1	X
	M7-6-100060S	Control Panel Group (Stainless Steel Model) (America)(For 650W)	1	X
	M7-6-100150	Control Panel Group (America) (For 850W/1050W)	1	X
	M7-6-100150S	Control Panel Group (Stainless Steel Model) (America)(For 850W/1050W)	1	X
	M7-6-100160	Control Panel Group (America) (For 1250W/1650W)	1	X
	M7-6-100160S	Control Panel Group (Stainless Steel Model) (America)(For 1250W/1650W)	1	X
1	M7-6-101101	Control Box	1	204750
2	M7-6-101201	Control Plate	1	204751
3	M7-6-101300	Rubber	2	X
4	M7-6-101400	LCD	1	191513
5	M7-6-101501	Bracket	2	X
6	M7-6-101601	Encoder	1	191484
7	M7-6-101701	Knob	1	191510
8	M7-6-101800	Flex-Protection Cable Gland	1	204693
9	TT-5-20120	Power Cord (Europe)	1	X
	T5-4-10324	Power Cord (America)	1	191518
11	M7-6-102100	Handle	1	191606
	M7-6-102100S	Handle (Stainless Steel Model)	1	X
12	M7-6-102200	Hinges	2	191572
13	LA-10191	Label	1	X
14	EW720006C004	Wire Ass'y (For 650W)	1	X
	EW720008D004	Wire Ass'y (For 850W/1050W)	1	X
	EW720016C004	Wire Ass'y (For 1250W/1650W)	1	X
15	M7-6-100100	Control Panel Ass'y	1	203016
	M7-6-100100S	Control Panel Ass'y (Stainless Steel Model)	1	X
16	M7-6-102001	Magnet Catch	2	X

**6-1**
**CONTROL PANEL GROUP**
**M7-6-100040**
**M7-6-100120**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
17	T5-4-10222	Knob (Hole $\varphi$ 6.0)	1	191519
18	T5-4-10232	Variable Resistor (5K)( $\varphi$ 6.0)	1	191539
19	T6-6-40016	2P. Selector Switch	1	191520
20	T7-6-20480	Restart Switch (2NO)	1	191494
21	T6-6-10320	Heater Terminal	1	X
22	T6-6-10980	Cable Gland (PG11)	2	X
24	PMS0408	PMS, M4×8	2	X
25	PMS0430	PMS, M4×30	4	X
	<b>PMS0430S</b>	<b>PMS, M4×30 (Stainless Steel Model)</b>	<b>4</b>	<b>X</b>
26	TMS0308	TMS, M3×8	1	191719
27	TMS0312	TMS, M3×12	1	X
<b>29</b>	<b>FHS0416S</b>	<b>FHS, M4×16 (SUS)</b>	<b>2</b>	<b>X</b>
30	FMS0508N	FMS, M5×8 (N)	8	191702
	FMS0508S	FMS, M5×8 (Stainless Steel Model)	8	191722
31	SW03	SW, M3	2	191590
32	SW05	SW, M5	2	191577
33	SW04	SW, M4	4	X
	<b>SW04S</b>	<b>SW, M4 (Stainless Steel Model)</b>	<b>4</b>	<b>X</b>
36	PW05	PW, M5	2	191577
41	NTE04	NTE, M4	2	X
42	HN05	HN, M5	4	187478
<b>46</b>	<b>HBS0512N</b>	<b>HBS, M5×12 (N)</b>	<b>2</b>	<b>190848</b>







**6-2**

**ELECTRIC CONTROL GROUP**

**M7-6-200002**

**M7-6-200012**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
	M7-6-200002	Electric Control Group (For 220V~ 240V)	1	X
	M7-6-200002S	Electric Control Group (Without Wire) (Stainless Steel Model)(For 220V~240V)	1	X
	M7-6-200012	Electric Control Group (For 110V)	1	X
	M7-6-200012S	Electric Control Group (Without Wire) (Stainless Steel Model)(For 110V)	1	X
1	M7-6-201102	Electric Box	1	X
	M7-6-201102S	Electric Box (Stainless Steel Model)	1	X
2	M7-6-201200	Cover	1	X
	M7-6-201200S	Cover (Stainless Steel Model)	1	X
3	M7-6-201301	Main P.C.B (AP1)	1	191485
4	M7-6-201400	M4/M5 P.C.B (AP3)	1	191486
5	M7-6-201500	Heater P.C.B (AP2)	1	191487
6	M7-6-201600	Power Supply	1	191683
8	M7-6-201800	Filter	2	204430
10	M7-6-202100	Clamp	1	205553
	M7-6-202100S	Clamp (Stainless Steel Model)	1	205554
11	M7-6-200100	Filter Set	2	205555
12	M7-6-202201	Cover	1	205556
	M7-6-202201S	Cover (Stainless Steel Model)	1	205557
13	M7-6-202300	Foam Rubber	2	205558
15	LA-20160	Label	1	205559
16	T5-4-10160	Fuse Holder	3	191656
17	T5-4-10310	Earth Plate (5P)	1	205560
19	T6-6-30032	Fuse (3A, 30mm)(For 220V~240V)	1	X
	T6-6-30033	Fuse (5A, 30mm)(For 110V)	1	191740
20	T6-6-30133	Fuse (10A, 30mm)	1	191741
23	TT-5-10150	Fuse (1A, 20mm)	1	191696
25	T7-6-10690	Magnetic Switch	1	191565
26	FU30040	Fuse (4A, 30mm)	1	191694
27	FU20040	Fuse (4A, 20mm)	2	191695
29	WD25450250	Wire Duct 25×45×250	1	205562
30	WD45650170	Wire Duct 45×65×170	1	205563
31	WD45650425	Wire Duct 45×65×425	1	205564
34	FR-24049600	Foam Rubber	1	X
35	FR-24049601	Foam Rubber	1	X
36	FR-24028700	Foam Rubber	2	X
38	TMS0312	TMS, M3×12	2	X
39	TMS0308	TMS, M3×8	17	X
40	TMS0406	TMS, M4×6	7	X

**6-2**

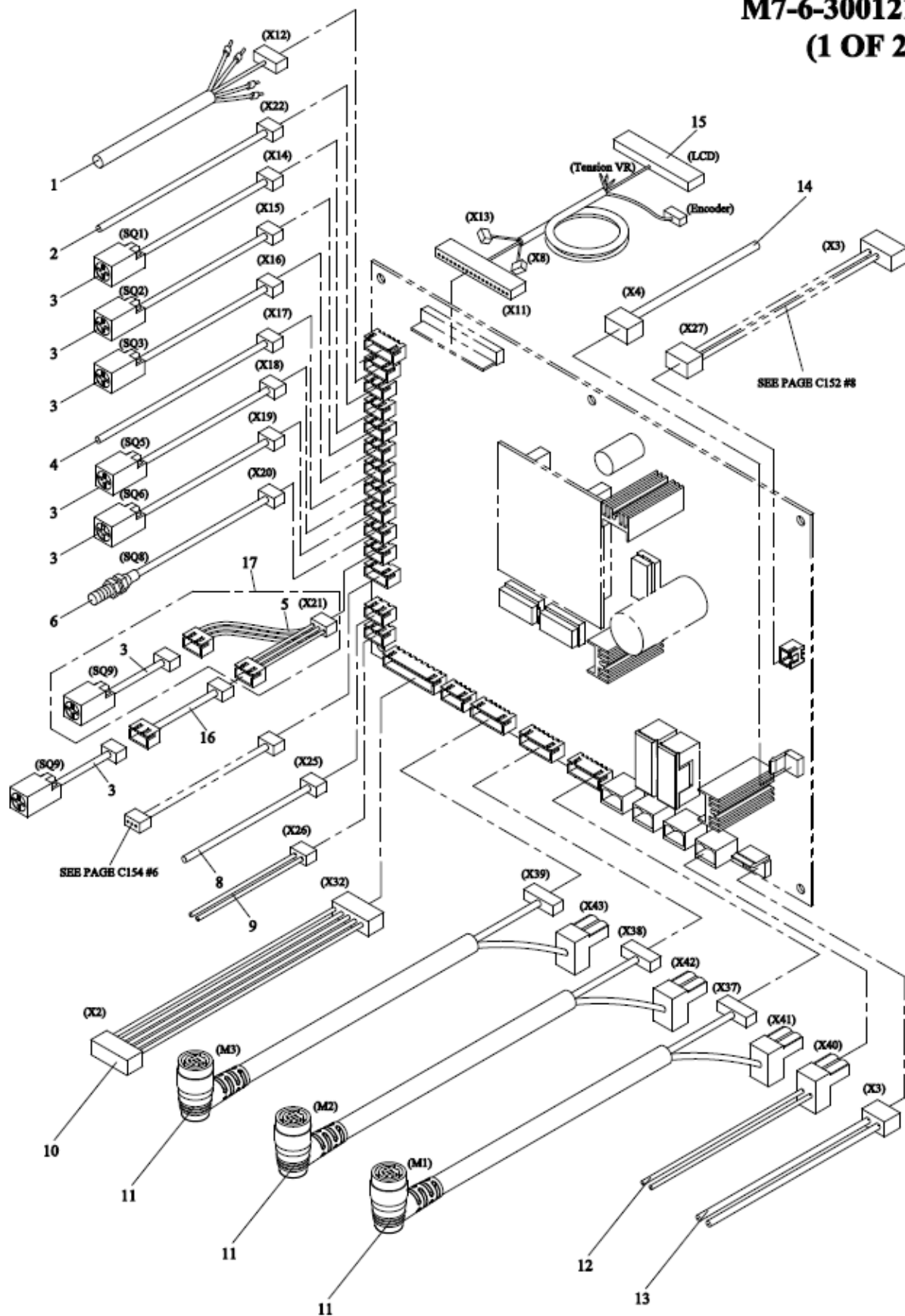
**ELECTRIC CONTROL GROUP**

**M7-6-200002**

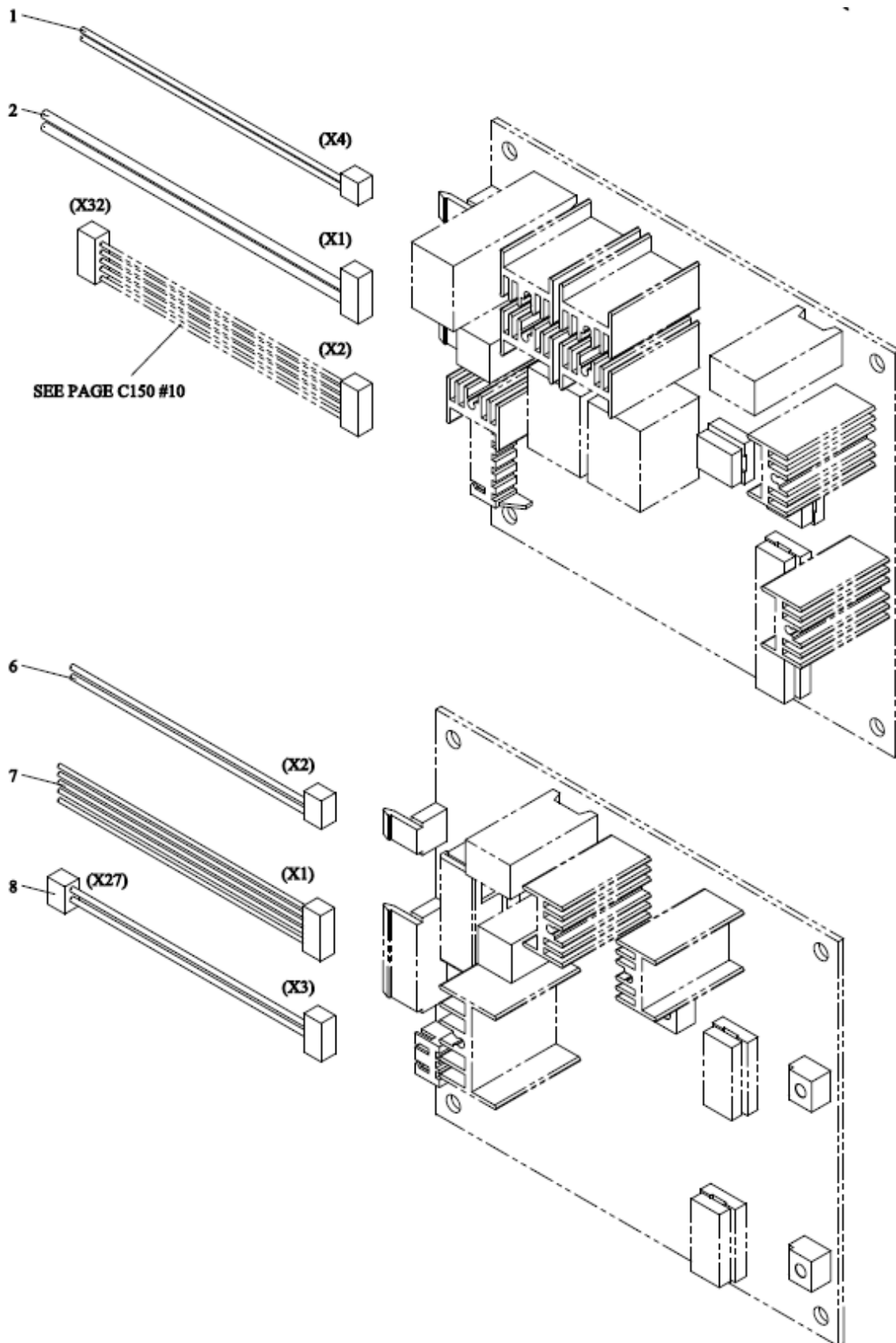
**M7-6-200012**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQN[ EJ GO 'P Q0
42	TMS0420	TMS, M4×20	5	X
43	TMS0420S	TMS, M4×20 (Stainless Steel Model)	4	X
45	FMS0406	FMS, M4×6	8	X
47	HBS0540N	HBS, M5×40 (N)	2	X
	HBS0540S	HBS, M5×40 (Stainless Steel Model)	2	X
48	HBS0510N	HBS, M5×10 (N)	4	X
49	HBS0512N	HBS, M5×12 (N)	2	190848
	HBS0512S	HBS, M5×12 (Stainless Steel Model)	2	X
50	SW04	SW, M4	1	X
51	SW05	SW, M5	8	191577
52	SW05S	SW, M5 (Stainless Steel Model)	4	X
53	PW05	PW, M5	10	191578
54	PW05S	PW, M5 (Stainless Steel Model)	6	X
56	NTE04	NTE, M4	4	X
61	HN05	HN, M5	4	187478
	HN05S	HN, M5 (Stainless Steel Model)	4	X





REF. NO.	PART NO.	DESCRIPTION	Q'TY	RQNJ EJ GO 'P Q0
1	M7-6-300111	Wires Group (For 650W)	1	X
	M7-6-300121	Wires Group (For 850W/1050W)	1	X
	M7-6-300131	Wires Group (For 1250W/1650W)	1	X
	EW720106CX12	Wire Ass'y X12 (Control Panel)(For 650W)	1	191691
	EW720108DX12	Wire Ass'y X12 (Control Panel) (For 850W/1050W)	1	X
	EW720116CX12	Wire Ass'y X12 (Control Panel) (For 1250W/1650W)	1	X
2	EW720006CX22	Wire Ass'y X22 (Foot Switch)(Option)	1	(SEE PG. C3,79, 107) 191829
3	MV-6-20220	Proximity Sensor (X14, X15, X16, X18, X21) (SQ1, SQ2, SQ3, SQ5, SQ9)	5	(SEE PG.C3,55,79,107) 191483
		Proximity Sensor (X14, X15, X16, X18, X21, X19)(SQ1, SQ2, SQ3, SQ5, SQ9, SQ6) (Option)	7	
4	EW720006CX17	Wire Ass'y X17 (SQ4)	1	X
5	EW720005B005	Wire Ass'y (Foot Bar (Rear))(Option)	1	X
6	M7-6-301100	Proximity Sensor (X20)(SQ8)	1	(SEE PAGE C31) 191482
8	EW720006CX25	Wire Ass'y X25 (Reel Release Switch)	1	X
9	EW720005BX26	Wire Ass'y X26 (Machine Ready)	1	X
10	EW720005BX32	Wire Ass'y X32 (Control Wire for M4/M5)	1	X
11	M7-6-300100	Motor Cable (X37/X41, X38/X42, X39/X43) (M1, M2, M3)	3	191790
12	EW720005BX40	Wire Ass'y X40 (Power I for Main PCB)	1	X
13	EW720005BX03	Wire Ass'y X3 (Power II for Main PCB)	1	X
14	EW720006CX04	Wire Ass'y X4 (Reel)	1	X
15	EW720106CX11	Wire Ass'y X11/X13/X8 (Control Panel) (For 650W)	1	191692
	EW720108DX11	Wire Ass'y X11/X13/X8 (Control Panel) (For 850W/1050W)	1	X
	EW720116CX11	Wire Ass'y X11/X13/X8 (Control Panel) (For 1250W/1650W)	1	X
16	EW720016CX21	Wire Ass'y X21 (SQ9)(For 1250W/1650W)	1	X (SEE PG. C107)
17	M7-6-300200	Proximity Sensor Set (Foot Bar (Rear))(Option)	1	X



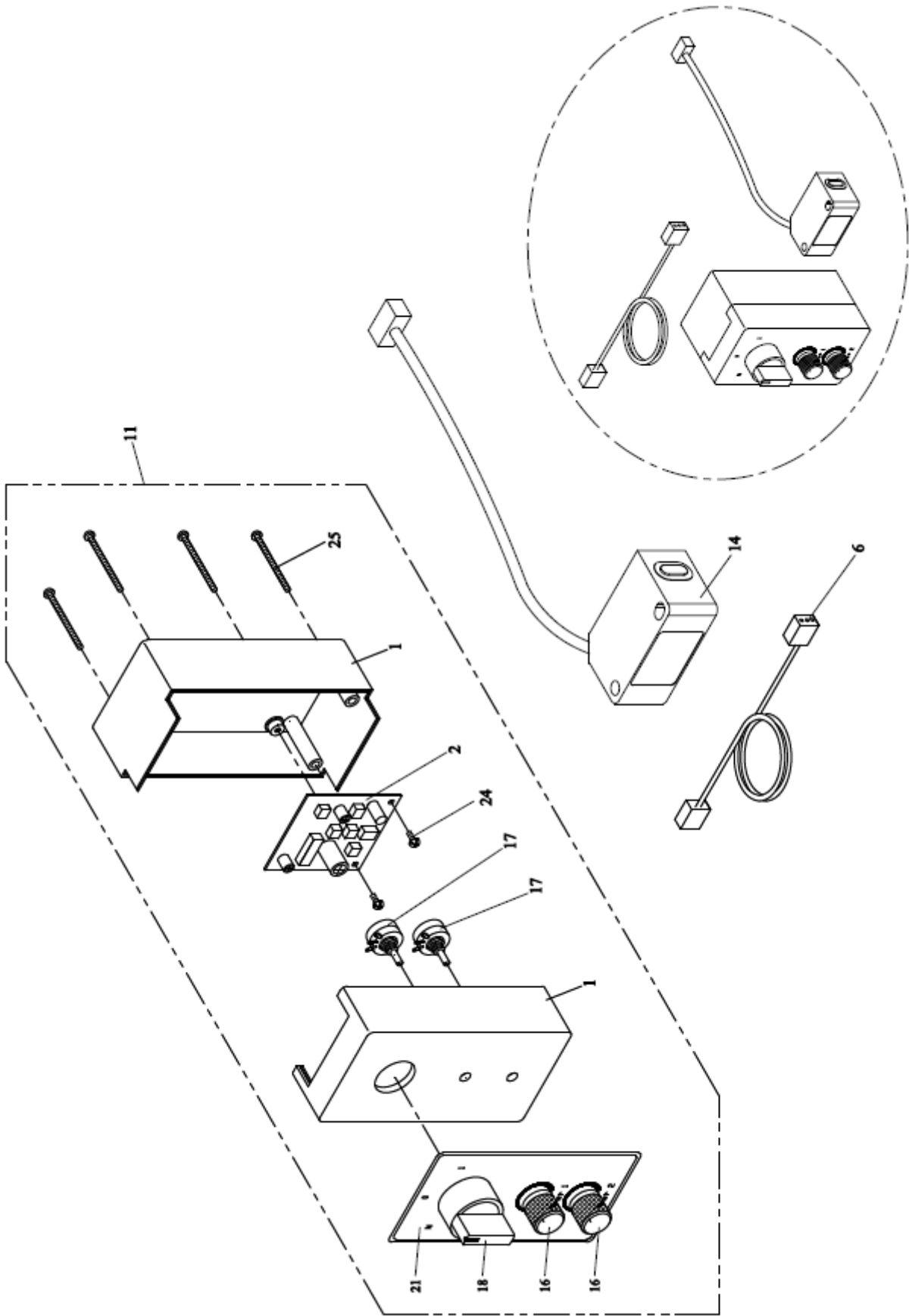
**6-3****WIRES GROUP****M7-6-300111****M7-6-300121****(2 OF 2)**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	POLYCHEM NO.
1	EW720005BM04	Wire Ass'y X4 (Power for M4/M5 PCB)	1	X
2	EW720006CM01	Wire Ass'y X1 (Power for M4/M5)	1	X
6	EW720005BH02	Wire Ass'y X2 (Power for H.T PCB)	1	X
7	EW720005BH01	Wire Ass'y X1 (H.T/Sensor/Fan)	1	X
8	EW720005BH03	Wire Ass'y X3 (Heater Ready)	1	X



PHOTO EYE TIMER BOX GROUP  
(OPTION)

M7-6-400000  
M7-6-400020



**6-4****PHOTO EYE TIMER BOX GROUP  
(OPTION)****M7-6-400000****M7-6-400020**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	POLYCHEM NO.
	M7-6-400000	Photo Eye Timer Box Group (For 650W) (Option)	1	X
	M7-6-400020	Photo Eye Timer Box Group (For 850W/1050W)(Option)	1	X
	M7-6-400030	Photo Eye Timer Box Group (For 1250W/1650W)(Option)	1	X
1	M7-6-401100	Box	1	X
2	M7-6-401200	P.C. Board	1	X
6	EW720005B006	Wire Ass'y (For 650W)	1	202738
	EW720008D006	Wire Ass'y (For 850W/1050W)	1	X
	EW720016C006	Wire Ass'y (For 1250W/1650W)	1	X
11	M7-6-400100	Photo Eye Timer Box Ass'y	1	191707
14	M7-6-301200	Photo Eye (PH1)	1	(SEE PG. C3) 191827
16	T5-4-10222	Knob (Hole $\phi$ 6.0)	2	191519
17	T5-4-10232	Variable Resistor (5K)( $\phi$ 6.0)	2	101539
18	T6-6-10570	3P. Selector Switch	1	205070
21	LA-20050	Label	1	X
24	PMS0305	PMS, M3×5	2	X
25	PMS0345	PMS, M3×45	4	X

06/2017