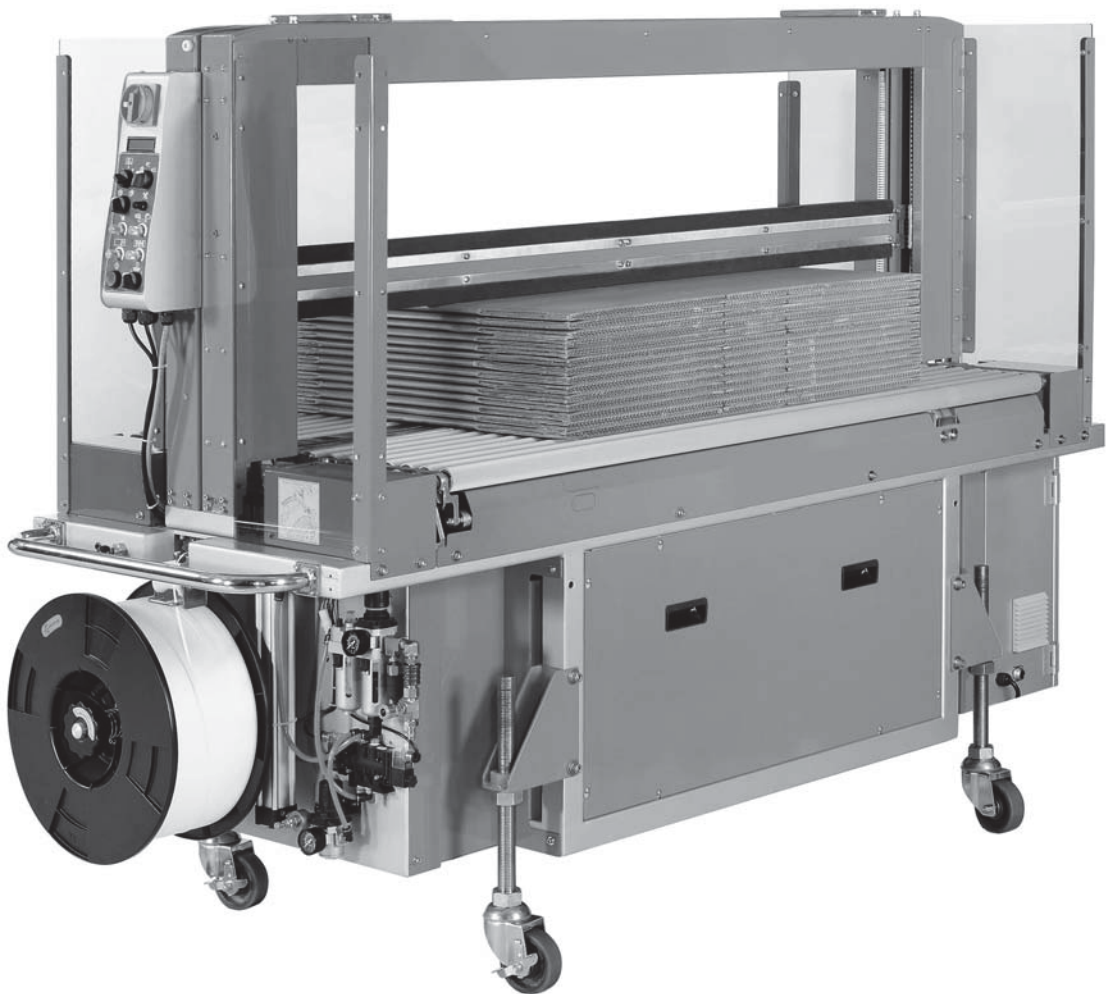


FULLY-AUTO CORRUGATED STRAPPER

TP-702C

IMPORTANT
Keep it

OPERATION, SAFETY
& SPARE PARTS
MANUAL



Made in Taiwan

Read All Instructions Before Operating This Product

Original Instruction

05/2024

CONTENTS

PART I

1	General Safety Instructions	A1
1.1	Basic Operation	A1
1.2	Basic Safety Precautions	A1
1.3	Safety Instructions Governing Specific Operational Phases	A2
1.4	Warning of Electrical Dangers	A3
1.5	Grounding Instructions Shall Include the Following	A3
1.6	Before Operating	A4
1.7	During Operation.....	A4
1.8	After Operating.....	A4
1.9	Signs and Symbols	A5
2	Machine Information.....	A6
2.1	Areas of Application.....	A6
2.2	Environment Information	A6
2.3	Storage.....	A7
2.4	Machine Description	A7
2.5	Safety Devices.....	A8
2.6	Technical Specification	A9

3	Preparation Before Operating the Machine.....	A11
3.1	Shipping	A11
3.2	Transportation & Centre of Gravity	A11
3.3	Construction Layout.....	A12
3.4	Installation.....	A14
3.5	Operation Space	A17
3.6	Operating Elements	A18
3.7	Instructions for Loading PP Strap.....	A20
3.8	Auto Strap Feeding Process.....	A21
3.9	How to connect Upstream and Downstream Machine (B5 Connector).....	A24
4.	Operating the Machine	A25
4.1	Function Encoder	A25
4.2	Manual Operation mode.....	A26
4.3	Transit Operation mode	A26
4.4	Automatic Operation mode	A26
5.	Adjustments.....	A27
5.1	Strap Amount in the Accumulator Box.....	A27
5.2	Adjustment for Feeding Pressure to the Accumulator Box	A28
5.3	Adjustment for Heater Temperature	A29

5.4	Necessary Adjustments After Changing Strap Width	A29
5.5	Adjustment for Feeding/Reversing Pressure.....	A32
5.6	Adjustment on Tensioning Rollers for High Tension	A34
5.7	Change Bundle Flow Direction.....	A34
6.	Troubleshooting.....	A35
7.	Maintenance.....	A39

PART II

1.	Pneumatic System Diagram	B1
2.	Wiring Diagram	B2
3.	Inverter Parameters Setup	B24

PART III

1. Strapping Head Unit	C1
2. Bandway Unit	C43
3. Accumulator Unit	C65
4. Reel Control Group	C85
5. Body Frame Unit	C95
6. Electric Control Unit	C113
7. Table Roller Unit	C131
8. Pneumatic Unit	C153

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 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

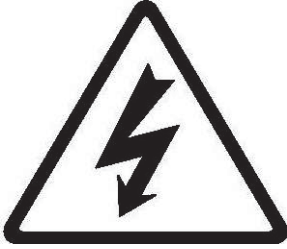
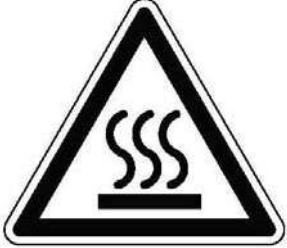
- The weight of the package cannot exceed 35kg.(97.3lbs)
- The size of the package should not be less than 300 mm(L) × 200 mm(W) × 20 mm(H) (11.8 inches × 7.87 inches × 0.79 inches).
- While running, check the unit for any unusual sounds or smoke emissions.
- Keep away from the inside of the arch while the machine is operating; do not put your hands or body into the arch when the machine is running.

NOTE: It is normal to see the smoke comes out the heater tongue 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
	Warning for dangerous voltage! Contact with live electrical parts will result in severe injury or death.
	Warning for hot surface! Welding area is approximately 270°C(520°F) Allow sufficient time for the heater to cool down before any work in welding area.
	Warning for danger! Do not put your hands into working area when machine is operating.
	CAUTION! Keep away from “Roller” in machine for safety when machine is running.
	Warning for danger! 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 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

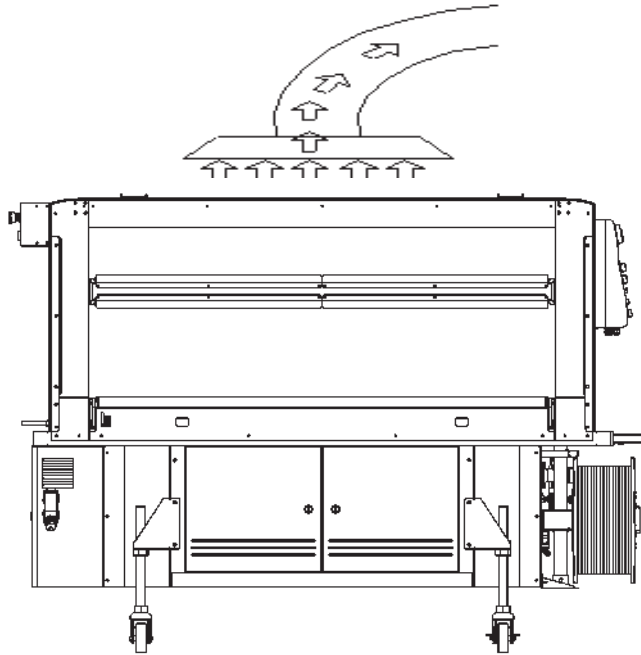
The strapping machine shall be installed in the following conditions:

- 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 used under an elevation of 1000 meters.
- 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.

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.
- Electronic heater temperature control.
- Automatic strap loop ejection in case of strapping cycle without package.
- Extra tough construction.
- Hinged table top.
- Simple, safe and user-friendly operation.
- Automatic strap feeding system.
- Automatic strap end detection.
- Sensor controlled heater.
- Mobile, with large table area and high capacity strap reel.
- Strap tension adjustable from soft to very high.
- Photo cells function available to select single / double or continuous straps per box.
- Transit model with stepless speed Roller-driven table.
- Up and down stream interlock with complete plug connection.

2.5 Safety Devices



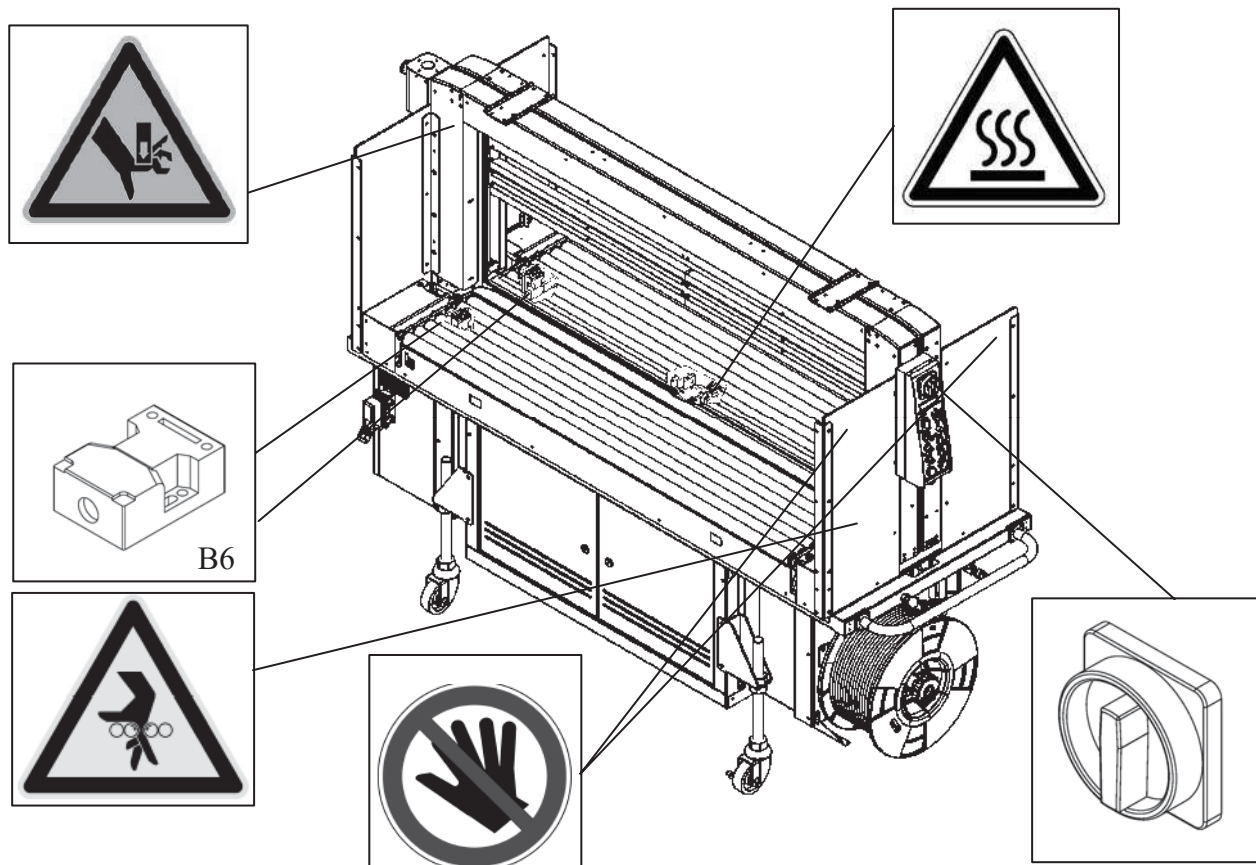
Danger!

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 opened
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 door is opened, safety switch B6 is activated. This will remove power but the heating element will keep heating.

CAUTION!

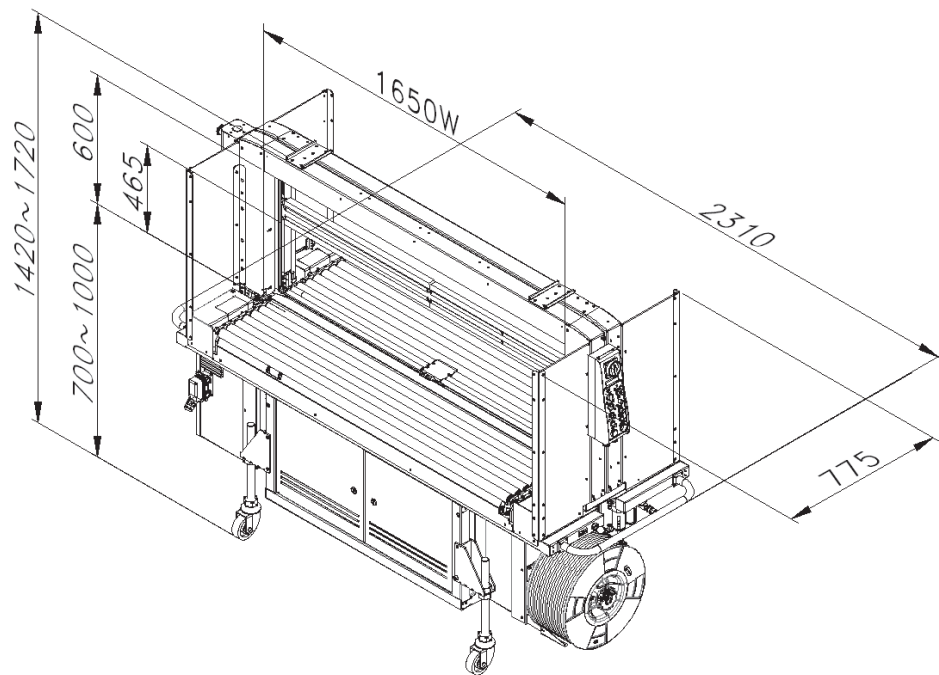
The heating unit operates at a very high temperature in order to melt the PP strapping. To prevent burns, avoid contact with this area.

2.6 Technical Specification

2.6.1 Electrical Specification

System configuration:	3L+PE (Ground)	
Nominal power:	1.0kW	
Rated current:	5A	3A
Rated voltage:	220V	400V
Rated frequency:	50/60Hz	
Type of current	AC - 3 phase	

2.6.2 Technical Data

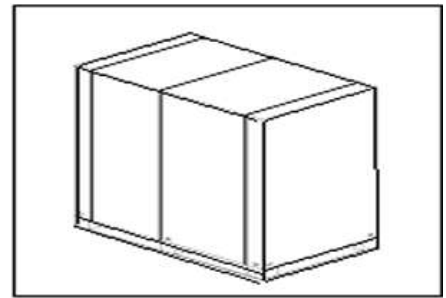


Strap width	5mm, 6mm, 9mm
Strap thickness	0.35mm up to 0.65mm (0.014" – 0.026")
Strap coil diameter	Coil diameter 200mm (8" nominal) Outside diameter 420mm (16.5") Width (Face) 190mm (7.5")
Table height	Minimum – 700mm (23.56") Maximum – 1000mm (39.37")
Weight	506KG
Air Consumption	6.7 liter / cycle
Noise emission	85dBA
Ambient temp	5°C ~ 40°C (41°F ~104°F)
Minimum package size:	200mm W × 20mm H × 300mm L (7.87" W × 0.79" H × 11.8" L)
Sealing method	Heat-weld sealing
Maximum package size:	The Maximum Height of package depends on the space between arch. EX: arch size: 1650W×450H Max. package size: 1600mm W×450mm H (62.99" W × 17.71" H)

3 Preparation Before Operating the Machine

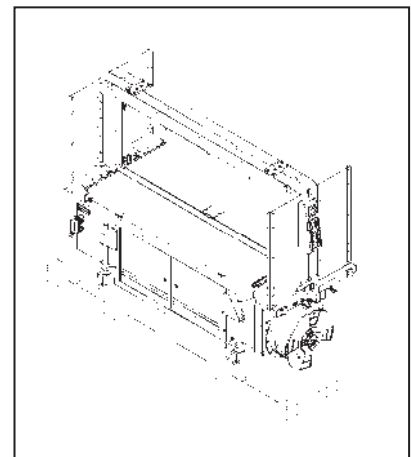
3.1 Shipping

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

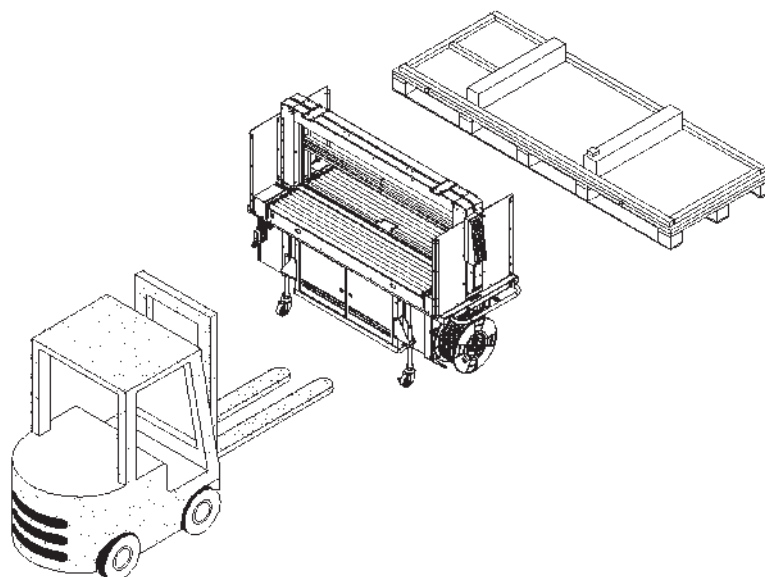
The machine must be secured on a pallet for transportation. A forklift (or other lifting device) is necessary for lifting the machine to the pallet. The casters must be fit nicely in the recess on the pallet for proper packaging. Secure the machine to the pallet with plastic strapping across the top plates with a layer of cardboard on it to avoid damage. Cover the machine with sturdy box for protection and hold the whole box to the pallet with plastic strapping.



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

CAUTION!

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





Danger to Lift!

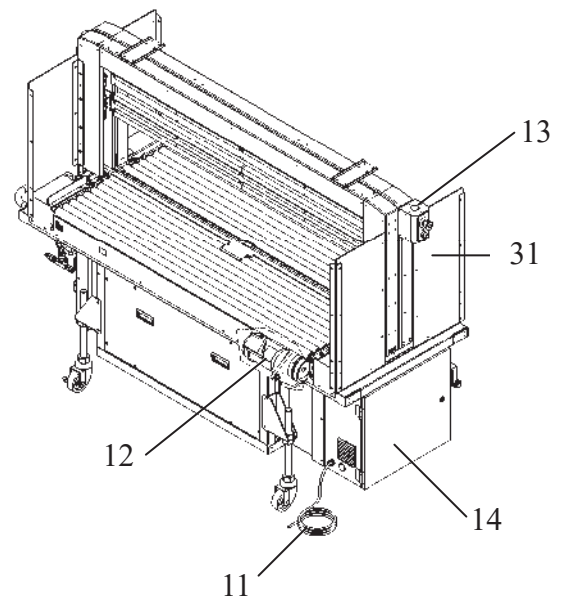
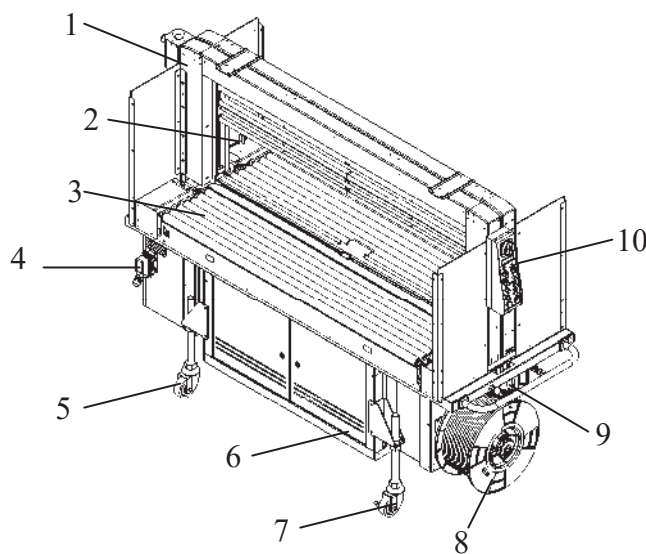
Suspend loads can fall down.

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. PH1(Photo eye)
3. Upper Table Front
4. B5 Connector
5. Caster (Free)
6. Front Door
7. Caster (Brake)
8. Reel
9. Reel Brake Release
10. Control Panel
11. Power Cord
12. Transit Motor M6
13. Control Box

14. Electric Control Box

15. Light tree

16. Press Bar

17. Counter (Option)

18. Foot Pedal (Option)

19. Strapping Head Unit

20. Main Motor M1

21. Feed Motor M2

22. Tension Motor M3

23. Strap Accumulator Motor M4

24. Automatic Feed Motor M5

25. Proximity Sensor SQ1 (For short feed)

26. Proximity Sensor SQ2 (Detects timing lobes on the Position Cam M7-1-112101)

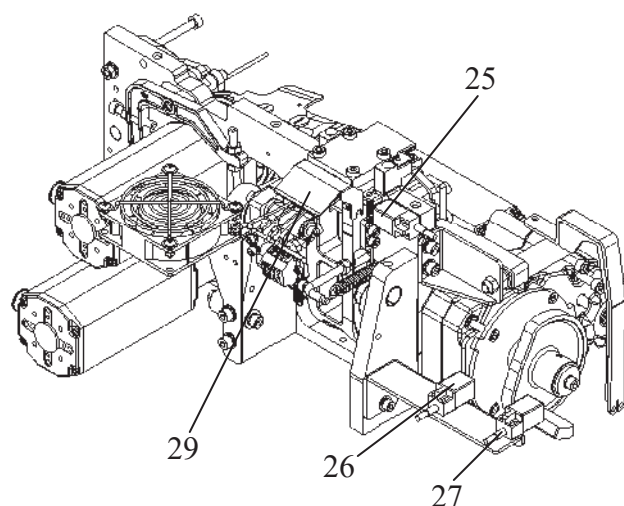
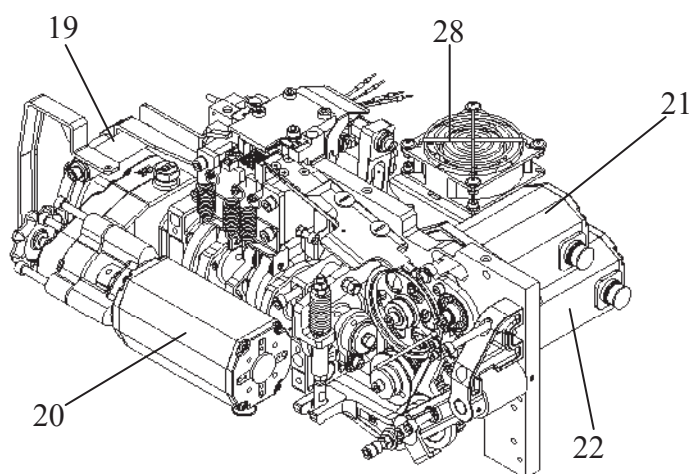
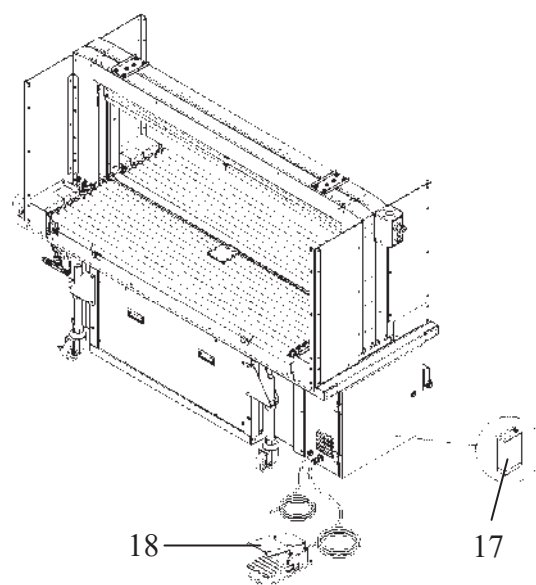
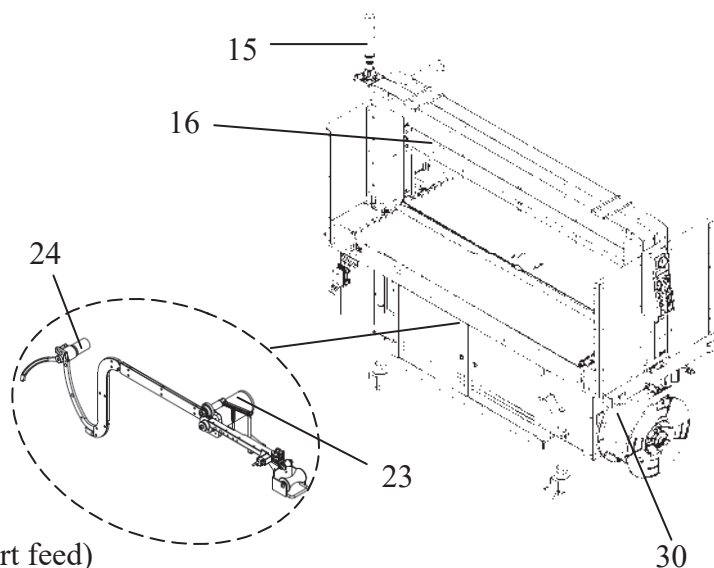
27. Proximity Sensor SQ3 (For home position)

28. Fan (M11)

29. Heater

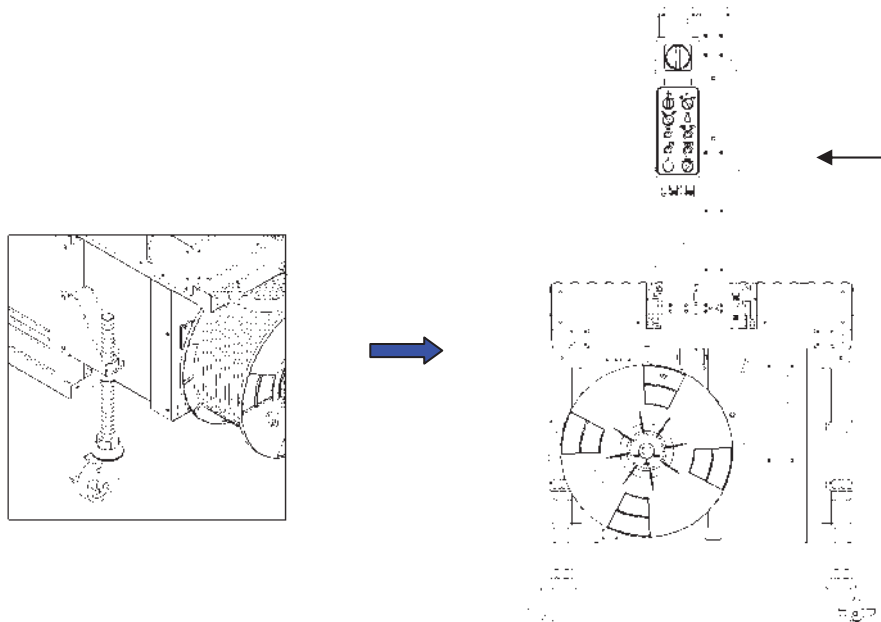
30. PH3 (Strap amount detection sensor)(Option)

31. Safety Guard

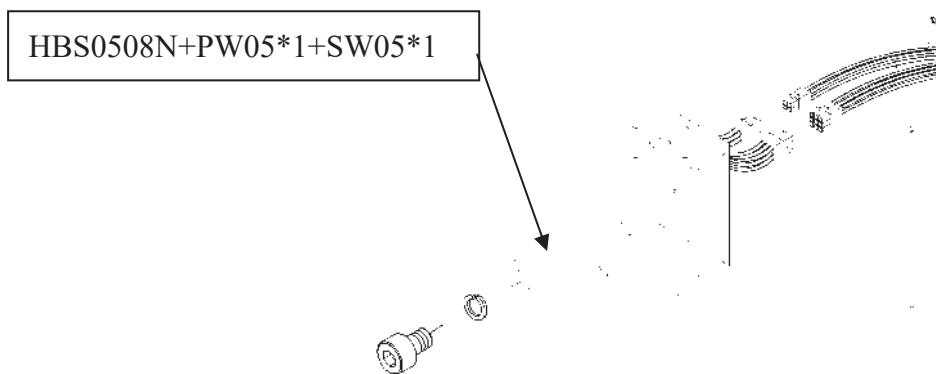


3.4 Installation

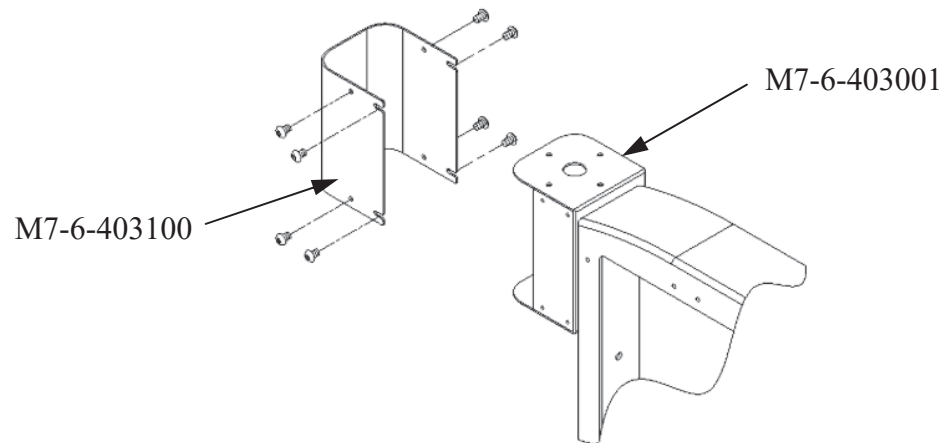
1. Remove the packing material and check if the machine is complete without any shipping damage.
2. After positioning it, use a wrench to loosen the screws of the castors. Let the table height of TP-702C match to the upstream and downstream.



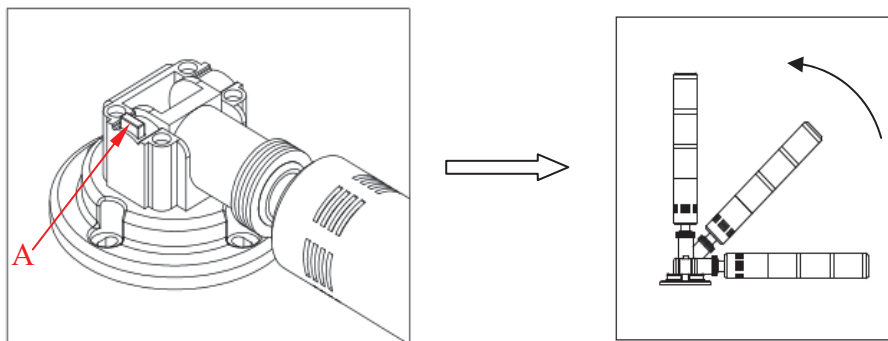
3. Installation light tree and Warning Lamp Box (Light tree is option)
 - a. Please plug the connectors and then install the M7-6-403001 Warning Lamp Box on TP-702C. with (HBS0508N+PW05*1+SW05*1)*2.



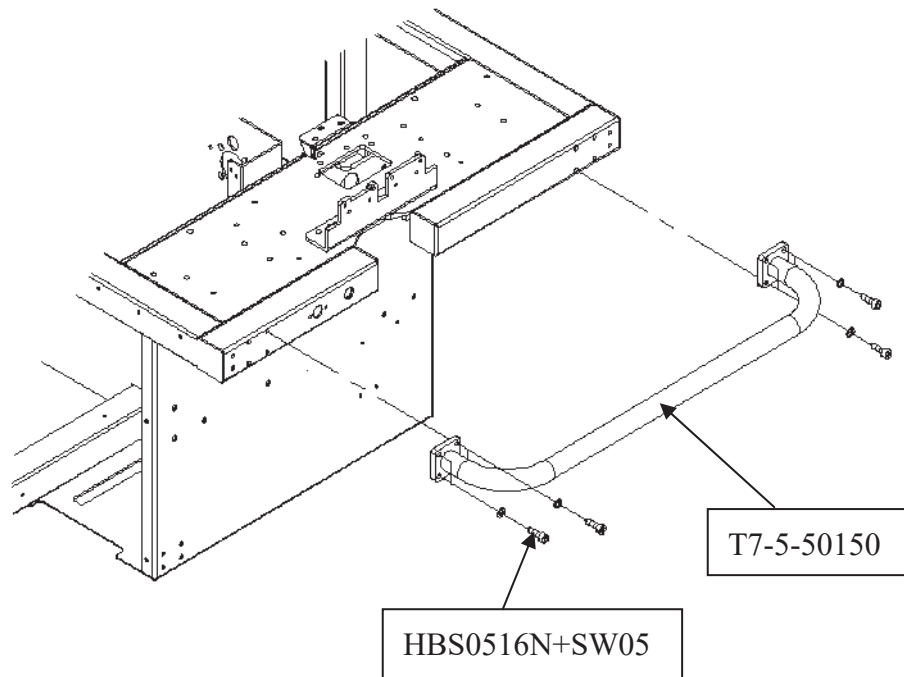
- b. Please fix M7-6-403100 Warning Lamp Box Cover on M7-6-403001 Warning Lamp Box by THS0412N*8.



- c. Press button A and make light tree stood.(option)

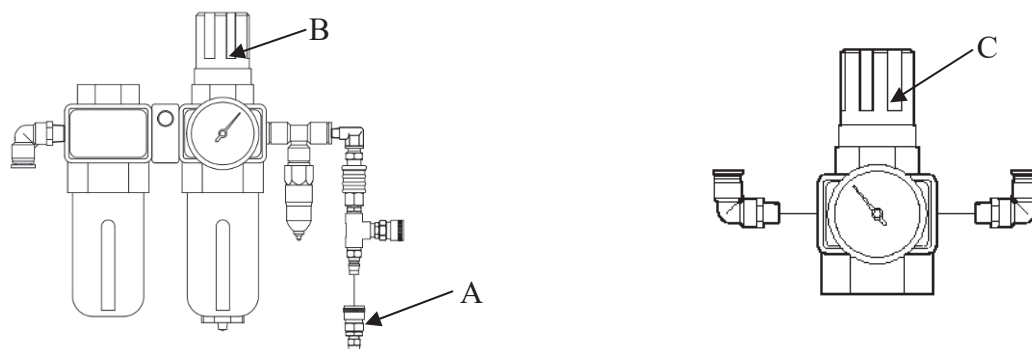


4. The electrical supply cord for the machine must have a minimum cross-section of at least 1.5 mm² (16 AWG) and the power cord Length should be less than 500cm.
5. The maximum power line fuse must not exceed 16 Amp.
6. The compressed air supply should be at least 6 bar.
7. Install T7-5-50150 Protect Arm
Fix T7-5-50150 Protect Arm with HBS0516N+SW05*8.

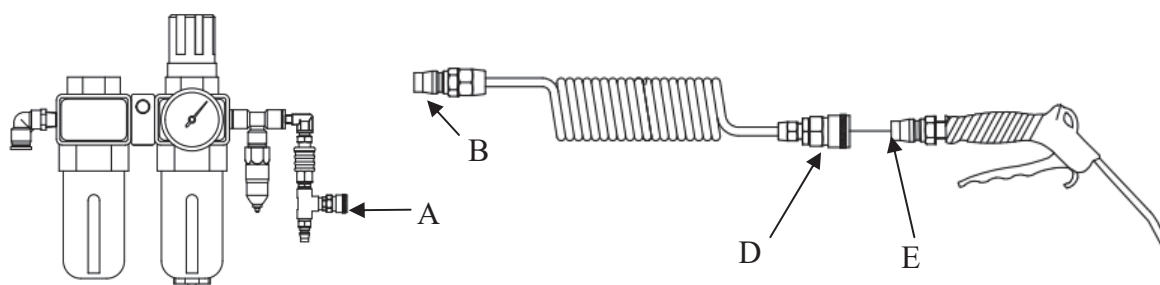


8. Pneumatic connection

- a. The strapping machines require 3/8" air hose connection (A)
- b. The ascending pressure of Press Bar can be adjusted by knob (B) (standard figure is 5kg/cm²). To alter operating pressure, the knob (B) has to be pulled upward before you adjustment. Turn the knob clockwise to increase the pressure; turn it counterclockwise to decrease the pressure.



- c. The descending pressure of Press Bar can be adjusted by knob (C). (standard figure is 3kg/cm²) To alter operating pressure, the knob (C) has to be pulled upward before you adjustment. Turn the knob clockwise to increase the pressure; turn it counterclockwise to decrease the pressure.
- d. Connect A to B. Connect D to E.

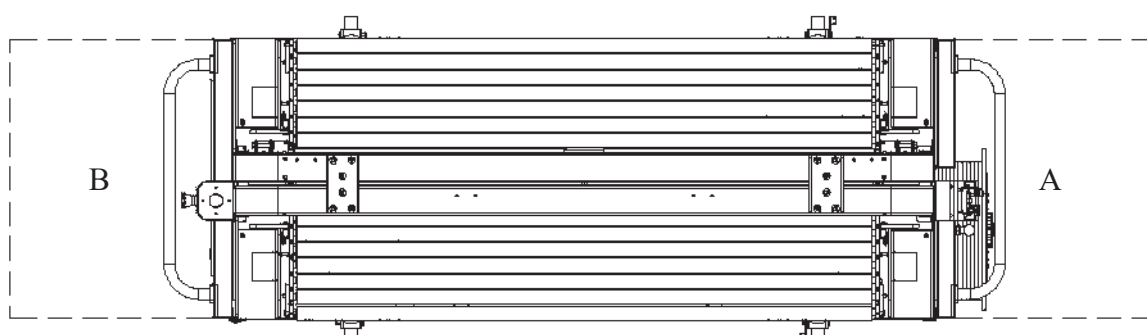


3.5 Operation Space

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

The area (A) is necessary for hanging the strap or operating strapping machine.

The area (B) is necessary for checking the Electricity.



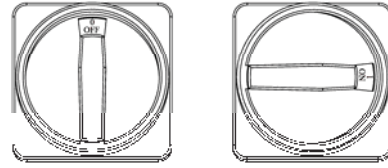
3.6 Operating Elements

1. Main Power Switch:

Provide 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:

Indicate strapping condition of machine and error messages.

3. Selector Switch

This switch is used to select how many (1, 2, or N) straps required for each package.

The selector switch will function only when selector switch is at position  (AUTO).

Note:

When 2 or N straps is required for the package.

You need to adjust the timer T2 for next strapping until photo eye is off. (PH1).

4. Selector Switch

While selector switch is at position  (Manual), table rollers will stop running and the photo cells will not function but the machine can strap by pushing the (START) switch.

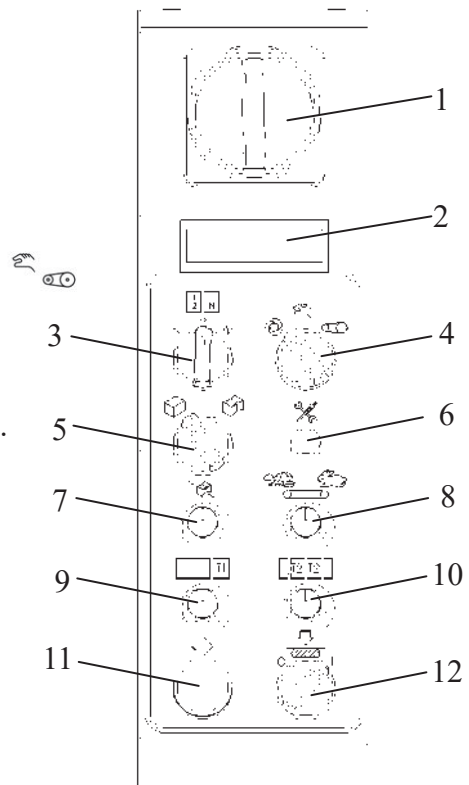
While the selector switch is at position  (AUTO), the table rollers will run and photo cells works so when package passes under the arch, the machine will automatically strap the package.

When the selector switch is at position  (TRANSIT), it is for transit (the table rollers will run but the photo cells do not function).

5. Soft - High Tension Switch:

Switch to right () for High strapping tension.

Switch to left () for soft strapping tension.



6. : **Function Encoder**

Turn clockwise or counterclockwise to change strapping settings.
such as weld cooling time...etc. Some settings can only be changed by technicians with password.

7. **Strap Tension Potentiometer:**

Turn clockwise to increase strapping tension, turn counterclockwise to reduce strapping tension. This potentiometer is only functional under High tension mode.

8. **TRANSIT SPEED Adjustment Knob**

External adjustment of transit speed by simple turn of a dial. Turn clockwise to increase transit speed; turn counterclockwise to reduce transit speed.

9. **Timer (T1)**

While STRAP/BUNDLE is set at 1 or 2 or N, this is the delay time that the first strap cycle will be activated after photo eye (PH1) is triggered.

10. **Timer (T2)**

While STRAP/BUNDLE is set at 2 or N. This is the delay time that the second strap cycle will be activated after first strapping finish.

11. **Start Switch:**

- After turning on **Main Power Switch**, you must press the start switch for machine to get ready for work.
- To initiate a strapping cycle.
- To clear up machine fault. (reset)

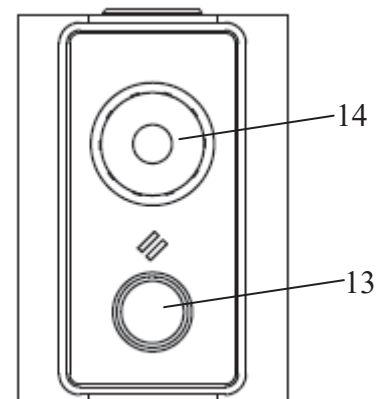
12. **PRESS BAR selector switch**

Bundle press functions only when PRESS BAR selector is set at "1".

Strap without bundle press when PRESS BAR selector is set at "0".

13. **Reset Button**

- After turning on **Main Power Switch**, you must press the start switch for machine to get ready for work.
- To clear up machine fault. (reset)



14. Emergency Stop switch

The switch functions for urgently stop the machine. When pressing this STOP switch, the power supply will be shut down immediately. After pressing the switch, it will be locked. For releasing Stop function, just gently turn it clockwise.

Remember you still need to press  or  to let the machine back to normal operation.

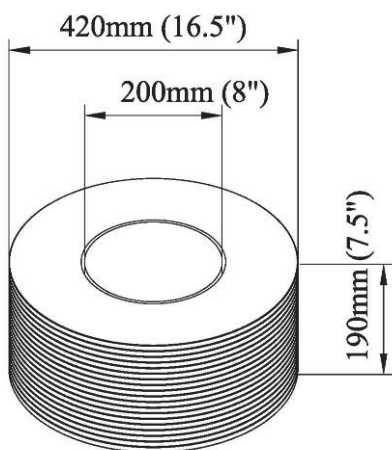
3.7 Instructions for Loading PP Strap

3.7.1 Specifications

Polypropylene Strap

Width: 5, 6 or 9mm

Thickness: 0.35-0.65 mm (0.014" –0.026")

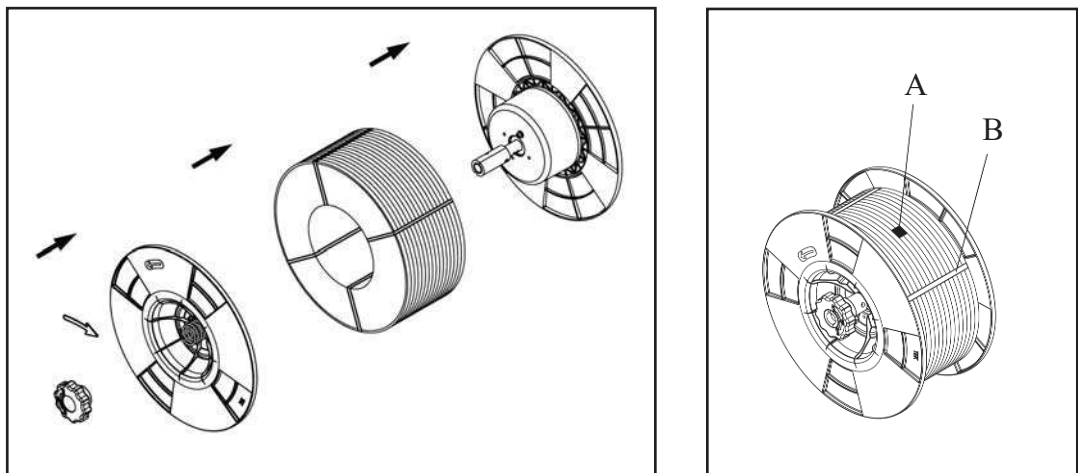


3.7.2 Strap Reel Installation

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 right side of control panel to the right (at 1 position), and press Start button.
2. Press “Reel Release Switch A” and pull out around 60cm strap.
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).

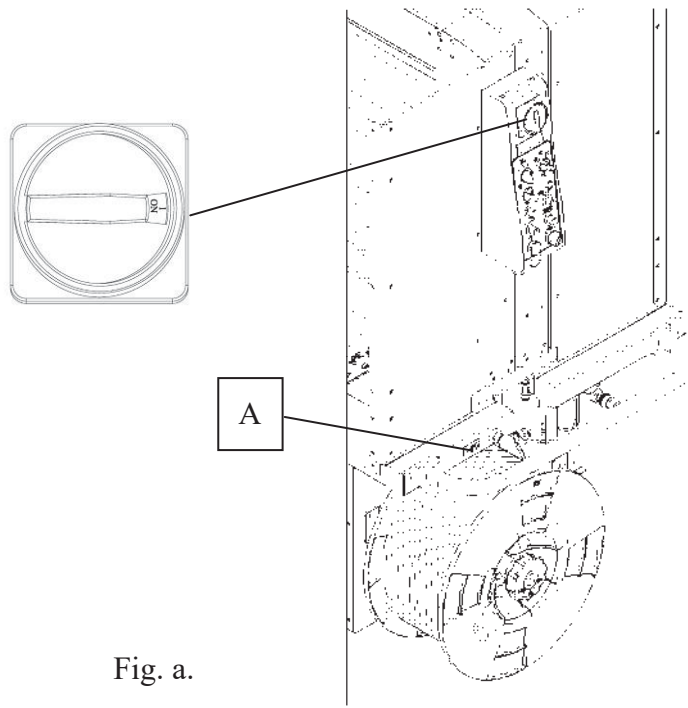


Fig. a.

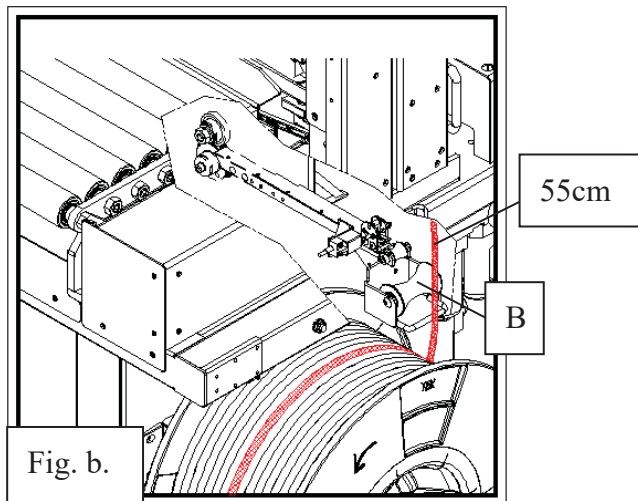


Fig. b.

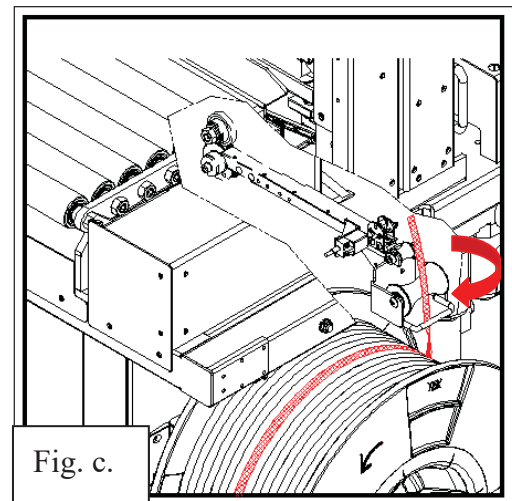


Fig. c.

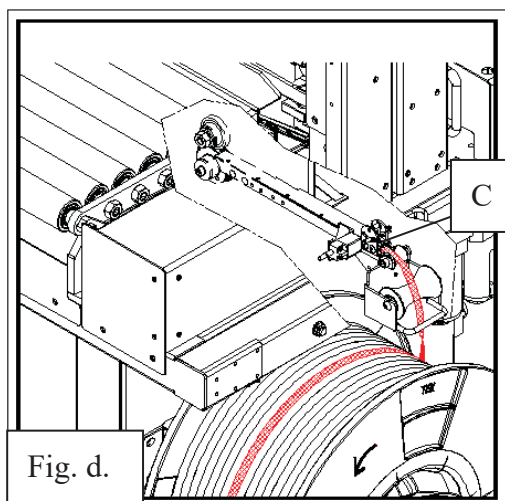


Fig. d.

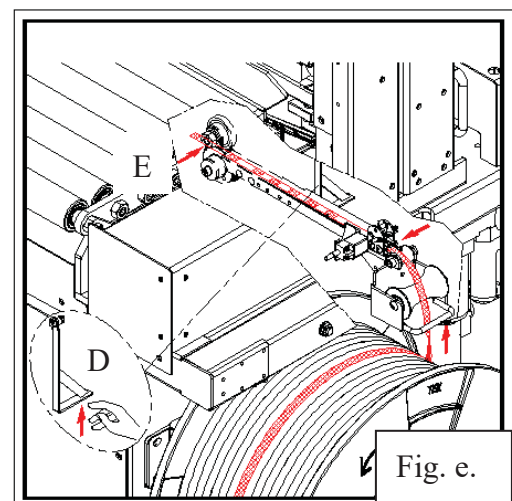
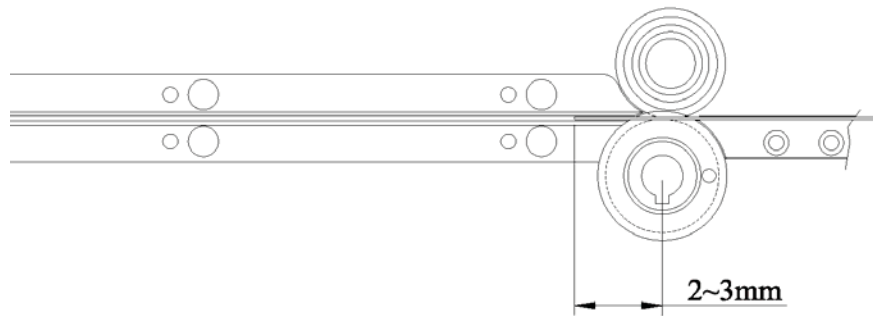


Fig. e.



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 6 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 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.

3.9 How to connect Upstream and Downstream Machine (B5 Connector)

- Pin1 and Pin 2: For sending the READY signal to the upstream device. Relay K3 as a set of potential free contactors to send the signal. During strapping operation, the signal is OFF, so the next bundle will not be allowed to enter the machine.
- Pin3 and Pin 4: For sending the STOP signal. It is NC type (Normally Closed), and it is usually used for the upstream device.
- Pin5 and Pin 6: For sending the STOP signal. It is NO type (Normally Open), and it is usually used for the downstream device.
- Pin8 and Pin 9: For receiving the READY signal from the downstream device to allow the strapped bundle to enter the downstream device. If the machine does not receive the READY signal from the downstream device after strapping, the bundle would keep staying in the machine. If there's no downstream device connected, Pin 8 and Pin 9 should have a shortcut connection to each other to simulate the READY signal to let the belts running, otherwise, the table belts are unable to run. (The default setting has already made a shortcut connection between Pin 8 and Pin 9.)
- Pin10 and Pin 11: For receiving the STOP signal. It is NC type (Normally Closed). The two pins are for the series connection with the production line which provides the STOP signal. If the production line doesn't provide the STOP signal, the Pin 10 and Pin 11 should have a shortcut connect connection to each other to let the machine keep working. (The default setting has already made a shortcut connection between Pin 10 and Pin 11.)

Caution:

Mistake the connection (over voltage or current) may damage the K3 relay

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.

4.1 Function Encoder

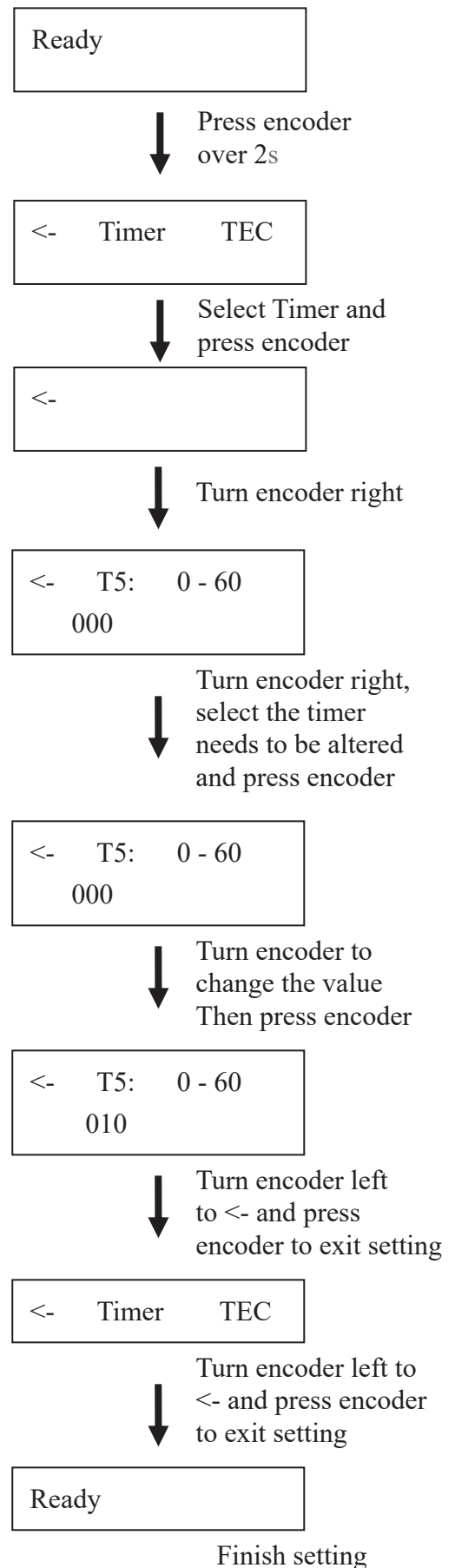
LCD display will show various timers such as cooling time, timer 1, timer 2...etc. After pressing the function encoder for over 2 seconds, turn the knob to choose the timer needed to be changed. Press this knob to confirm the timer needed altered and turn it again to alter the value, and then press it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

T5: Cooling time timer, Range 0-0.6s

T3: Delay time for press Bar starting to descend after T1 is finished.

T4: When Press bar starts to function, T4 timer is counting. After T4 setting time is over, machine will do strapping. Range 0-3s

T33: Delay time for Press Bar starting to descend after T2 is finished.



4.2 Manual Operation mode

1. Make  selector switch to position .
2. Place a package on the table.
3. Adjust selector switch   and Tension Potentiometer according to required tension force.
4. Push start switch  or foot pedal switch (option) or Movable start Switch to start strapping.

NOTE!

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

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 Transit Operation mode

1. Make  selector switch to position .
2. Adjust Transit Speed Adjustment Knob  properly.

Note!

If there's no signal from downstream equipment, table rollers would not run.

4.4 Automatic Operation mode

1. Make  selector switch to position .
2. Adjust Transit Speed Adjustment Knob  properly.
3. Adjust selector switch   and Tension Potentiometer according to required tension force.
4. Decide the straps numbers on a package with  selector switch.
5. Place package in upstream conveyor and machine would make strapping on the package according to the settings.
6. Move photo cells or make adjustment of T1 or T2 to change the strapping position on the package.

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!

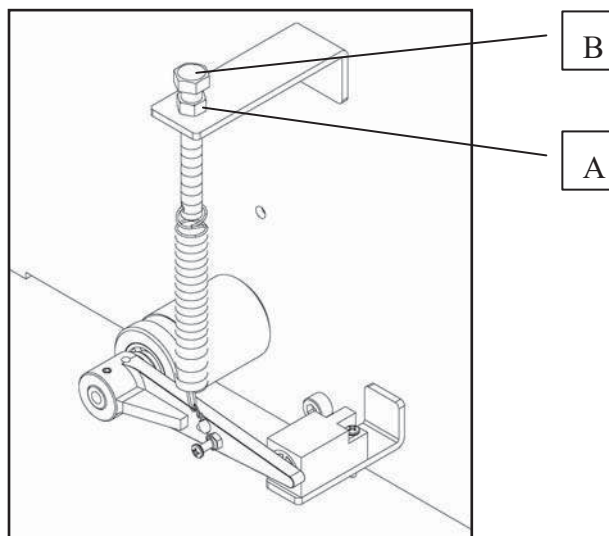
Excessive amount of strap in the Accumulator Box can lead to strap jam (too curved) and cause feeding problem.

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 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.

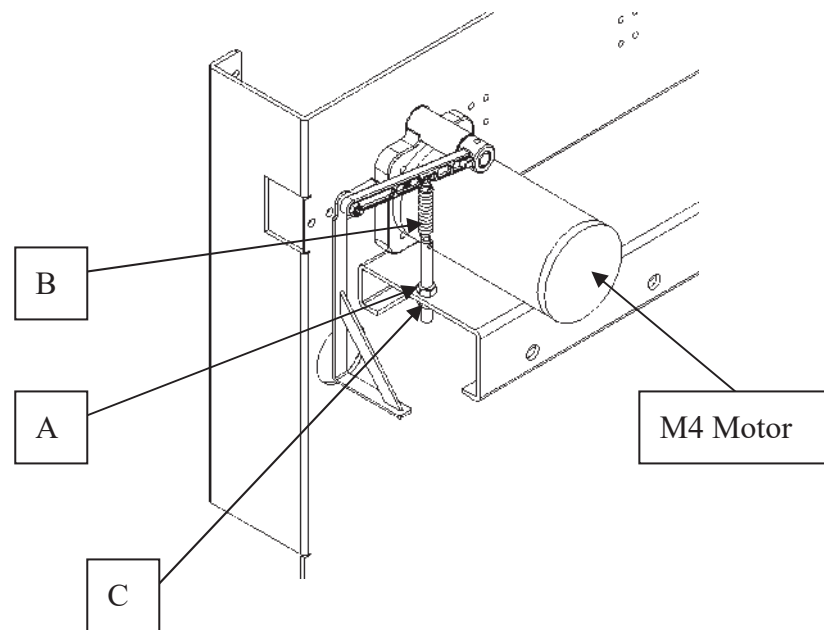
In case that there is excessive amount of strap in the Accumulator Box, loosen the Nut A and turn the Screw Bolt B clockwise. After adjustments, be sure to tighten the Nut A to avoid unstable strap accumulation.



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.

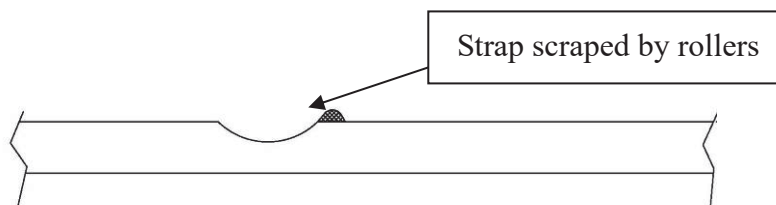
When it's necessary for increasing the feeding pressure, please loosen the Nut A and turn Nut C upwards to increase the strength of Spring B. Be sure to tighten Nut A by turning it counterclockwise after adjustments.



Caution!

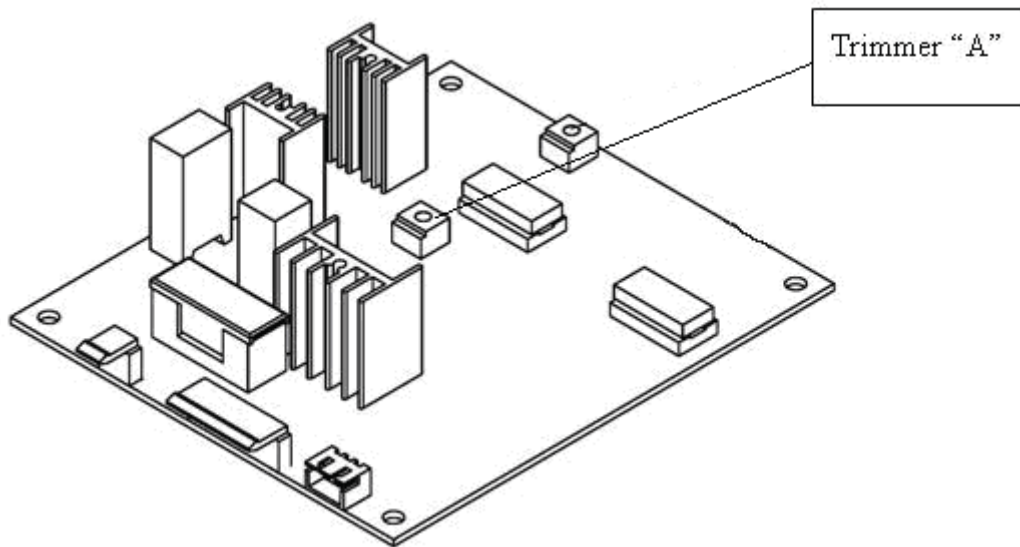
Too much feeding pressure could lead to feeding problem as the strap would be scraped by the rollers easily as show below.

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



5.3 Adjustment for Heater Temperature

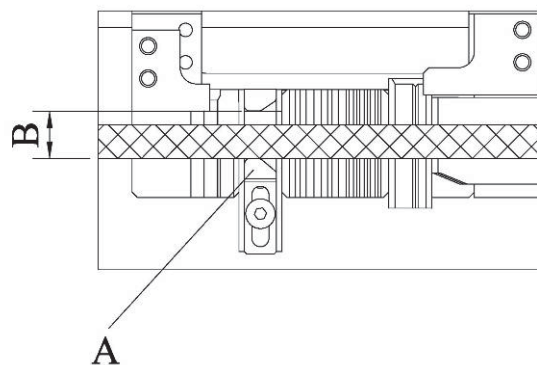
The machine has been already well set for proper heater temperature. It might be necessary to do some adjustments according to temperature in working environment, and the quality of P.P. strap to ensure better sealing efficiency. Turn ‘A’ clockwise to increase the heater temperature and turn it counterclockwise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



5.4 Necessary Adjustments After Changing Strap Width

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.

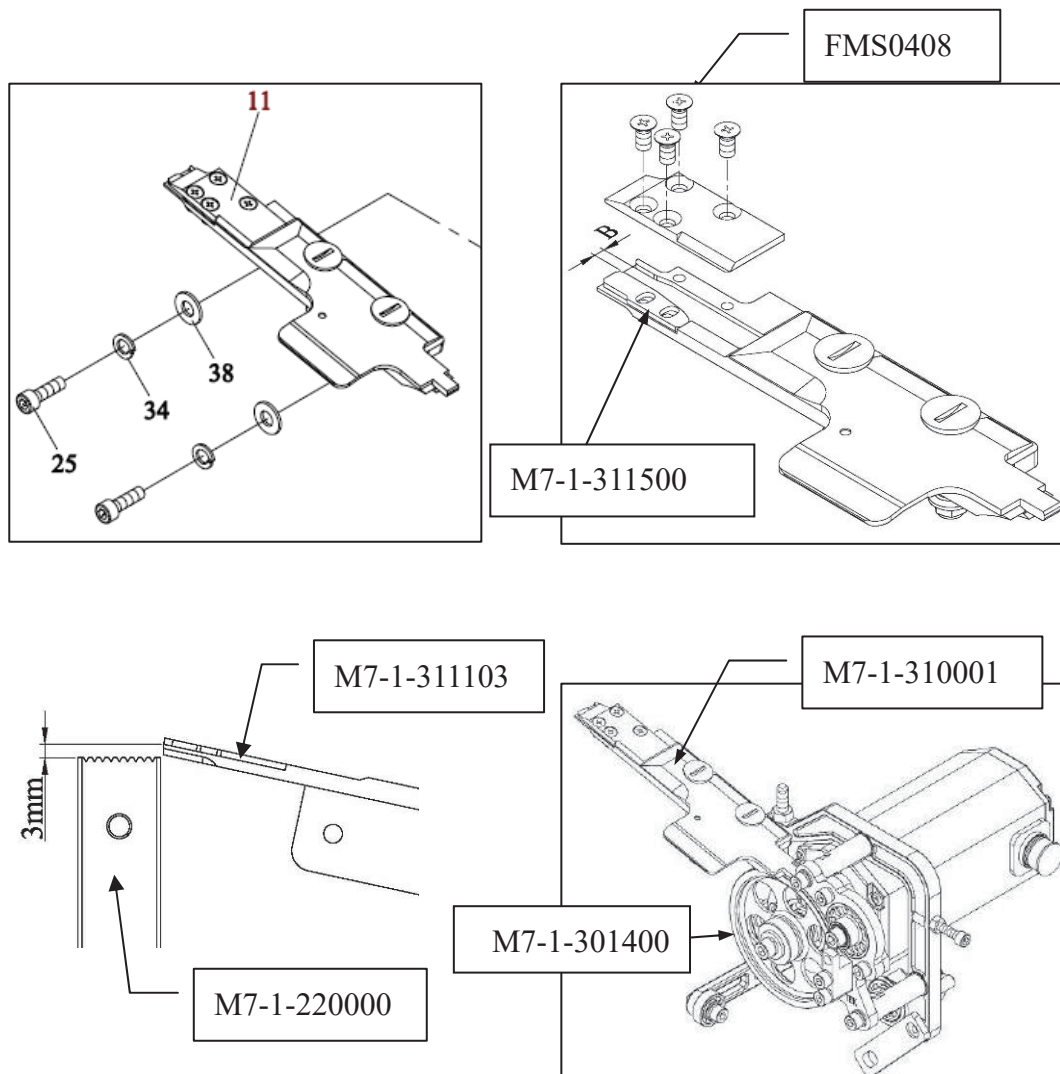


Caution:

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

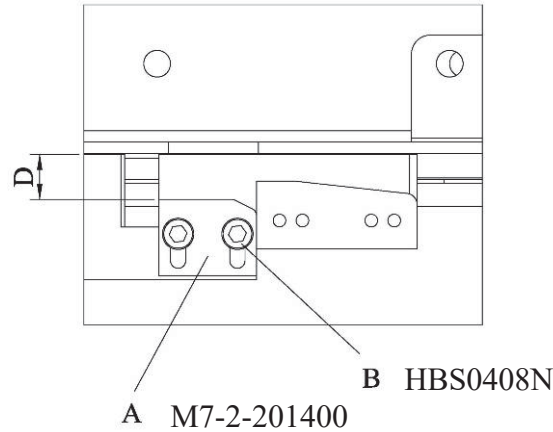
2. Adjusting “M7-1-311500 Adjusting Plate” only for 5mm and 6mm.

Loosen #25 HBS0412N×2 to remove #11 M7-1-310001 Upper Guide Ass'y (For 5-6mm) from the machine. Then loosen FMS0408×4 on it and take a piece of p.p. strap which would be running by this machine for properly adjusting M7-1-311500 Adjusting Plate (Only 5-6mm). Make sure the width B is around 0.5mm (0.02”) wider than the strap. After proper adjustment, tighten FMS0408×4 and have M7-1-310001 Upper Guide Ass'y (For 5-6mm) fixed back to the machine. While having M7-1-310001 Upper Guide Ass'y (For 5-6mm) fixed back to the machine, be sure its left side must be around 3mm higher from Press Bar Ass'y M7-1-220000. Also the right bottom side of M7-1-310001 Upper Guide Ass'y (For 5-6mm) should have some clearance between M7-1-301400 Guide Wheel (For 5-6mm). This clearance should not be wider than the strap's thickness or strap would probably slip out while doing Auto Strap Feeding.



3. 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.



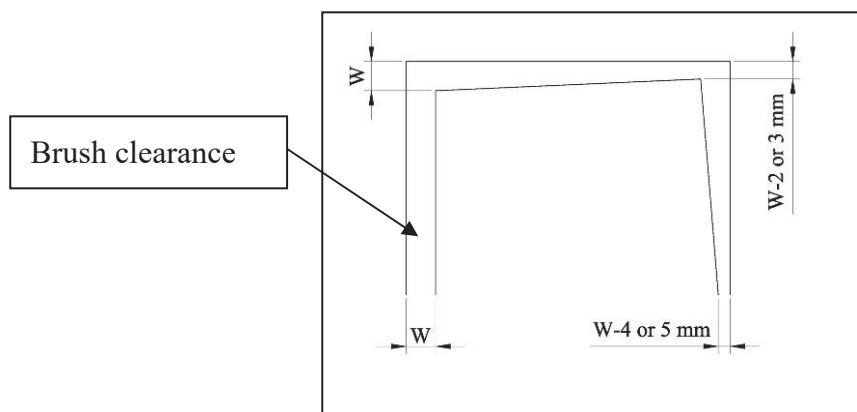
Caution:

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

4. 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:

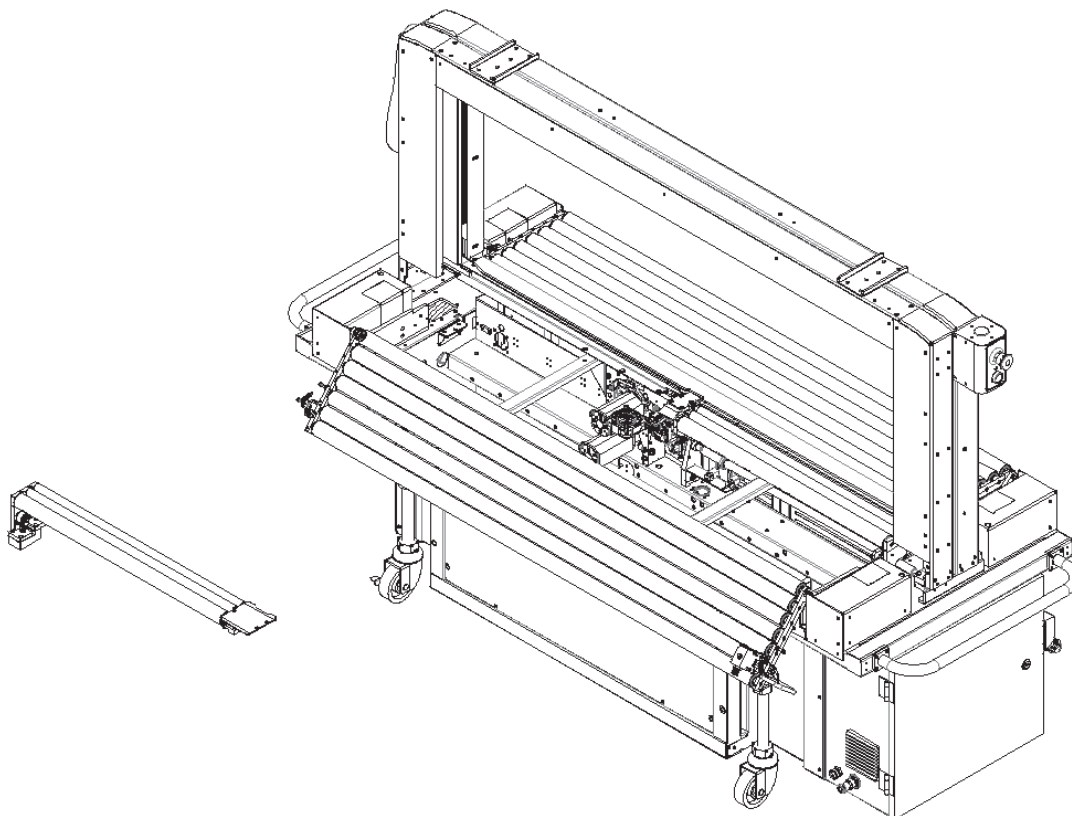
The brush clearance could be various according to different package size. The brush clearance needs to be bigger for not having any effect on reversing especially when the package size is close to the arch size.

5. 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

Please open Upper table rear to adjust the Feeding/Reversing pressure. The power is shut down once the table is opened as there are safety switches underneath the table top.

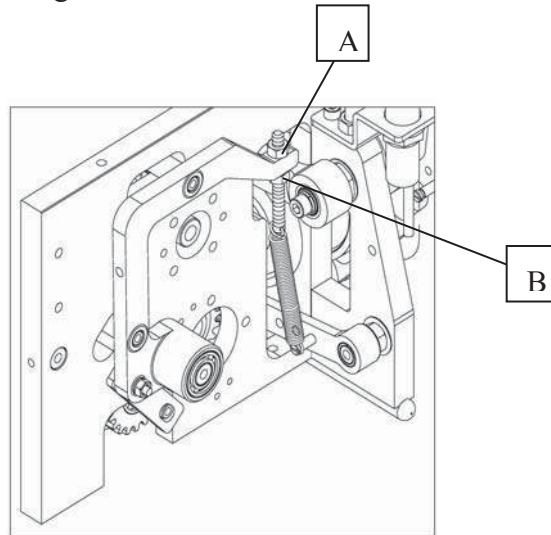


1. Adjusting the Pressure for Feeding

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.

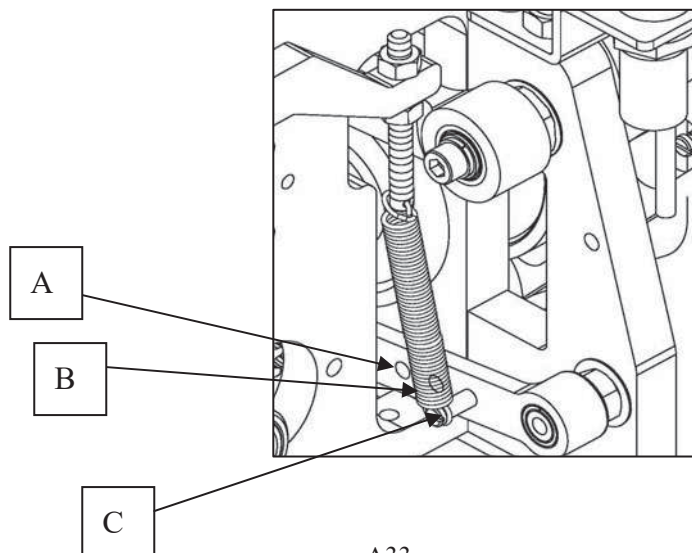


2. Adjusting the Pressure for Reversing

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.



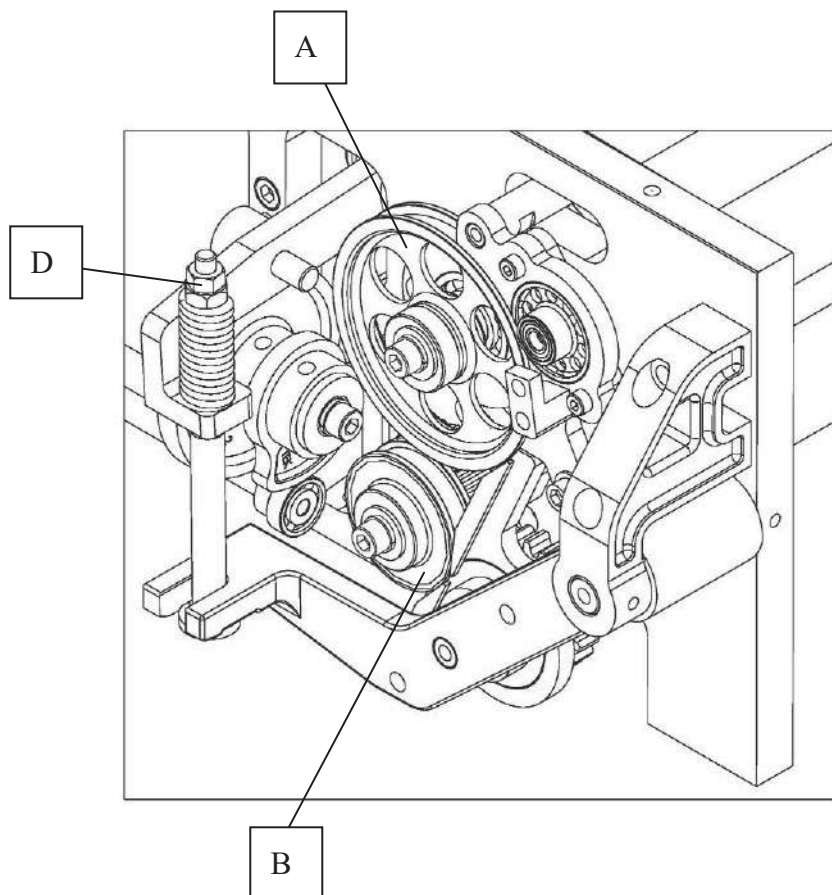
5.6 Adjustment on Tensioning Rollers for High Tension

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 at “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.



5.7 Change Bundle Flow Direction

If you need to change the bundle flow direction, please do it as following steps:

1. Change the phase sequence of M6 motor. (Please refer to B2 / ED1, interchange either 2 wires from frequency inverter to M6 motor)
2. Change the positions of PH1 and reflector to the other side.

6. Troubleshooting

The LCD display would flash and show failure message when machine is not working due to malfunction.

Message shown on the LCD could be 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 activated or Emergency Stop 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. SQ6 failure: PCB doesn't receive the signal from SQ6 in 1 sec after SQ3 is on. Check the Screws or wire of SQ6, maybe the screws or wire is loose, or sensor is defective. Maybe there is some debris between the strap track and arch, press restart button after takeoff the debris.

3. Malfunction from procedures:

- a. ASF failed: Auto Strap Feeding failed. It might be caused by wrong inserting direction or inserting too much strap. Please re-do the Auto Strap Feeding.
- b. Short feed: Resulting from not being able to feed strap to the sealing position.

When short feed occurs, press the Start Switch or Foot pedal first to let the arch open and strap comes out of the arch. Hold the strap by left hand and then press the Start Switch or Foot pedal again. Machine would reverse the strap a little bit and cut it, and then machine would go back to home position and feed again.

If the strap did not come out of the arch, and strap underneath the table top, please follow the step below to do the troubleshooting.

b-1. Please press Start button to open Strap Track firstly.

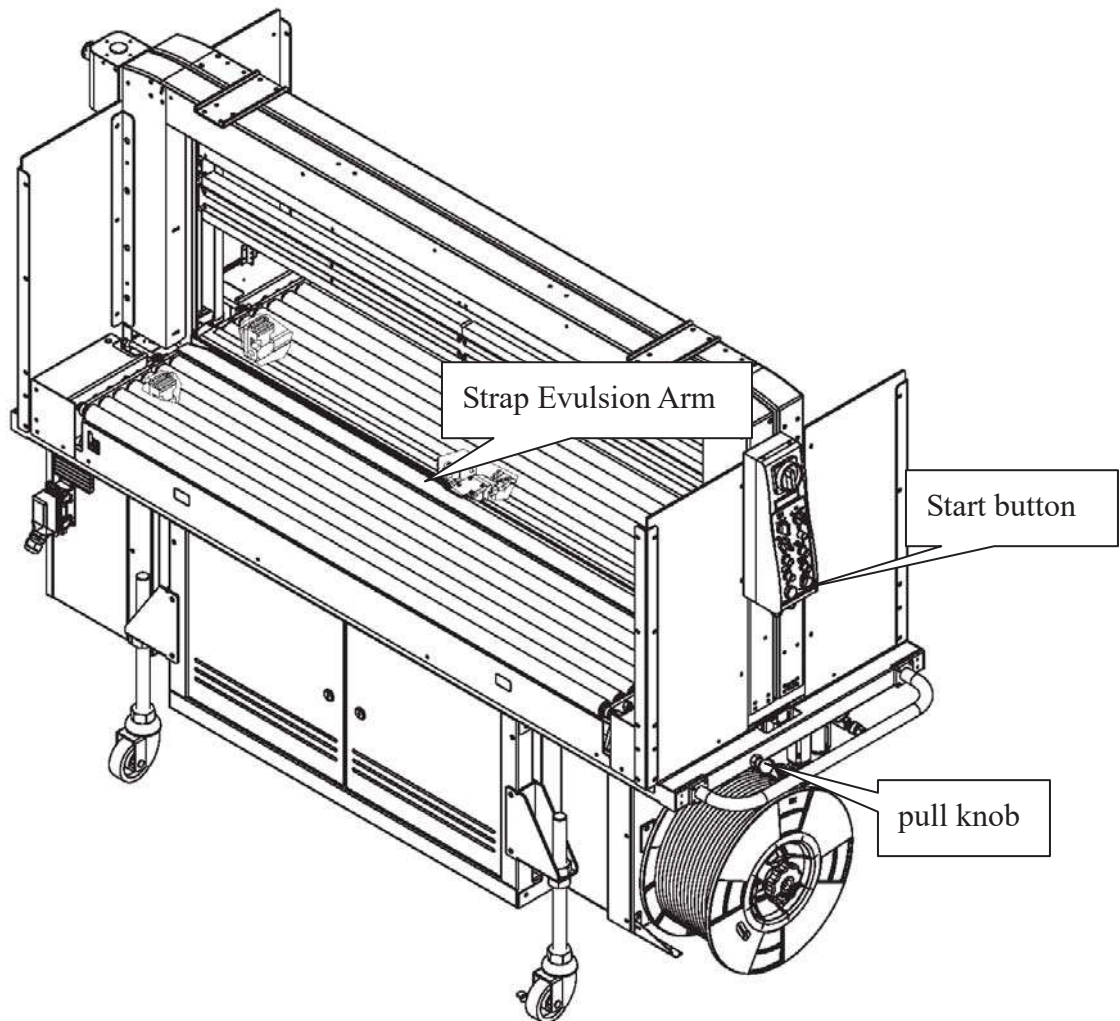
b-2. Please use right hand to pull the Pull Knob at right side of machine (shown as drawing).

b-3. By doing Step #b-2, Strap Evulsion Arm could raise strap remained inside the machine.

b-4. Please use left hand to take and hold tight the risen strap in Step #b-3.

b-5. Please press Start button again for cutting strap.

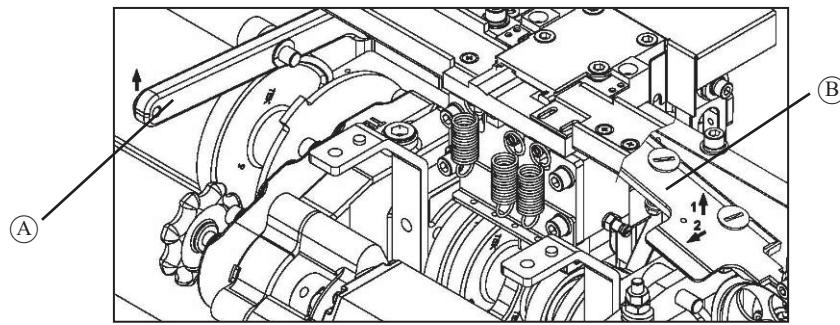
b-6. Strap cutting will be finished. After that, machine will go back to home position and waiting for next strapping cycle.



Note:

Do not pull the knob when Strap Track is close.

If this does not solve the problem, please take out the jammed strap by following steps:



- b-7. Open Upper Table Front Ass'y M7-5-210020.
- b-8. Lift the Lever ① (M7-2-101400/M7-2-101410) with left hand and take out the Cover ② (M7-1-311220) for the Upper Guide with right hand at the same time.
- b-9. Take out the jammed strap and cut it.
- b-10. 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 the short feed problem still cannot be solved, the following causes have to be checked as well:

Fault	Cause	Remedy
short feed	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

c. Other malfunctions:

Fault	Cause	Remedy
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
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 transportation 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

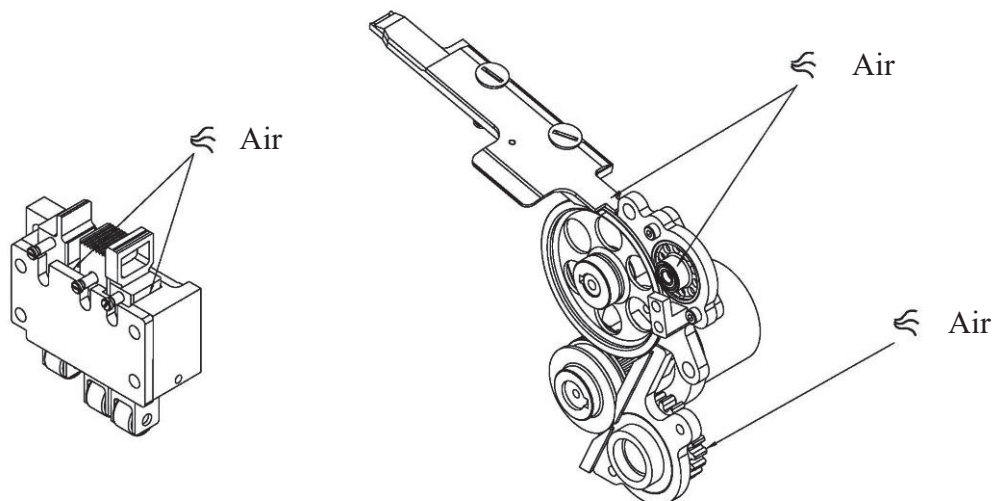
Only use original spare parts supplied by manufacturer.

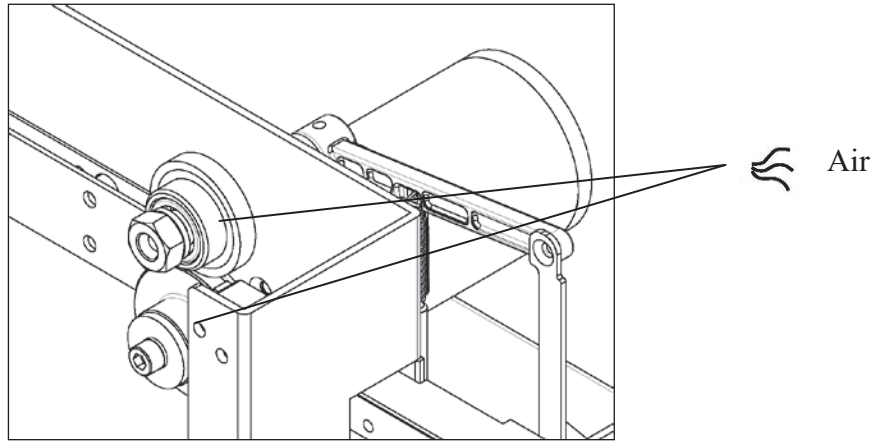


Daily:

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

Remove plastic residue in the machine.



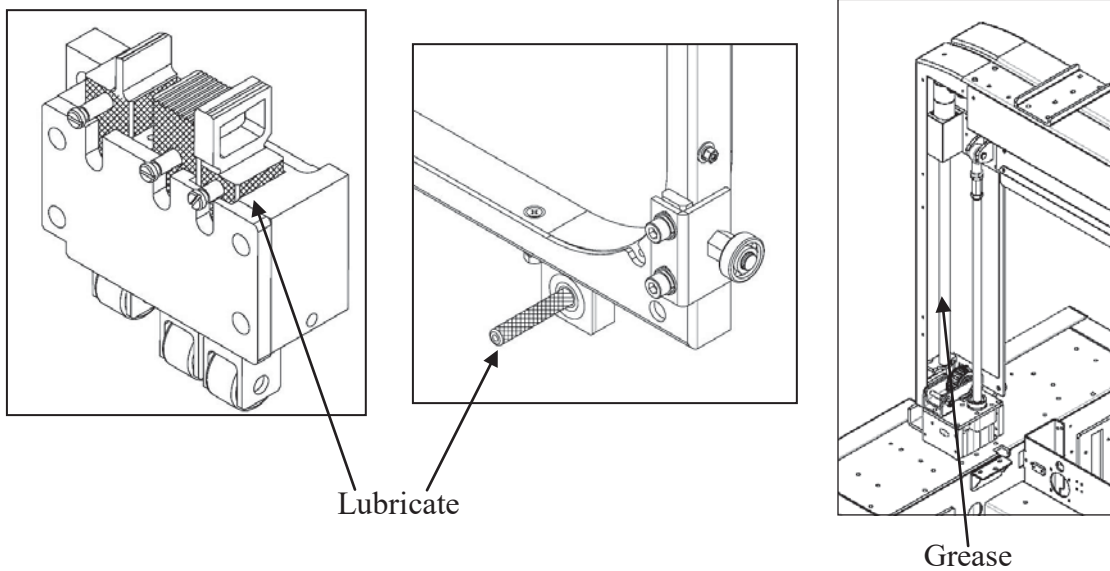


Weekly:

Lubricate front bar, press bar, 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.



Check the machine by strapping several bundles for any failures.

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 Front Bar, Press Bar, and Rear Bar for moving upward and downward neatly. The Slide Table and Strap Track Frame should be able to go back to its home position by the force of spring as well.

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.

Please replace the T7-6-13110 Filter of electric control box.

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.

3. Cleaning / Replacing Heater

Cleaning

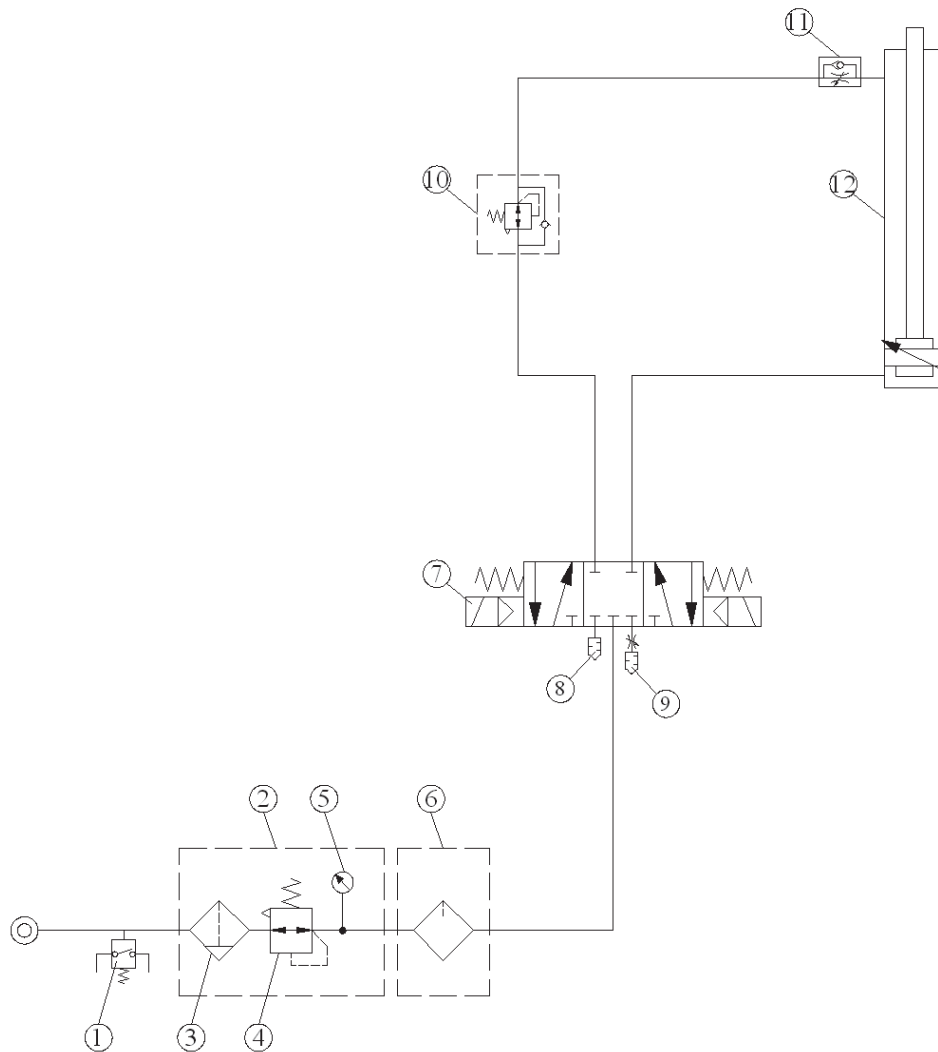
1. Turn off the power and open the Table Roller Group (Front) (M7-7-100820) and Table Roller Group (Rear) (M7-7-200410).
2. Make sure that the heater cools down already and the temperature is not too hot to let you get hurt.
3. Remove the screw (HBS0540HN) of Heater Crank (M7-1-141100).
4. Remove the Return Spring (T7-1-64130) of the Heater Crank (M7-1-141100).
5. Remove the Heater Crank (M7-1-141100) by pushing it backward.
6. Clean both upper side and down side of the Heater carefully with fine sander paper.
7. Re-installation the heater back to the machine in reverse sequence.

Replacing

1. Same sequence as step 1-6 mentioned above.
2. Turn over the Heater Bracket (M7-1-141300) so that you can loosen the nuts of the heater.
3. After you loosen the nuts, turn the Heater Bracket back to its original position.
4. Take out the Heater Ass'y and make sure the insulations stay intact. If any of insulation fall and get broken, please replace with new one to avoid welding problem.
5. Install the new Heater Ass'y in reverse sequence.
6. Rotate the M1 Handle (T7-1-11240) forward till the Heater Ass'y goes to welding position.
7. Make sure the clearance between Heater Ass'y and Slide Table (M7-1-131600) is about 1.8 - 2.2mm.
8. If the clearance is too big, adjust it by turning HBS0530N clockwise. If the clearance is too small, adjust it by turning HBS0530N counterclockwise.

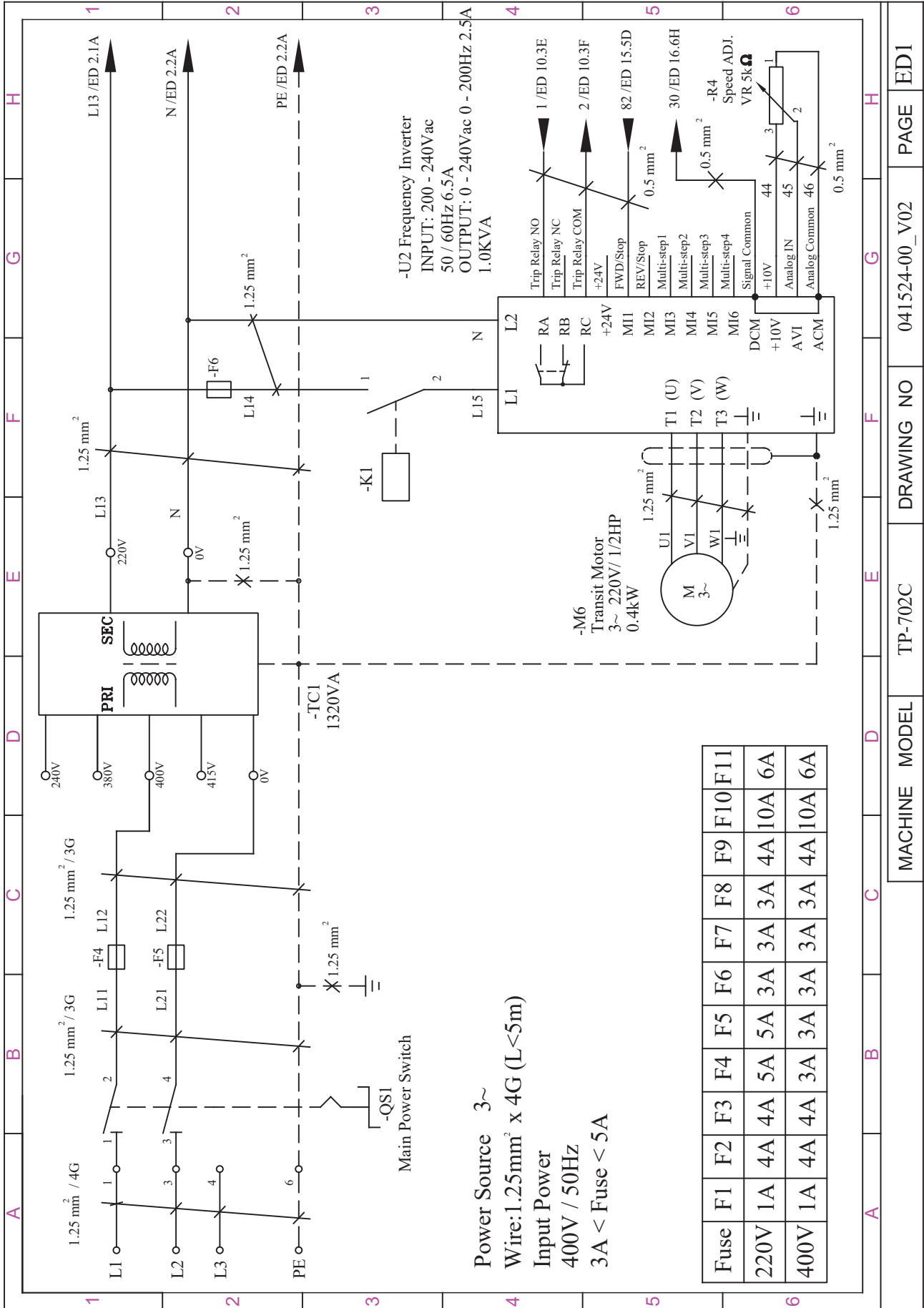
PART II

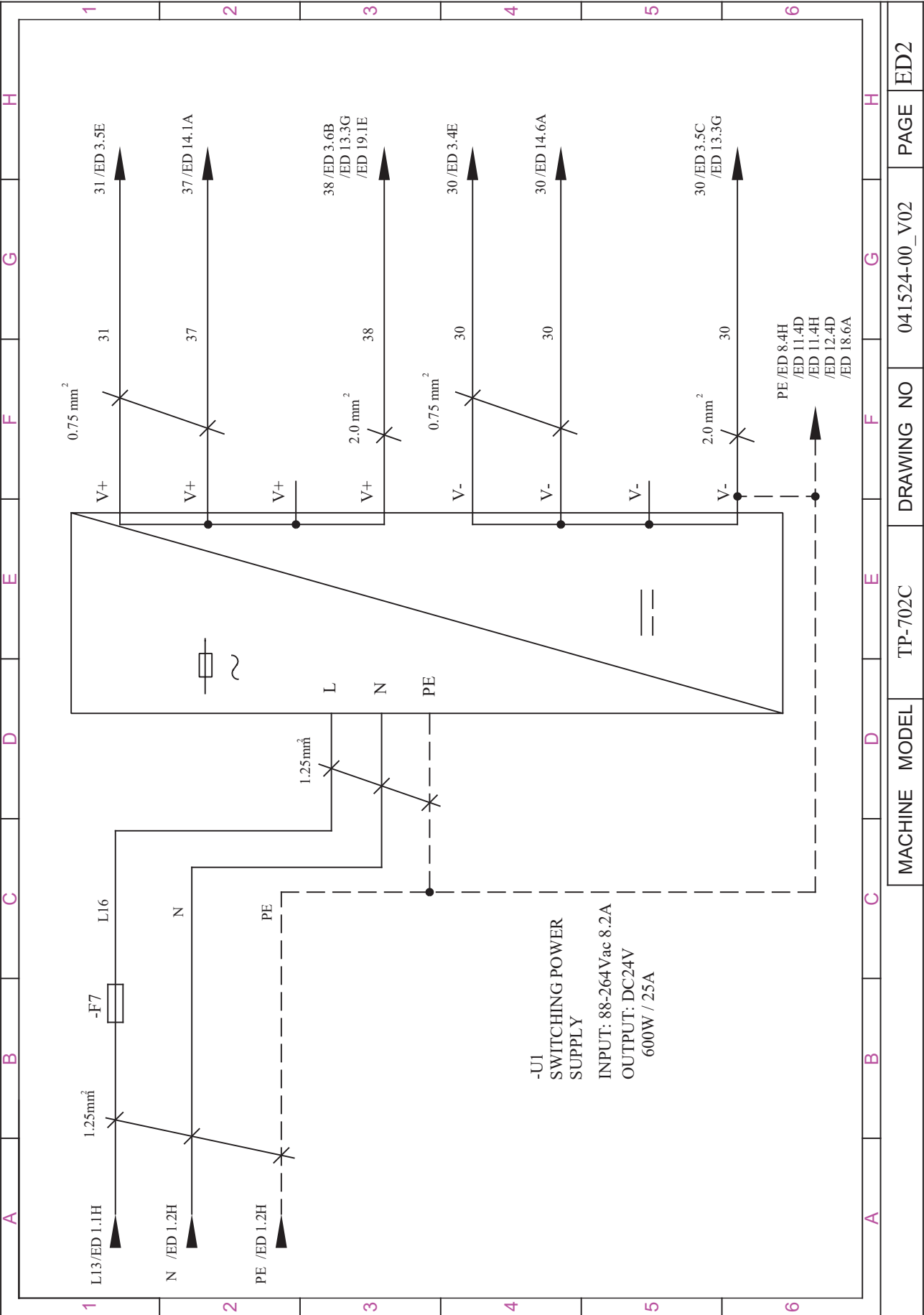
1. Pneumatic System Diagram

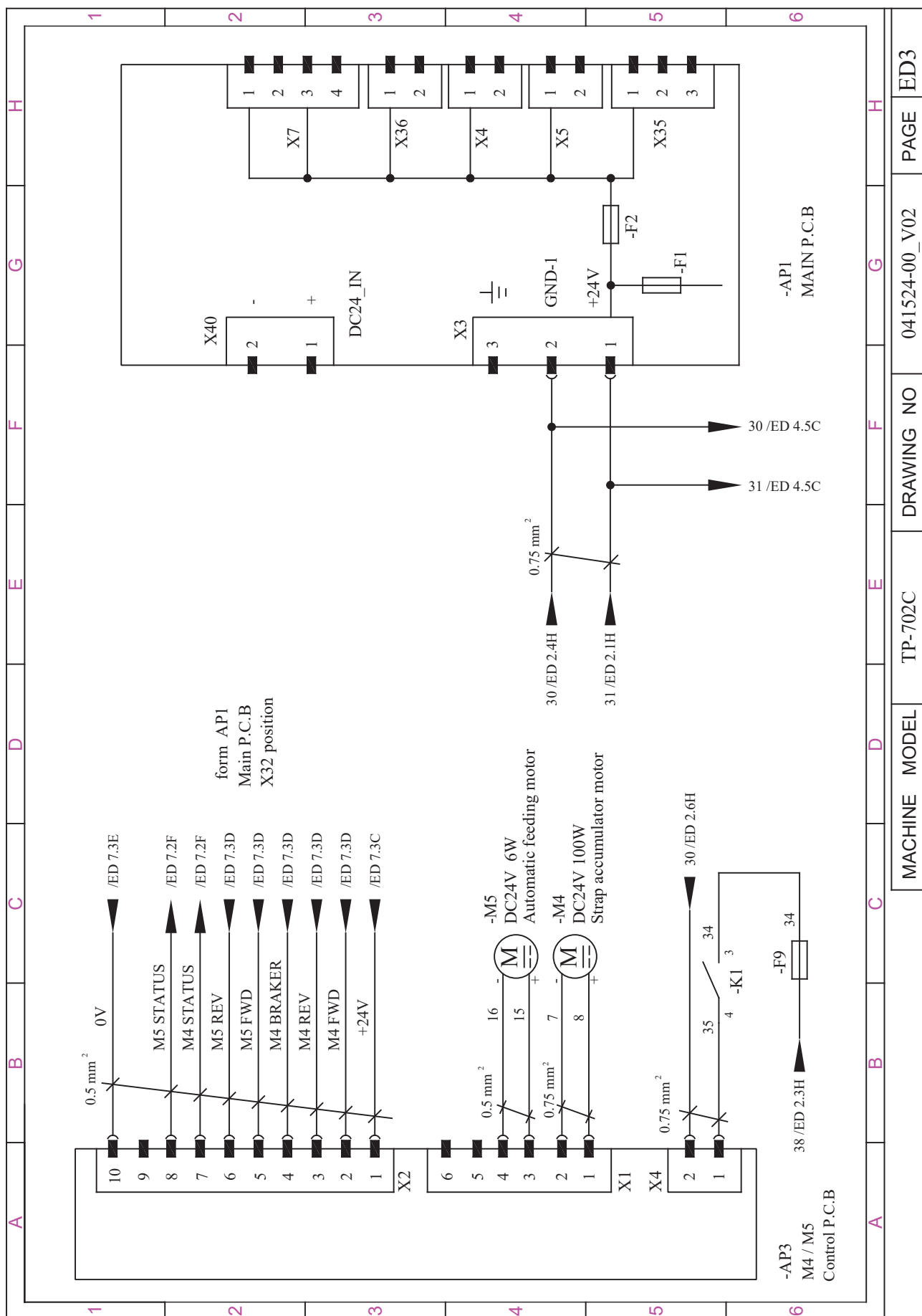


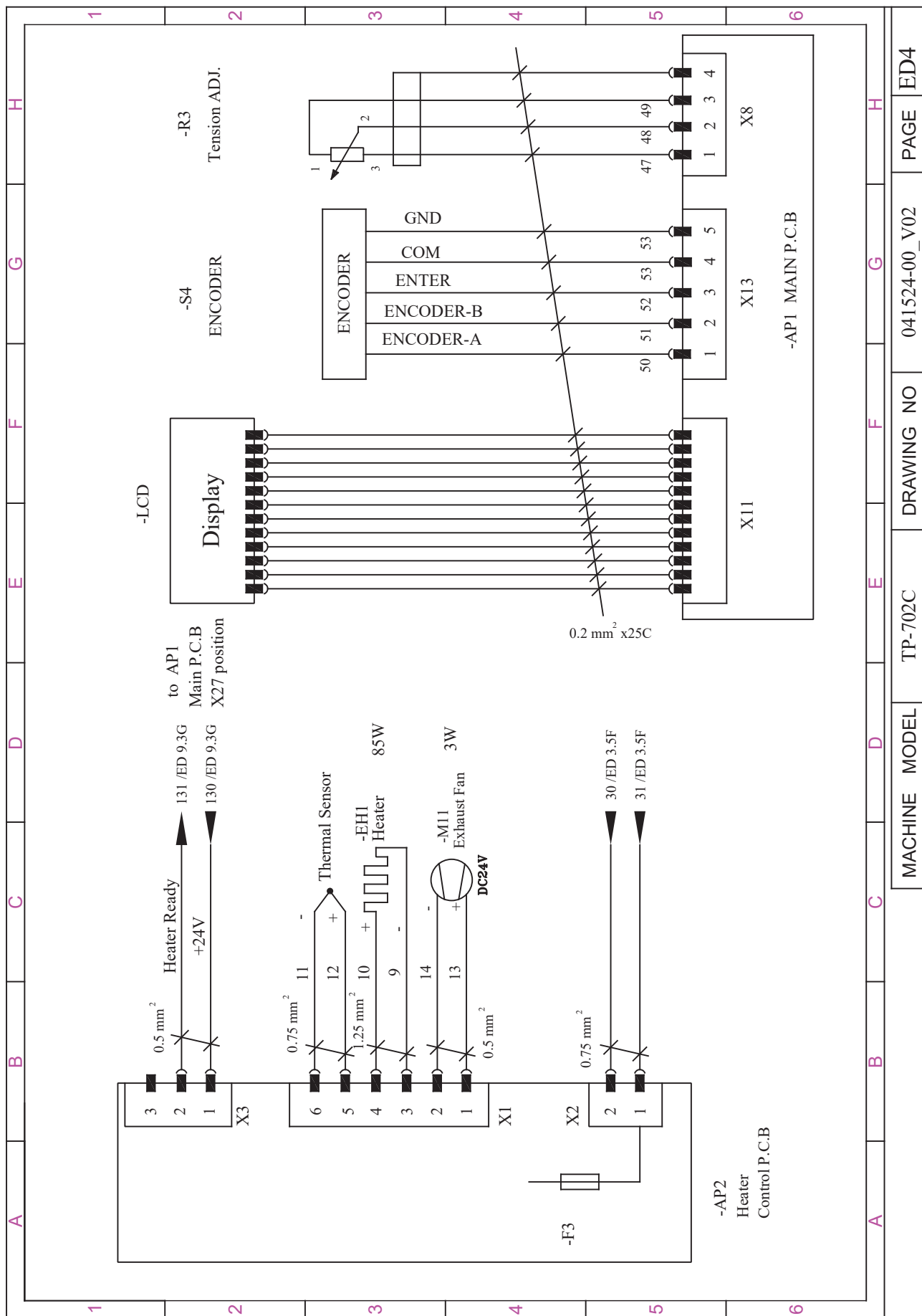
REF. NO.	DESCRIPTION	Q'TY
1	Pressure Switch	1
2	Filter / Regulator Combination	1
3	Filter	1
4	Regulator	1
5	Pressure Gauge	2
6	Lubricator	1
7	Solenoid Valve (5/3)	1
8	Silencer	2
9	Control Valve	1
10	Regulator Combination	1
11	Solenoid Valve	1
12	Cylinder	2

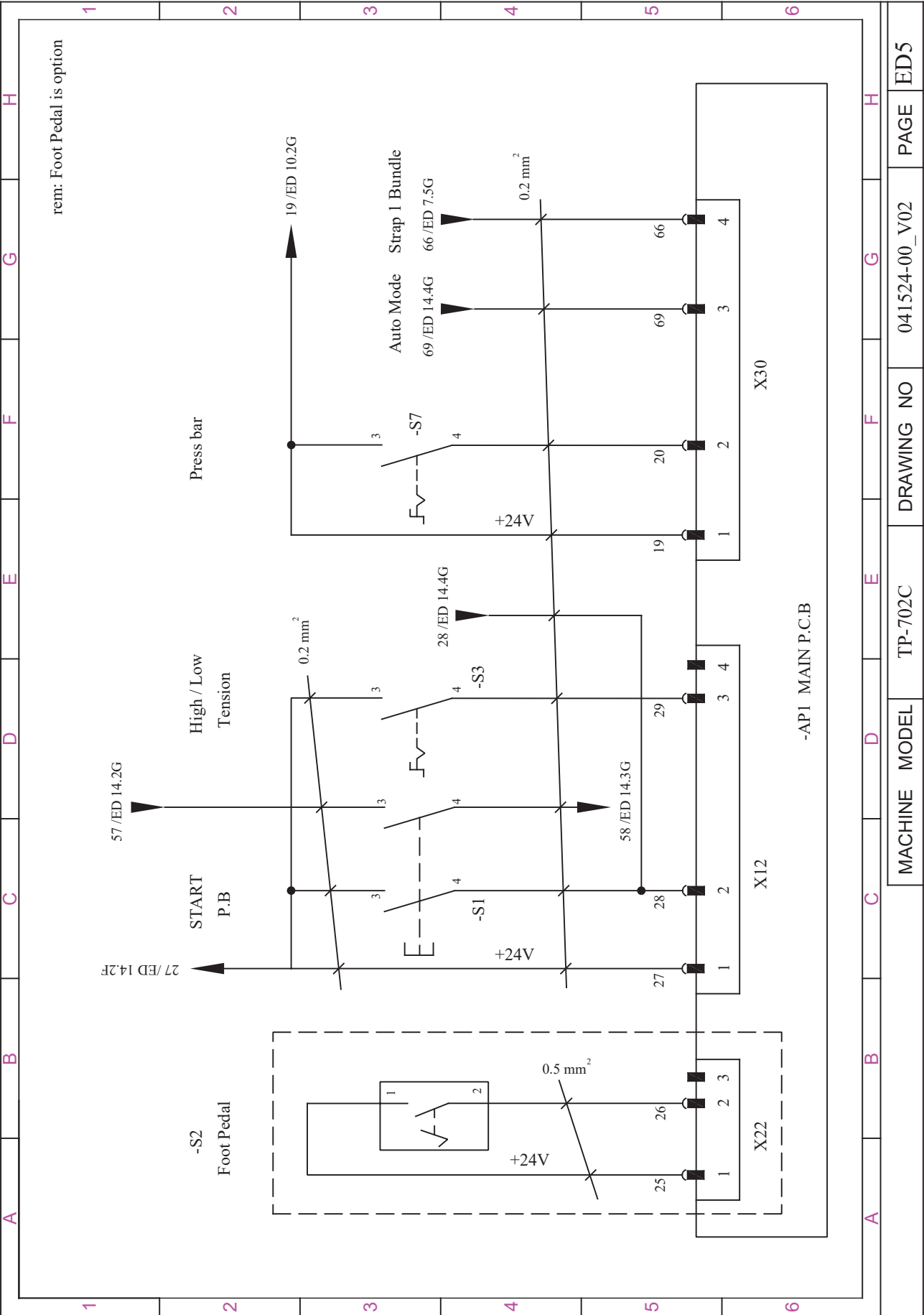
2. Wiring Diagram

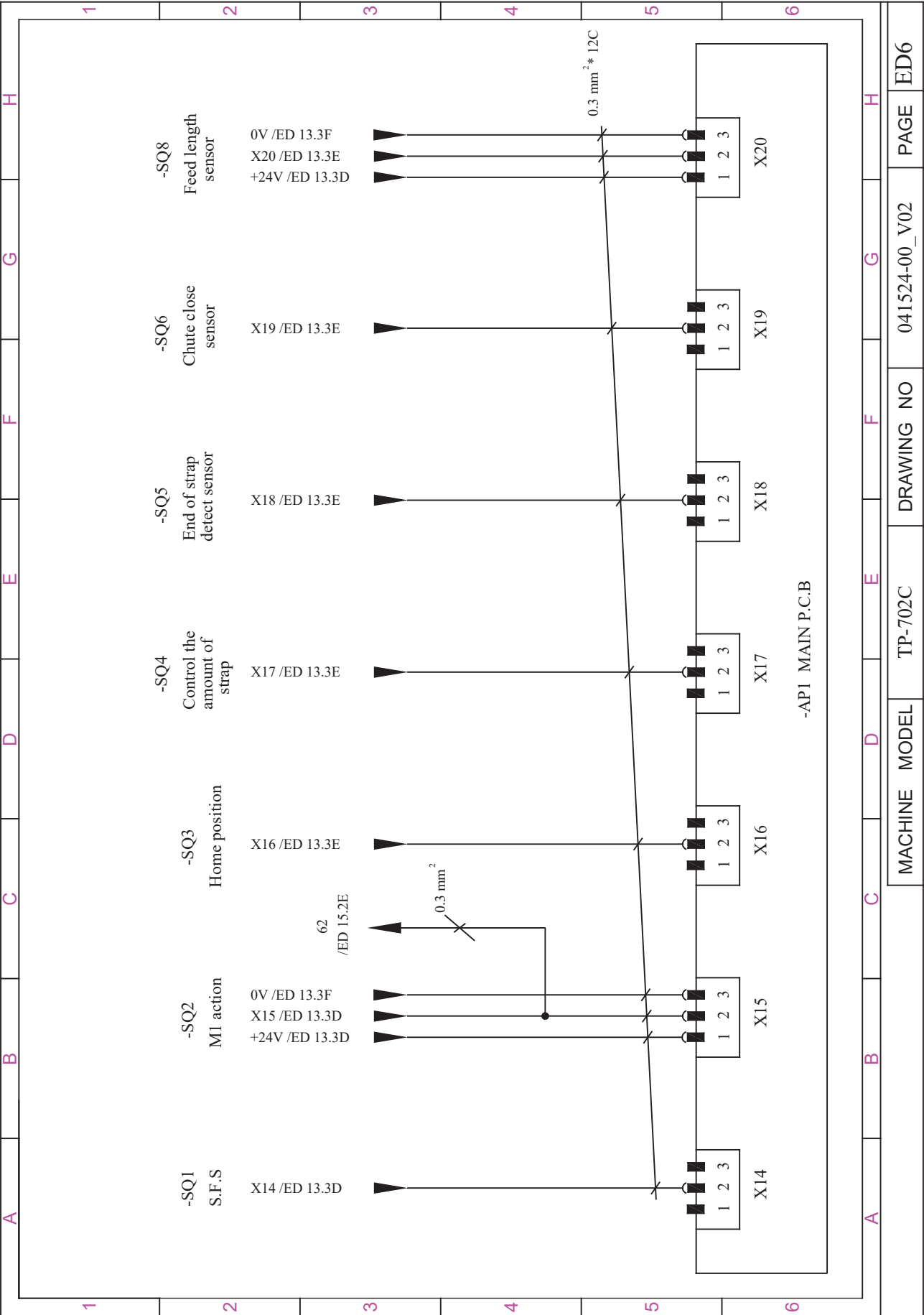


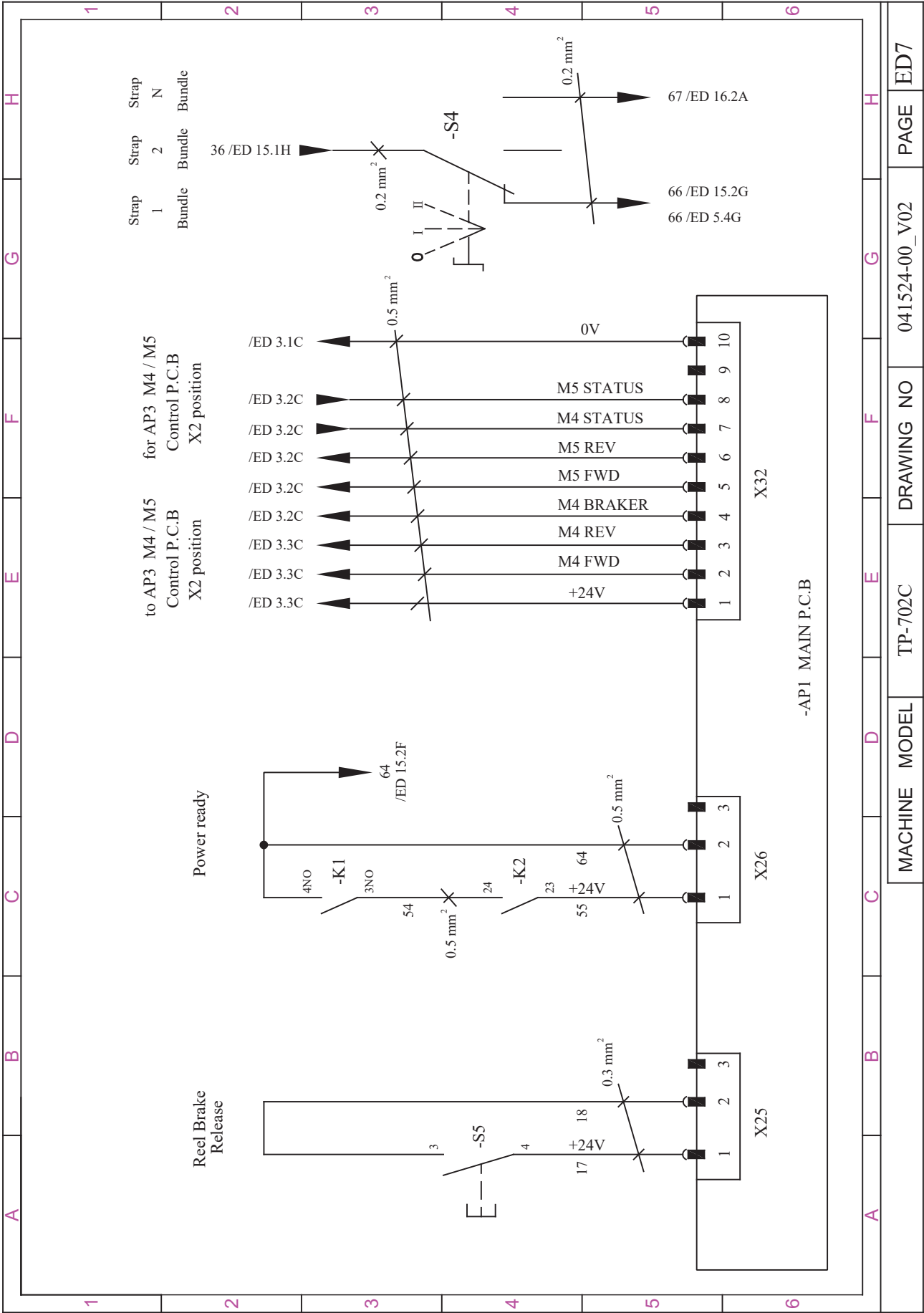


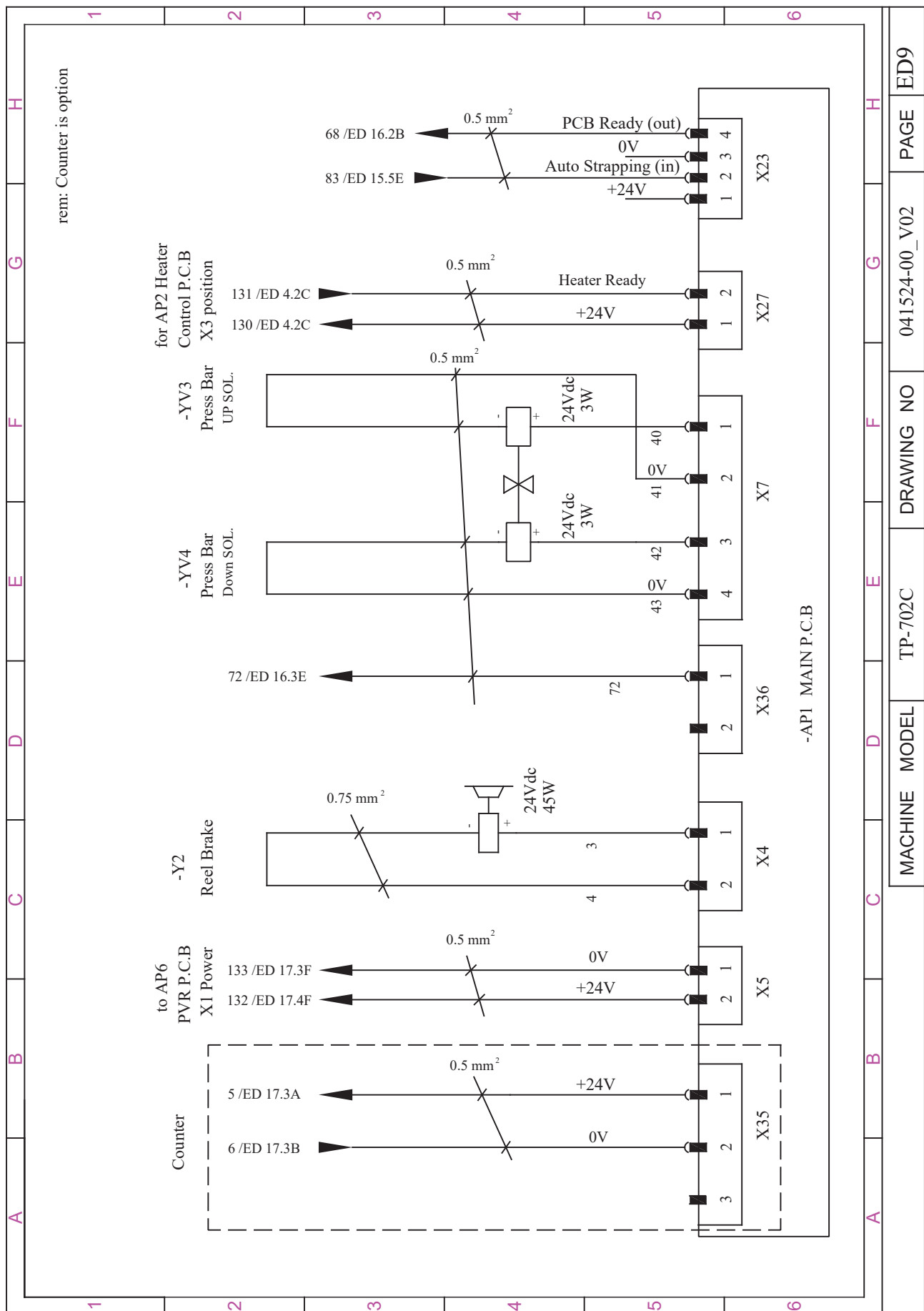


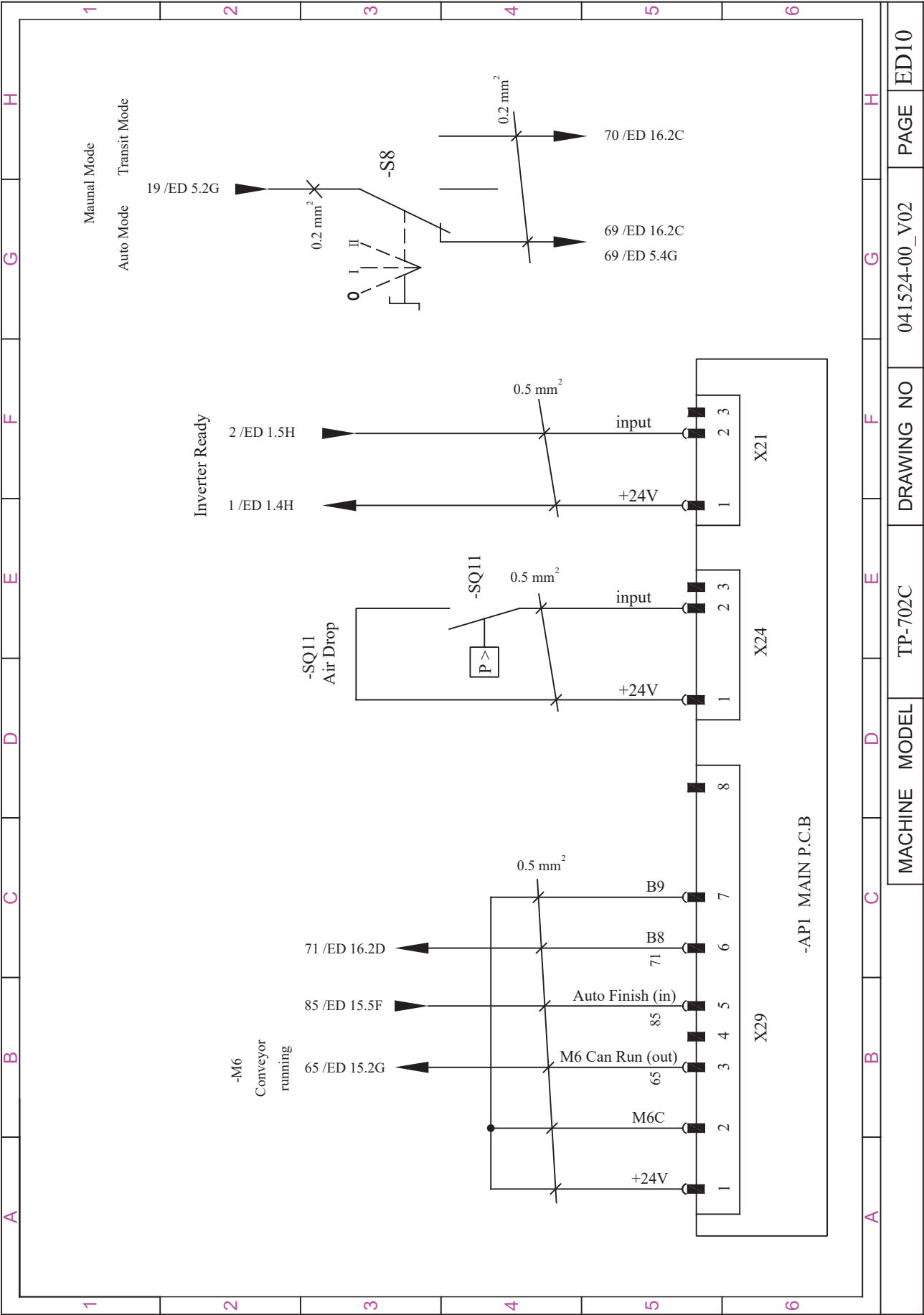


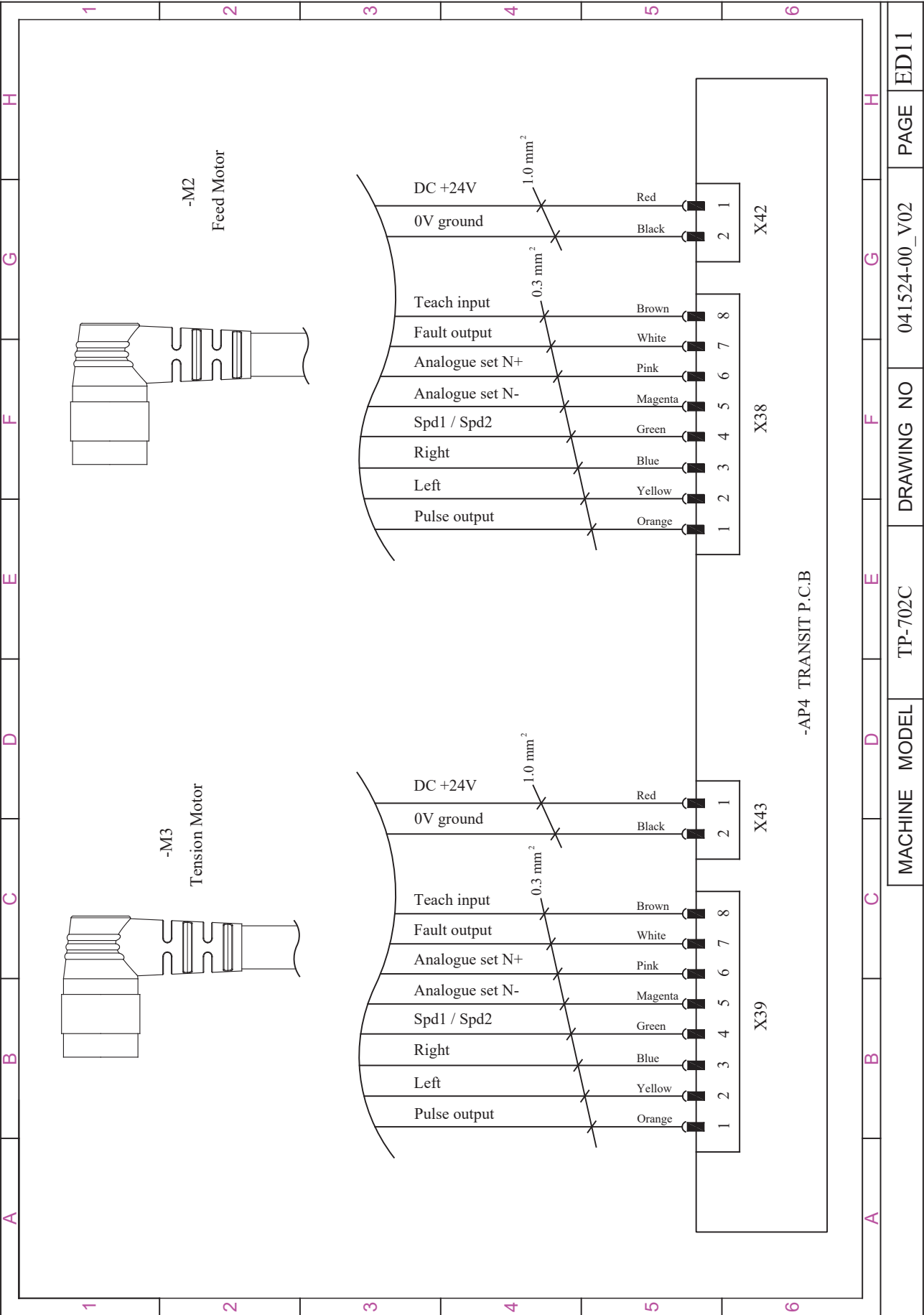


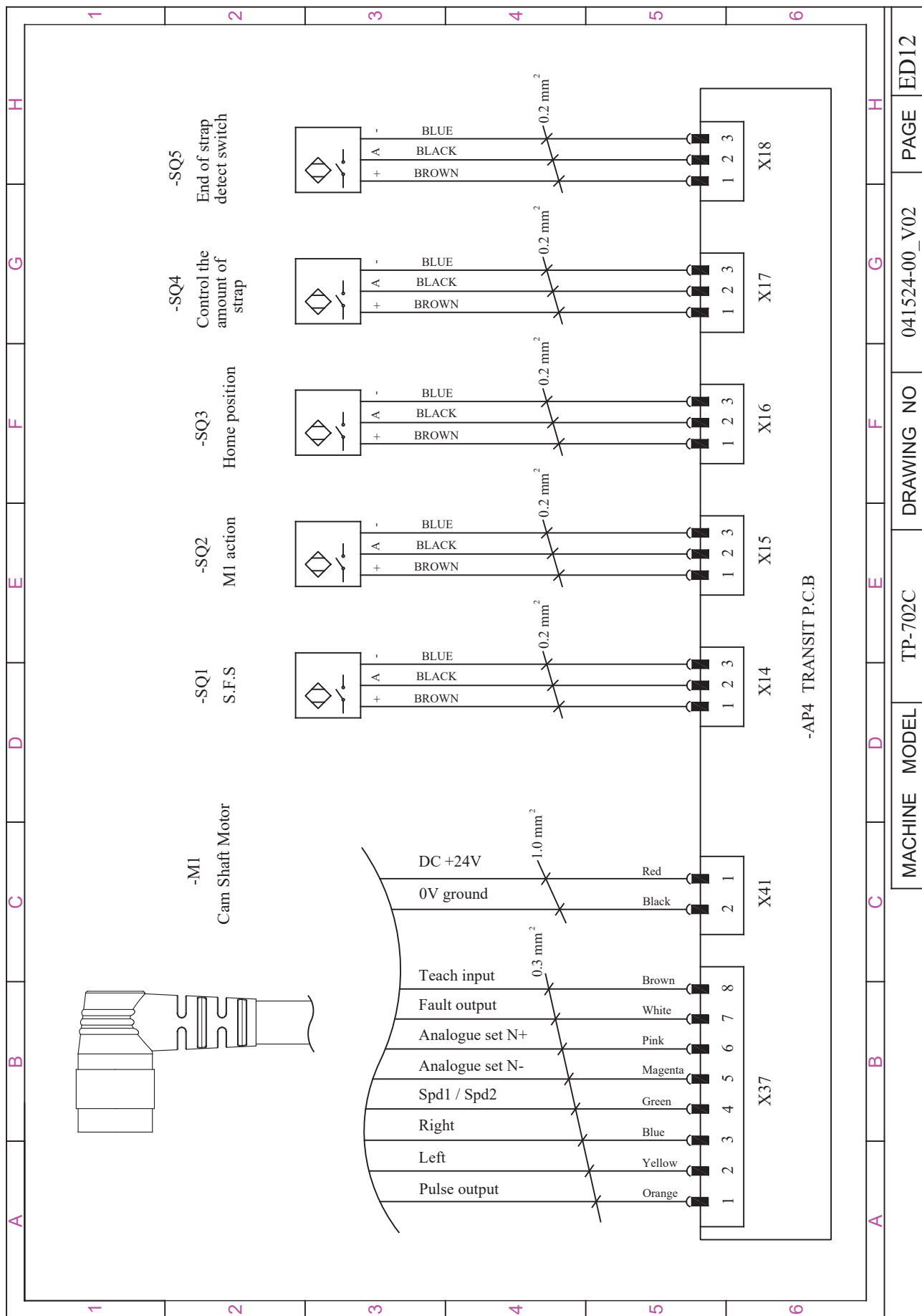


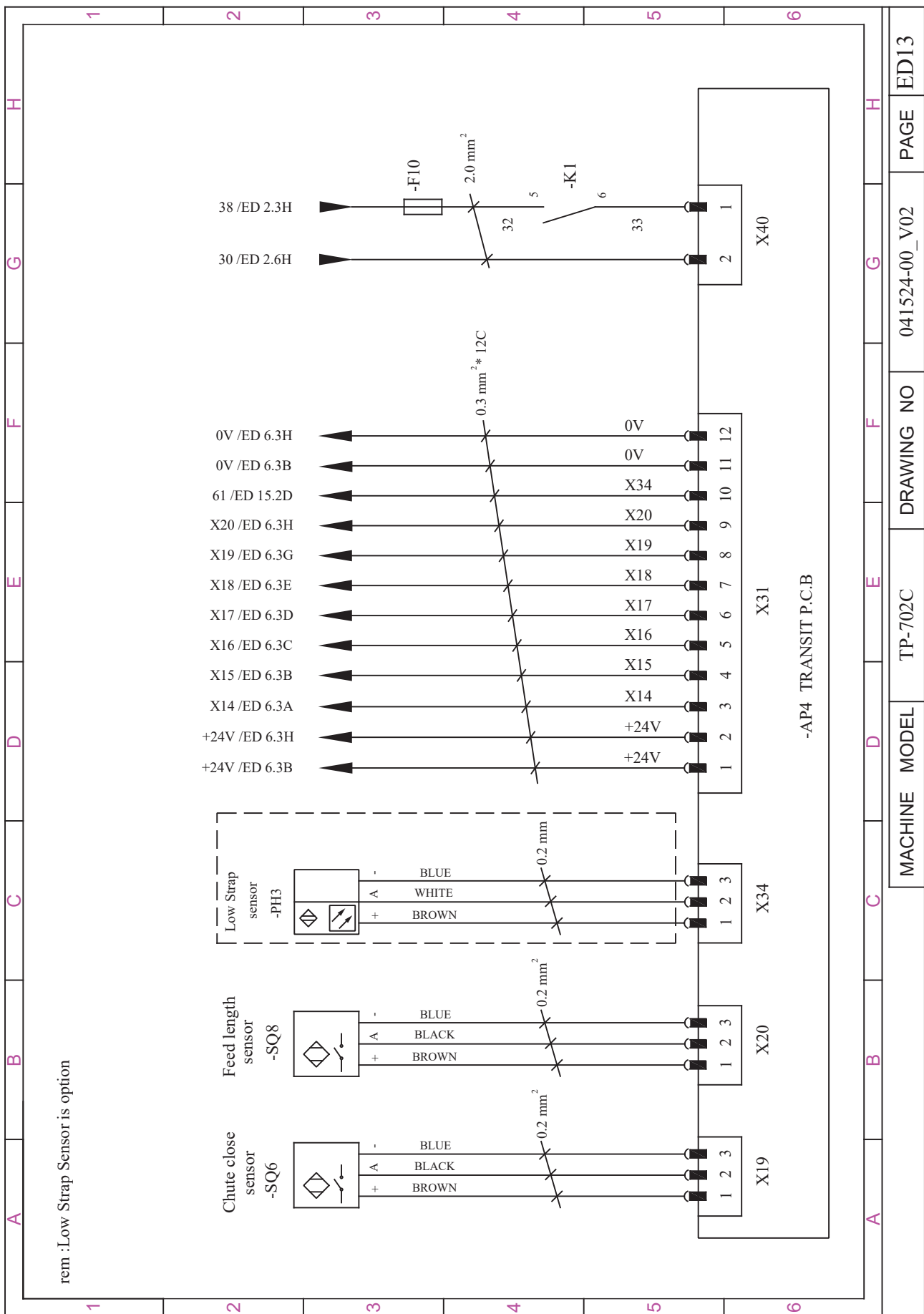


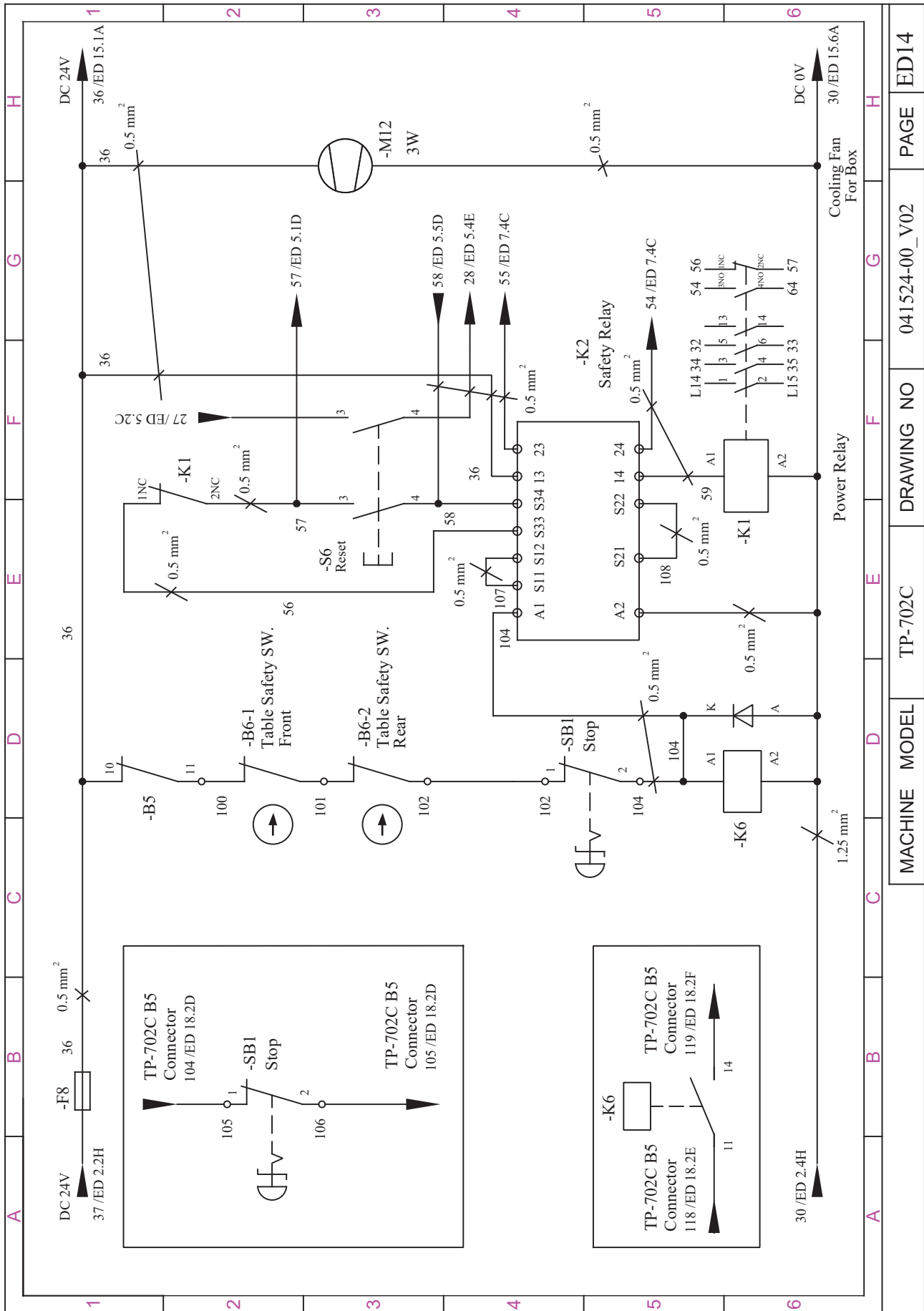


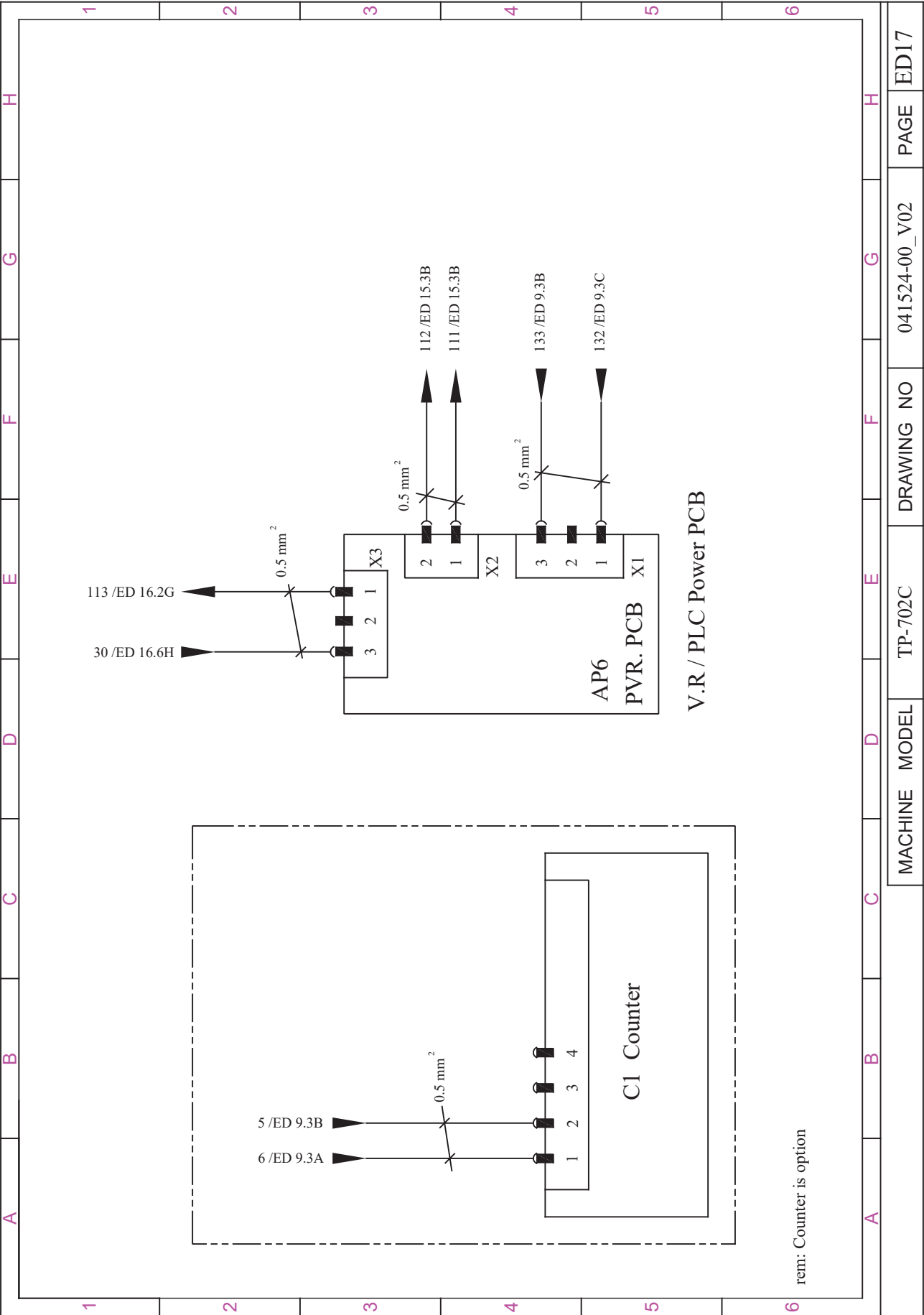


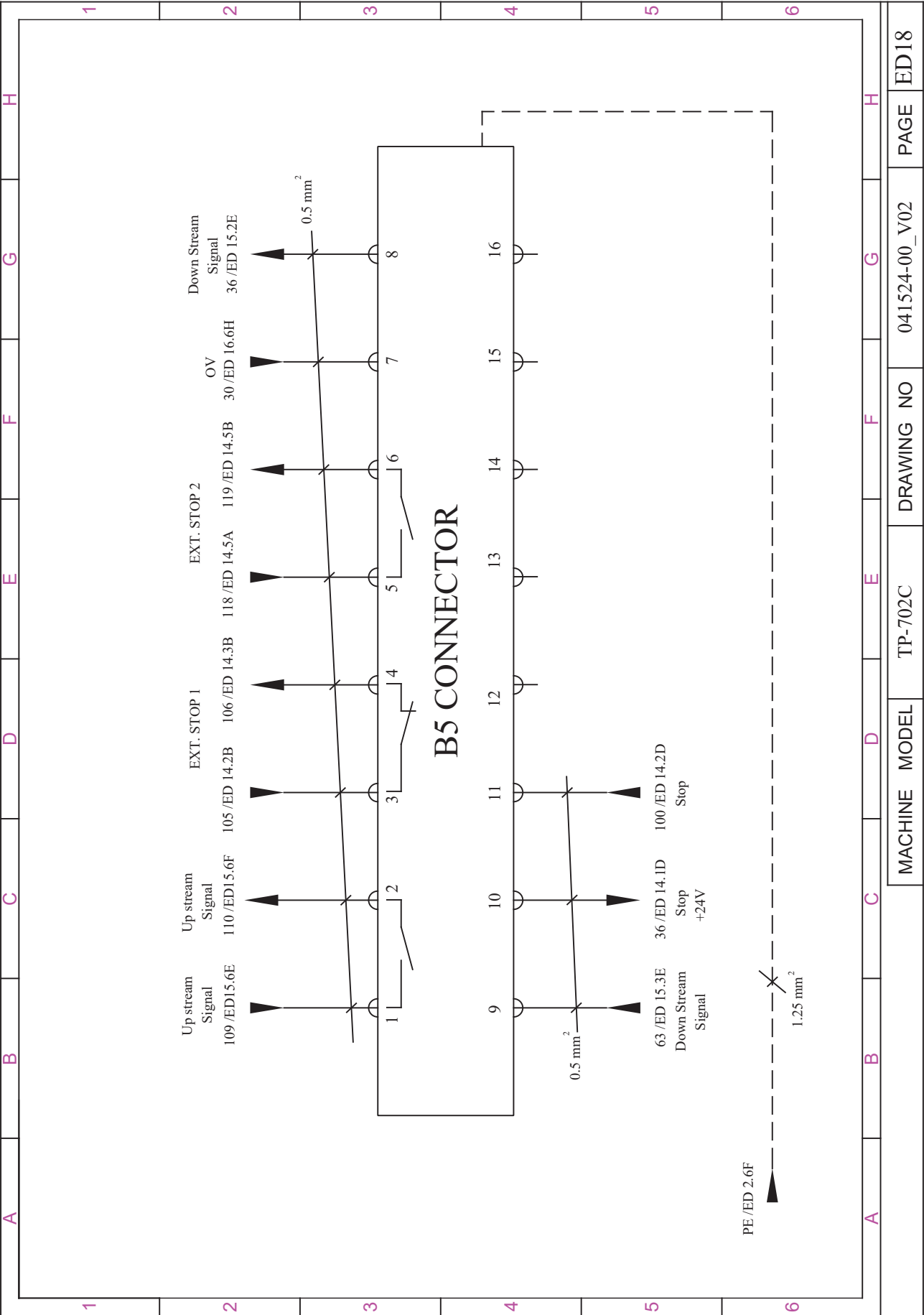


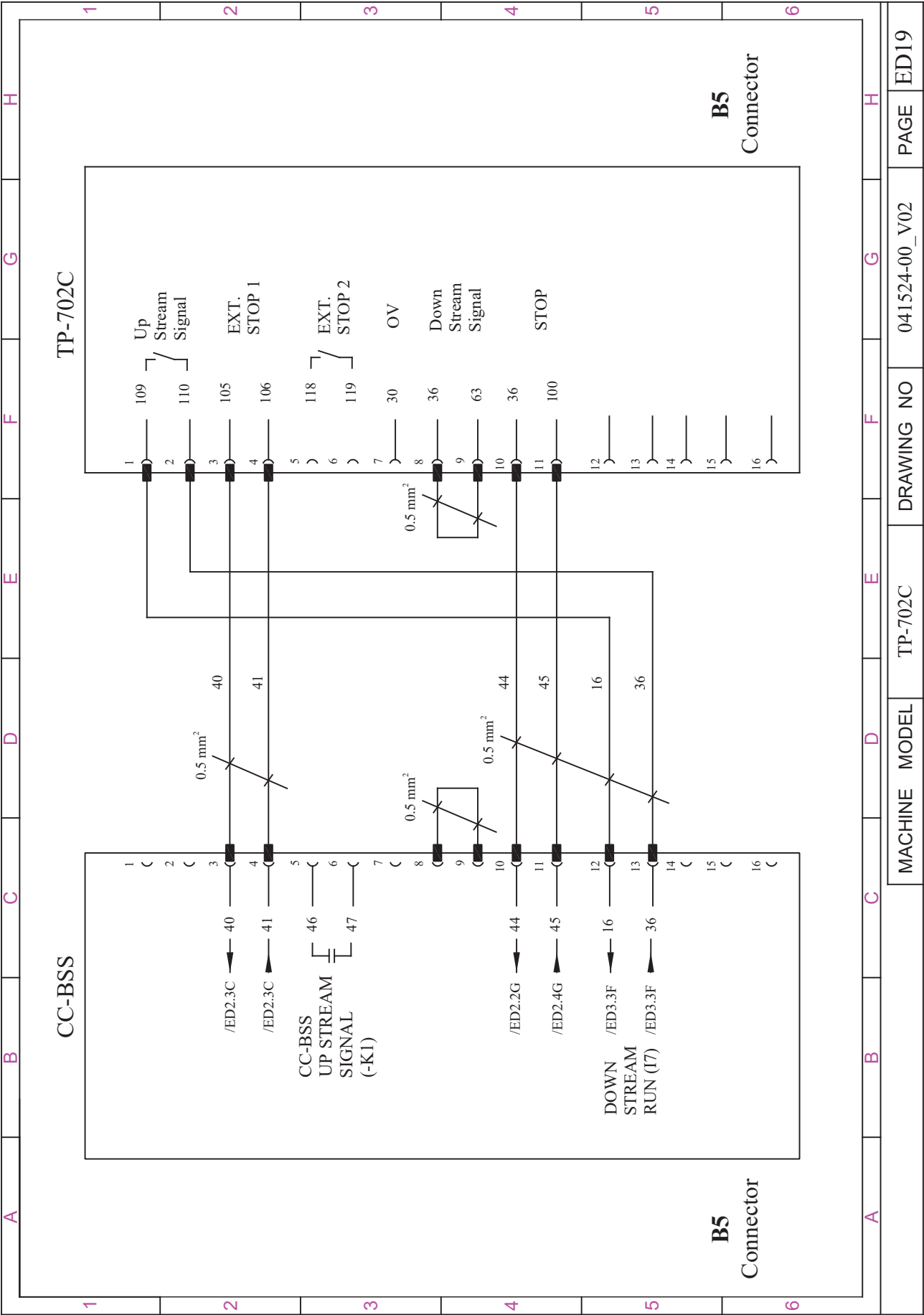


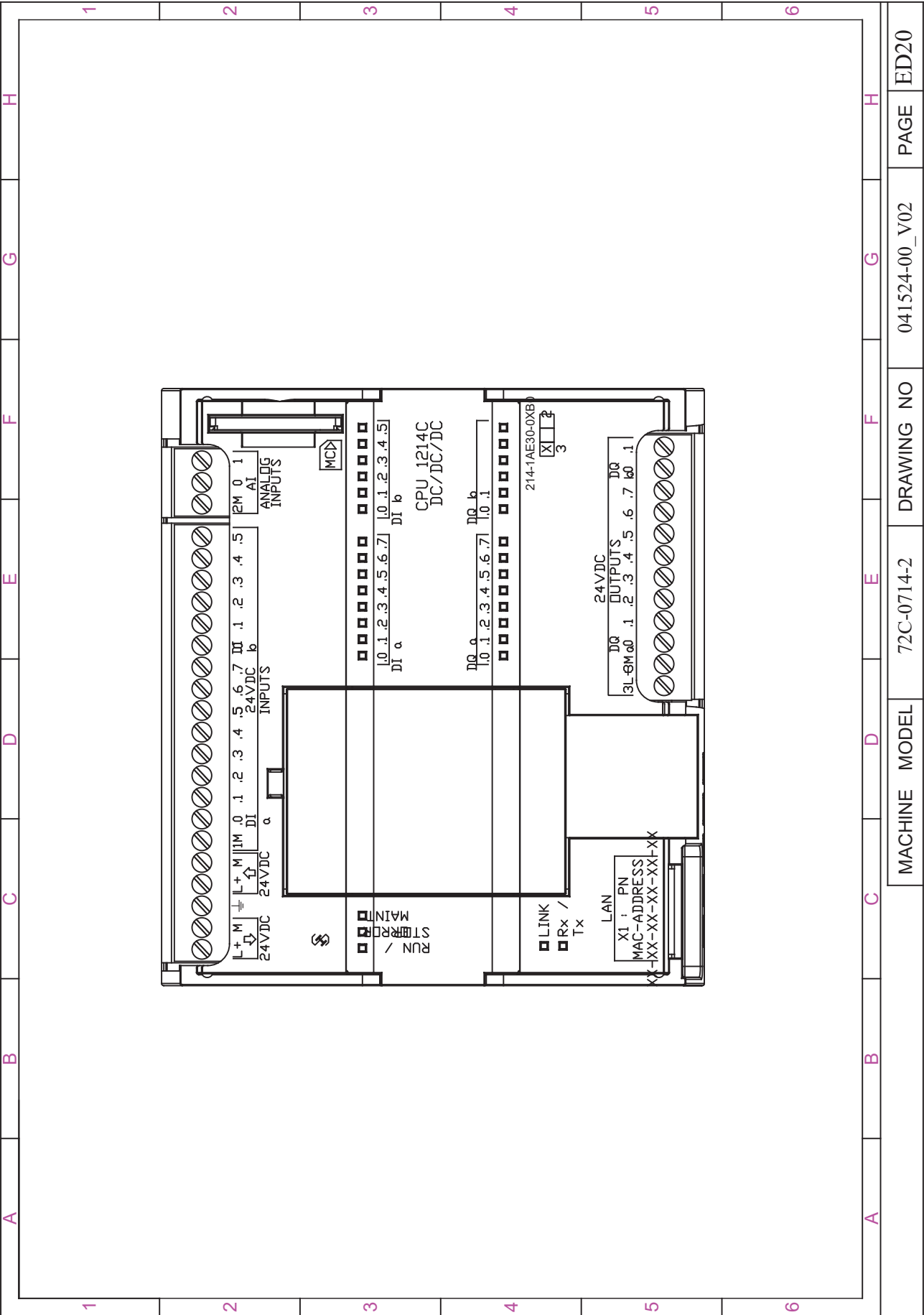


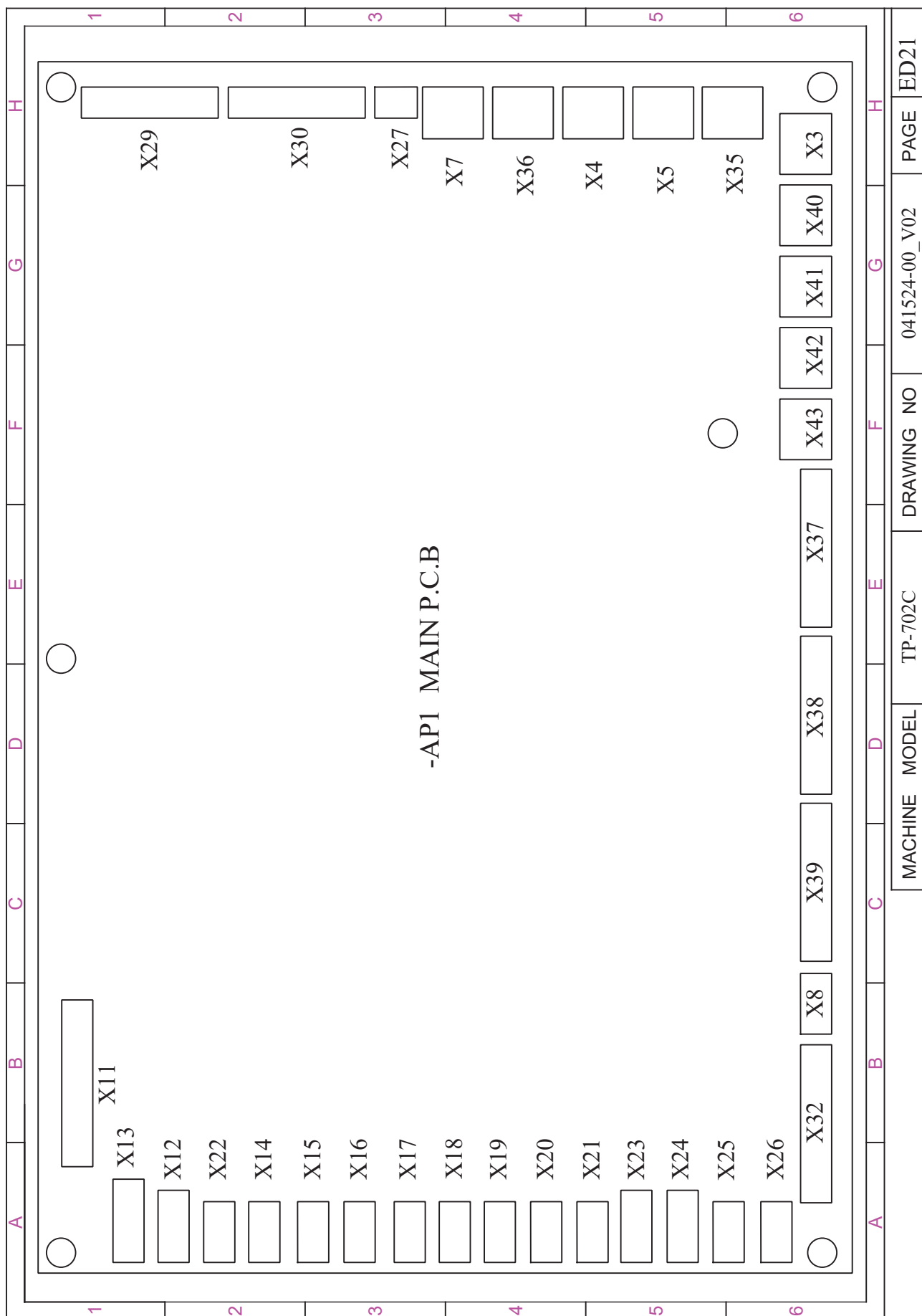


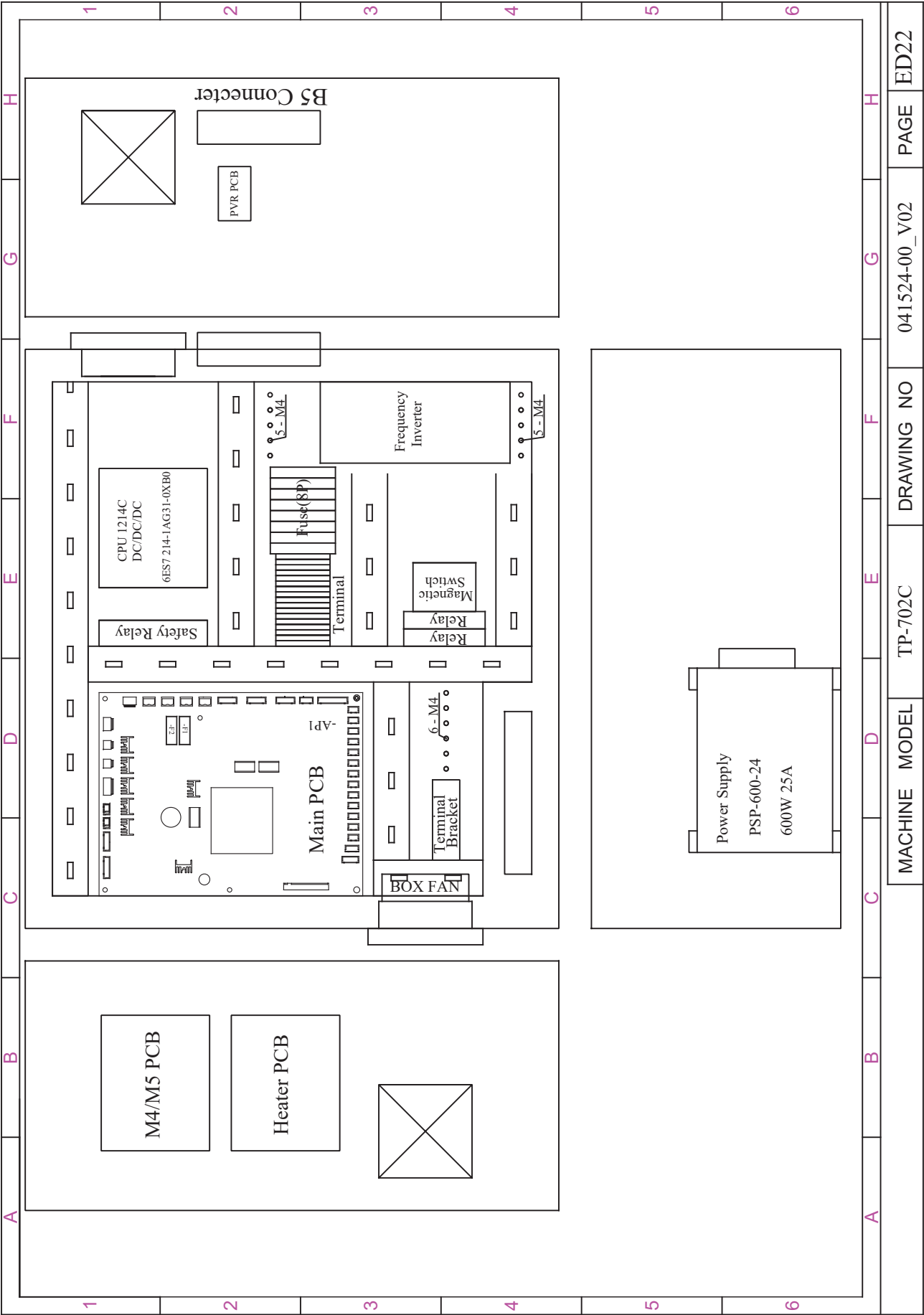












3. Inverter Parameters Setup

Parameter	factory setting	Parameter	factory setting
00-03	1	06-00	400
00-13	60	06-06	1
01-07	100	06-07	30
01-08	25	07-00	2.1
01-09	0.1	07-01	1.8
01-10	0.2	07-02	10.0
02-00	1	08-00	20
02-01	2	08-02	0.3
02-02	2	08-04	2
02-05	1	08-15	2
03-00	22	08-18	2
04-12	25		

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 \$ 8x \$ 12~ \$ 16x0.8~1.2t \$ 6x \$ 13~ \$ 14x0.8~1.2t
	NTE		PWB \$ 8x \$ 14~ \$ 16x1.2~1.5t \$ 6x \$ 15~ \$ 16x1.2~1.5t
	PN		PWC \$ 8x \$ 20~ \$ 23x2.0t \$ 6x \$ 16~ \$ 19x2.0t
	PW		PWD
	SW		DS
	TW		TTP
	BWW		FTP

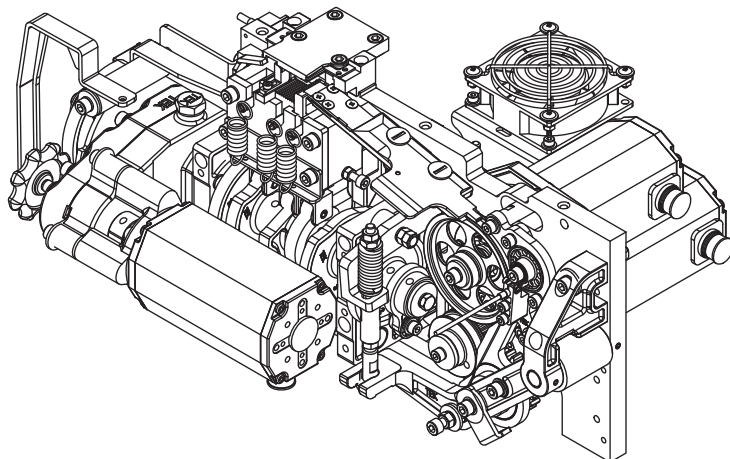
PART III

1

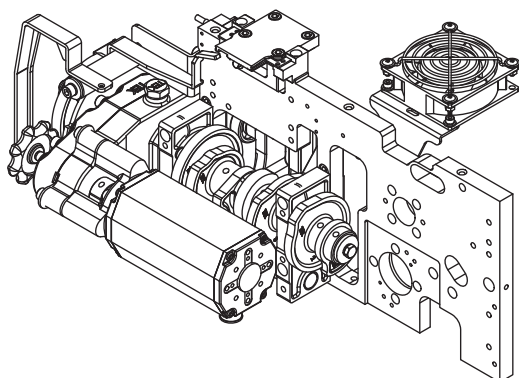
STRAPPING HEAD UNIT

M7-1-900500

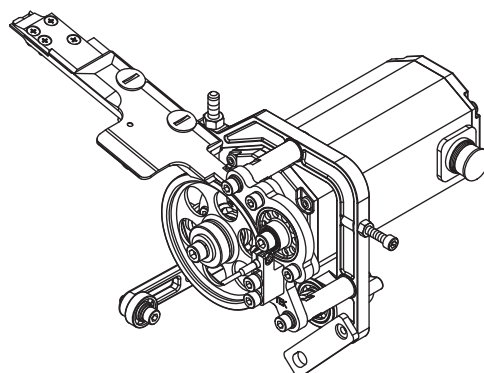
M7-1-900510



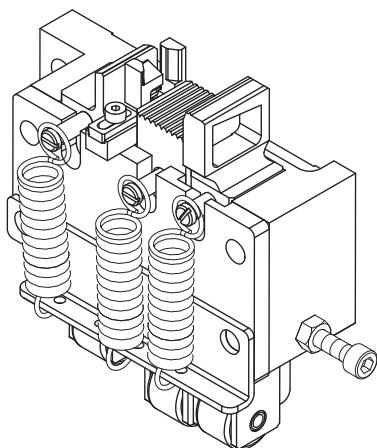
1



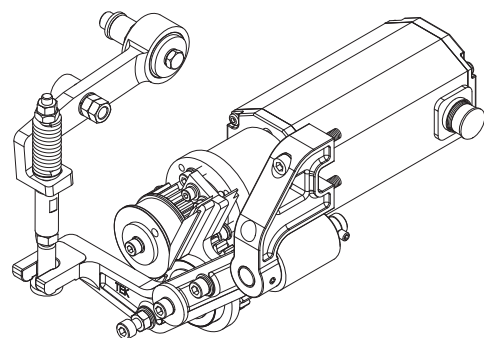
3



2



4



1**STRAPPING HEAD UNIT****M7-1-900500****M7-1-900510**

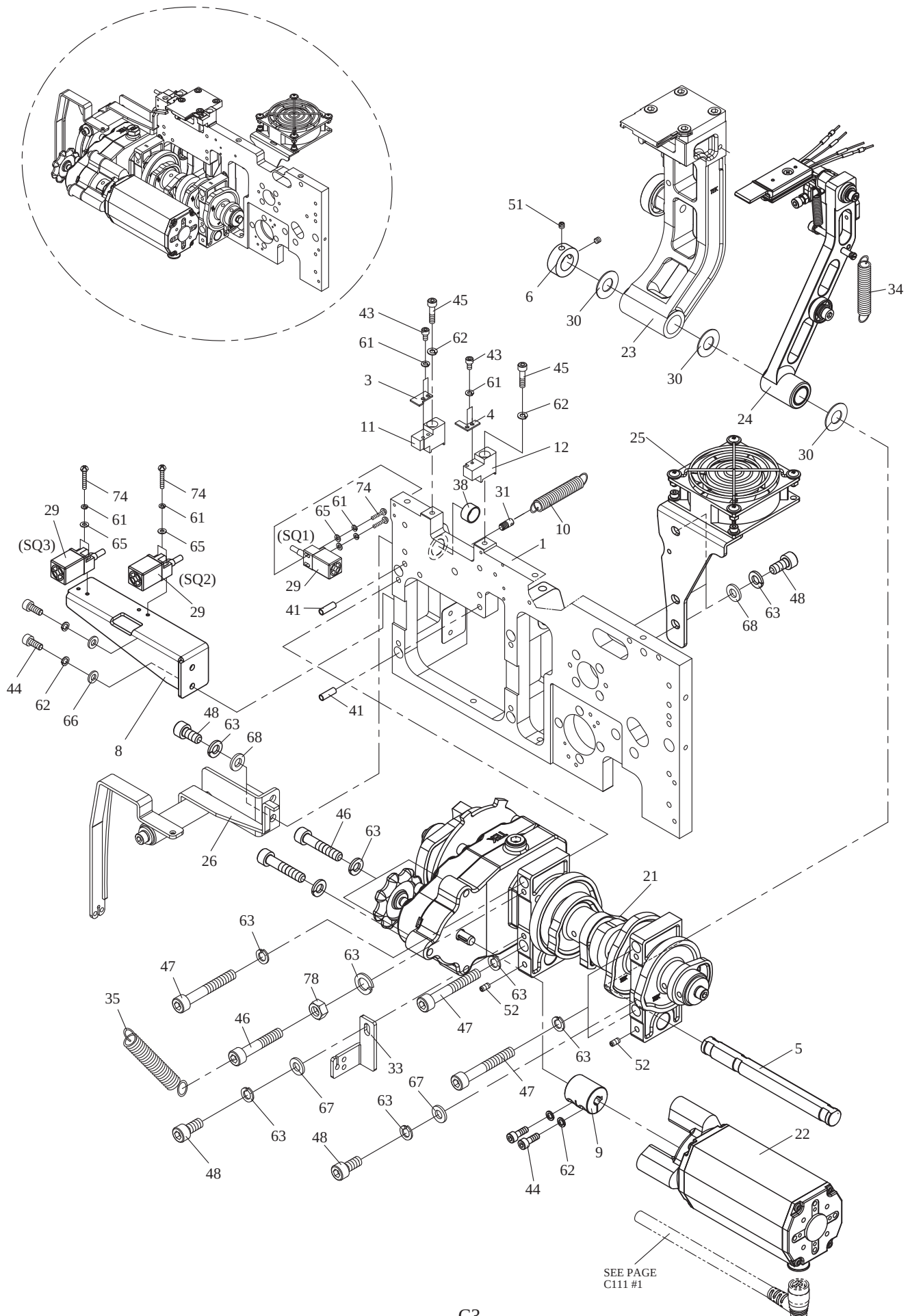
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	M7-1-900500	Strapping Head Unit (For 5-6mm)	1	
	M7-1-900510	Strapping Head Unit (For 9mm)	1	
1	M7-1-100500	Cam Group (For 5-6mm)	1	SEE PAGE C3
	M7-1-100510	Cam Group (For 9mm)	1	
2	M7-1-200000	Bar Guide Group	1	SEE PAGE C19
3	M7-1-300002	Feed Group (For 5-6mm)	1	SEE PAGE C27
	M7-1-300012	Feed Group (For 9mm)	1	
4	M7-1-400002	Tension Group (For 5-6mm)	1	SEE PAGE C37
	M7-1-400012	Tension Group (For 9mm)	1	

1-1

CAM GROUP

M7-1-100500

M7-1-100510



1-1

CAM GROUP

M7-1-100500

M7-1-100510

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-1-100500	Cam Group (For 5-6mm)	1	
	M7-1-100510	Cam Group (For 9mm)	1	
	M7-1-101111	Strapping Head Frame	1	
3	M7-1-101320	Ejector Plate (L)	1	
4	M7-1-101420	Ejector Plate (R)	1	
5	M7-1-101500	Shaft	1	
6	M7-1-101600	Collar	1	
8	M7-1-101800	Sensor Base	1	
9	M7-1-101900	Coupling	1	
10	M7-1-102000	Spring	1	
11	M7-1-101220	Guide (L)	1	
12	M7-1-101230	Guide (R)	1	
21	M7-1-110002	Gear Box and Cam Ass'y (For 5-6mm)	1	
	M7-1-110020	Gear Box and Cam Ass'y (For 9mm)	1	
22	M7-1-120010	M1 Motor Ass'y	1	SEE PAGE C9
23	M7-1-130002	Slide Table Frame Ass'y (For 5-6mm)	1	SEE PAGE C11
	M7-1-130030	Slide Table Frame Ass'y (For 9mm)	1	
24	M7-1-140030	Heater Arm Ass'y	1	SEE PAGE C13
25	M7-1-150011	Exhaust Fan Ass'y	1	SEE PAGE C15
26	M7-1-160000	Strap Evulsion Arm Ass'y	1	SEE PAGE C17
29	MV-6-20220	Proximity Sensor (X14, X15, X16)(SQ1, SQ2, SQ3)	3	SEE PAGE C111
30	H42-1227	Washer	3	
31	TA-089	Spring Hook	1	
33	T7-1-10501	Strap Evulsion Bracket	1	
34	T7-1-64130	Return Spring	1	
35	T7-1-10510	Spring	1	
38	MB1515	Metal Bushing, 1515	1	
41	SP0514	Spring Pin, 5×14	2	
43	HBS0308N	HBS, M3×8 (N)	4	
44	HBS0516N	HBS, M5×16 (N)	4	
45	HBS0525HN	HBS, M5×25 (H)(N)	2	
46	HBS0640HN	HBS, M6×40 (H)(N)	4	
47	HBS0645HN	HBS, M6×45 (H)(N)	4	
48	HBS0612N	HBS, M6×12 (N)	7	

1-1**CAM GROUP****M7-1-100500****M7-1-100510**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
51	HSS0506GN	HSS, M5×6 (G)(N)	2	
52	HSS0610GN	HSS, M6×10 (G)(N)	2	
61	SW03	SW, M3	10	
62	SW05	SW, M5	6	
63	SW06	SW, M6	15	
65	PW03	PW, M3	6	
66	PW05	PW, M5	2	
67	PW06C	PW, M6 (C)	2	
68	PW06A	PW, M6 (A)	5	
74	PMS0320	PMS, M3×20	6	
78	HN06	HN, M6	1	

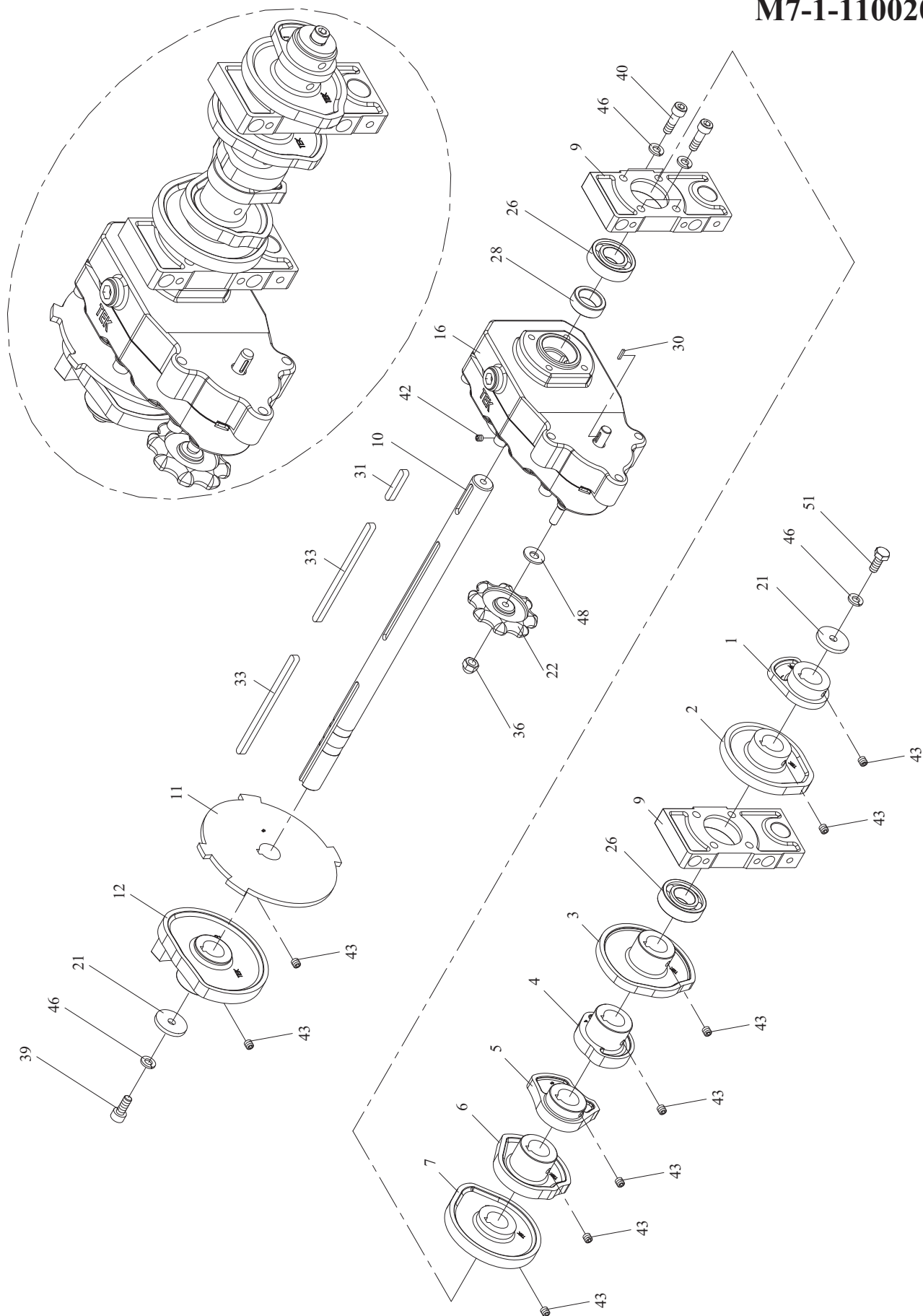


1-1-1

GEAR BOX AND CAM ASS'Y

M7-1-110002

M7-1-110020



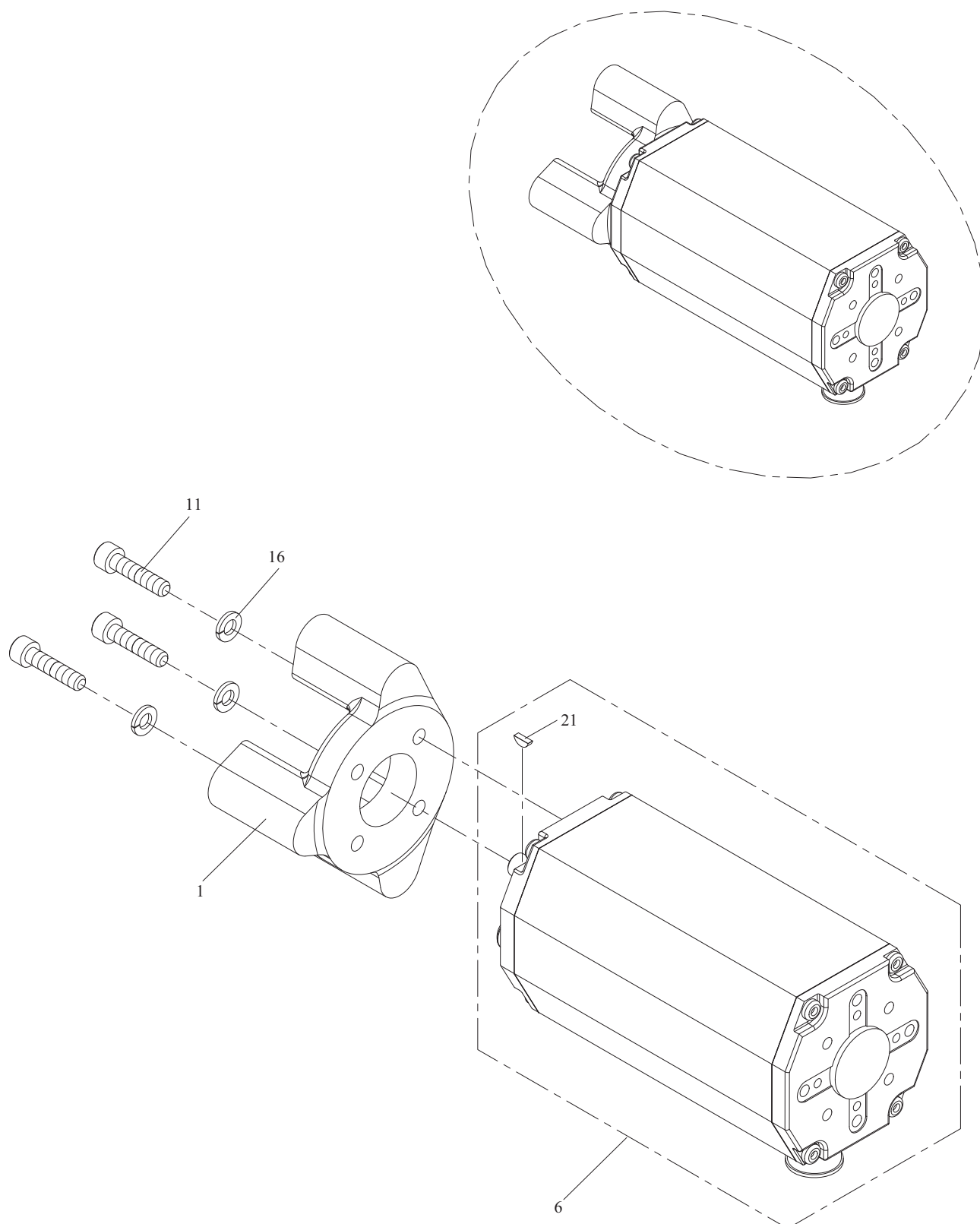
1-1-1**GEAR BOX AND CAM ASS'Y****M7-1-110002****M7-1-110020**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	M7-1-110002	Gear Box and Cam Ass'y (For 5-6mm)	1	
	M7-1-110020	Gear Box and Cam Ass'y (For 9mm)	1	
1	M7-1-111100	Retracting Cam	1	
2	M7-1-111200	Tension Cam	1	
3	M7-1-111300	Heater Cam	1	
4	M7-1-111400	Front Bar Cam	1	
5	M7-1-111500	Press Bar Cam	1	
6	M7-1-111601	Rear Bar Cam (For 5-6mm)	1	
	M7-1-111610	Rear Bar Cam (For 9mm)	1	
7	M7-1-111701	Slide Table Cam	1	
9	M7-1-111900	Support	2	
10	M7-1-112001	Cam Shaft	1	
11	M7-1-112101	Position Cam	1	
12	M7-1-112201	Arch Cam	1	
16	M7-1-110100	Gear Box	1	
21	TB-223	Washer	2	
22	T7-1-11240	Handle	1	
26	BR6003ZZ	Bearing, 6003ZZ	2	
28	MCO-A-1700800	Spacer	1	
30	KYA020210	Key, 2×2×10	1	
31	KYA050530	Key, 5×5×30	1	
33	KYA0505101	Key, 5×5×101	2	
36	CAP06	CAP, M6	1	
39	HBS0616N	HBS, M6×16 (N)	1	
40	HBS0625N	HBS, M6×25 (N)	4	
42	HSS0505GN	HSS, M5×5 (G)(N)	1	
43	HSS0606GN	HSS, M6×6 (G)(N)	9	
46	SW06	SW, M6	6	
48	PW06A	PW, M6 (A)	1	
51	HB0616N	HB, M6×16 (N)	1	

1-1-2

M1 MOTOR ASS'Y

M7-1-120010



1-1-2

M1 MOTOR ASS'Y

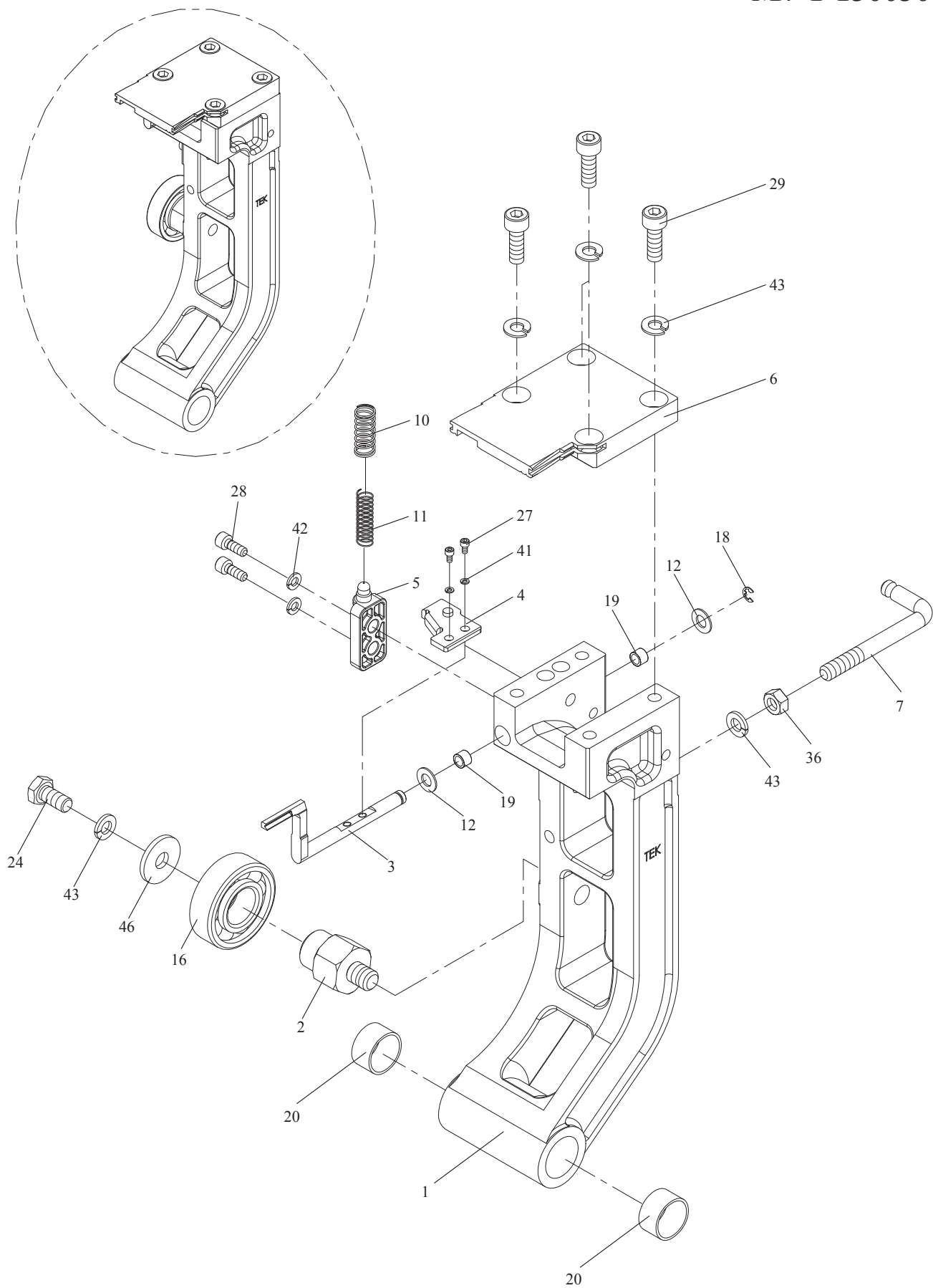
M7-1-120010

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-1-121100	Gear Box Support	1	
6	M7-1-221110	M1 Motor	1	
11	HBS0520N	HBS, M5×20 (N)	4	
16	SW05	SW, M5	4	
21	KYC0210	Key, 2×10	1	

1-1-3

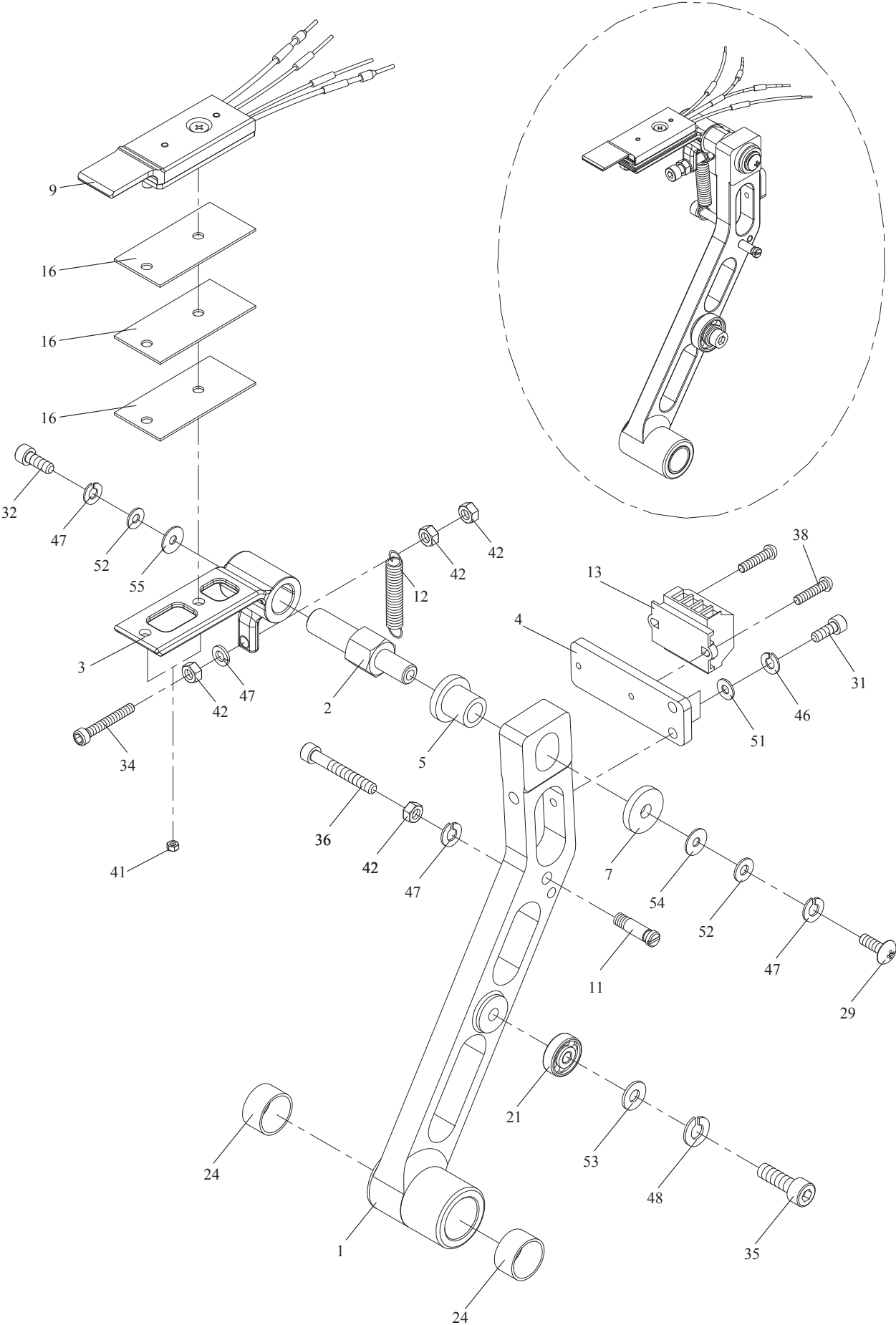
SLIDE TABLE FRAME ASS'Y

M7-1-130002
M7-1-130030



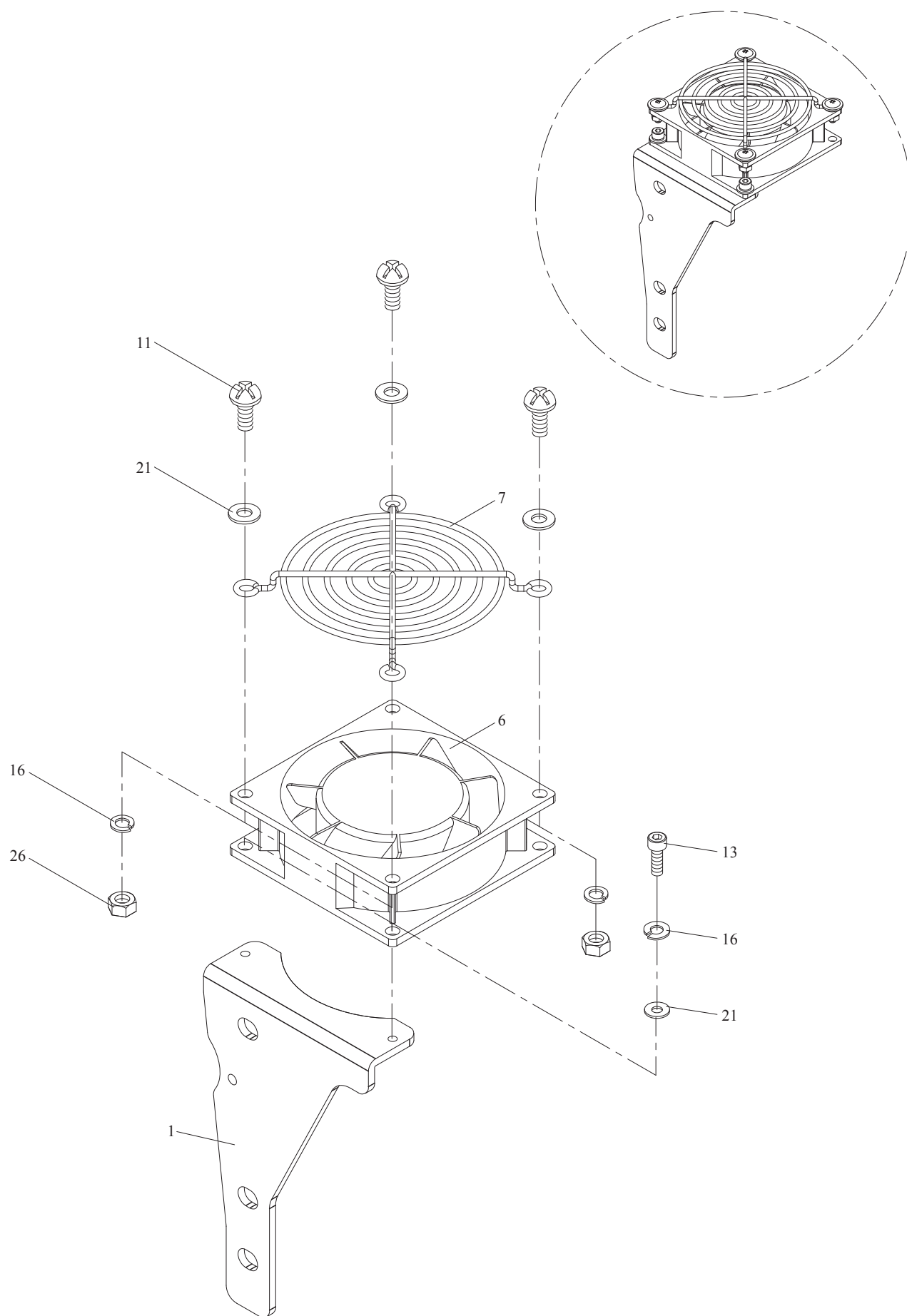
1-1-3**SLIDE TABLE FRAME ASS'Y****M7-1-130002****M7-1-130030**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	M7-1-130002	Slide Table Frame Ass'y (For 5-6mm)	1	
	M7-1-130030	Slide Table Frame Ass'y (For 9mm)	1	
1	M7-1-131102	Slide Table Frame	1	
2	M7-1-131200	Shaft	1	
3	M7-1-131301	Switch Lever	1	
4	M7-1-131401	Sensor Plate	1	
5	M7-1-131500	Spring Base	1	
6	M7-1-131600	Slide Table	1	
7	M7-1-131700	Spring Hook	1	
10	MSP-C-0607700	Spring (For 5-6mm)	1	
	MSP-C-0808100	Spring (For 9mm)	1	
11	T7-1-10140S	Spring	1	
12	MWA-A-0610020S	Washer	2	
16	BR6202ZZ	Bearing, 6202ZZ	1	
18	ER04	Snap Ring, E-4	1	
19	MB0608	Metal Bushing, 0608	2	
20	MB1515	Metal Bushing, 1515	2	
24	HB0612	HB, M6×12	1	
27	HBS0306N	HBS, M3×6 (N)	2	
28	HBS0512N	HBS, M5×12 (N)	2	
29	HBS0616N	HBS, M6×16 (N)	4	
36	HN06	HN, M6	1	
41	SW03	SW, M3	2	
42	SW05	SW, M5	2	
43	SW06	SW, M6	6	
46	PW06C	PW, M6 (C)	1	



1-1-4**HEATER ARM ASS'Y****M7-1-140030**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-1-141100	Heater Crank	1	
2	M7-1-141200	Heater Shaft	1	
3	M7-1-141300	Heater Bracket	1	
4	M7-1-141400	Terminal Bracket	1	
5	M7-1-141500	Isolator	1	
7	WA-030501	Washer (φ 5.5 $\times$ φ 18 t=3)	1	
9	M7-1-140101	Heater Set	1	
11	TA-073	Spring Hook	1	
12	TB-115	Spring	1	
13	T5-1-12451	Heater Terminal	1	
16	T7-1-12412	Heater-Insulation	3	
21	BR636ZZ	Bearing, 636ZZ	1	
24	MB1515	Metal Bushing, 1515	2	
29	THS0516N	THS, M5 $\times$ 16 (N)	1	
31	HBS0412N	HBS, M4 $\times$ 12 (N)	2	
32	HBS0516N	HBS, M5 $\times$ 16 (N)	1	
34	HBS0530N	HBS, M5 $\times$ 30 (N)	1	
35	HBS0620N	HBS, M6 $\times$ 20 (N)	1	
36	HBS0540HN	HBS, M5 $\times$ 40 (H)(N)	1	
38	PMS0308	PMS, M3 $\times$ 8	2	
41	HN04S	HN, M4	2	
42	HN05	HN, M5	4	
46	SW04	SW, M4	2	
47	SW05	SW, M5	4	
48	SW06	SW, M6	1	
51	PW04	PW, M4	2	
52	PW05	PW, M5	2	
53	PW06A	PW, M6 (A)	1	
54	PW06C	PW, M6 (C)	1	
55	PW06CS	PW, M6 (C)	1	



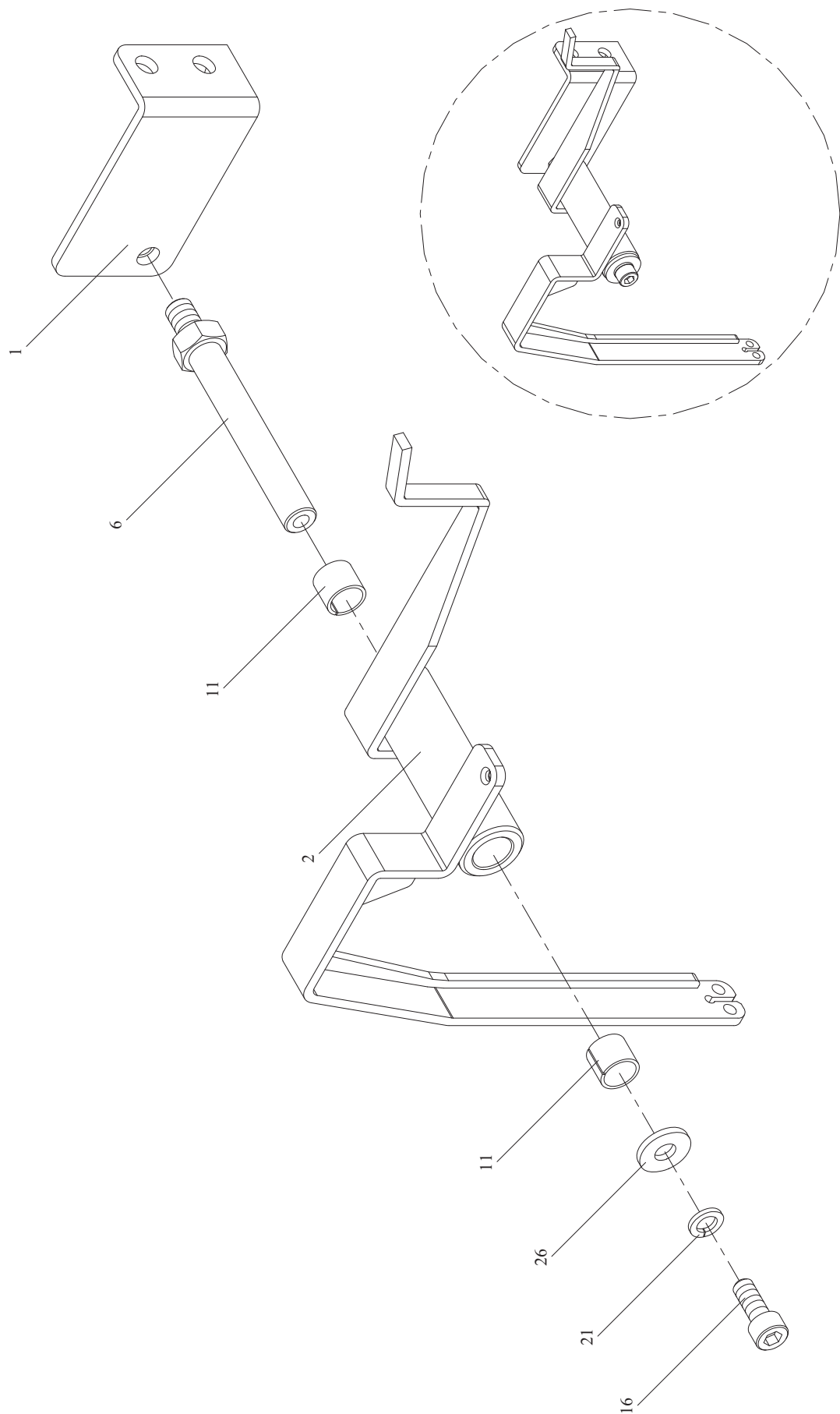
1-1-5**EXHAUST FAN ASS'Y****M7-1-150011**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-1-151201	Fan Bracket	1	
6	T5-1-12370	Fan	1	
7	T7-6-10930	Fan Cover	1	
11	TMS0412N	TMS, M4×12 (N)	4	
13	HBS0410N	HBS, M4×10 (N)	2	
16	SW04	SW, M4	6	
21	PW04	PW, M4	6	
26	HN04	HN, M4	4	

1-1-6

STRAP EVULSION ARM ASS'Y

M7-1-160000

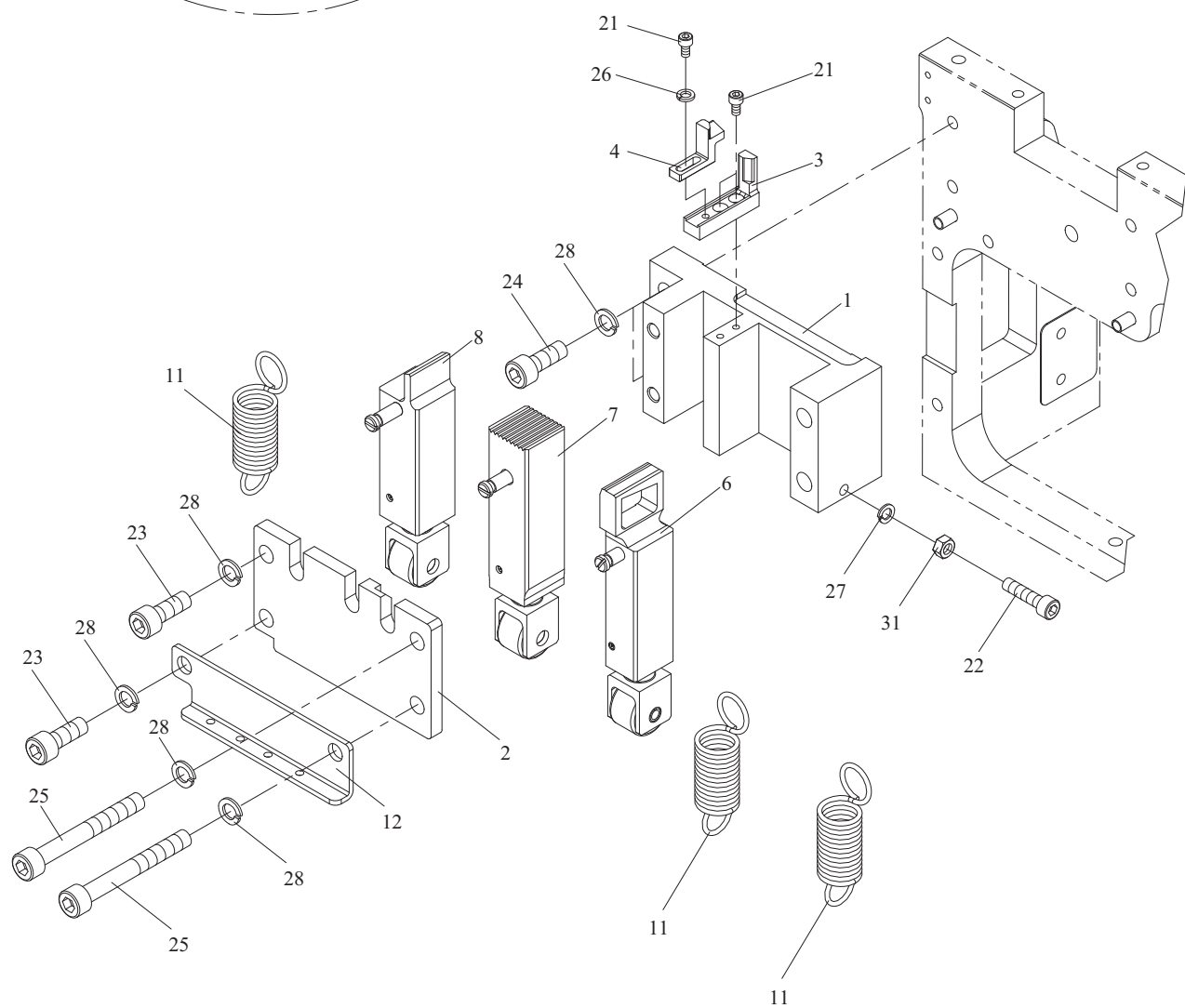
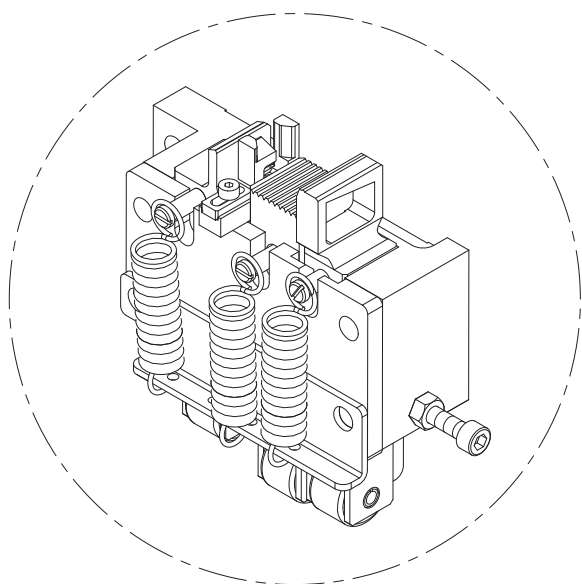


1-1-6

STRAP EVULSION ARM ASS'Y

M7-1-160000

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-1-161100	Support	1	
2	M7-1-161200	Strap Evulsion Arm	1	
6	T7-1-10521	Shaft	1	
11	MB1010	Metal Bushing, 1010	2	
16	HBS0616N	HBS, M6×16 (N)	1	
21	SW06	SW, M6	1	
26	PW06C	PW, M6 (C)	1	



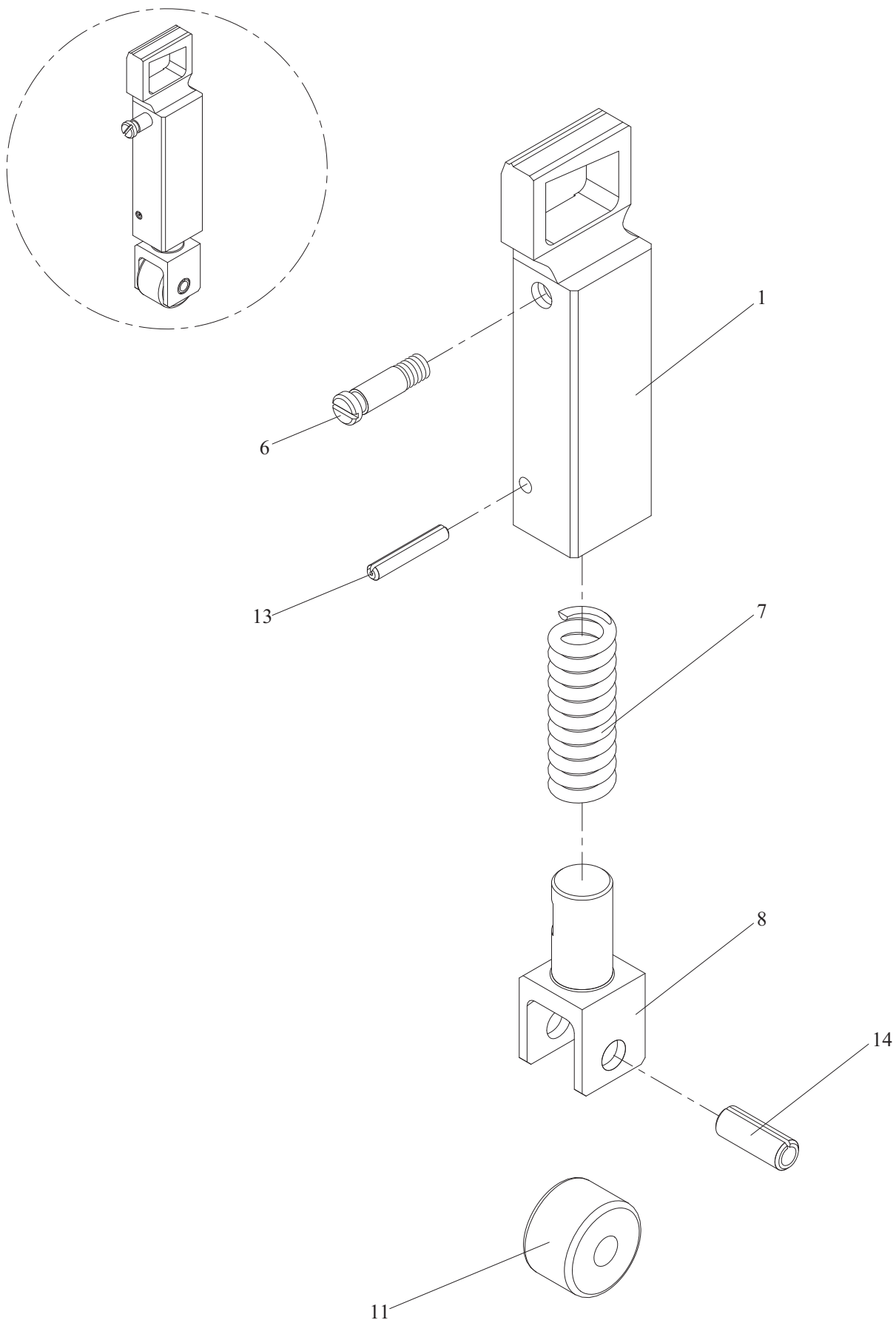
1-2**BAR GUIDE GROUP****M7-1-200000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-1-201100	Bar Guide	1	
2	M7-1-201200	Bar Guide Lid	1	
3	M7-1-201300	Cutter Holder	1	
4	M7-1-201400	Strap Guide	1	
6	M7-1-210001	Front Bar Ass'y	1	SEE PAGE C21
7	M7-1-220000	Press Bar Ass'y	1	SEE PAGE C23
8	M7-1-230000	Rear Bar Ass'y	1	SEE PAGE C25
11	TA-071	Return Spring	3	
12	T7-1-10180	Spring Hook	1	
21	HBS0308N	HBS, M3×8 (N)	3	
22	HBS0520N	HBS, M5×20 (N)	1	
23	HBS0616N	HBS, M6×16 (N)	2	
24	HBS0620N	HBS, M6×20 (N)	2	
25	HBS0650HN	HBS, M6×50 (H)(N)	2	
26	SW03	SW, M3	1	
27	SW05	SW, M5	1	
28	SW06	SW, M6	6	
31	HN05	HN, M5	1	

1-2-1

FRONT BAR ASS'Y

M7-1-210001



1-2-1

FRONT BAR ASS'Y

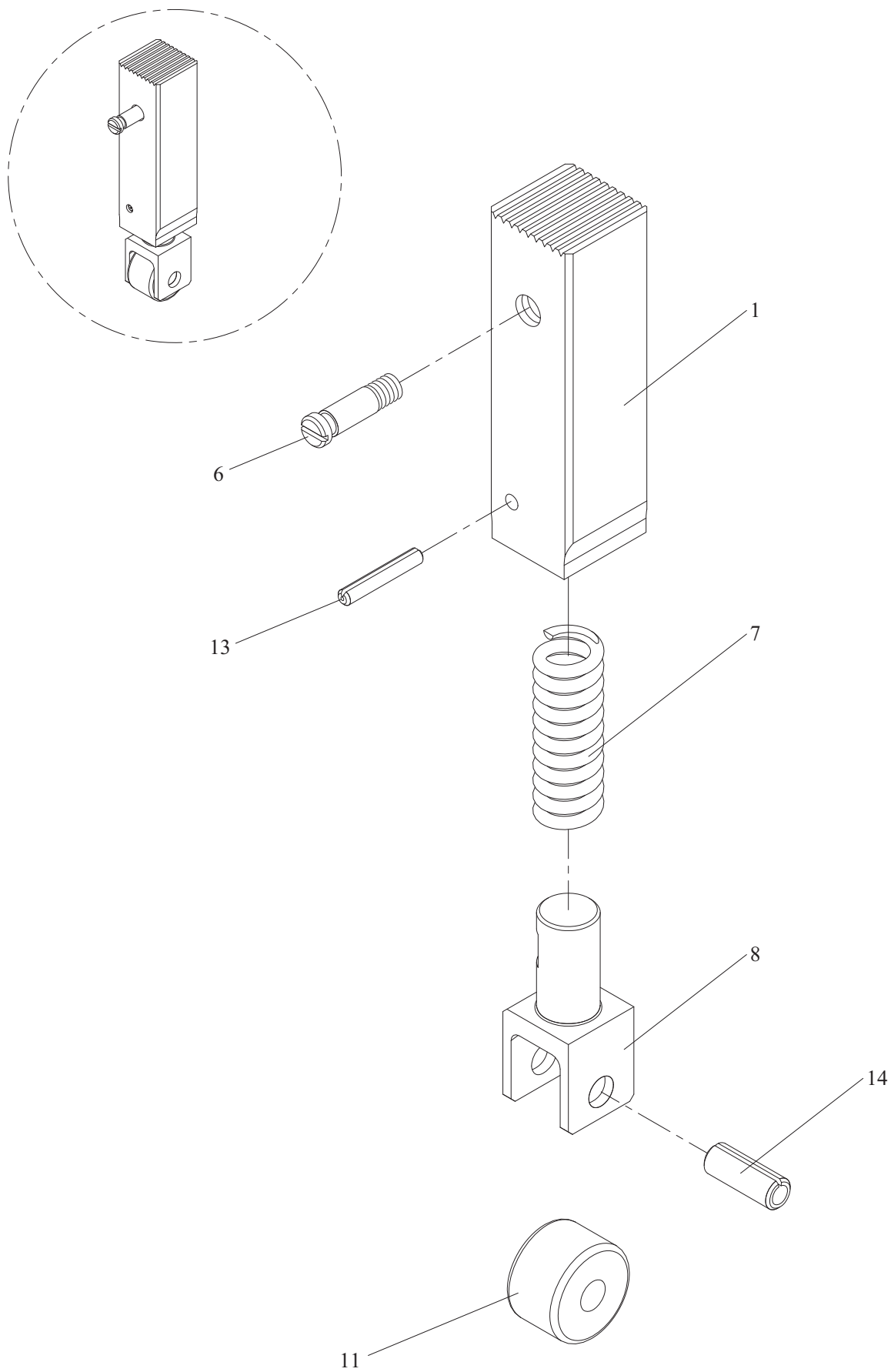
M7-1-210001

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-1-211101	Front Bar	1	
6	TA-073	Spring Hook	1	
7	TA-078	Spring	1	
8	T7-1-13121	Plunger	1	
11	BRNART6VR	Bearing, NART6VR	1	
13	SP0318	Spring Pin, 3×18	1	
14	SP0616	Spring Pin, 6×16	1	

1-2-2

PRESS BAR ASS'Y

M7-1-220000



1-2-2

PRESS BAR ASS'Y

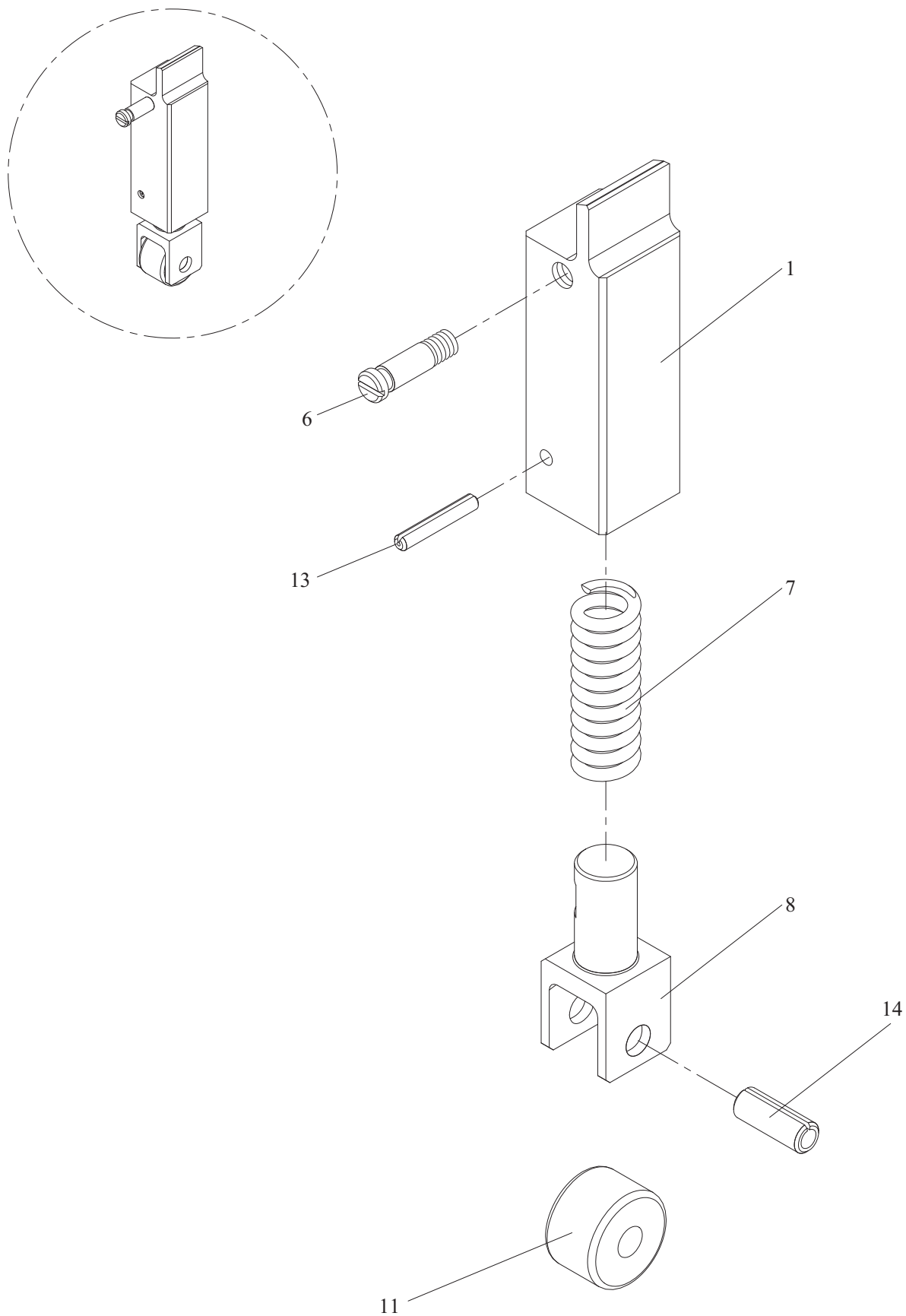
M7-1-220000

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-1-221200	Press Bar	1	
6	TA-073	Spring Hook	1	
7	TA-078	Spring	1	
8	T7-1-13121	Plunger	1	
11	BRNART6VR	Bearing, NART6VR	1	
13	SP0318	Spring Pin, 3×18	1	
14	SP0616	Spring Pin, 6×16	1	

1-2-3

REAR BAR ASS'Y

M7-1-230000



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

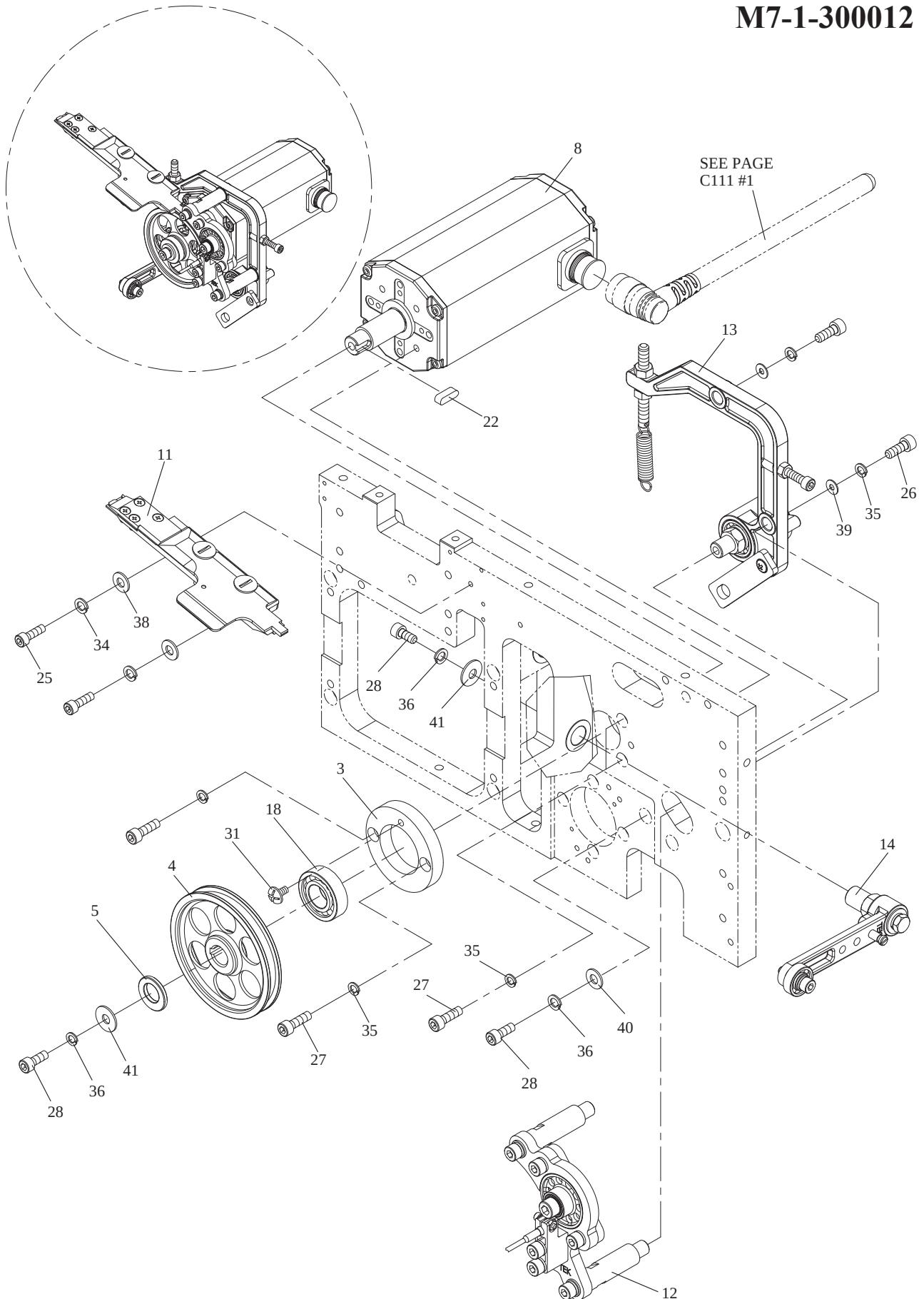
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-1-231100	Rear Bar	1	
6	TA-073	Spring Hook	1	
7	TA-078	Spring	1	
8	T7-1-13121	Plunger	1	
11	BRNART6VR	Bearing, NART6VR	1	
13	SP0318	Spring Pin, 3×18	1	
14	SP0616	Spring Pin, 6×16	1	

1-3

FEED GROUP

M7-1-300002

M7-1-300012



1-3**FEED GROUP****M7-1-300002****M7-1-300012**

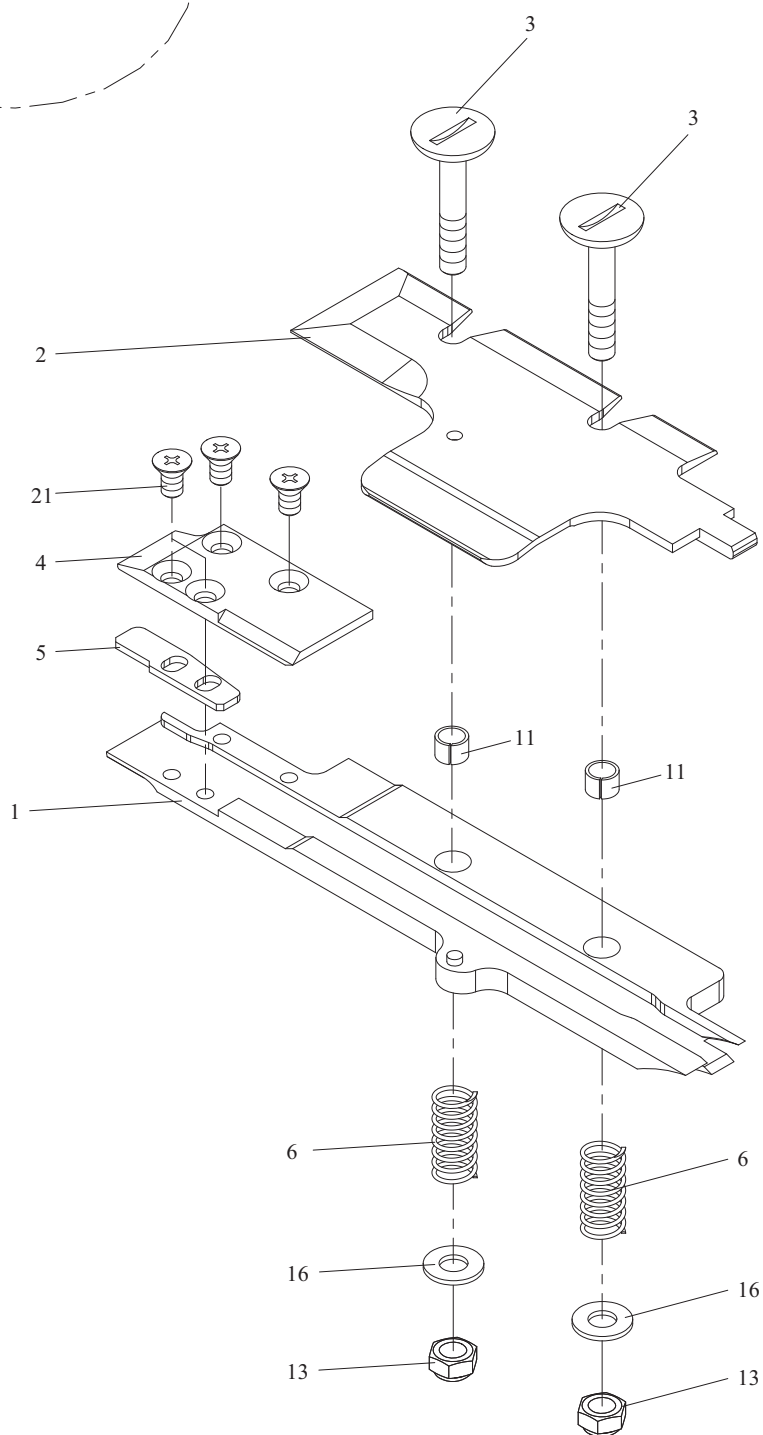
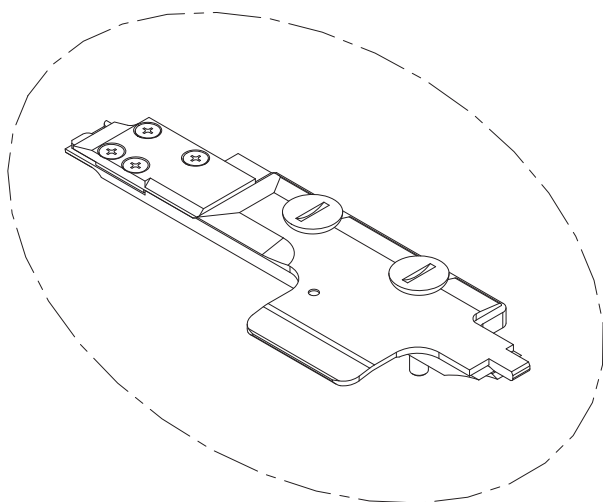
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	M7-1-300002	Feed Group (For 5-6mm)	1	
	M7-1-300012	Feed Group (For 9mm)	1	
3	M7-1-301300	Bearing Housing	1	
4	M7-1-301400	Guide Wheel (For 5-6mm)	1	
	M7-1-301410	Guide Wheel (For 9mm)	1	
5	M7-1-301500	Spacer (For 5-6mm)	1	
	M7-1-301510	Spacer (For 9mm)	1	
8	M7-1-300100	Feeding Motor (M2) Set	1	
11	M7-1-310001	Upper Guide Ass'y (For 5-6mm)	1	SEE PAGE C29
	M7-1-310011	Upper Guide Ass'y (For 9mm)	1	
12	M7-1-320001	Assistant Roller Ass'y (For 5-6mm)	1	SEE PAGE C31
	M7-1-320011	Assistant Roller Ass'y (For 9mm)	1	
13	M7-1-330000	Feeding Arm Ass'y	1	SEE PAGE C33
14	M7-1-340000	Retracting Arm Ass'y	1	SEE PAGE C35
18	BR6002ZZ	Bearing, 6002ZZ	1	
22	KYA040415	Key, 4×4×15	1	
25	HBS0412N	HBS, M4×12 (N)	2	
26	HBS0512N	HBS, M5×12 (N)	2	
27	HBS0516N	HBS, M5×16 (N)	6	
28	HBS0612N	HBS, M6×12 (N)	3	
31	TMS0508N	TMS, M5×8 (N)	1	
34	SW04	SW, M4	2	
35	SW05	SW, M5	8	
36	SW06	SW, M6	3	
38	PW04	PW, M4	2	
39	PW05	PW, M5	2	
40	PW06A	PW, M6 (A)	1	
41	PW06C	PW, M6 (C)	2	

1-3-1

UPPER GUIDE ASS'Y

M7-1-310001

M7-1-310011



1-3-1**UPPER GUIDE ASS'Y****M7-1-310001****M7-1-310011**

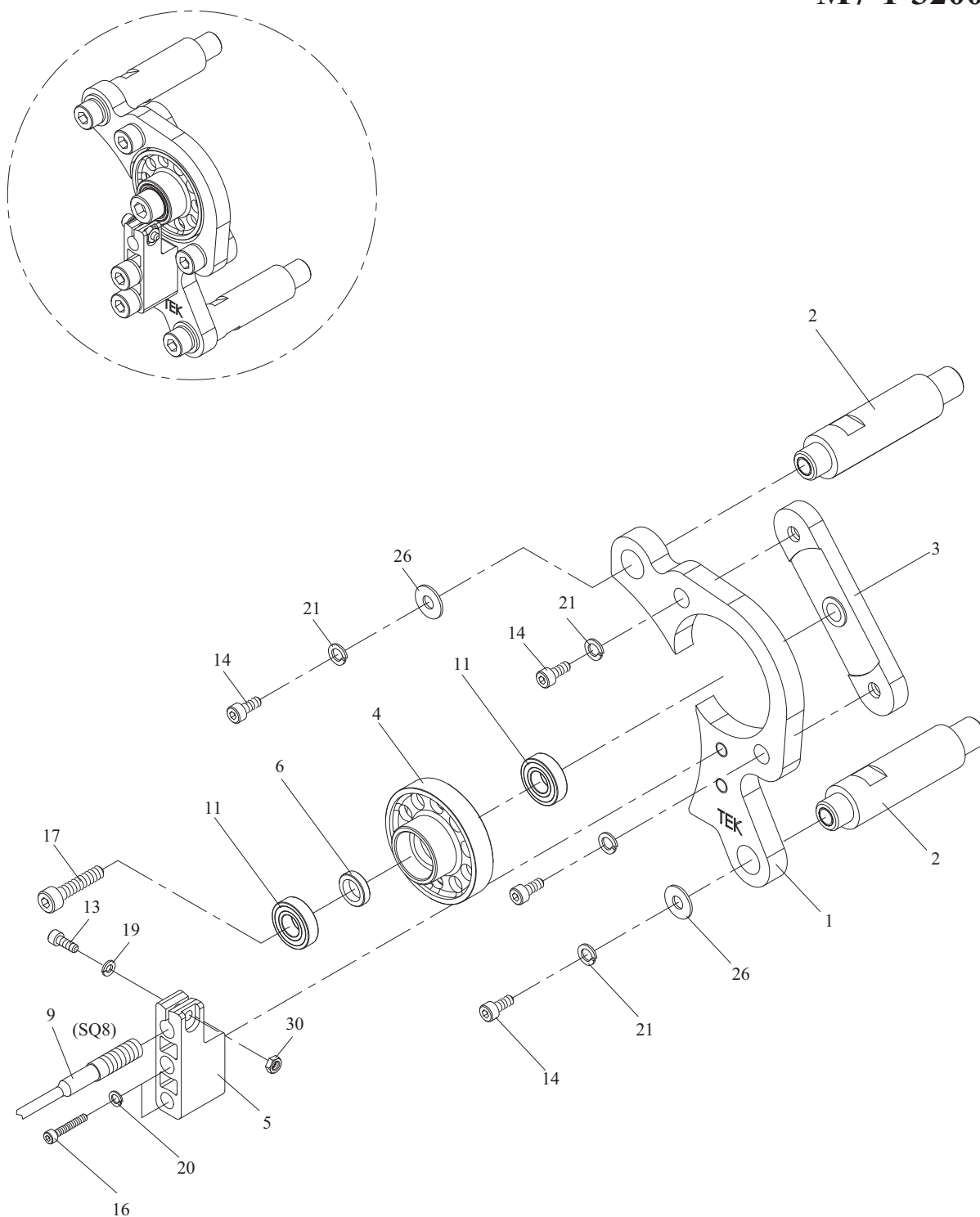
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-1-310001	Upper Guide Ass'y (For 5-6mm)	1	
	M7-1-310011	Upper Guide Ass'y (For 9mm)	1	
	M7-1-311103	Upper Guide (For 5-6mm)	1	
	M7-1-311113	Upper Guide (For 9 mm)	1	
	M7-1-311201	Cover (For 5-6mm)	1	
	M7-1-311211	Cover (For 9mm)	1	
2	M7-1-311300	Bolt	2	
3	M7-1-311402	Cover (Only 5-6mm)	1	
4	M7-1-311500	Adjusting Plate (Only 5-6mm)	1	
5	H44-10940	Spring	2	
6				
11	MB0505	Metal Bushing, 0505	2	
13	NTE05	NTE, M5	2	
16	PW05E	PW, M5 (E)	2	
21	FMS0408N	FMS, M4×8 (N)(Only 5-6mm)	4	

1-3-2

ASSISTANT ROLLER ASS'Y

M7-1-320001

M7-1-320011



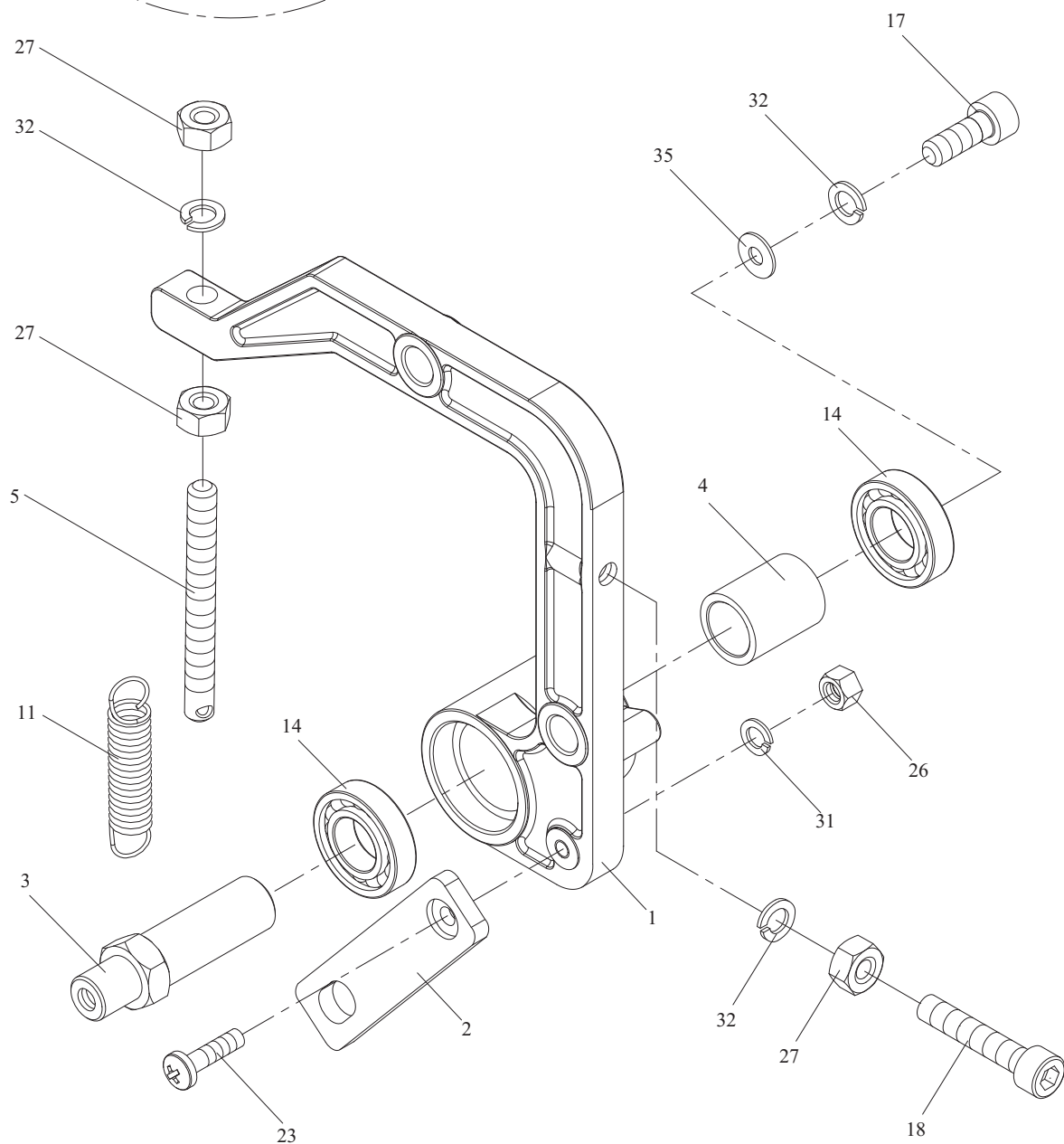
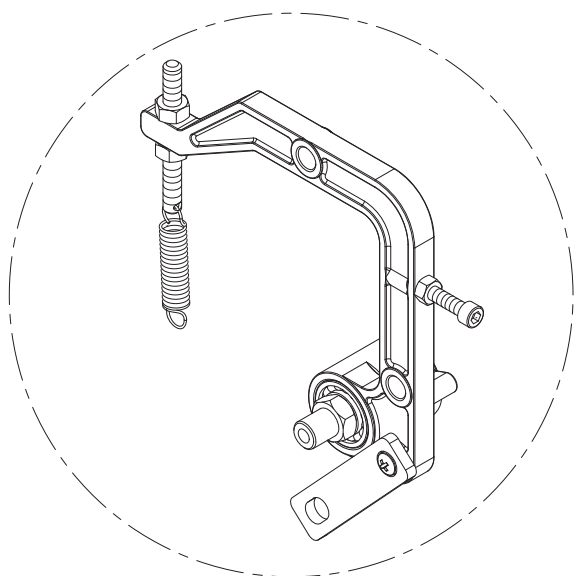
1-3-2**ASSISTANT ROLLER ASS'Y****M7-1-320001****M7-1-320011**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-1-320001	Assistant Roller Ass'y (For 5-6mm)	1	SEE PAGE C111
	M7-1-320011	Assistant Roller Ass'y (For 9mm)	1	
	M7-1-321100	Assistant Roller Bracket (For 5-6mm)	1	
	M7-1-321110	Assistant Roller Bracket (For 9mm)	1	
	M7-1-321200	Shaft	2	
	M7-1-321300	Assistant Roller Base	1	
2	M7-1-321400	Assistant Roller (For 5-6mm)	1	
3	M7-1-321410	Assistant Roller (For 9mm)	1	
4	M7-1-321501	SQ8 Sensor Base	1	
5	M7-1-321600	Spacer	1	
6				
9	M7-6-301100	Proximity Switch (X20)(SQ8)	1	
11	BR686ZZ	Bearing, 686ZZ	2	
13	HBS02.512N	HBS, M2.5×12 (N)	1	
14	HBS0512N	HBS, M5×12 (N)	4	
16	HBS0425N	HBS, M4×25 (N)	2	
17	HBS0620N	HBS, M6×20 (N)	1	
19	SW02.5	SW, M2.5	1	
20	SW04	SW, M4	2	
21	SW05	SW, M5	4	
26	PW05	PW, M5	2	
30	HN02.5	HN, M2.5	1	

1-3-3

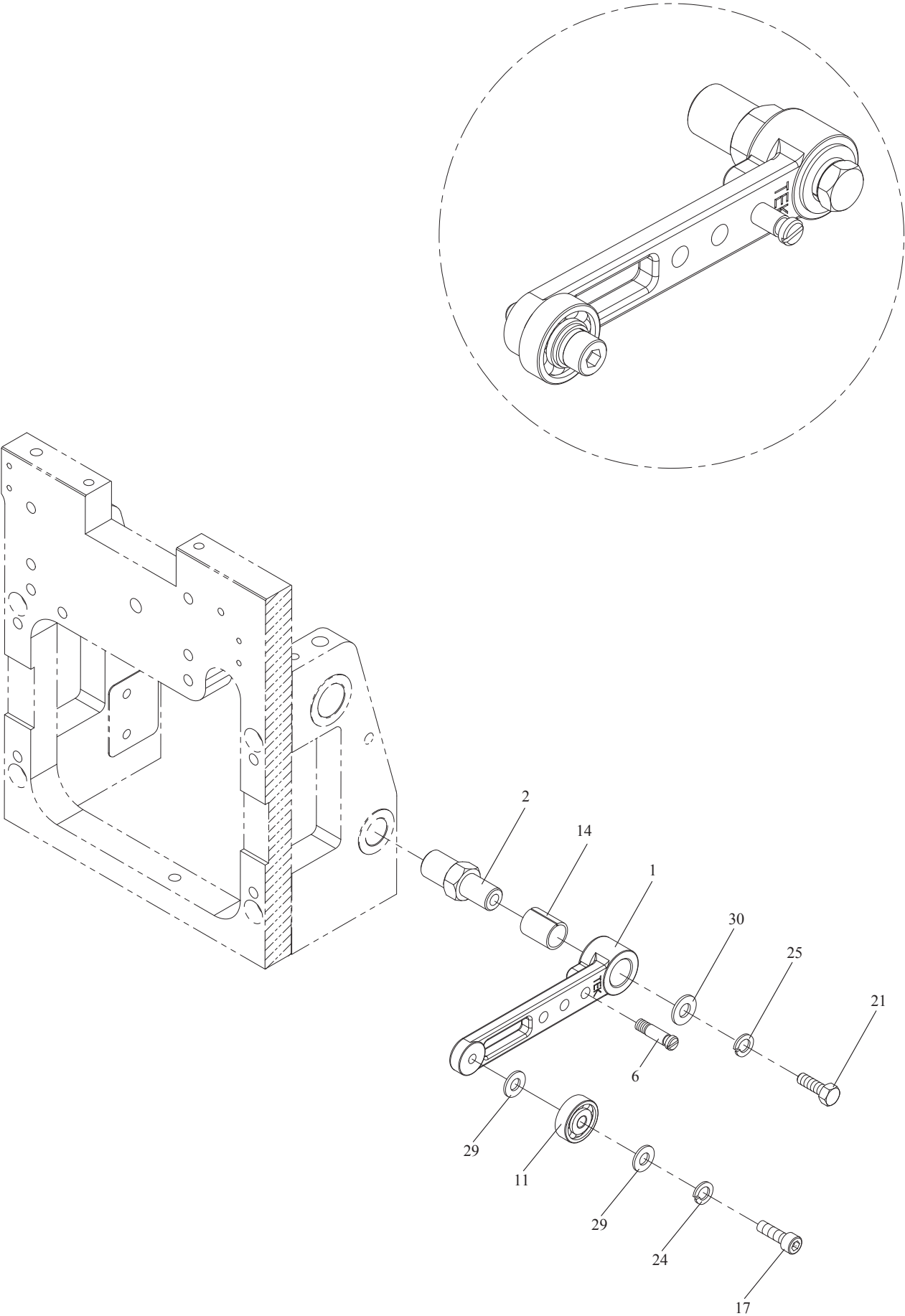
FEEDING ARM ASS'Y

M7-1-330000



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

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



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

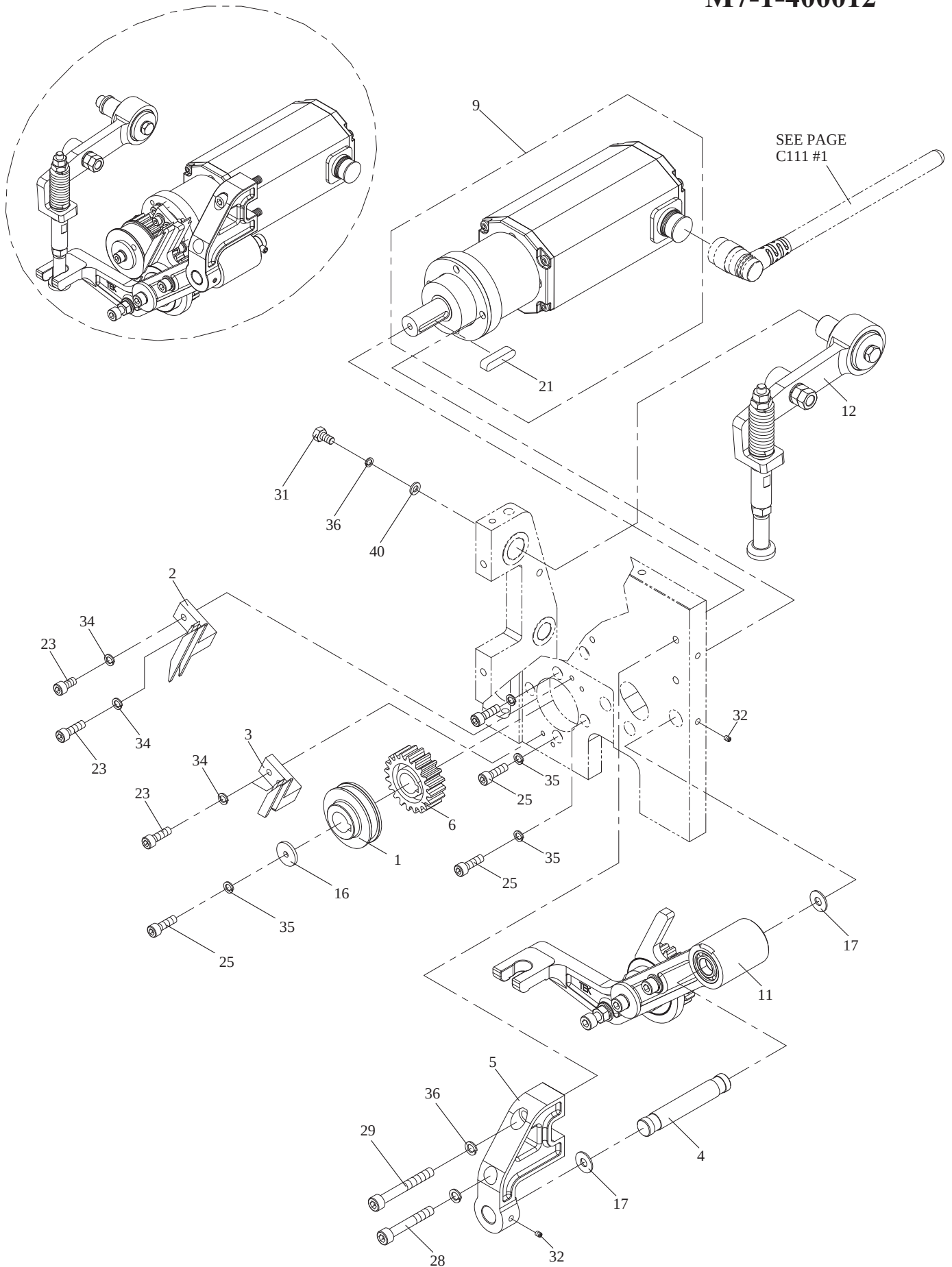
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-1-341100	Retracting Arm	1	
2	M7-1-341200	Shaft	1	
6	TA-073	Spring Hook	1	
11	BR635ZZ	Bearing, 635ZZ	1	
14	MB1015	Metal Bushing, 1015	1	
17	HBS0516N	HBS, M5×16 (N)	1	
21	HB0612	HB, M6×12	1	
24	SW05	SW, M5	1	
25	SW06	SW, M6	1	
29	PW05	PW, M5	2	
30	PW06B	PW, M6 (B)	1	

1-4

TENSION GROUP

M7-1-400002

M7-1-400012



1-4

TENSION GROUP

M7-1-400002

M7-1-400012

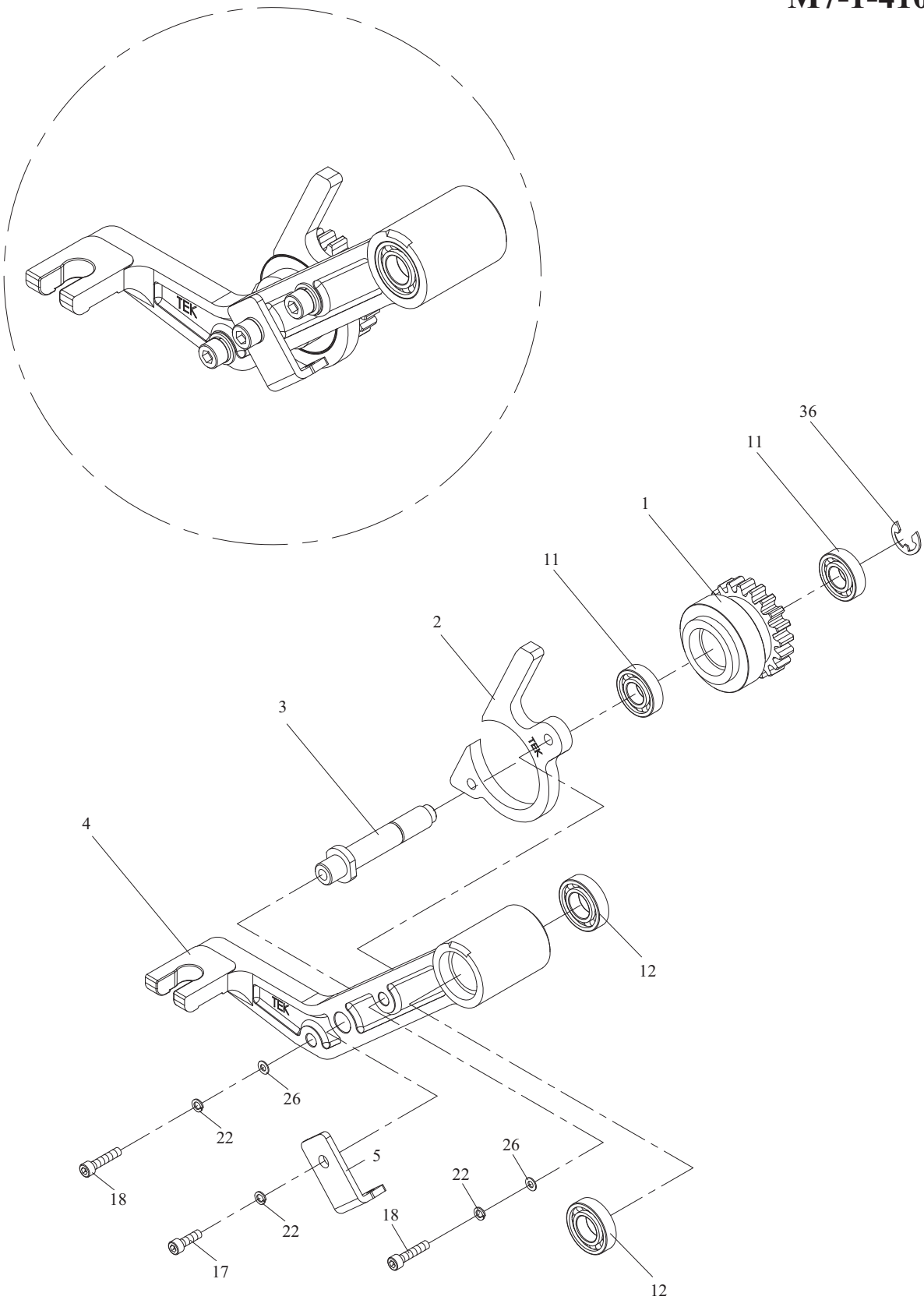
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-1-400002	Tension Group (For 5-6mm)	1	
	M7-1-400012	Tension Group (For 9mm)	1	
	M7-1-401100	Tension Guide Wheel (For 5-6mm)	1	
	M7-1-401110	Tension Guide Wheel (For 9mm)	1	
	M7-1-401201	Guide (For 5-6mm)	1	
	M7-1-401211	Guide (For 9mm)	1	
2	M7-1-401302	Tension Guide (For 5-6mm)	1	
	M7-1-401312	Tension Guide (For 9mm)	1	
4	M7-1-401400	Shaft	1	
5	M7-1-401500	Bracket	1	
6	M7-1-401600	Gear	1	
9	M7-1-301100	Motor (M3)	1	
	M7-1-301110	Motor (M3)(For 9mm, Tension 45kg)(Option)	1	
11	M7-1-410001	Tension Crank Ass'y (For 5-6mm)	1	SEE PAGE C39
	M7-1-410011	Tension Crank Ass'y (For 9mm)	1	
12	M7-1-420001	Tension Arm Ass'y	1	SEE PAGE C41
16	TB-223	Washer	1	
17	AD-2-20181	Washer	2	
21	KYA050527	Key, 5×5×27	1	
23	HBS0412N	HBS, M4×12 (N)	4	
25	HBS0516N	HBS, M5×16 (N)	5	
28	HBS0640HN	HBS, M6×40 (H)(N)	1	
29	HBS0655HN	HBS, M6×55 (H)(N)	1	
31	HB0612	HB, M6×12	1	
32	HSS0506GN	HSS, M5×6 (G)(N)	2	
34	SW04	SW, M4	4	
35	SW05	SW, M5	5	
36	SW06	SW, M6	3	
40	PW06C	PW, M6 (C)	1	

1-4-1

TENSION CRANK ASS'Y

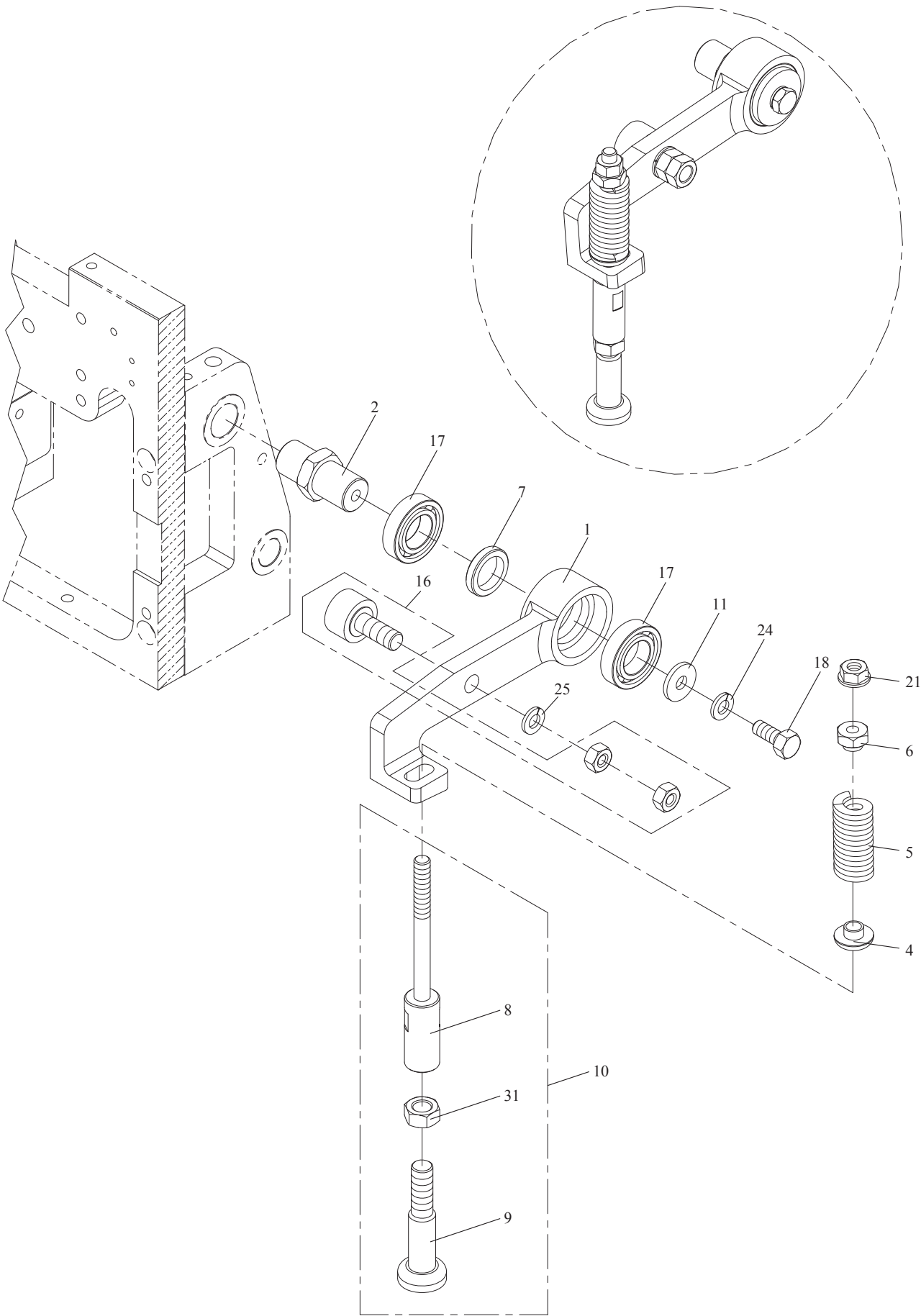
M7-1-410001

M7-1-410011



1-4-1**TENSION CRANK ASS'Y****M7-1-410001****M7-1-410011**

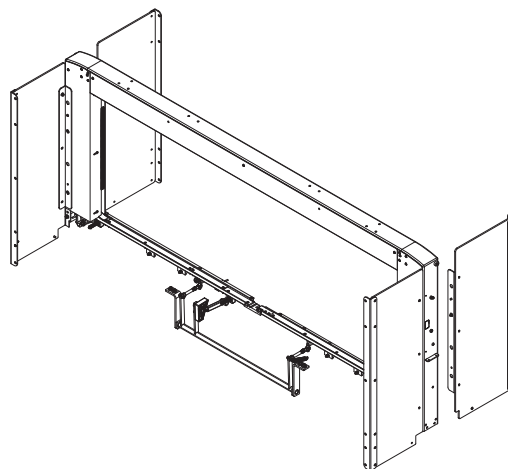
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-1-410001	Tension Crank Ass'y (For 5-6mm)	1	
	M7-1-410011	Tension Crank Ass'y (For 9mm)	1	
	M7-1-411100	Assistant Roller (For 5-6mm)	1	
	M7-1-411110	Assistant Roller (For 9mm)	1	
	M7-1-411200	Assistant Roller Housing (For 5-6mm)	1	
2	M7-1-411210	Assistant Roller Housing (For 9mm)	1	
3	M7-1-411300	Shaft	1	
4	M7-1-411401	Tension Crank	1	
5	M7-1-411501	Spring Hook	1	
11	BR6900ZZ	Bearing, 6900ZZ	2	
12	BR6901ZZ	Bearing, 6901ZZ	2	
17	HBS0612N	HBS, M6×12 (N)	1	
18	HBS0630N	HBS, M6×30 (N)	2	
22	SW06	SW, M6	3	
26	PW06A	PW, M6 (A)	2	
36	ER08	Snap Ring, E-8	1	



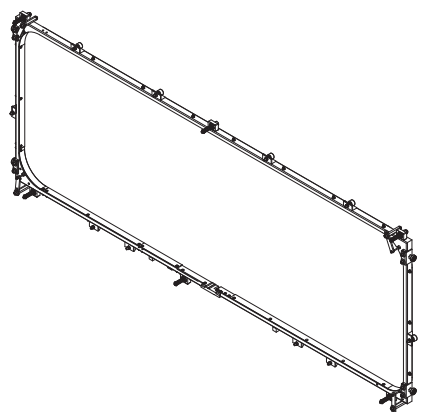
1-4-2**TENSION ARM ASS'Y****M7-1-420001**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-1-421101	Tension Arm	1	
2	M7-1-421200	Shaft	1	
4	M7-1-421400	Spring Support	1	
5	M7-1-421510	Spring	1	
6	M7-1-421600	Nut	1	
7	M7-1-421700	Collar	1	
8	M7-1-421800	Connecting Rod (Upper)	1	
9	M7-1-421900	Connecting Rod (Lower)	1	
10	M7-1-420100	Connecting Rod Set	1	
11	TB-223	Washer	1	
16	BRCF8	Bearing, CF8	1	
17	BR6902ZZ	Bearing, 6902ZZ	2	
18	HB0612	HB, M6×12	1	
21	FLG06	FLG, M6	1	
24	SW06	SW, M6	1	
25	SW08	SW, M8	1	
31	HN08	HN, M8	1	

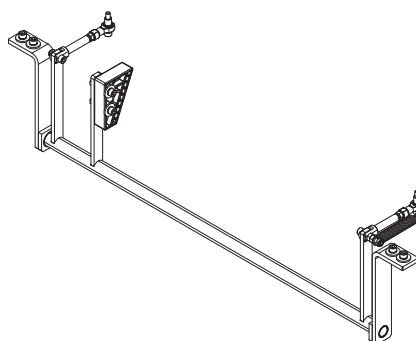
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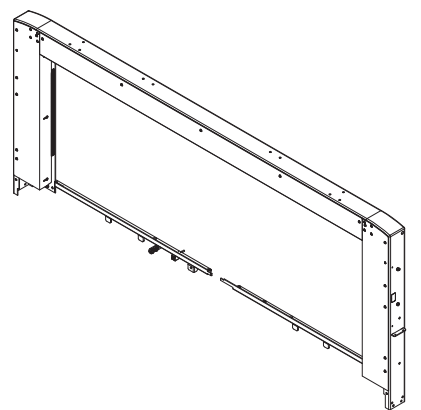
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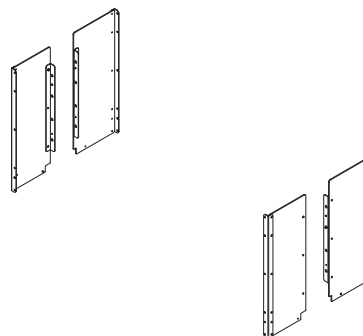
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3



5



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	M7-2-900500	Bandway Unit (For 5-6mm, 1250W)	1	
	M7-2-900510	Bandway Unit (For 9mm, 1250W)	1	
	M7-2-900520	Bandway Unit (For 5-6mm, 1650W)	1	
	M7-2-900530	Bandway Unit (For 9mm, 1650W)	1	
1	M7-2-100100	Arch Group (For 1250W)	1	SEE PAGE C45
	M7-2-100110	Arch Group (For 1650W)	1	
2	M7-2-200100	Bandway Group (For 5-6mm, 1250W)	1	SEE PAGE C49
	M7-2-200110	Bandway Group (For 9mm, 1250W)	1	
	M7-2-200120	Bandway Group (For 5-6mm, 1650W)	1	
	M7-2-200130	Bandway Group (For 9mm, 1650W)	1	
3	M7-2-300400	Arch Cover Group (For 1250W)	1	SEE PAGE C55
	M7-2-300410	Arch Cover Group (For 1650W)	1	
4	M7-2-400200	Connecting Rod Group	1	SEE PAGE C61
5	M7-2-500200	Safety Guards Group	1	SEE PAGE C63

2-1

ARCH GROUP

M7-2-100100

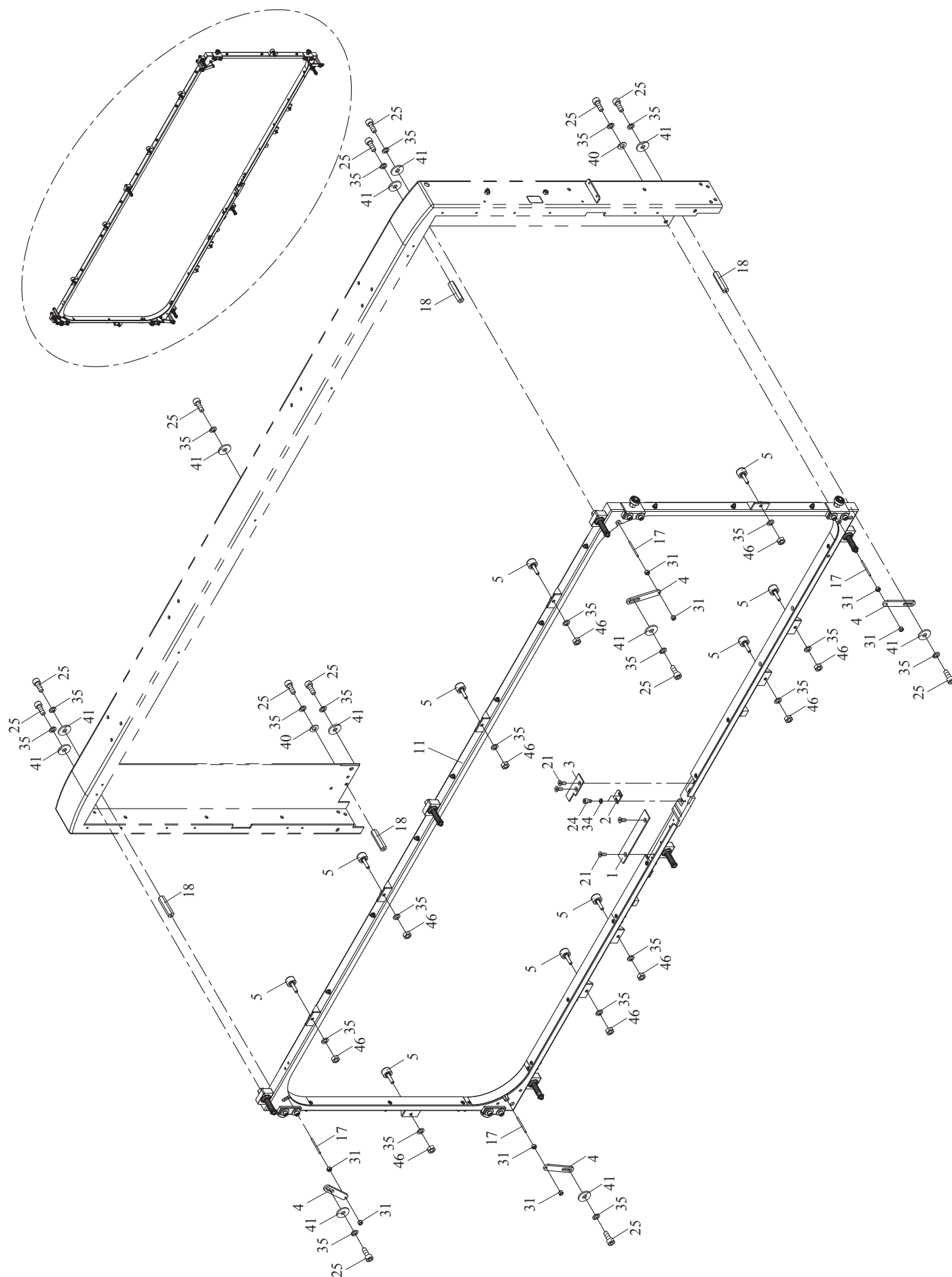
M7-2-100110

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-2-100100	Arch Group (For 1250W)	1	
	M7-2-100110	Arch Group (For 1650W)	1	
	M7-2-101800	Rod (For 1250W)	1	
	M7-2-101810	Rod (For 1650W)	1	
	M7-2-101410	Lever	1	
	M7-2-101500	Plate	1	
2	M7-2-101620	Left Bar	1	
3	M7-2-101720	Right Bar	1	
4	M7-1-101600	Collar	1	
9	TB-223	Washer	6	
10	H42-1227	Washer	1	
11	T7-2-10110	Bushing	2	
12	T7-2-10120	Guide	2	
13	T7-2-10224	Connecting Rod (For 1250W)	1	
14	T7-2-10226	Connecting Rod (For 1650W)	1	
	T7-2-10230	Connector	2	
17	T7-2-10260	Spacer	6	
19	T7-2-10290	Arm	1	
24	T7-3-10530	Tube	6	
31	WT163015	Thrust Washer	6	
35	BRCF8	Bearing, CF8	1	
36	BRNAST6	Bearing, Nast6	1	
38	MB0806	Metal Bushing, 0806	6	
41	KYA050510	Key, 5×5×10	1	
47	HBS0516N	HBS, M5×16 (N)	2	
49	HBS0616N	HBS, M6×16 (N)	2	
50	HBS0620N	HBS, M6×20 (N)	1	
51	HBS0630N	HBS, M6×30 (N)	5	
52	HBS0830N	HBS, M8×30 (N)	2	

2-1**ARCH GROUP****M7-2-100100****M7-2-100110**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
57	THS0625N	THS, M6×25 (N)	1	
58	THS0630N	THS, M6×30 (N)	6	
61	HN06	HN, M6	16	
62	HSS0506GN	HSS, M5×6 (G)(N)	2	
63	HSS0608GN	HSS, M6×8 (G)(N)	1	
66	SW05	SW, M5	2	
67	SW06	SW, M6	20	
68	SW08	SW, M8	3	
72	PW06A	PW, M6 (A)	20	





2-2

BANDWAY GROUP

M7-2-200100

M7-2-200110

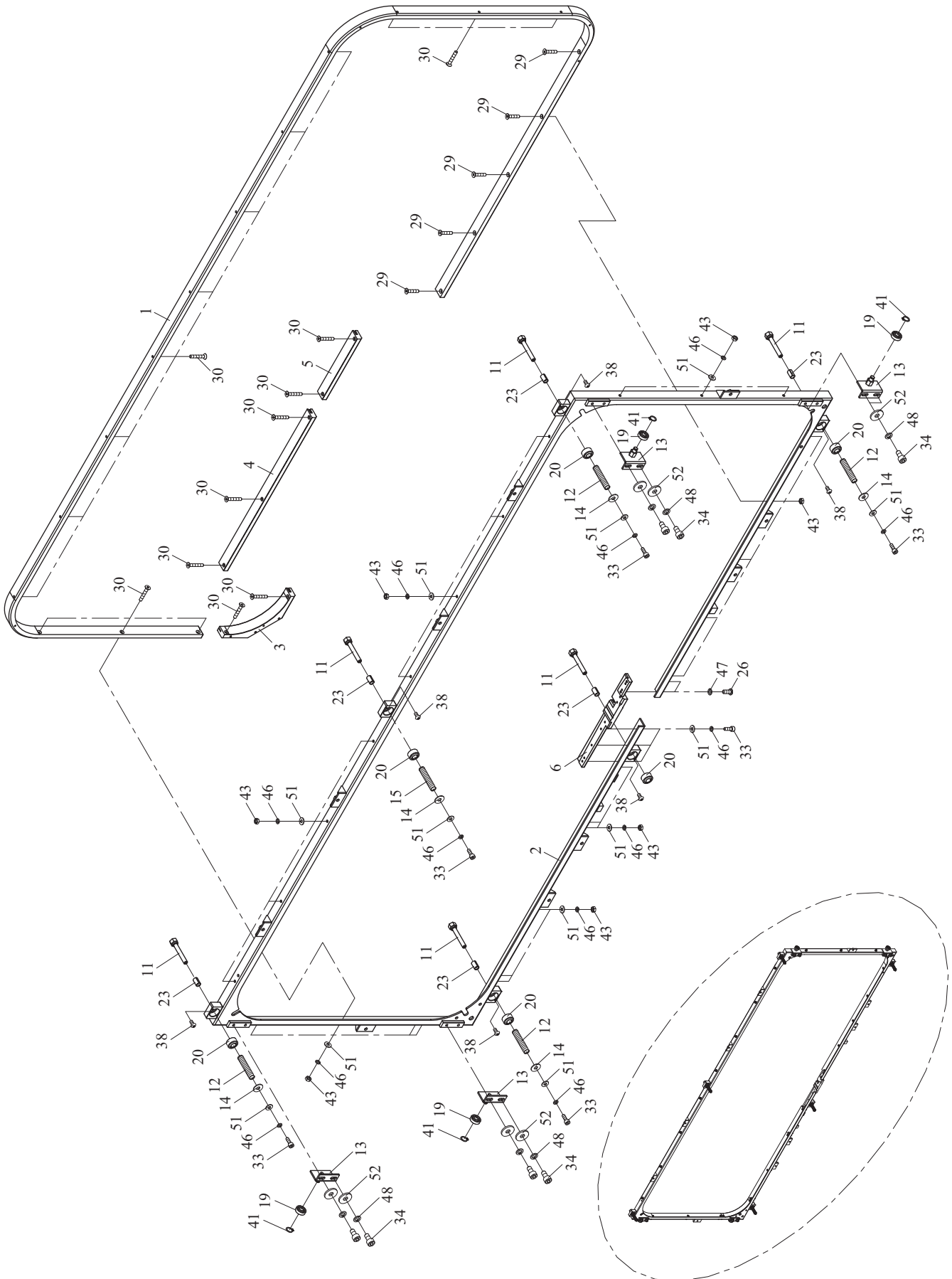
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	M7-2-200100	Bandway Group (For 5-6mm, 1250W)	1	
	M7-2-200110	Bandway Group (For 9mm, 1250W)	1	
	M7-2-200120	Bandway Group (For 5-6mm, 1650W)	1	
	M7-2-200130	Bandway Group (For 9mm, 1650W)	1	
1	M7-2-201300	Cover (L)	1	
2	M7-2-201400	Adjusting Plate	1	
3	M7-2-201500	Cover (R)	1	
4	M7-2-201710	Plate	4	
5	M7-2-201801	Bumper Screw	10	
11	M7-2-210400	Strap Track Frame Ass'y (For 5-6mm, 1250W)	1	SEE PAGE C51
	M7-2-210410	Strap Track Frame Ass'y (For 9mm, 1250W)	1	
	M7-2-210420	Strap Track Frame Ass'y (For 5-6mm, 1650W)	1	
	M7-2-210430	Strap Track Frame Ass'y (For 9mm, 1650W)	1	
17	T7-2-10210	Pin	4	
18	M7-2-201900	Tube	4	
21	FMS0410N	FMS, M4×10 (N)	4	
24	HBS0408N	HBS, M4×8 (N)	2	
25	HBS0616N	HBS, M6×16 (N)	14	
31	NTE03	NTE, M3	8	
34	SW04	SW, M4	2	
35	SW06	SW, M6	24	
40	PW06A	PW, M6 (A)	2	
41	PW06C	PW, M6 (C)	12	
46	HN06	HN, M6	10	

2-2-1

STRAP TRACK FRAME ASS'Y

M7-2-210400

M7-2-210410



2-2-1**STRAP TRACK FRAME ASS'Y****M7-2-210400****M7-2-210410**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-2-210400	Strap Track Frame Ass'y (For 5-6mm, 1250W)	1	
	M7-2-210410	Strap Track Frame Ass'y (For 9mm, 1250W)	1	
	M7-2-210420	Strap Track Frame Ass'y (For 5-6mm, 1650W)	1	
	M7-2-210430	Strap Track Frame Ass'y (For 9mm, 1650W)	1	
	M7-2-215100	Strap Track (For 5-6mm, 1250W)	1	
	M7-2-215110	Strap Track (For 5-6mm, 1650W)	1	
	M7-2-215130	Strap Track (For 9mm, 1250W)	1	
	M7-2-215140	Strap Track (For 9mm, 1650W)	1	
	M7-2-204100	Strap Track Frame (For 1250W)	1	
	M7-2-204110	Strap Track Frame (For 1650W)	1	
	M7-2-211101	Corner Strap Track (For 5-6mm)	1	
	M7-2-211111	Corner Strap Track (For 9mm)	1	
	M7-2-211221	Strap Track (Left)(2)(For 5-6mm, 1250W)	1	
	M7-2-211261	Strap Track (Left)(2)(For 5-6mm, 1650W)	1	
	M7-2-211321	Strap Track (Left) (2) (For 9mm, 1250W)	1	
	M7-2-211361	Strap Track (Left) (2) (For 9mm, 1650W)	1	
5	M7-2-211600	Strap Track (Left)(1)(For 5-6mm)	1	
	M7-2-211610	Strap Track (Left)(1)(For 9mm)	1	
6	M7-2-201600	Track Frame Connector (For 5-6mm)	1	
	M7-2-201610	Track Frame Connector (For 9mm)	1	
11	T7-2-20160	Shaft	6	
12	T7-2-20172	Spring	4	
13	T7-2-20180	Bracket	4	
14	PW05B	PW, M5 (B)	5	
15	T7-2-20171	Spring	1	
19	BR608ZZ	Bearing, 608ZZ	4	
20	BRPB8	Bearing, PB8	6	
23	MB0816	Metal Bushing, 0816	6	
26	HBL0512	HBL, M5×12	2	
29	FMS0420N	FMS, M4×20 (N)	4~5	
30	FMS0425	FMS, M4×25	21~22	

2-2-1**STRAP TRACK FRAME ASS'Y****M7-2-210400****M7-2-210410**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
33	HBS0412N	HBS, M4×12 (N)	8	
34	HBS0612N	HBS, M6×12 (N)	8	
38	TMS0408N	TMS, M4×8 (N)	6	
41	SR08	Snap Ring, S-8	4	
43	HN04	HN, M4	25~27	
46	SW04	SW, M4	29~30	
47	SW05	SW, M5	2	
48	SW06	SW, M6	8	
51	PW04	PW, M4	29~30	
52	PW06C	PW, M6 (C)	8	



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-2-300400	Arch Cover Group (For 1250W)	1	
	M7-2-300410	Arch Cover Group (For 1650W)	1	
	M7-2-307100	Arch (For 1250W)	1	
	M7-2-307110	Arch (For 1650W)	1	
2	M7-2-307200	Arch Cover RH	1	SEE PAGE C59
3	M7-2-307300	Arch Cover LH	1	
4	M7-2-307400	Guide LH (For 1250W)	1	
	M7-2-307410	Guide LH (For 1650W)	1	
5	M7-2-307500	Guide RH (For 1250W)	1	
	M7-2-307510	Guide RH (For 1650W)	1	
6	M7-2-307600	Supporter	2	
7	M7-2-310000	Block Ass'y	1	
9	MV-6-20220	Proximity Sensor (X19)(SQ6)	1	
12	M7-2-301540	Arch Cover (Upper)(For 1250W)	1	
	M7-2-301550	Arch Cover (Upper)(For 1650W)	1	
13	M7-2-304120	Brush (Side)	2	
14	M7-2-304040	Brush (Upper)(For 1250W)	2	
	M7-2-304050	Brush (Upper)(For 1650W)	2	
16	M7-2-301700	Block	2	SEE PAGE C111
18	LA-40180	Label	1	
20	HBS0412N	HBS, M4×12 (N)	2	
21	HBS0512N	HBS, M5×12 (N)	3	
22	HBS0640HN	HBS, M6×40 (H)(N)	4	
23	HBS0612N	HBS, M6×12 (N)	8	
26	TTP0412BN	TTP, M4×12 (B)(N)	12	
28	THS0508N	THS, M5×8 (N)	13	
31	PMS0320	PMS, M3×20	2	
35	FMS0616N	FMS, M6×16 (N)	5	

2-3**ARCH COVER GROUP****M7-2-300400****M7-2-300410**

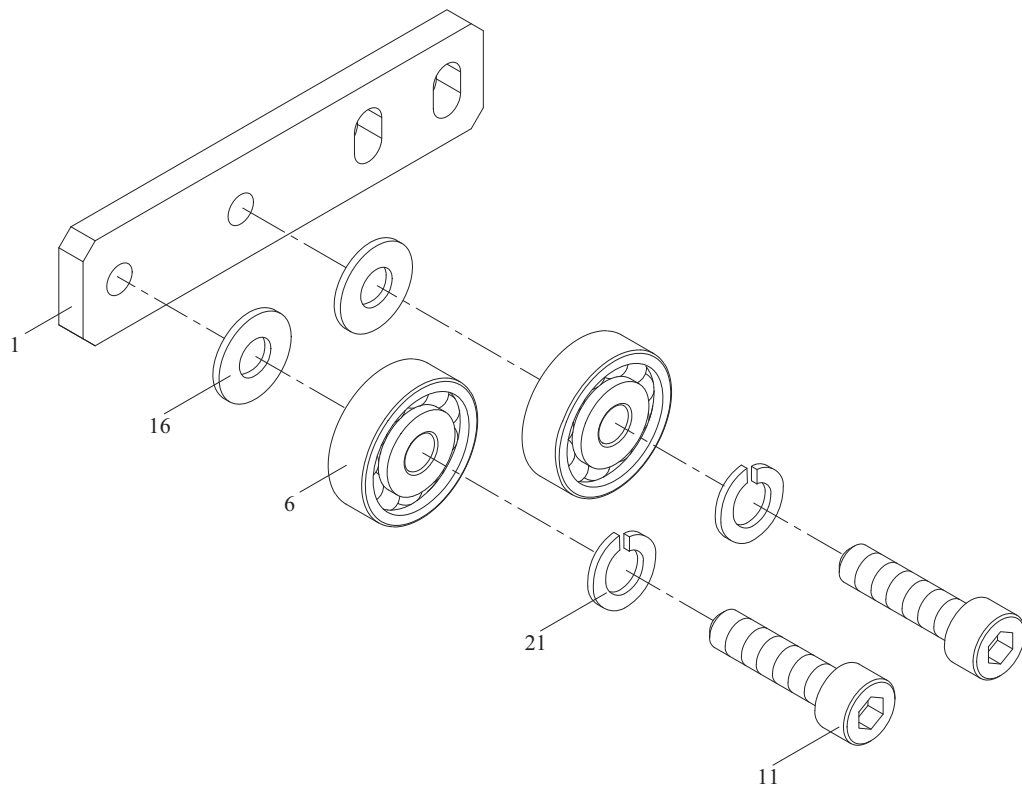
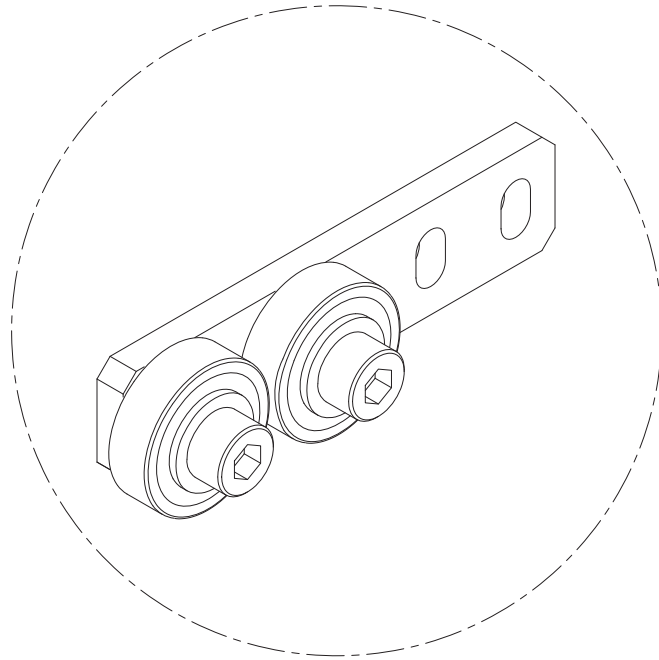
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
40	SW03	SW, M3	2	
41	SW04	SW, M4	2	
42	SW05	SW, M5	3	
43	SW06	SW, M6	12	
49	PW03	PW, M3	6	
50	PW04	PW, M4	2	
51	PW05	PW, M5	3	
52	PW06A	PW, M6 (A)	8	



2-3-1

BLOCK ASS'Y

M7-2-310000

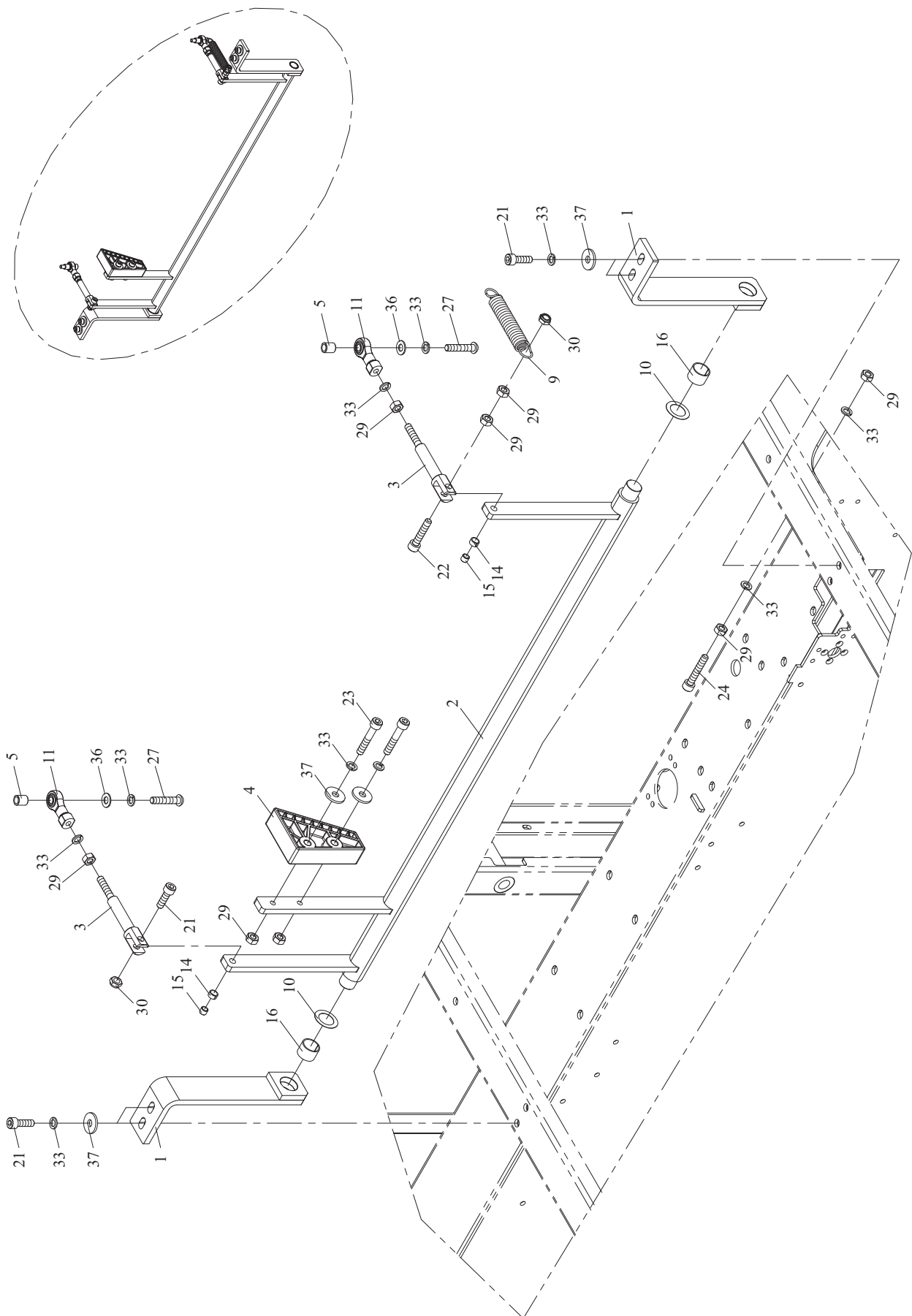


2-3-1

BLOCK ASS'Y

M7-2-310000

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-2-301200	Block	1	
6	BR635ZZ	Bearing, 635ZZ	2	
11	HBS0516N	HBS, M5×16 (N)	2	
16	PW05	PW, M5	2	
21	SW05	SW, M5	2	

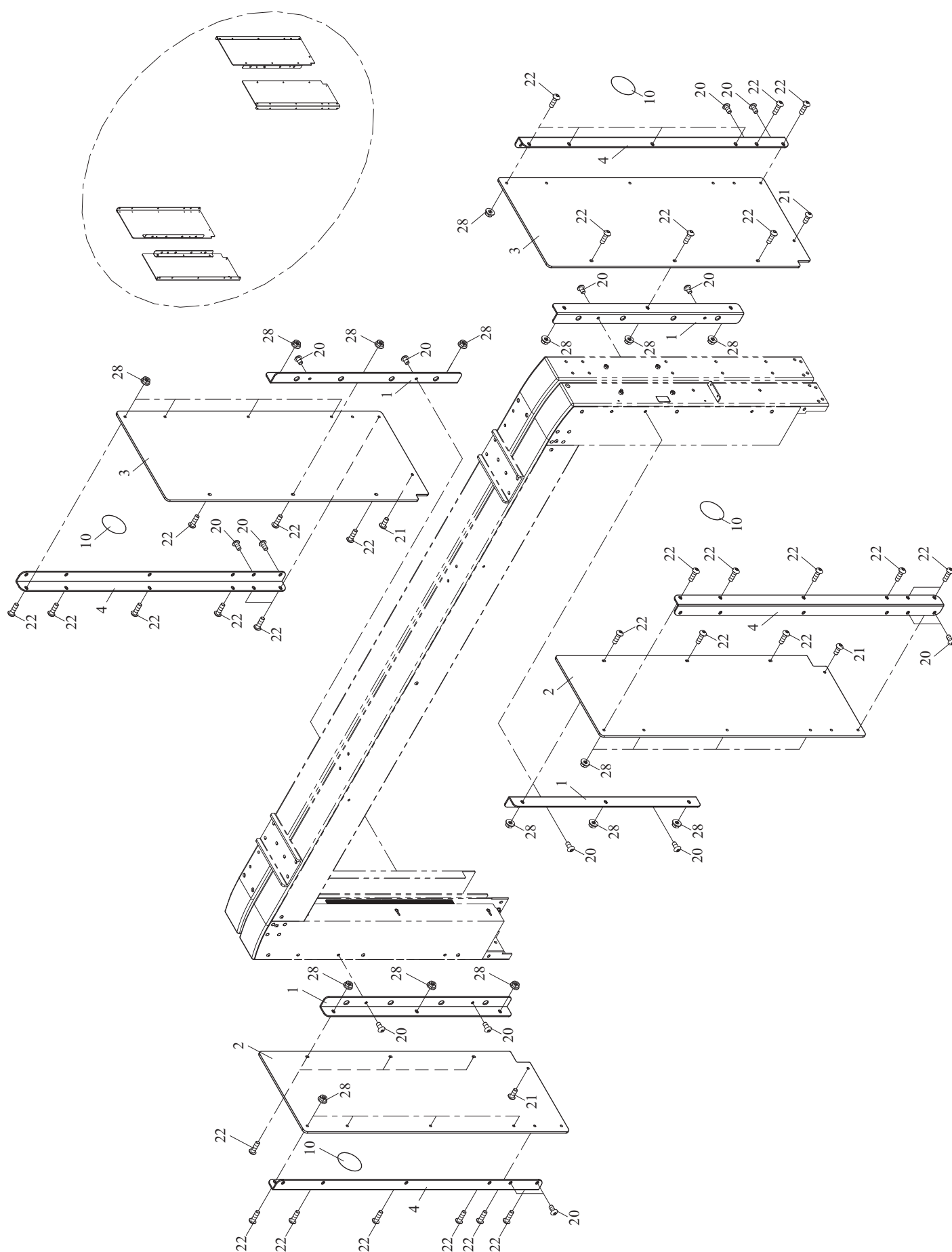


2-4

CONNECTING ROD GROUP

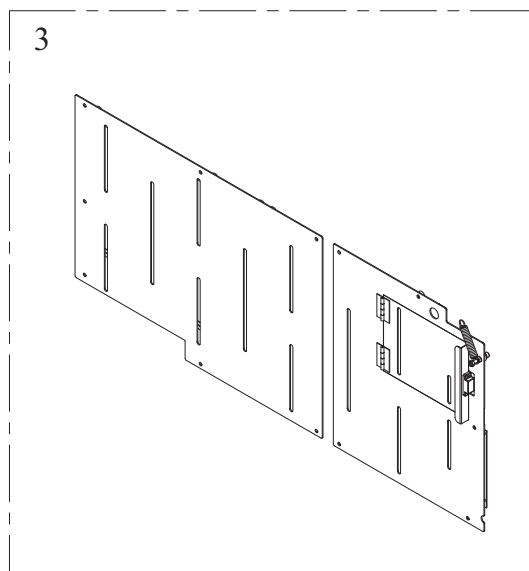
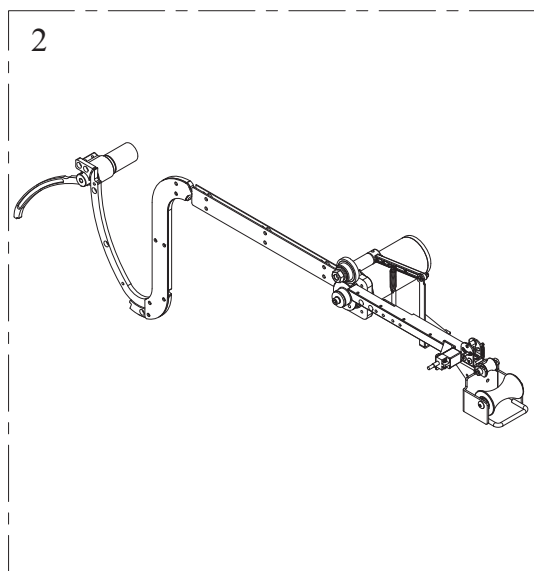
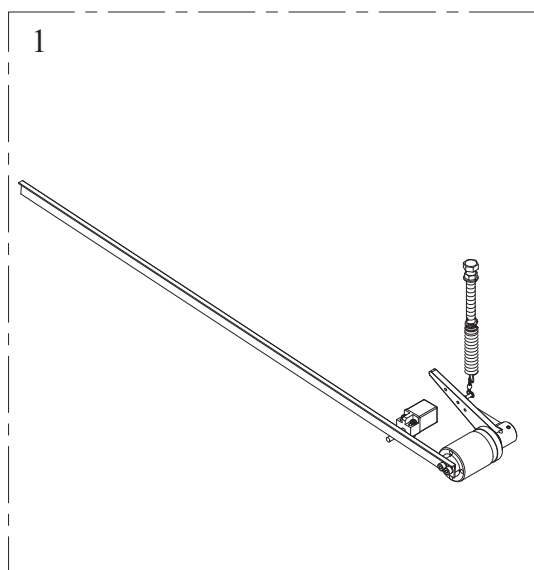
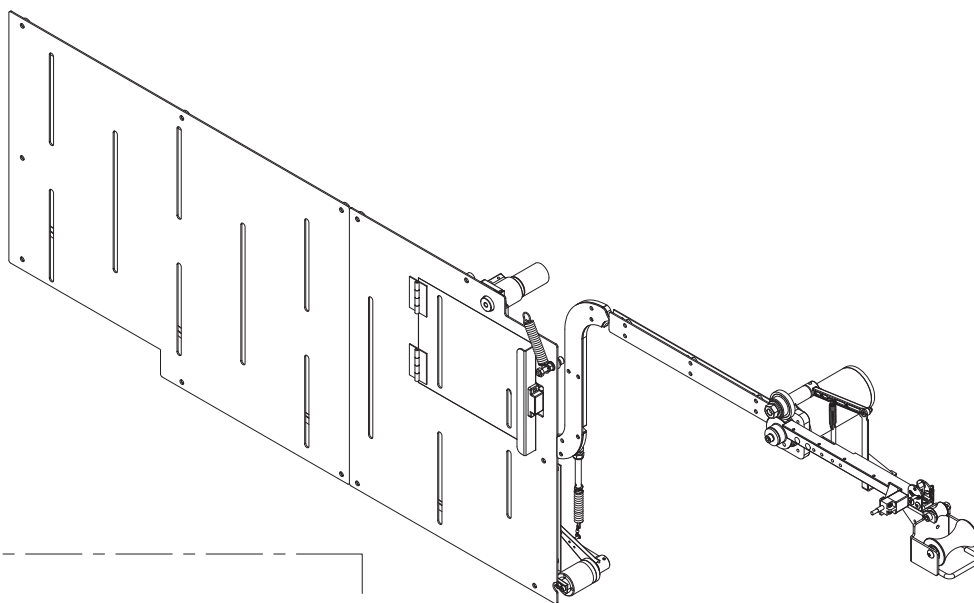
M7-2-400200

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-2-401100	Bracket	2	
2	M7-2-401231	Connecting Rod	1	
3	M7-2-401301	Connector	2	
4	M7-2-401400	Slant Block	1	
5	M7-3-211300	Collar	2	
9	TC-025	Spring	1	
10	H42-1227	Washer	2	
11	T7-2-20560	Swivel Head, NHS06	2	
14	MB0806	Metal Bushing, 0806	2	
15	MCO-A-0600600	Spacer	2	
16	MB1512	Metal Bushing, 1512	2	
21	HBS0620N	HBS, M6×20 (N)	5	
22	HBS0630N	HBS, M6×30 (N)	1	
23	HBS0635HN	HBS, M6×35 (H)(N)	2	
24	HBS0635N	HBS, M6×35 (N)	1	
27	THS0630N	THS, M6×30 (N)	2	
29	HN06	HN, M6	8	
30	NTE06	NTE, M6	2	
33	SW06	SW, M6	12	
36	PW06A	PW, M6 (A)	2	
37	PW06C	PW, M6 (C)	6	



2-5**SAFETY GUARDS GROUP****M7-2-500200**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-2-503100	Safety Guards Plate (For Inside)	4	
2	M7-2-503200	Safety Guards, Front	2	
3	M7-2-503300	Safety Guards, Rear	2	
4	M7-2-503400	Safety Guards Plate (For Outside)	4	
10	LA-40160	Label	4	
20	THS0510N	THS, M5×10 (N)	16	
21	THS0512N	THS, M5×12 (N)	4	
22	THS0516N	THS, M5×16 (N)	36	
28	FLG05	FLG, M5	28	



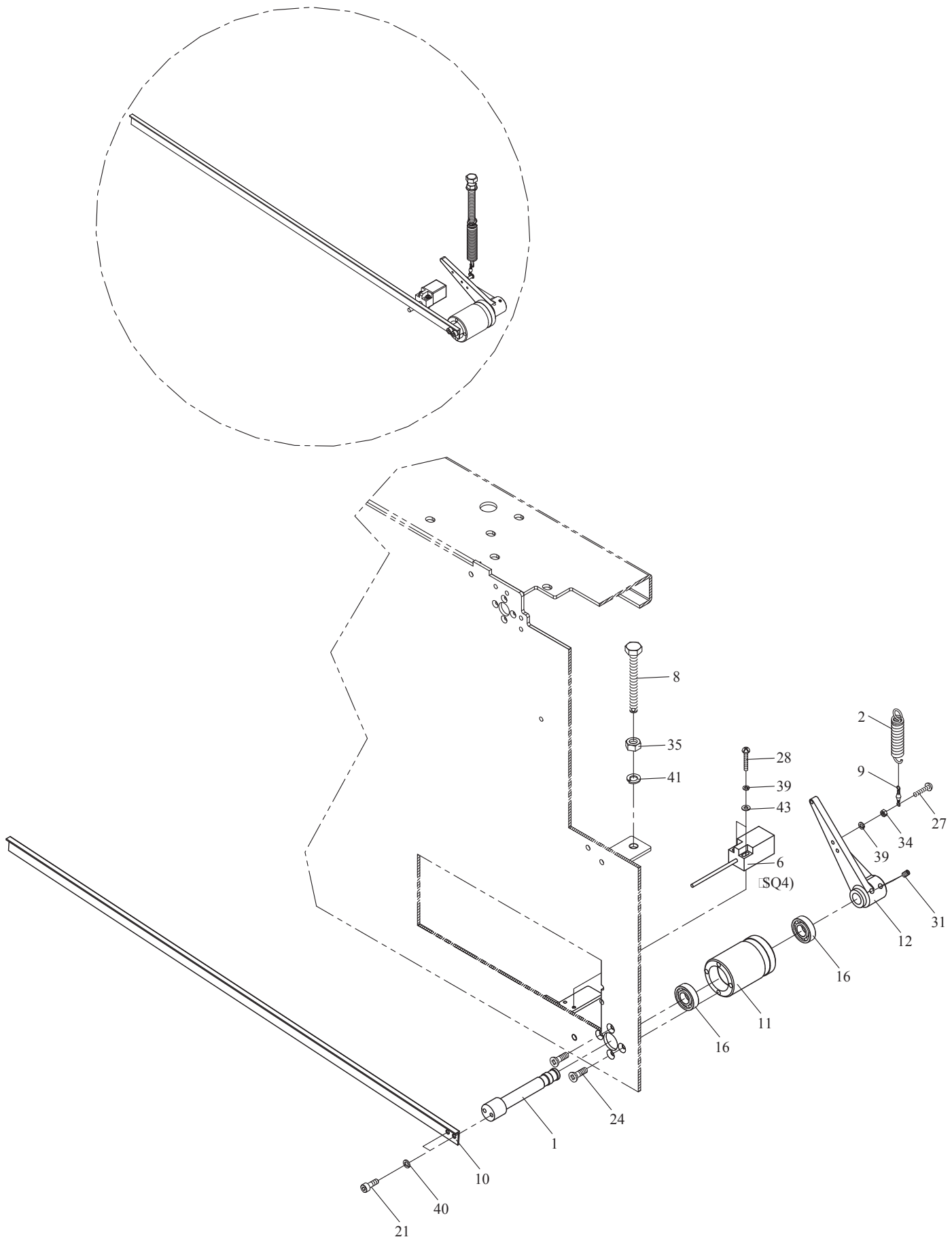
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-3-900500	Accumulator Unit (For 5-6mm, 1250W)	1	SEE PAGE C67
	M7-3-900510	Accumulator Unit (For 9mm, 1250W)	1	
	M7-3-900520	Accumulator Unit (For 5-6mm, 1650W)	1	
	M7-3-900530	Accumulator Unit (For 9mm, 1650W)	1	
	M7-3-100120	Strap Amount Control Group (For 5-6mm)	1	
	M7-3-100130	Strap Amount Control Group (For 9mm)	1	
2	M7-3-200300	Auto Strap Feeding Group (For 5-6mm, 1250W)	1	SEE PAGE C69
	M7-3-200310	Auto Strap Feeding Group (For 9mm, 1250W)	1	
	M7-3-200320	Auto Strap Feeding Group (For 5-6mm, 1650W)	1	
3	M7-3-200330	Auto Strap Feeding Group (For 9mm, 1650W)	1	SEE PAGE C81
	M7-3-300400	Accumulator Box Group (For 5-6mm, 1250W)	1	
	M7-3-300410	Accumulator Box Group (For 9mm, 1250W)	1	
	M7-3-300420	Accumulator Box Group (For 5-6mm, 1650W)	1	
	M7-3-300430	Accumulator Box Group (For 9mm, 1650W)	1	

3-1

STRAP AMOUNT CONTROL GROUP

M7-3-100120

M7-3-100130



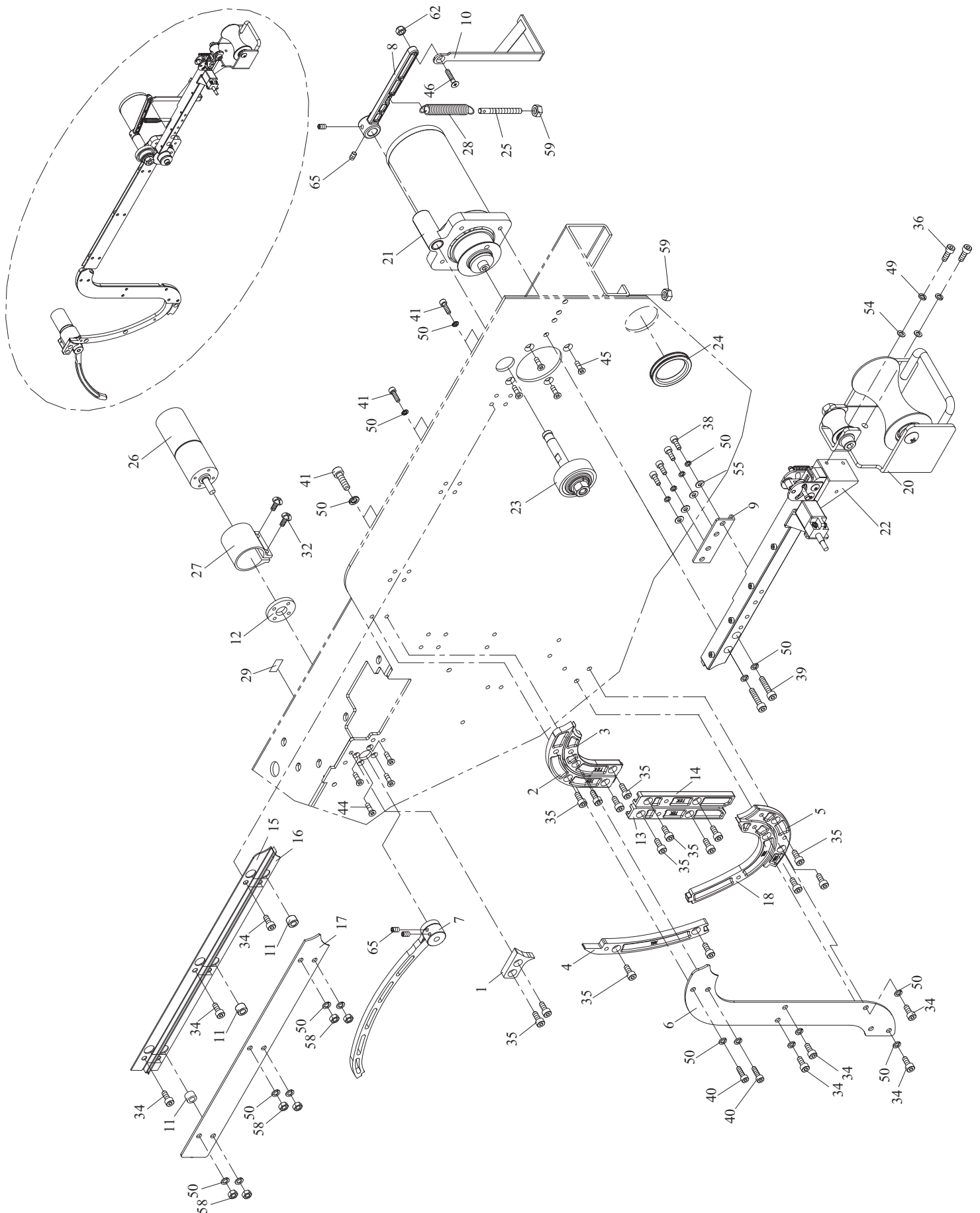
3-1

STRAP AMOUNT CONTROL GROUP

M7-3-100120

M7-3-100130

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1 2	M7-3-100120	Strap Amount Control Group (For 5-6mm)	1	SEE PAGE C111
	M7-3-100130	Strap Amount Control Group (For 9mm)	1	
	T7-3-10150	Shaft	1	
	M7-3-101200	Spring	1	
6	MV-6-20220	Proximity Sensor (SQ4)	1	
8	T6-3-10130	Accumulator Adjusting Bolt	1	
9	T6-3-10200	Twist Stopper	1	
10	M7-3-101310	Balance Bar (For 5-6mm)	1	
	M7-3-101320	Balance Bar (For 9mm)	1	
11	T7-3-10180	Tube	1	
12	T7-3-10200	Sensor Lever	1	
16	BR6900ZZ	Bearing, 6900ZZ	2	
21	HBS0412N	HBS, M4×12 (N)	2	
24	FMS0410N	FMS, M4×10 (N)	4	
27	PMS0316	PMS, M3×16	1	
28	PMS0320	PMS, M3×20	2	
31	HSS0405GN	HSS, M4×5 (G)(N)	2	
34	HN03	HN, M3	1	
35	HN08	HN, M8	1	
39	SW03	SW, M3	3	
40	SW04	SW, M4	2	
41	SW08	SW, M8	1	
43	PW03	PW,M3	2	



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-3-200300	Auto Strap Feeding Group (For 5-6mm, 1250W)	1	
	M7-3-200310	Auto Strap Feeding Group (For 9mm, 1250W)	1	
	M7-3-200320	Auto Strap Feeding Group (For 5-6mm, 1650W)	1	
	M7-3-200330	Auto Strap Feeding Group (For 9mm, 1650W)	1	
	M7-3-203300	Inlet Guide (For 5-6mm)	1	
	M7-3-203310	Inlet Guide (For 9mm)	1	
	M7-3-204101	Upper Strap Guide (A)(For 5-6mm)	1	
	M7-3-204111	Upper Strap Guide (A)(For 9mm)	1	
	M7-3-204201	Lower Strap Guide (A)(For 5-6mm)	1	
	M7-3-204211	Lower Strap Guide (A)(For 9mm)	1	
4	M7-3-203101	Upper Guide (A)(For 5-6mm)	1	
	M7-3-203111	Upper Guide (A)(For 9mm)	1	
5	M7-3-203200	Strap Guide (For 5-6mm)	1	
	M7-3-203210	Strap Guide (For 9mm)	1	
6	M7-3-204300	Strap Guide Cover	1	
7	M7-3-203400	Movable Strap Guide (For 5-6mm)	1	
	M7-3-203410	Movable Strap Guide (For 9mm)	1	
8	M7-3-201530	Lever	1	
9	M7-3-201800	Fixing Plate	1	
10	M7-3-205100	Lever	1	
11	MCO-A-0600680	Spacer (For 5-6mm, 1250W)	4	
		Spacer (For 5-6mm, 1650W)	6	
	MCO-A-0601200	Spacer (For 9mm, 1250W)	4	
		Spacer (For 9mm, 1650W)	6	
12	MWA-B-1210400	Washer	1	
13	M7-3-204400	Upper Strap Guide (B)(For 5-6mm)	1	
	M7-3-204410	Upper Strap Guide (B)(For 9mm)	1	
14	M7-3-204500	Lower Strap Guide (B)(For 5-6mm)	1	
	M7-3-204510	Lower Strap Guide (B)(For 9mm)	1	
15	M7-3-205200	Inlet Strap Guide Center Upper (For 5-6mm, 1250W)	1	
	M7-3-205210	Inlet Strap Guide Center Upper (For 9mm, 1250W)	1	
	M7-3-205220	Inlet Strap Guide Center Upper (For 5-6mm, 1650W)	1	
	M7-3-205230	Inlet Strap Guide Center Upper (For 9mm, 1650W)	1	

3-2
AUTO STRAP FEEDING
M7-3-200300
M7-3-200310

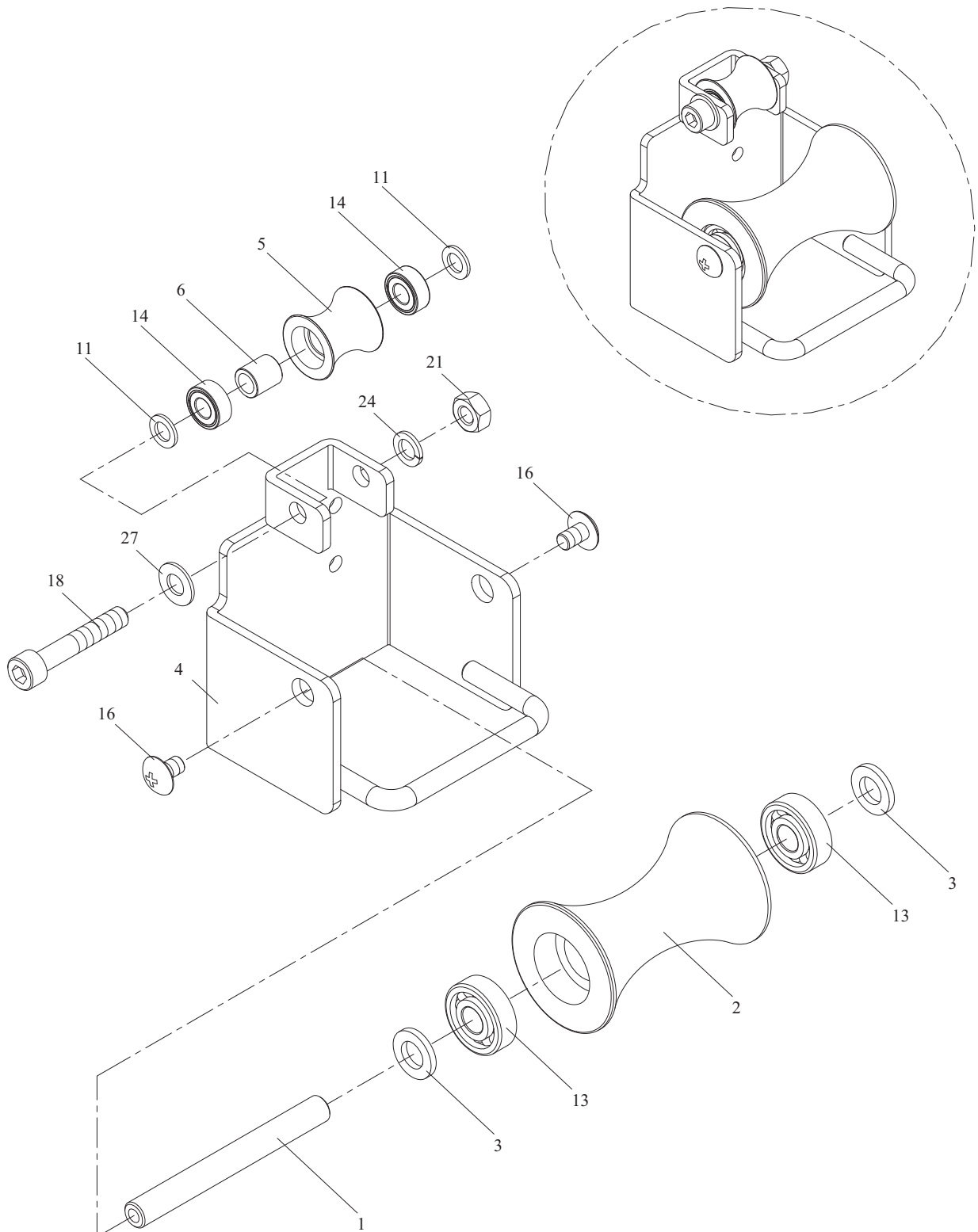
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
16	M7-3-205300	Inlet Strap Guide Center Lower (For 5-6mm, 1250W)	1	
	M7-3-205310	Inlet Strap Guide Center Lower (For 9mm, 1250W)	1	
	M7-3-205320	Inlet Strap Guide Center Lower (For 5-6mm, 1650W)	1	
	M7-3-205330	Inlet Strap Guide Center Lower (For 9mm, 1650W)	1	
17	M7-3-205400	Strap Guide Cover (For 1250W)	1	
	M7-3-205410	Strap Guide Cover (For 1650W)	1	
18	M7-3-203600	Upper Guide (B)(For 5-6mm)	1	
	M7-3-203610	Upper Guide (B)(For 9mm)	1	
20	M7-3-210011	Roller Ass'y	1	SEE PAGE C73
21	M7-3-230000	M4 Motor Ass'y (For 5-6mm)	1	SEE PAGE C75
	M7-3-230010	M4 Motor Ass'y (For 9mm)	1	
22	M7-3-240030	Inlet Strap Guide Ass'y (For 5-6mm)	1	SEE PAGE C77
	M7-3-240040	Inlet Strap Guide Ass'y (For 9mm)	1	
23	T7-3-20080	Assistant Roller Shaft Ass'y (For 5-6mm)	1	SEE PAGE C79
	T7-3-20081	Assistant Roller Shaft Ass'y (For 9mm)	1	
24	T6-5-10200	Grommet	1	
25	M7-1-331500	Spring Hook	1	
26	T6-1-61211	Motor (M5)	1	
27	T6-8-10410	Motor Cover	1	
28	T7-1-70280	Spring	1	
29	LA-50057	Label	1	
32	TMS0408N	TMS, M4×8 (N)	2	
34	HBS0508N	HBS, M5×8 (N)(For 1250W)	8	
		HBS, M5×8 (N)(For 1650W)	10	
35	HBS0508N	HBS, M5×8 (N)(For 5-6mm)	15	
	HBS0512N	HBS, M5×12 (N)(For 9mm)	15	
36	HBS0412N	HBS, M4×12 (N)	2	
38	HBS0512N	HBS, M5×12 (N)	4	
39	HBS0520N	HBS, M5×20 (N)	2	
40	HBS0516N	HBS, M5×16 (N)(For 5-6mm)	2	
	HBS0520N	HBS, M5×20 (N)(For 9mm)	2	

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
41	HBS0520N	HBS, M5×20 (N)(For 5-6mm, 1250W)	4	
		HBS, M5×20 (N)(For 5-6mm, 1650W)	6	
	HBS0525N	HBS, M5×25 (N)(For 9mm, 1250W)	4	
		HBS, M5×25 (N)(For 9mm, 1650W)	6	
44	FMS0315N	FMS, M3×15 (N)	4	
45	FMS0512N	FMS, M5×12 (N)	4	
46	FMS0415	FMS, M4×15	1	
49	SW04	SW, M4	2	
50	SW05	SW, M5 (For 1250W)	20	
		SW, M5 (For 1650W)	24	
54	PW04	PW, M4	2	
55	PW05	PW, M5	4	
58	HN05	HN, M5 (For 1250W)	4	
		HN, M5 (For 1650W)	6	
59	HN06	HN, M6	2	
62	NTE04	NTE, M4	1	
65	HSS0506GN	HSS, M5×6 (G)(N)	4	

3-2-1

ROLLER ASS'Y

M7-3-210011



3-2-1**ROLLER ASS'Y****M7-3-210011**

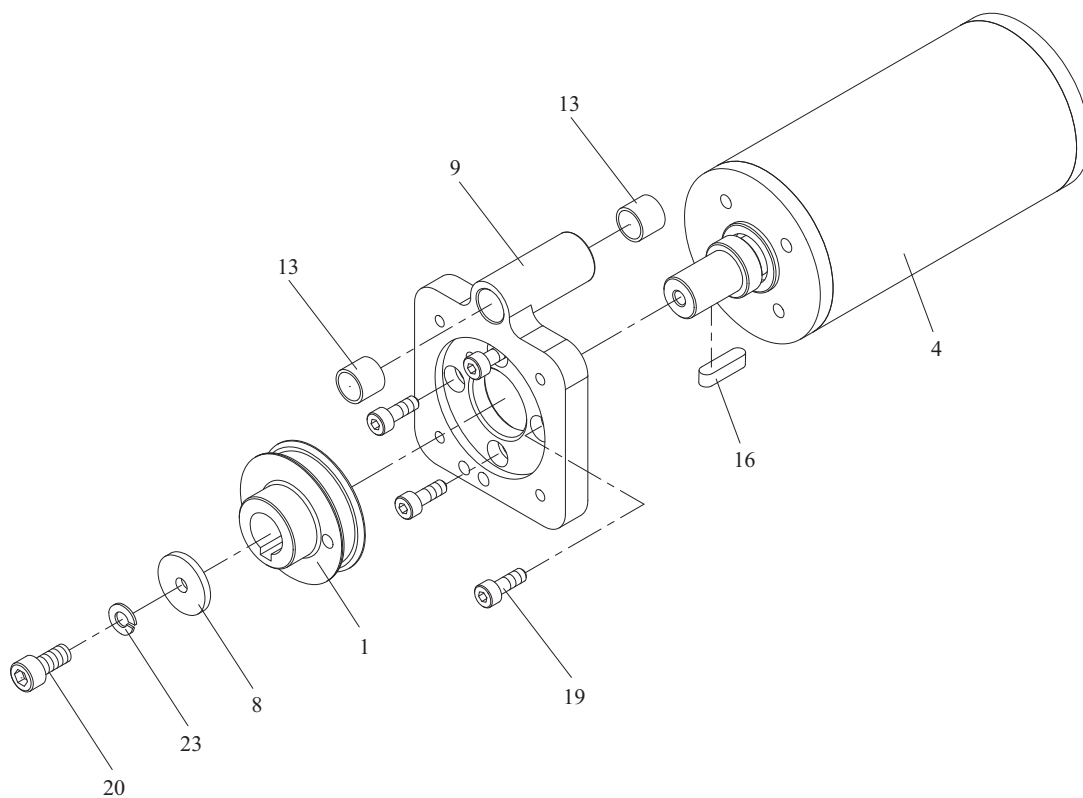
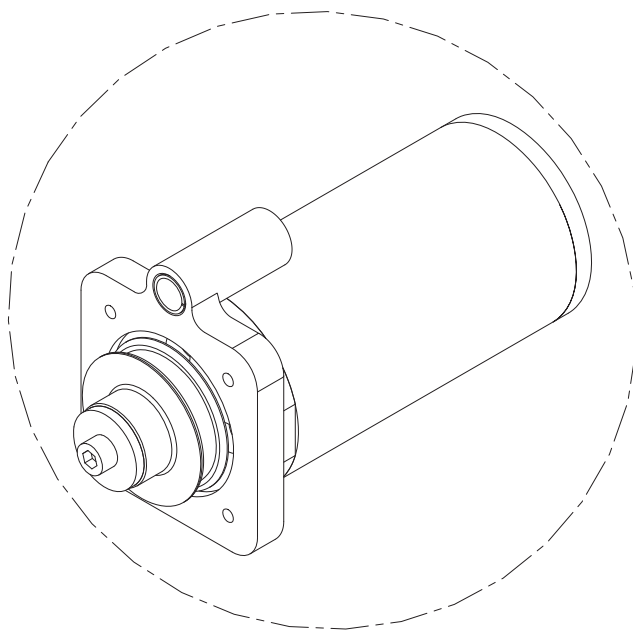
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	T7-3-10220	Shaft	1	
2	T7-3-10230	Roller	1	
3	MCO-A-0850300	Spacer	2	
4	M7-3-211400	Roller Support	1	
5	M7-3-211200	Roller	1	
6	M7-3-211300	Collar	1	
11	H44-10950	Washer	2	
13	BR608ZZ	Bearing, 608ZZ	2	
14	BR686ZZ	Bearing, 686ZZ	2	
16	TMS0508N	TMS, M5×8 (N)	2	
18	HBS0635HN	HBS, M6×35 (H)(N)	1	
21	HN06	HN, M6	1	
24	SW06	SW, M6	1	
27	PW06A	PW, M6 (A)	1	

3-2-2

M4 MOTOR ASS'Y

M7-3-230000

M7-3-230010



3-2-2**M4 MOTOR ASS'Y****M7-3-230000****M7-3-230010**

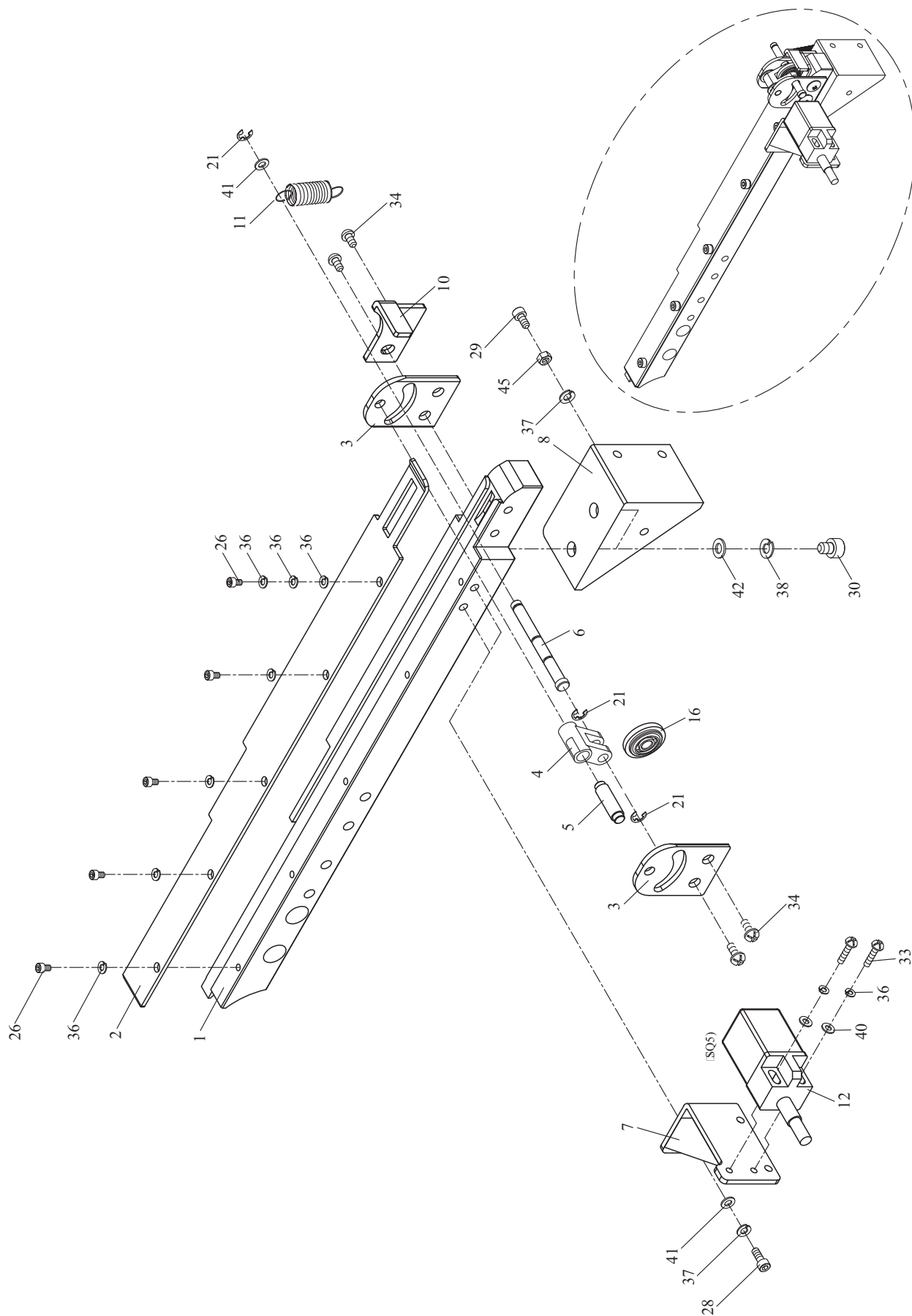
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-3-230000	M4 Motor Ass'y (For 5-6mm)	1	
	M7-3-230010	M4 Motor Ass'y (For 9mm)	1	
	M7-3-231101	Accumulator Main Roller (For 5-6mm)	1	
	M7-3-231111	Accumulator Main Roller (For 9mm)	1	
4	M7-3-230100	M4 Motor Set	1	
8	TB-223	Washer	1	
9	T7-3-20110	Motor Support	1	
13	MB1010	Metal Bushing, 1010	2	
16	KYA050515	Key, 5×5×15	1	
19	HBS0512N	HBS, M5×12 (N)	4	
20	HBS0612N	HBS, M6×12 (N)	1	
23	SW06	SW, M6	1	

3-2-3

INLET STRAP GUIDE ASS'Y

M7-3-240030

M7-3-240040



3-2-3
INLET STRAP GUIDE ASS'Y
M7-3-240030
M7-3-240040

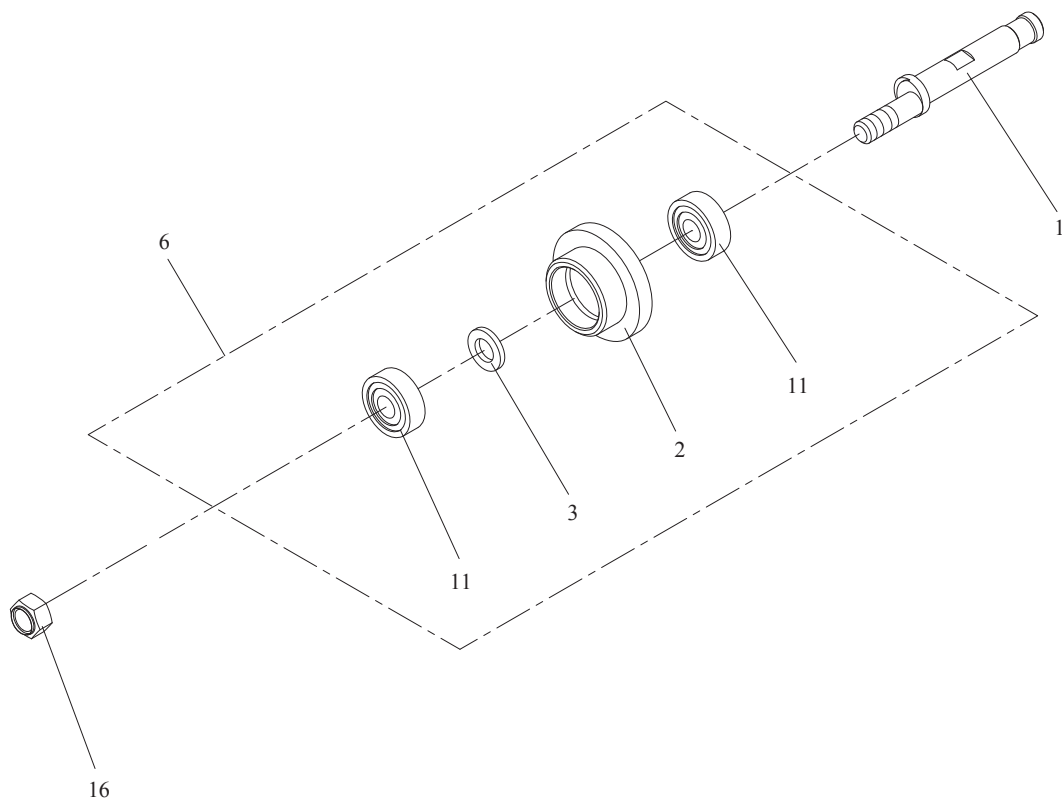
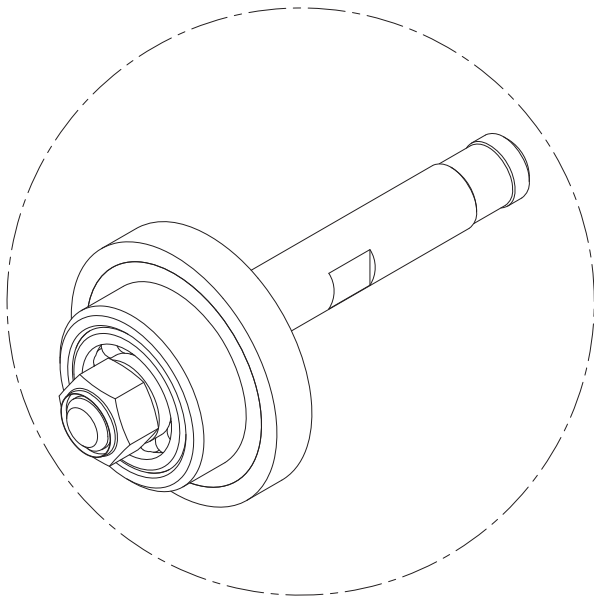
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	M7-3-240030	Inlet Strap Guide Ass'y (For 5-6mm)	1	
	M7-3-240040	Inlet Strap Guide Ass'y (For 9mm)	1	
1	M7-3-242100	Inlet Guide (For 5-6mm)	1	
	M7-3-242110	Inlet Guide (For 9mm)	1	
2	M7-3-242200	Cover	1	
3	M7-3-241300	Sensor Lever Support	2	
4	M7-3-241402	Sensor Lever	1	
5	M7-3-241501	Shaft	1	
6	M7-3-242300	Shaft	1	
7	M7-3-242401	Sensor Bracket	1	
8	M7-3-241800	Bracket	1	
10	M7-3-313410	Cover Protect	1	
11	M7-3-313200	Spring	1	
12	MV-6-20220	Proximity Sensor (X18)(SQ5)	1	SEE PAGE C111
16	M7-3-313101	Roller	1	
21	ER03	Snap Ring, E-3	3	
26	HBS0306N	HBS, M3×6 (N)	5	
28	HBS0412N	HBS, M4×12 (N)	2	
29	HBS0420N	HBS, M4×20 (N)	1	
30	HBS0512N	HBS, M5×12 (N)	2	
33	PMS0320	PMS, M3×20	2	
34	TMS0408N	TMS, M4×8 (N)	4	
36	SW03	SW, M3	9	
37	SW04	SW, M4	3	
38	SW05	SW, M5	2	
40	PW03	PW, M3	2	
41	PW04	PW, M4	3	
42	PW05	PW, M5	2	
45	HN04	HN, M4	1	

3-2-4

ASSISTANT ROLLER SHAFT ASS'Y

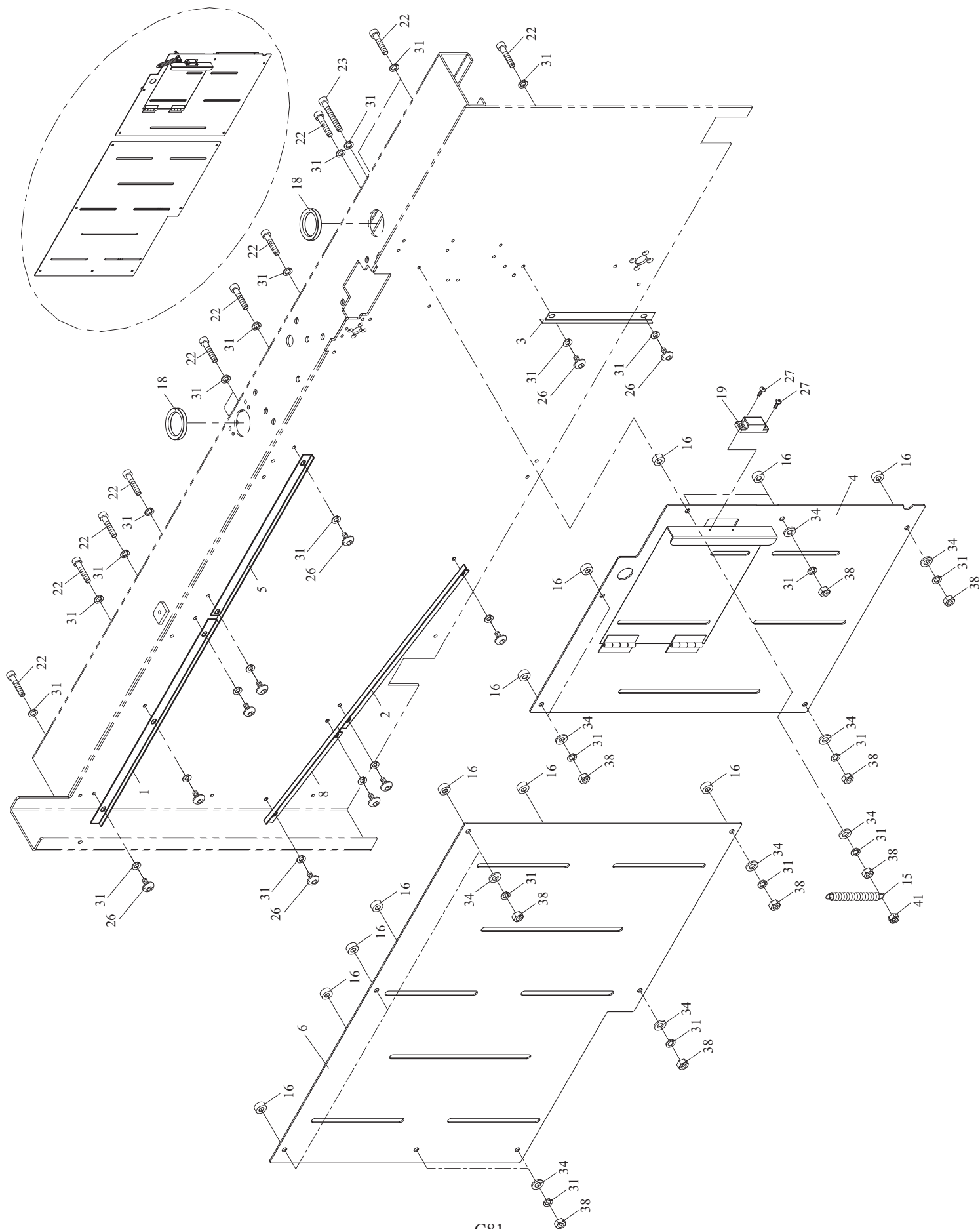
T7-3-20080

T7-3-20081



3-2-4**ASSISTANT ROLLER SHAFT ASS'Y****T7-3-20080****T7-3-20081**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	T7-3-20080	Assistant Roller Shaft Ass'y (For 5-6mm)	1	
	T7-3-20081	Assistant Roller Shaft Ass'y (For 9mm)	1	
	T7-3-20150	Shaft	1	
	T7-3-20160	Assistant Roller (For 5-6mm)	1	
	T7-3-20162	Assistant Roller (For 9mm)	1	
2	T7-3-20200	Spacer	1	
3				
6	T7-3-20100	Assistant Roller Ass'y (For 5-6mm)	1	
	T7-3-20101	Assistant Roller Ass'y (For 9mm)	1	
11				
	BR608ZZ	Bearing, 608ZZ	2	
16				
	NTE08	NTE, M8	1	



3-3

ACCUMULATOR BOX

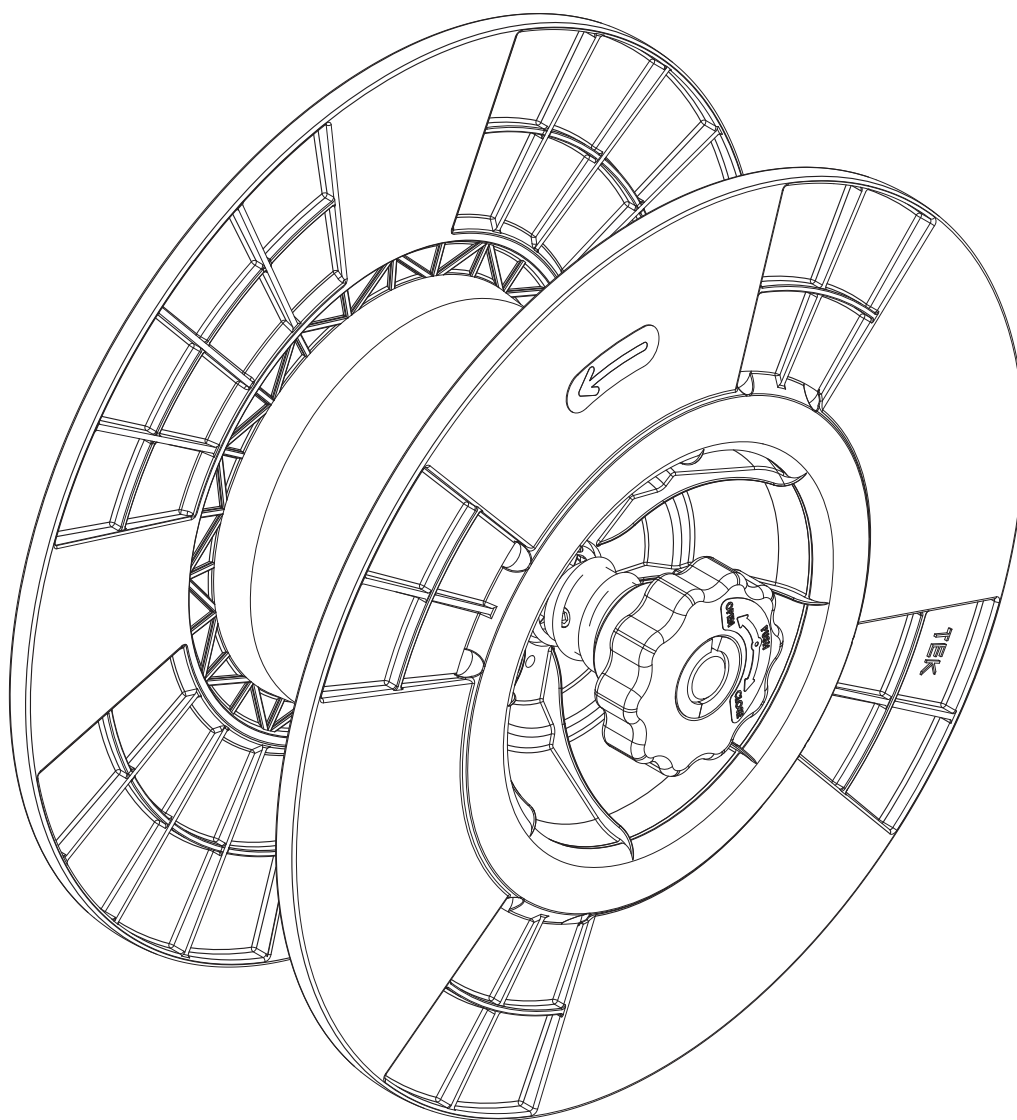
M7-3-300400

M7-3-300410

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-3-300400	Accumulator Box Group (For 5-6mm, 1250W)	1	
	M7-3-300410	Accumulator Box Group (For 9mm, 1250W)	1	
	M7-3-300420	Accumulator Box Group (For 5-6mm, 1650W)	1	
	M7-3-300430	Accumulator Box Group (For 9mm, 1650W)	1	
	M7-3-301820	Enclosed Plate (For 5-6mm, 1250W)	1	
	M7-3-301830	Enclosed Plate (For 9mm, 1250W)	1	
	M7-3-301600	Enclosed Plate (For 5-6mm, 1650W)	1	
	M7-3-301610	Enclosed Plate (For 9mm, 1650W)	1	
	M7-3-301200	Enclosed Plate (For 5-6mm, 1250W)	1	
	M7-3-301210	Enclosed Plate (For 9mm, 1250W)	1	
	M7-3-301220	Enclosed Plate (For 5-6mm, 1650W)	1	
	M7-3-301230	Enclosed Plate (For 9mm, 1650W)	1	
	M7-3-301820	Enclosed Plate (For 5-6mm)	1	
	M7-3-301830	Enclosed Plate (For 9mm)	1	
	M7-3-305300	Accumulator Box Cover, Right	1	
5	M7-3-301220	Enclosed Plate (For 5-6mm, 1250W/1650W)	1	
	M7-3-301230	Enclosed Plate (For 9mm, 1250W/1650W)	1	
	M7-3-305400	Accumulator Box Cover, Left (For 1250W)	1	
6	M7-3-305410	Accumulator Box Cover, Left (For 1650W)	1	
8	M7-3-301820	Enclosed Plate (For 5-6mm, 1650W)	1	
	M7-3-301830	Enclosed Plate (For 9mm, 1650W)	1	
15	TC-025	Spring	1	
16	T7-3-10260	Collar (For 5-6mm)	13	
	T7-3-10262	Collar (For 9mm)	13	
18	T6-5-10200	Grommet	2	
19	T6-3-20520	Magnet Catch	1	
22	HBS0625N	HBS, M6×25 (N)(For 5-6mm)	12	
	HBS0630N	HBS, M6×30 (N)(For 9mm)	12	
23	HBS0640N	HBS, M6×40 (N)	1	
26	THS0608N	THS, M6×8 (N)(For 1250W/1650W)	11	

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
27	TMS0308N	TMS, M3×8 (N)	2	
31	SW06	SW, M6 (For 1250W/1650W)	35	
34	PW06A	PW, M6 (A)	13	
38	HN06	HN, M6	13	
41	NTE06	NTE, M6	1	





4

REEL CONTROL GROUP

M7-4-100060

M7-4-100070

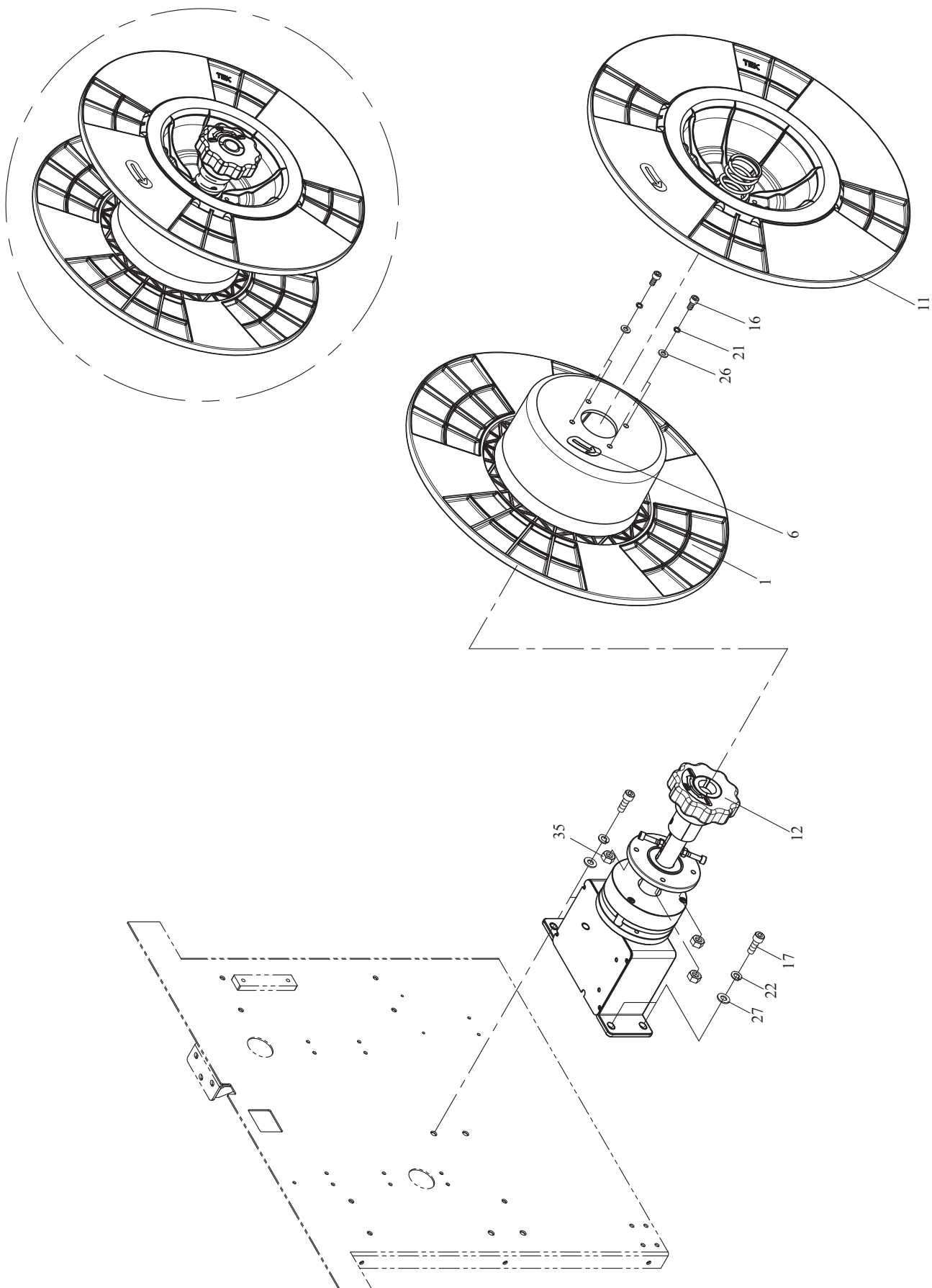
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	M7-4-100060	Reel Control Group (For 200mm)	1	
	M7-4-100070	Reel Control Group (For 150mm)(Option)	1	

4-1

REEL CONTROL GROUP

M7-4-100060

M7-4-100070

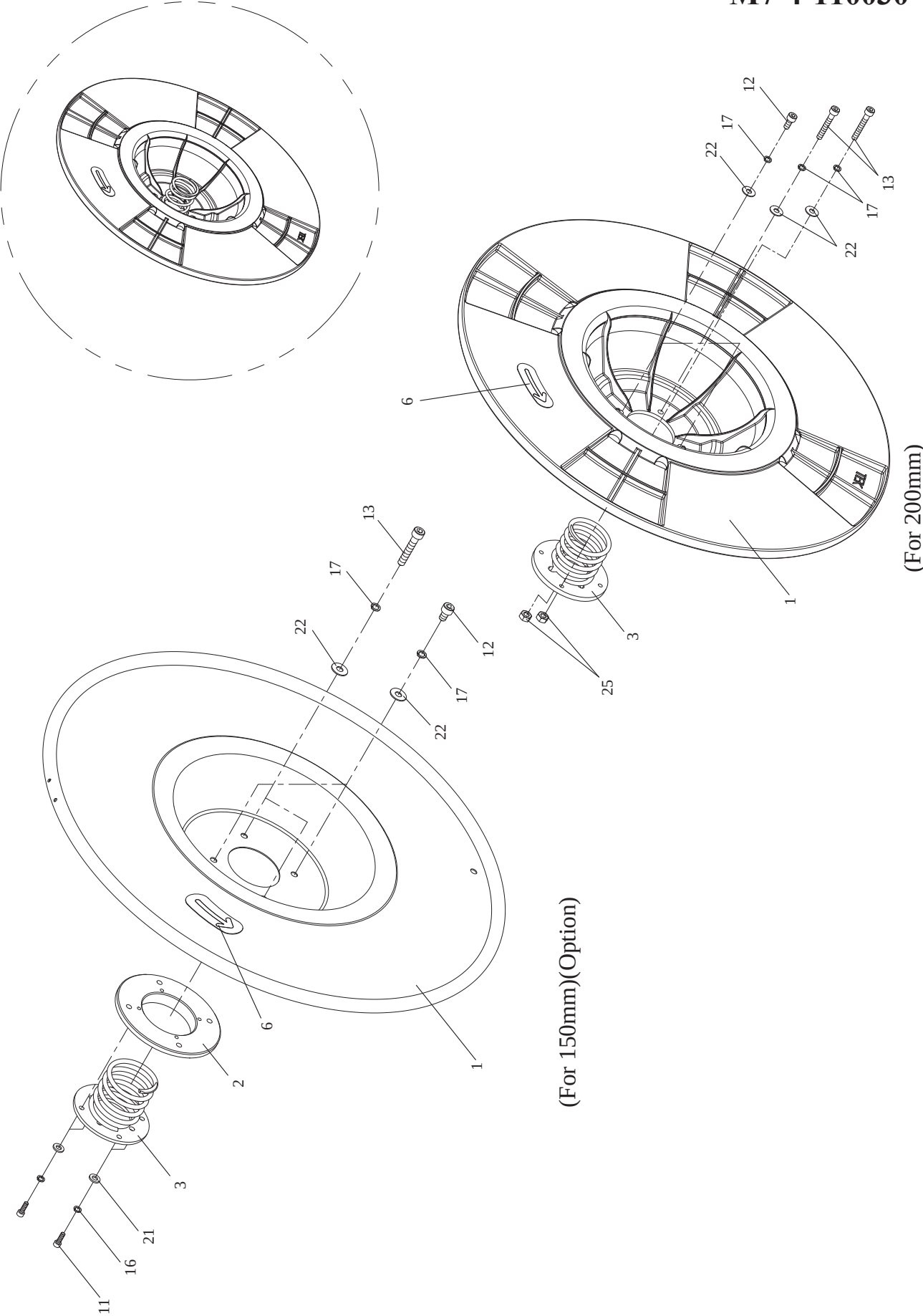


REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-4-100060	Reel Control Group (For 200mm)	1	
	M7-4-100070	Reel Control Group (For 150mm)(Option)	1	
	M7-4-101103	Inner Flange (For 200mm)	1	
	T7-4-10112	Inner Flange (For 150mm)(Option)	1	
6	LA-30200	Label	1	
11	M7-4-110021	Outer Flange Ass'y (For 200mm)	1	SEE PAGE C89
	M7-4-110030	Outer Flange Ass'y (For 150mm)(Option)	1	
12	M7-4-120060	Reel Crank Ass'y (For 200mm)	1	SEE PAGE C91
	M7-4-120070	Reel Crank Ass'y (For 150mm)(Option)	1	
16	HBS0616N	HBS, M6×16 (N)	4	
17	HBS0825N	HBS, M8×25 (N)	4	
21	SW06	SW, M6	4	
22	SW08	SW, M8	4	
26	PW06A	PW, M6 (A)	4	
27	PW08C	PW, M8 (C)	4	
35	HN06	HN, M6	4	

4-1-1

OUTER FLANGE ASS'Y

M7-4-110021
M7-4-110030



4-1-1
OUTER FLANGE ASS'Y
M7-4-110021
M7-4-110030

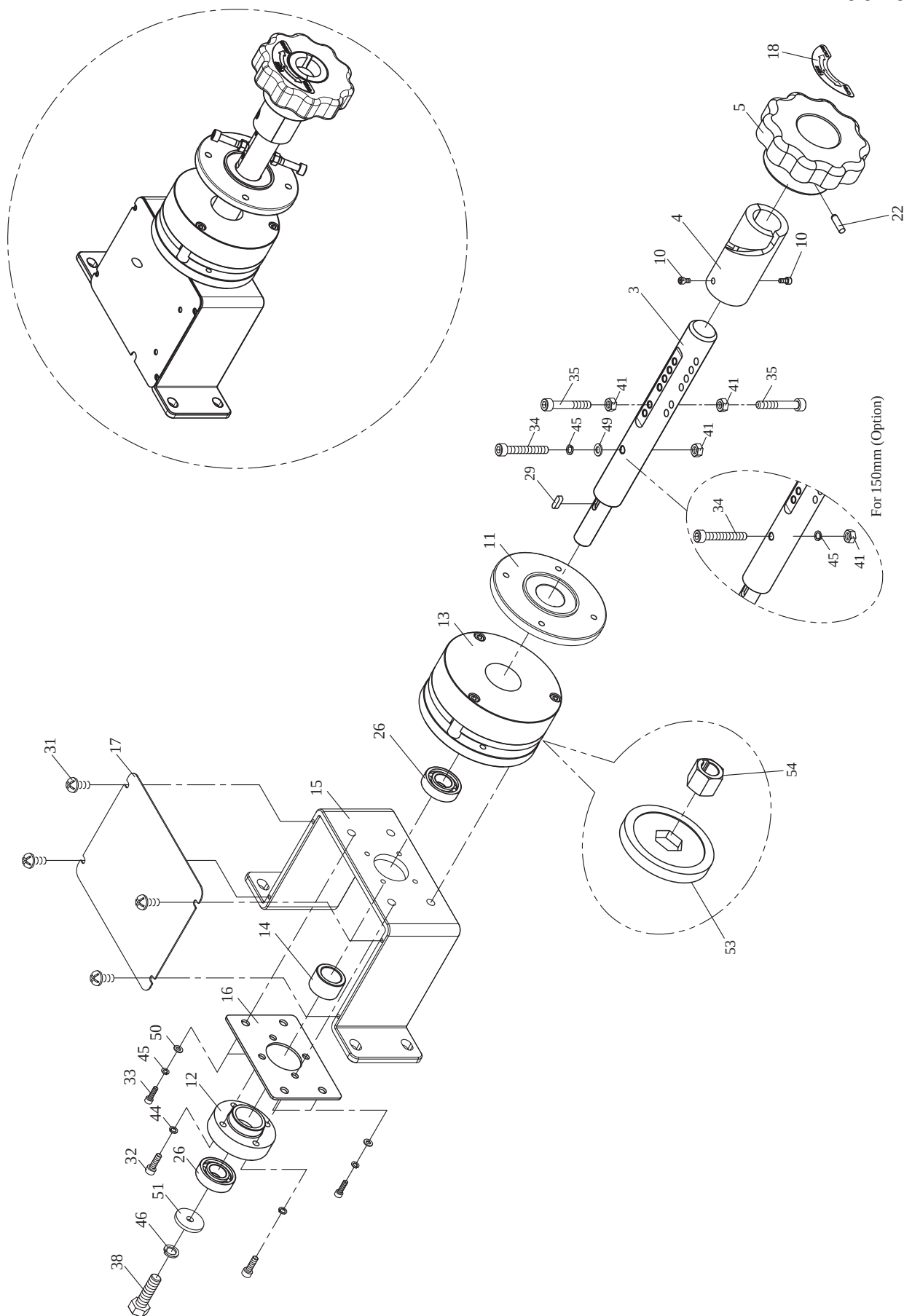
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-4-110021	Outer Flange Ass'y (For 200mm)	1	
	M7-4-110030	Outer Flange Ass'y (For 150mm)(Option)	1	
	M7-4-111102	Outer Flange (For 200mm)	1	
	T7-4-10122	Outer Flange (For 150mm)(Option)	1	
2	M7-4-111200	Plate (For 150mm)(Option)	1	
3	M7-4-111310	Spring (For 200mm)	1	
	M7-4-111300	Spring (For 150mm)(Option)	1	
6	LA-30200	Label	1	
11	HBS0416N	HBS, M4×16 (N)(For 150mm)(Option)	4	
12	HBS0512N	HBS, M5×12 (N)(For 200mm)	2	
	HBS0610N	HBS, M6×10 (N)(For 150mm)(Option)	2	
13	HBS0530N	HBS, M5×30 (N)(For 200mm)	2	
	HBS0640N	HBS, M6×40 (N)(For 150mm)(Option)	2	
16	SW04	SW, M4 (For 150mm)(Option)	4	
17	SW05	SW, M5 (For 200mm)	4	
	SW06	SW, M6 (For 150mm)(Option)	4	
21	PW04	PW, M4 (For 150mm)(Option)	4	
22	PW05B	PW, M5 (B)(For 200mm)	4	
	PW06B	PW, M6 (B)(For 150mm)(Option)	4	
25	HN05	HN, M5 (Only 200mm)	2	

4-1-2

REEL CRANK ASS'Y

M7-4-120060

M7-4-120070



4-1-2
REEL CRANK ASS'Y
M7-4-120060
M7-4-120070

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
3	M7-4-120060	Reel Crank Ass'y (For 200mm)	1	
	M7-4-120070	Reel Crank Ass'y (For 150mm)(Option)	1	
	M7-4-121321	Shaft (For 200mm)	1	
	M7-4-121331	Shaft (For 150mm)(Option)	1	
4	M7-4-121401	Shaft	1	
5	M7-4-121500	Reel Nut Handle	1	
10	M7-4-122000	Screw, M6×8	2	
11	M7-4-122100	Plate (For 200mm)	1	
	T7-4-10140	Plate (For 150mm)(Option)	1	
12	T7-4-20160	Bearing Support	1	
13	T7-4-20170	Brake For Reel	1	
14	T7-4-20320	Spacer	1	
15	M7-4-123100	Support	1	
16	T7-4-20250	Washer	1	
17	M7-4-123200	Cover	1	
18	LA-30230	Label	1	
22	MSA0620	Lock Pin, ϕ 6×20	1	
26	BR6002ZZ	Bearing, 6002ZZ	2	
29	KYA050515	Key, 5×5×15	1	
31	HBS0408N	HBS, M4×08 (N)	4	
32	HBS0516N	HBS, M5×16 (N)	4	
33	HBS0620N	HBS, M6×20 (N)	4	
34	HBS0645N	HBS, M6×45 (N)	1	
35	HBS0640HN	HBS, M6×40 (H)(N)	2	
38	HB0820L	HB, M8×20 (L)	1	
41	HN06	HN, M6	3	
43	SW04	SW, M4	4	
44	SW05	SW, M5	4	
45	SW06	SW, M6	5	

4-1-2

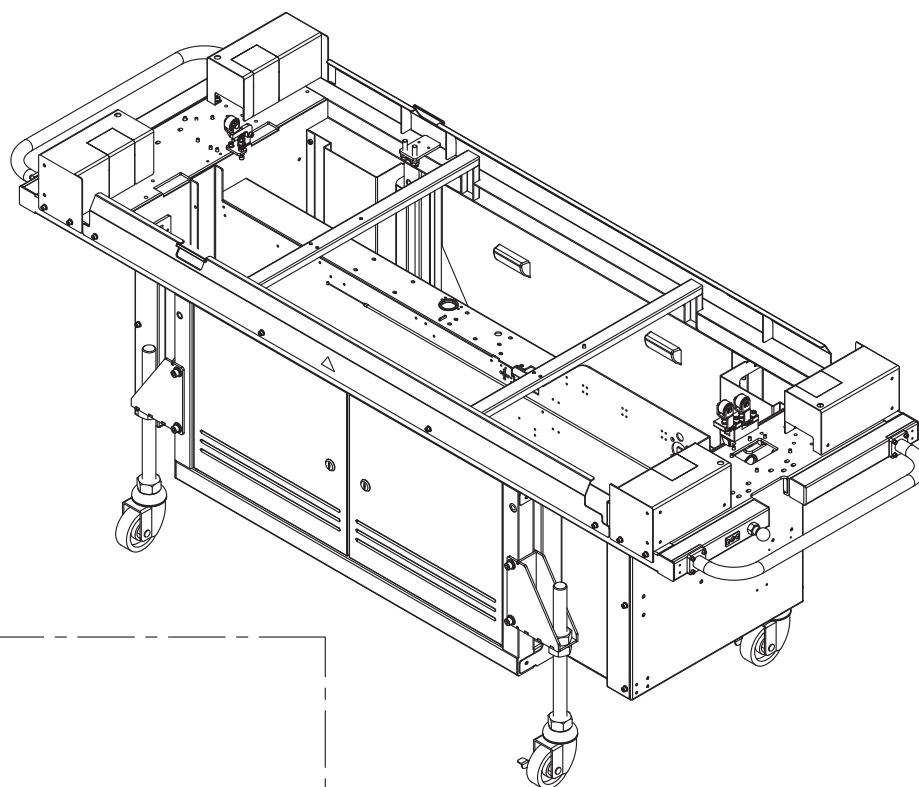
REEL CRANK ASS'Y

M7-4-120060

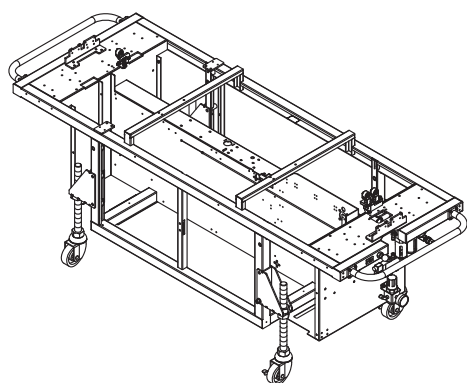
M7-4-120070

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
46	SW08	SW, M8	1	
48	PW04	PW, M4	4	
49	PW06A	PW, M6 (A)(Only 200mm)	1	
50	PW06C	PW, M6 (C)	4	
51	PW08C	PW, M8 (C)	1	
53	T7-4-20330	Lining	1	
54	T7-4-20340	Hex. Nut	1	

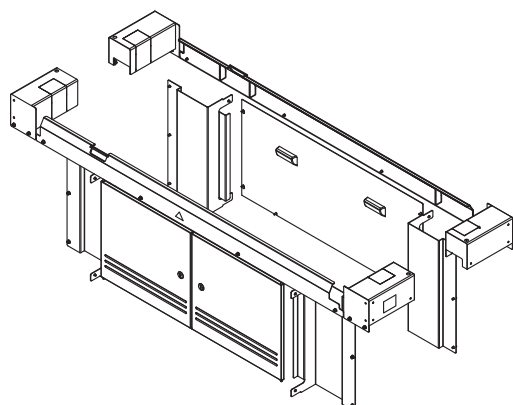




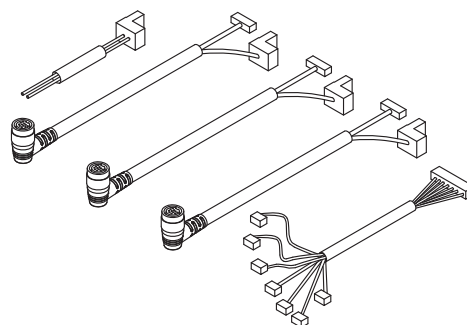
1



2



3



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-5-904000	Body Frame Unit (For 220V, 1250W)	1	SEE PAGE C97
	M7-5-904010	Body Frame Unit (For 220V, 1650W)	1	
	M7-5-904030	Body Frame Unit (For 400V, 1250W)	1	
	M7-5-904040	Body Frame Unit (For 400V, 1650W)	1	
	M7-5-100800	Body Frame Group (For 220V, 1250W)	1	
	M7-5-100810	Body Frame Group (For 220V, 1650W)	1	
	M7-5-100830	Body Frame Group (For 400V, 1250W)	1	
	M7-5-100840	Body Frame Group (For 400V, 1650W)	1	
	M7-5-200601	Cover Group (For 1250W)	1	
	M7-5-200611	Cover Group (For 1650W)	1	
2				SEE PAGE C109
3	M7-5-300300	Wires Group (For 1250W/1650W)	1	SEE PAGE C111

5-1
BODY FRAME GROUP

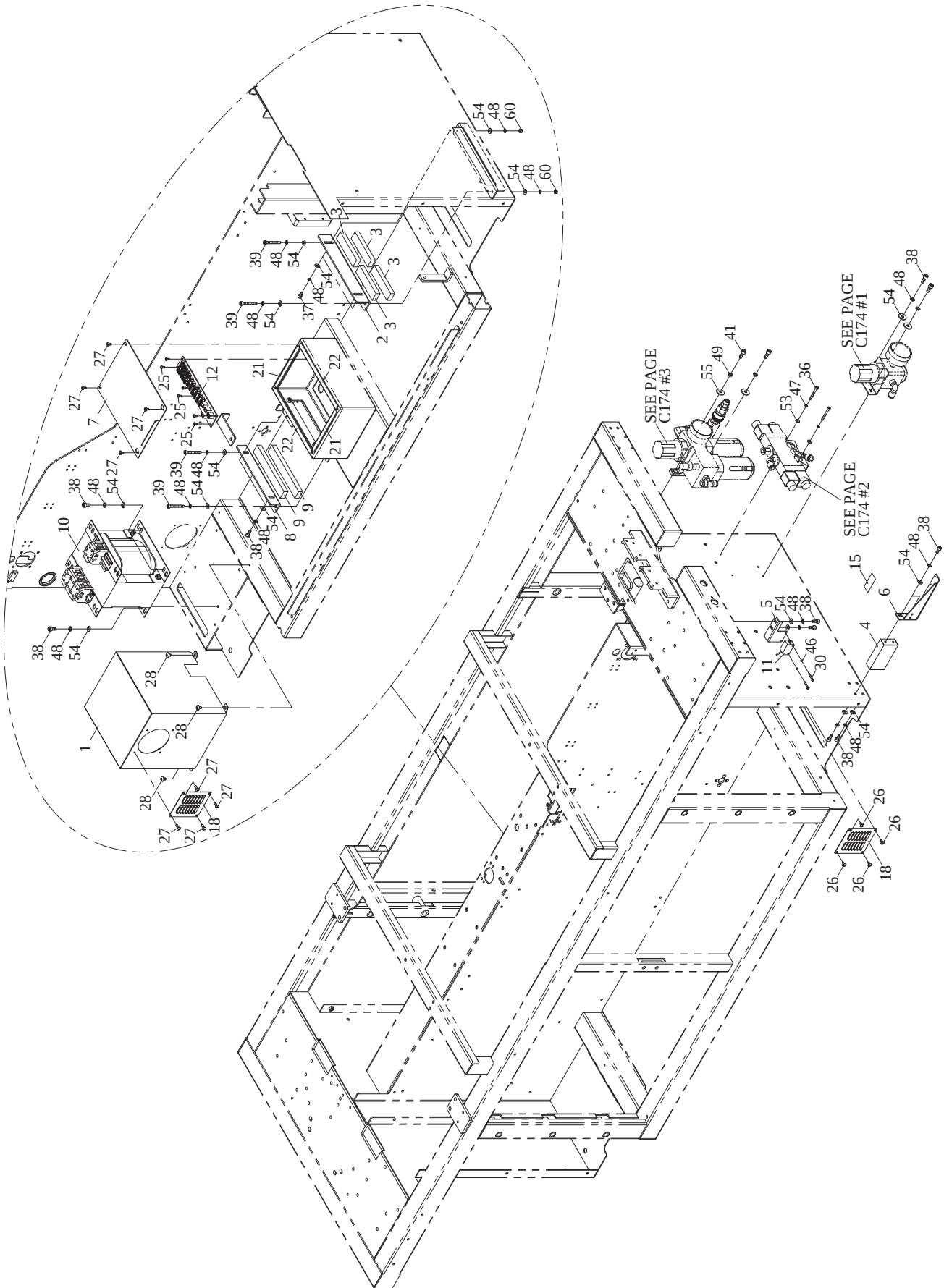
M7-5-100800
M7-5-100810
(1 OF 2)

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-5-100800	Body Frame Group (For 220V, 1250W)	1	
	M7-5-100810	Body Frame Group (For 220V, 1650W)	1	
	M7-5-100830	Body Frame Group (For 400V, 1250W)	1	
	M7-5-100840	Body Frame Group (For 400V, 1650W)	1	
	M7-5-502100	Body Frame (For 1250W)	1	
	M7-5-502110	Body Frame (For 1650W)	1	
2	M7-5-502200	Machinery Pad Socket	4	
3	M7-5-502300	Arch Support LH	1	
4	M7-5-502400	Caster (Brake)	2	
5	M7-5-502500	Caster (Free)	2	
6	M7-5-502600	Plate	1	
7	M7-5-502700	Bracket	1	
10	M7-5-510000	Transmissive Roller Ass'y	1	SEE PAGE C105
11	M7-5-610000	Transmissive Roller Ass'y	2	SEE PAGE C107
14	T7-2-10280	Block	1	
15	T6-5-10200	Grommet	2	
16	T7-5-42930	Pull Knob	1	
17	T7-5-42941	Tube Support	1	
18	T7-5-42951	Pull Rod	1	
19	T7-5-50150	Protect Arm	2	
20	T7-5-50375	Wire Rope (For 1250W)	1	
	T7-5-50373	Wire Rope (For 1650W)	1	
21	TA-088	Seal (Small)	1	
22	T7-5-42980	Washer	1	
23	LA-30220	Label	1	
25	H45-60161	Push Button	1	
28	TMS0508N	TMS, M5×8 (N)	2	
30	HSS0405GN	HSS, M4×5 (G)(N)	1	
33	HB1040	HB, M10×40	4	
35	HBS0512N	HBS, M5×12 (N)	3	
36	HBS0520N	HBS, M5×20 (N)	16	
37	HBS0612N	HBS, M6×12 (N)(For 1250W/1650W)	2	
38	HBS0616N	HBS, M6×16 (N)(For 1250W/1650W)	8	
39	HBS0825N	HBS, M8×25 (N)	4	

5-1**BODY FRAME GROUP****M7-5-100800
M7-5-100810
(1 OF 2)**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
40	HBS1080HN	HBS, M10×80 (H)(N)	8	
41	HBS0620N	HBS, M6×20 (N)(For 1250W/1650W)	8	
42	HBS0630N	HBS, M6×30 (N)	2	
43	HBS0816N	HBS, M8×16 (N)	4	
45	SW05	SW, M5	19	
46	SW06	SW, M6 (For 1250W/1650W)	22	
47	SW08	SW, M8	8	
48	SW10	SW, M10	8	
51	PW05	PW, M5	3	
52	PW06A	PW, M6 (A)	12	
53	PW06C	PW, M6 (C)(For 1250W/1650W)	8	
54	PW08A	PW, M8 (A)	8	
55	PW10	PW, M10	16	
58	HN06	HN, M6 (For 1250W/1650W)	2	
59	HN10	HN, M10	12	
60	HN30	HN, M30	4	





5-1

BODY FRAME GROUP

M7-5-100800
M7-5-100810
(2 OF 2)

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-5-502800	Transformer Cover (Only 400V)	1	SEE PAGE C111 SEE PAGE C111
2	M7-5-502900	Clamp	1	
3	M7-5-503000	Foam Rubber	4	
4	M7-5-503100	Bracket (Option)	1	
5	M7-5-503201	Strap Detect Base (Option)	1	
6	M7-5-108800	Strap Detect Base (Option)	1	
7	M7-3-302600	Cover	1	
8	M7-6-202100	Clamp	1	
9	M7-6-202300	Foam Rubber	2	
10	M7-6-203100	Transformer (Only 400V)	1	
11	M7-6-301300	Photo Eye (PH3)(Option)	1	
12	M7-6-301400	Converting Plate	1	
15	LA-50527	Sensor Reflector	1	
18	T7-6-10931	Fan Cover (For 400V)	2	
		Fan Cover (For 220V)	1	
21	FR-12013700	Foam Rubber	2	
22	FR-12021000	Foam Rubber	2	
25	TMS0308N	TMS, M3×8 (N)	6	
26	TMS0408N	TMS, M4×8 (N)	8	
27	TMS0412N	TMS, M4×12 (N)(Only 400V)	4	
28	TMS0508N	TMS, M5×8 (N)(Only 400V)	4	
30	PMS0320	PMS, M3×20 (Option)	2	
36	HBS0435HN	HBS, M4×35 (H)(N)	2	
37	HBS0510N	HBS, M5×10 (N)	2	
38	HBS0512N	HBS, M5×12 (N)	8	
		HBS, M5×12 (N)(Option)	14	
39	HBS0540N	HBS, M5×40 (N)	4	
41	HBS0616N	HBS, M6×16 (N)	2	
46	SW03	SW, M3 (Option)	2	
47	SW04	SW, M4	2	
48	SW05	SW, M5	16	
		SW, M5 (Option)	22	
49	SW06	SW, M6	2	

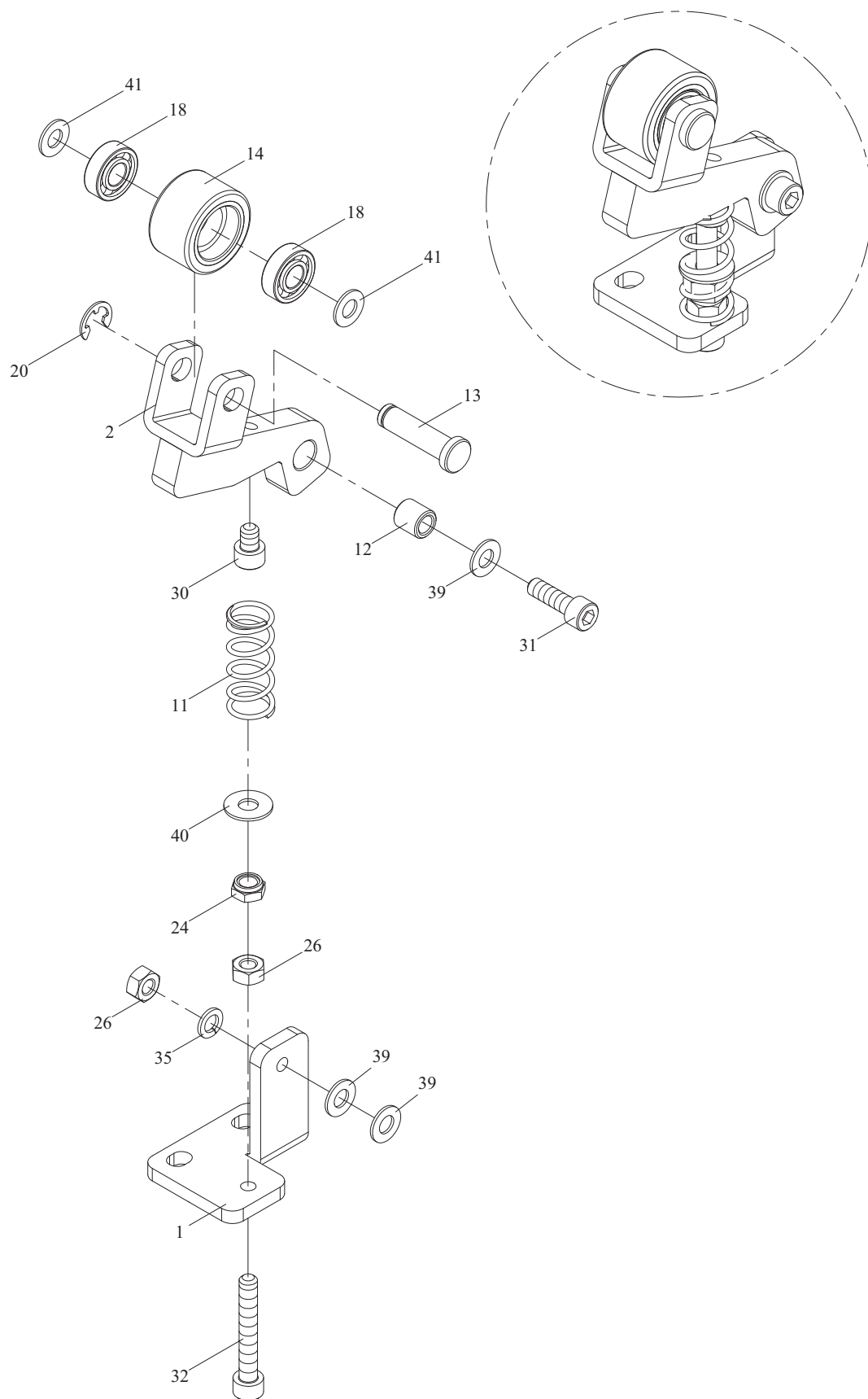
5-1**BODY FRAME GROUP****M7-5-100800
M7-5-100810
(2 OF 2)**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
53	PW04	PW, M4	2	
54	PW05	PW, M5	16	
		PW, M5 (Option)	22	
55	PW06C	PW, M6 (C)	2	
60	HN05	HN, M5	2	



5-1-1

TRANSMISSIVE ROLLER ASS'Y M7-5-510000

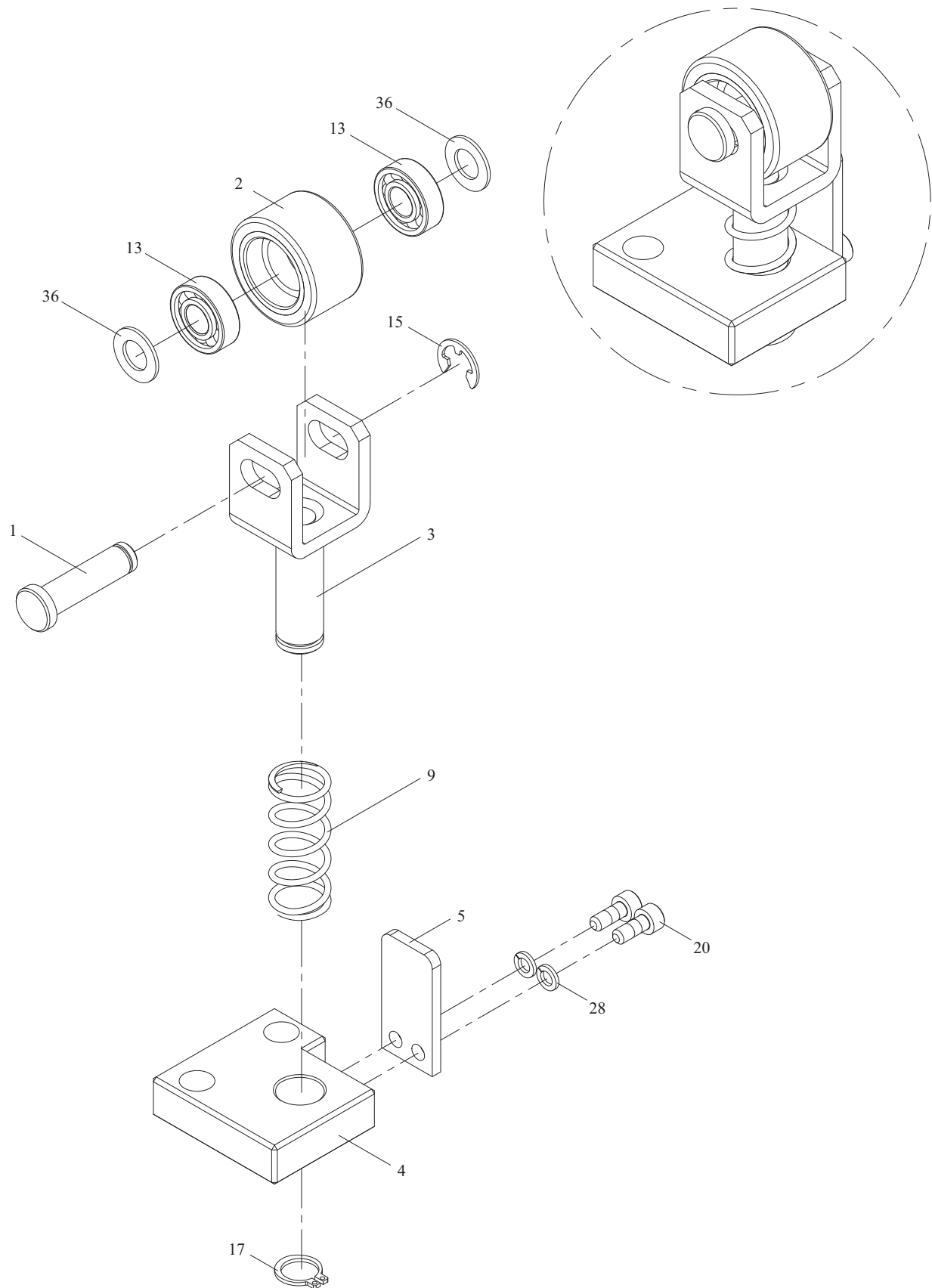


5-1-1**TRANSMISSIVE ROLLER ASS'Y****M7-5-510000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-5-511100	Bracket	1	
2	M7-5-511201	Plunger	1	
11	T6-7-70210	Spring	1	
12	T7-7-40240	Collar	1	
13	T7-5-50260	Shaft	1	
14	T7-5-50270	Roller	1	
18	BR698-2RS	Bearing, 698 2RS	2	
20	ER07	Snap Ring, E-7	1	
24	NTE06	NTE, M6	1	
26	HN06	HN, M6	2	
30	HBS0608N	HBS, M6×8 (N)	1	
31	HBS0625N	HBS, M6×25 (N)	1	
32	HBS0640N	HBS, M6×40 (N)	1	
35	SW06	SW, M6	1	
39	PW06A	PW, M6 (A)	3	
40	PW06C	PW, M6 (C)	1	
41	PW08A	PW, M8 (A)	2	

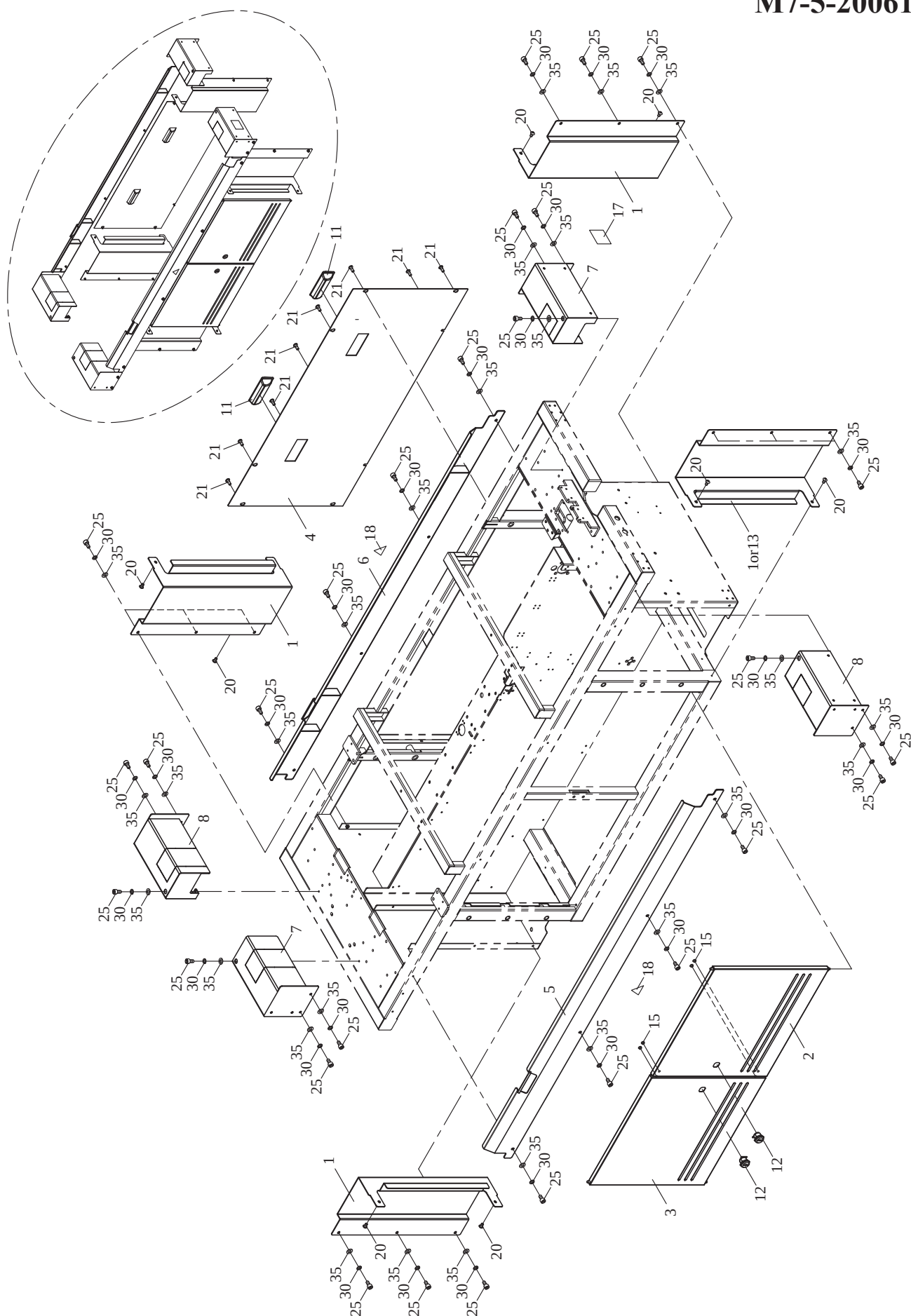
5-1-2

TRANSMISSIVE ROLLER ASS'Y M7-5-610000



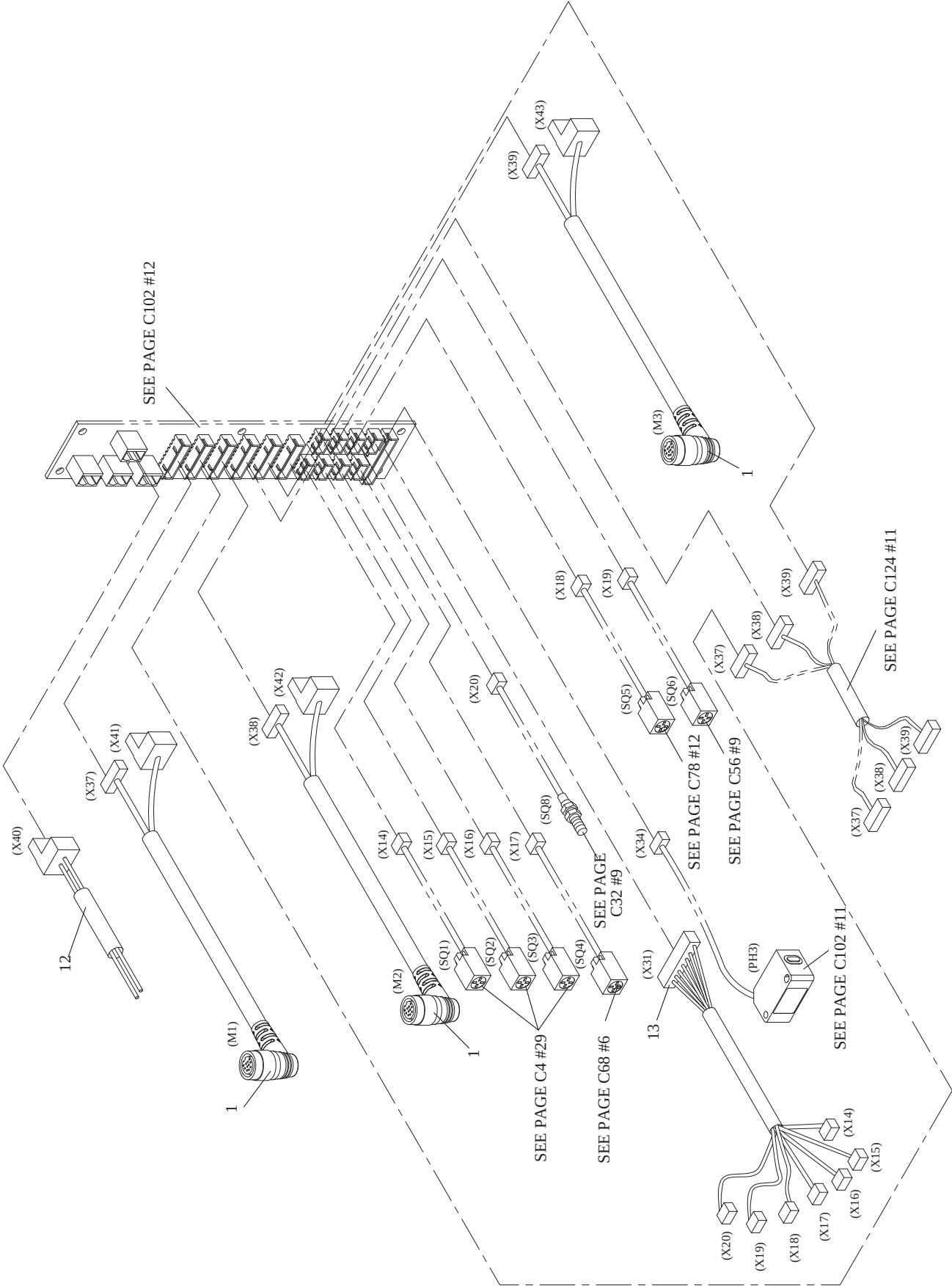
5-1-2**TRANSMISSIVE ROLLER ASS'Y****M7-5-610000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	T7-5-50260	Shaft	1	
2	T7-5-50270	Roller	1	
3	T7-5-50285	Plunger	1	
4	T7-5-50330	Bracket	1	
5	T7-5-50480	Plate (2)	1	
9	T6-7-70210	Spring	1	
13	BR698-2RS	Bearing, 698 2RS	2	
15	ER07	Snap Ring, E-7	1	
17	SR12	Snap Ring, S-12	1	
20	HBS0408N	HBS, M4×8 (N)	2	
28	SW04	SW, M4	2	
36	PW08A	PW, M8 (A)	2	



5-2
COVER GROUP
M7-5-200601
M7-5-200611

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-5-200601	Cover Group (For 1250W)	1	
	M7-5-200611	Cover Group (For 1650W)	1	
	M7-5-208100	Side Plate (For 1650W)	4	
		Side Plate (For 1250W)	3	
2	M7-5-208200	Front Door (Right)(For 1650W)	1	
3	M7-5-208300	Front Door (Left)(For 1250W)	1	
	M7-5-208310	Front Door (Left)(For 1650W)	1	
4	M7-5-208400	Rear Cover (For 1250W)	1	
	M7-5-208410	Rear Cover (For 1650W)	1	
5	M7-5-208501	Front Cover (For 1250W)	1	
	M7-5-208511	Front Cover (For 1650W)	1	
6	M7-5-208601	Rear Cover (For 1250W)	1	
	M7-5-208611	Rear Cover (For 1650W)	1	
7	M7-5-208700	Protect Cover (Rear Right)	2	
8	M7-5-208800	Protect Cover (Rear Left)	2	
11	M7-5-205500	Handle (For 1250W)	1	
		Handle (For 1650W)	2	
12	M7-5-206901	Lock (For 1250W)	1	
		Lock (For 1650W)	2	
13	M7-5-208110	Side Plate (Only 1250W)	1	
15	T7-5-20210	Grommet (For 1250W)	2	
		Grommet (For 1650W)	4	
17	LA-30340	Label	1	
18	LA-40210	Label	2	
20	THS0508N	THS, M5×8 (N)	8	
21	THS0512N	THS, M5×12 (N)(For 1250W/1650W)	8	
25	HBS0612N	HBS, M6×12 (N)	32	
30	SW06	SW, M6	32	
35	PW06A	PW, M6 (A)	32	

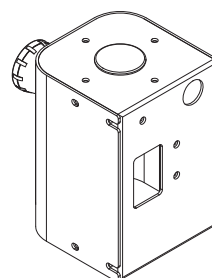
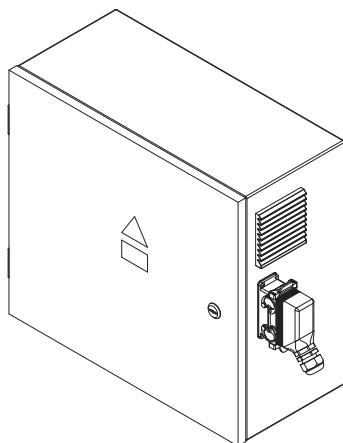
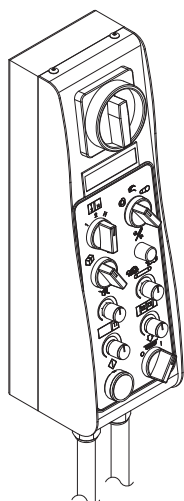


5-3

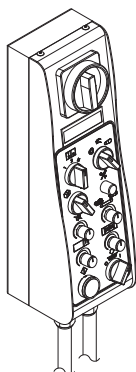
WIRES GROUP

M7-5-300300

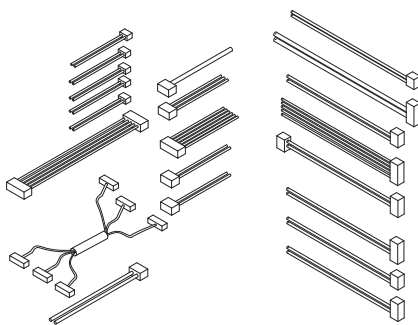
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-6-300100	Motor Cable (X37/X41, X38/X42, X39/X43) (M1, M2, M3)	3	SEE PAGE C3 、 C27 、 C37
12	EW72C016CX40	Wire Ass'y X40 (For 1250W/1650W)	1	
13	EW72C016CX31	Wire Ass'y X31 (For 1250W/1650W)	1	SEE PAGE C123



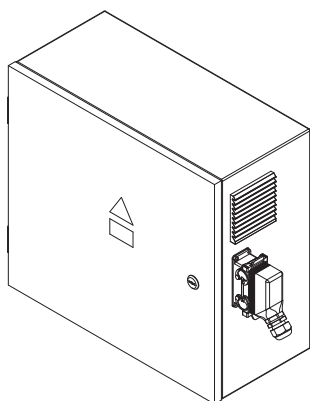
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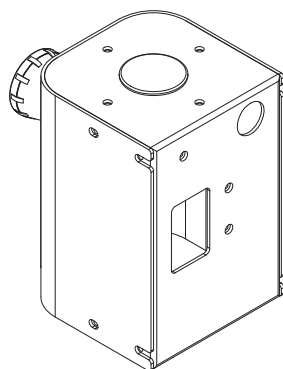
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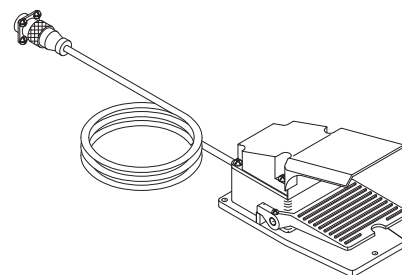
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4

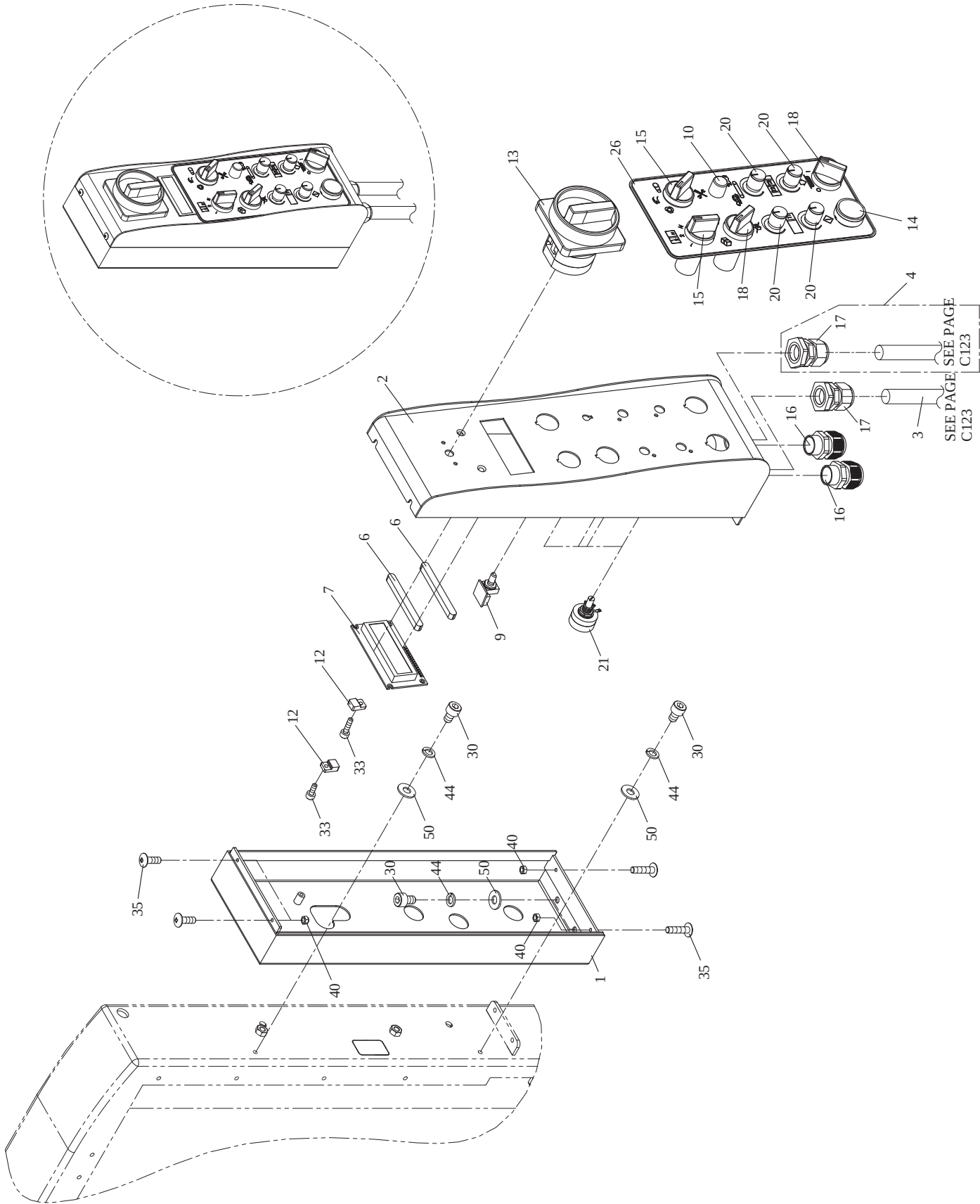


5



(Option)

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	M7-6-902000	Electric Control Unit (For 220V, 1250W/1650W)	1	
	M7-6-902020	Electric Control Unit (For 400V, 1250W/1650W)	1	
1	M7-6-100501	Control Panel Group (For 1250W/1650W)	1	SEE PAGE C115
2	M7-6-200900	Electric Control Group (For 220V)	1	SEE PAGE C117
	M7-6-200910	Electric Control Group (For 400V)	1	
3	M7-6-300701	Wires Group (For 1250W/1650W)	1	SEE PAGE C123
4	M7-6-400500	Control Group	1	SEE PAGE C127
5	T7-6-40001	Pedal Control Set (Option)	1	SEE PAGE C129



6-1**CONTROL PANEL GROUP****M7-6-100501**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-6-106100	Control Box	1	
2	M7-6-106200	Control Plate	1	
3	EW72C016CX12	Wire Ass'y X12 (Control Panel) (For 1250W/1650W)	1	
4	EW72C016CX11	Wire Ass'y X11/X13/X8 (Control Panel) (For 1250W/1650W)	1	
6	M7-6-101300	Rubber	2	
7	M7-6-101400	LCD	1	
9	M7-6-101601	Encoder	1	
10	M7-6-101701	Knob	1	
12	M7-6-101500	Bracket	2	
13	TK-001	Main Power Switch	1	
14	T7-6-20480	Restart Switch (2NO)	1	
15	T6-6-10570	3P. Selector Switch	2	
16	T6-6-10340	Cable Gland (PG13.5)	2	
17	T6-6-10980	Cable Gland (PG11)	2	
18	T6-6-40016	2P. Selector Switch	2	
20	T5-4-10222	Knob (Hole $\phi 6.0$)	4	
21	T5-4-10232	Variable Resistor (5K)($\phi 6.0$)	4	
26	LA-10510	Label	1	
30	HBS0508N	HBS, M5 $\times$ 8 (N)	4	
33	TMS0308N	TMS, M3 $\times$ 8 (N)	2	
35	TMS0416	TMS, M4 $\times$ 16	4	
40	NTE04	NTE, M4	4	
44	SW05	SW, M5	4	
50	PW05	PW, M5	4	

6-2
ELECTRIC CONTROL GROUP
M7-6-200900
M7-6-200910

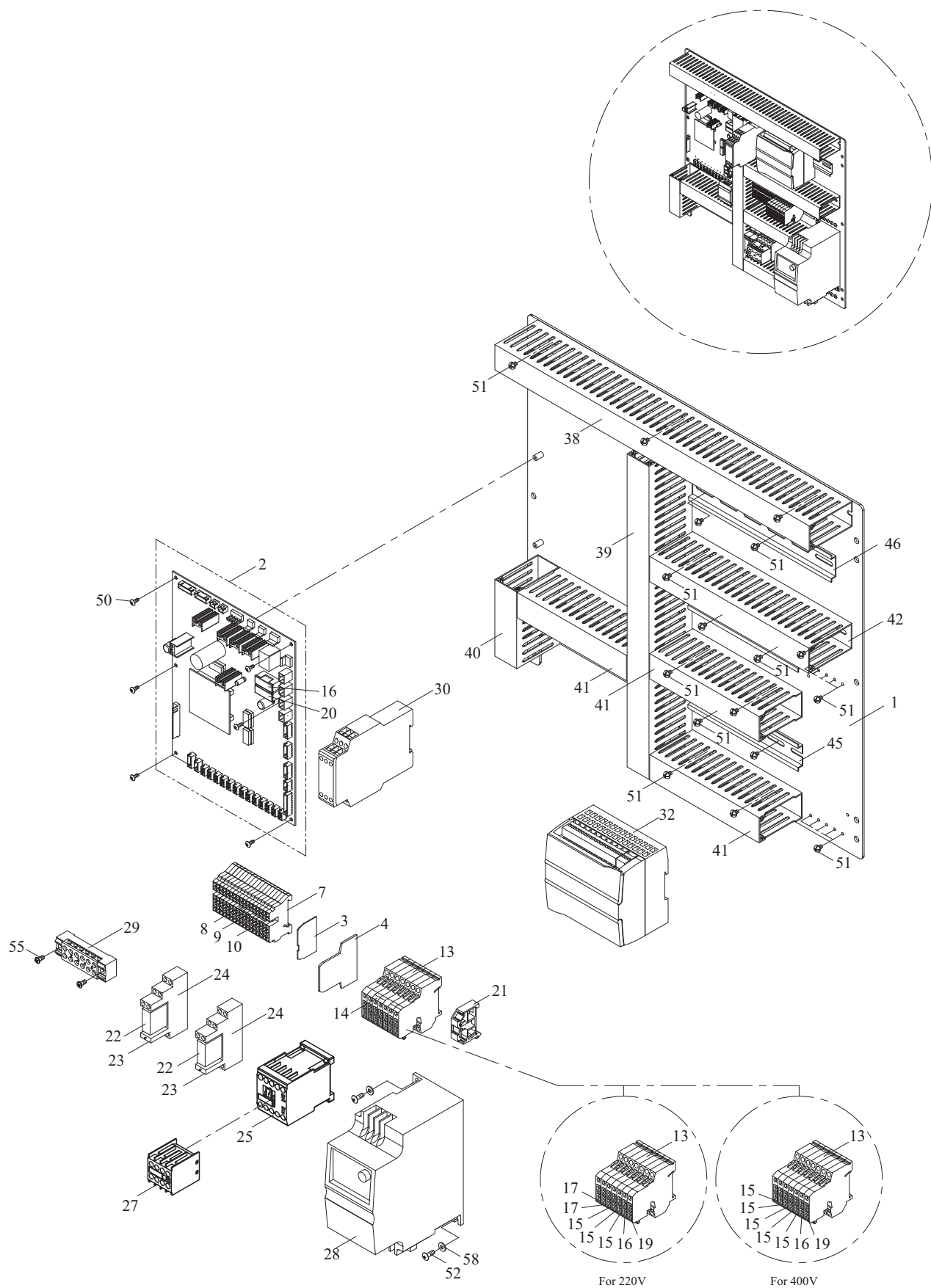
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-6-200900	Electric Control Group (For 220V)	1	
	M7-6-200910	Electric Control Group (For 400V)	1	
	M7-6-209000	Electric Box	1	
	M7-6-209010	Electric Box (Option)	1	
2	M7-6-209100	Electric Box Door	1	SEE PAGE C119
3	M7-6-209200	Counter (Option)	1	
6	M7-6-210200	Panel Ass'y (For 220V)	1	
7	M7-6-210210	Panel Ass'y (For 400V)	1	
	EW72C016C005	Power Cord	1	
11	T5-1-12370	Fan	1	
12	T6-6-10340	Cable Gland (PG13.5)	1	
13	T6-6-60130	Pin	2	
16	FU20040	Fuse (4A) 20L	1	
17	T7-5-10400	Grommet (without Foot Switch Option)	1	
18	T7-6-11250	Cable Gland (PG21)	1	
19	T7-6-11270	Connector	1	
23	T7-6-13010	Filter Set	2	
24	T7-6-13110	Filter	2	SEE PAGE C125
29	M7-5-206930	Key	1	
30	M7-5-206901	Lock	1	
31	M7-6-201400	M4/M5 P.C.B (AP3)	1	
32	M7-6-201500	Heater P.C.B (AP2)	1	SEE PAGE C125
33	M7-6-201600	Power Supply	1	SEE PAGE C125
34	M7-6-207700	VR/PLC Power P.C.B	1	
38	LA-40001	Label	1	
39	LA-40003	Label	1	
40	FR-12053300	Foam Rubber	2	
41	FR-12046800	Foam Rubber	2	
55	TMS0308N	TMS, M3×8 (N)	14	
56	TMS0408N	TMS, M4×8 (N)	4	
60	FMS0408N	FMS, M4×8 (N)	8	
64	HBS0610N	HBS, M6×10 (N)	6	
68	PMS0436	PMS, M4×36	4	
71	PW04	PW, M4	4	
74	PW06A	PW, M6 (A)	6	
77	SW04	SW, M4	4	
78	SW06	SW, M6	6	

6-2-1

PANEL ASS'Y

M7-6-210200

M7-6-210210



6-2-1
PANEL ASS'Y
M7-6-210200
M7-6-210210

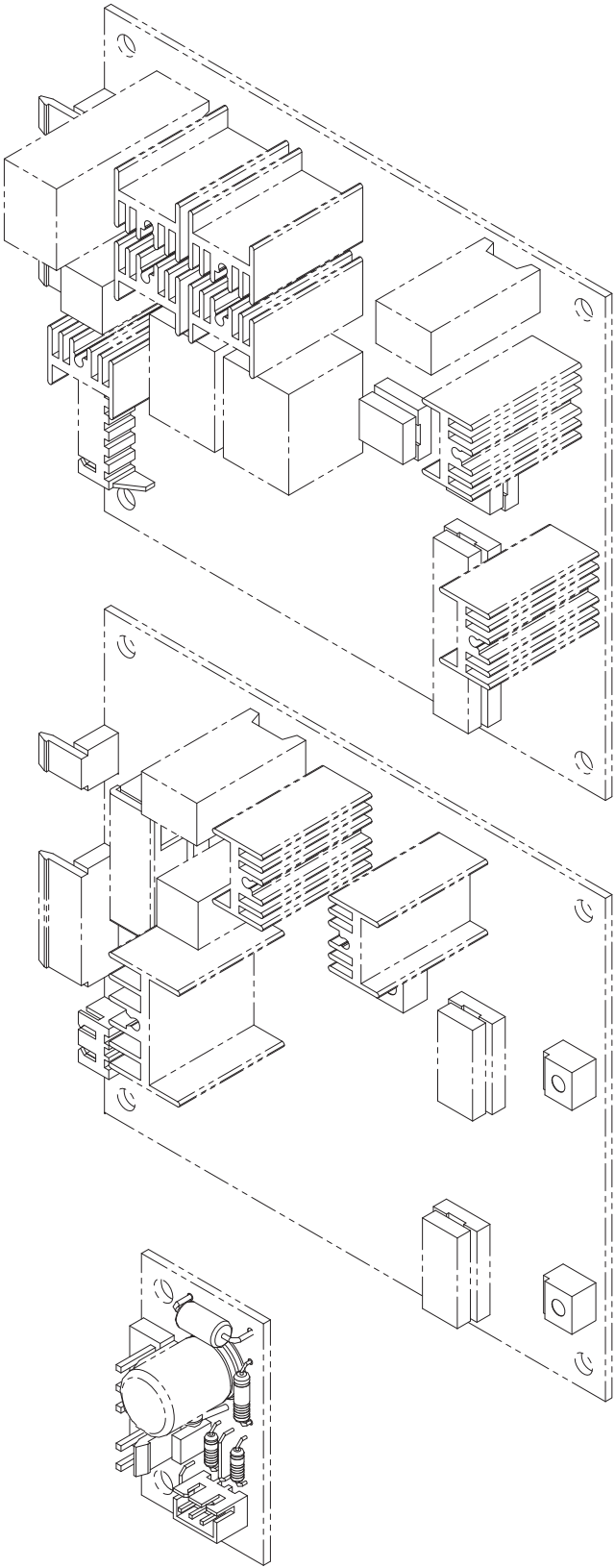
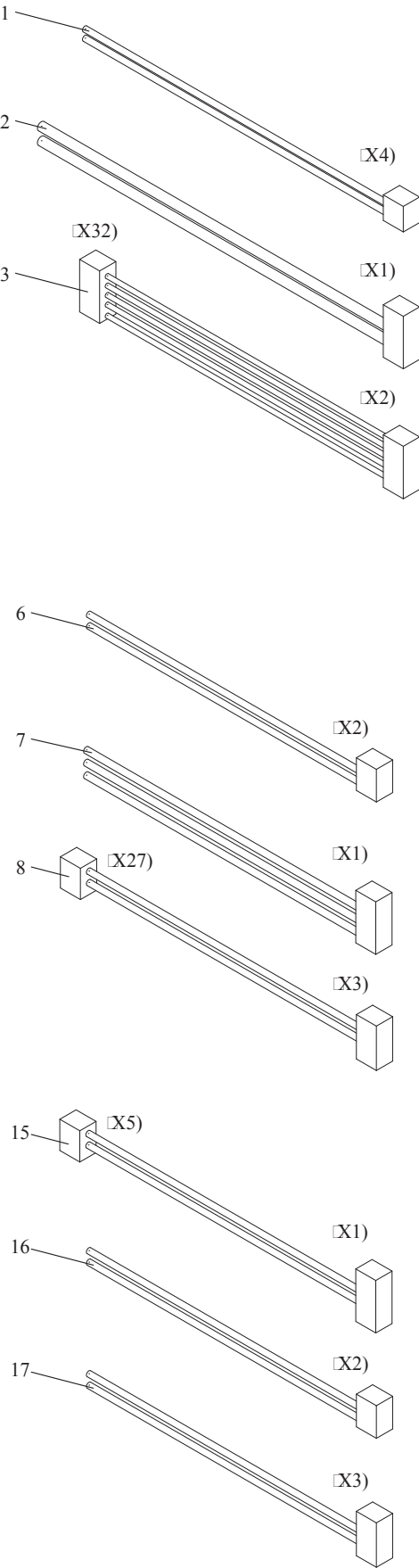
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	M7-6-210200	Panel Ass'y (For 220V)	1	SEE PAGE C123
	M7-6-210210	Panel Ass'y (For 400V)	1	
1	M7-6-212100	Panel	1	
2	M7-6-212200	MAIN P.C.B.	1	
3	T7-6-10630	End Plate	1	
4	T6-6-50330	End Plate (Fuse)	1	
7	T7-6-10940	Terminal	17	
8	T7-6-11390	Jumper (Terminal 2S)	1	
9	T7-6-11720	Jumper (Terminal 3S)	1	
10	T7-6-11380	Jumper (Terminal 5S)	1	
13	T6-6-50180	Fuse Holder	7	
14	T7-6-11370	Jumper (Fuse Holder)	2	
15	T7-6-10290	Fuse (3A) 20L (For 220V)	6	
		Fuse (3A) 20L (For 400V)	10	
16	FU20040	Fuse (4A) 20L	3	
17	T6-6-50280	Fuse (5A) 20L (Only 220V)	4	
19	T7-6-10211	Fuse (10A) 20L	2	
20	TT-5-10150	Fuse (1A) 20L	1	
21	T6-6-50300	End Stop	1	
22	T6-6-80180	Relay	2	
		Relay (For Counter Option)	3	
23	T6-6-80190	Diode	2	
		Diode (For Counter Option)	3	
24	T6-6-80200	Relay Socket	2	
		Relay Socket (For Counter Option)	3	
25	T7-6-10691	Magnetic Switch	1	
27	PH-6-101701	Auxiliary Contact	1	
28	T7-6-10702	Frequency Inverter	1	
29	TF-015	Terminal Bracket	1	
30	PH-6-101800	Safety Relay	1	
32	M7-6-207601	CPU(A1)(Serial Number Needed)	1	
38	WD33650470	Wire Duct 33×65×470	1	
39	WD33650409	Wire Duct 33×65×409	1	
40	WD33650100	Wire Duct 33×65×100	1	

6-2-1**PANEL ASS'Y****M7-6-210200****M7-6-210210**

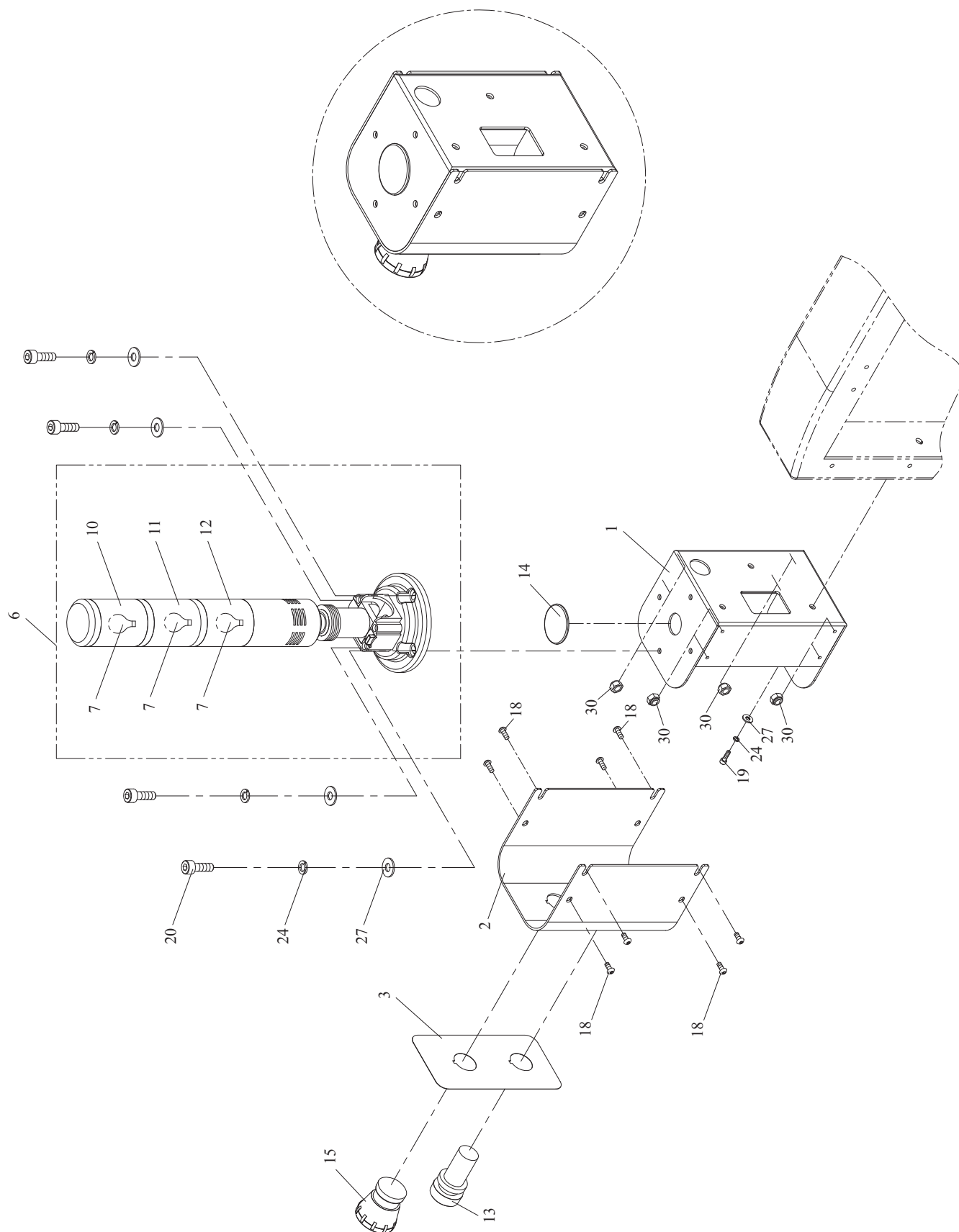
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
41	WD33650165	Wire Duct 33×65×165	3	
42	WD33650240	Wire Duct 33×65×240	1	
45	AR0166	Terminal Rail, 166mm	1	
46	AR0215	Terminal Rail, 215mm	1	
50	TMS0308N	TMS, M3×8 (N)	6	
51	TMS0405	TMS, M4×5	21	
52	TMS0412N	TMS, M4×12 (N)	2	
55	PMS0408	PMS, M4×8	2	
58	PW04	PW, M4	2	



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	EW72C016CX22	Wire Ass'y X22 (Foot Switch)(Option)	1	SEE PAGE C111
5	EW72C016CX21	Wire Ass'y X21 (Inverter Ready Signal)	1	
6	EW72C016CX23	Wire Ass'y X23 (Auto Strapping (in)/ PCB Ready (out))	1	
7	EW72C016CX24	Wire Ass'y X24 (Air Drap) (For 1250W/1650W)	1	
8	EW72C016CX25	Wire Ass'y X25 (Reel Release Switch) (For 1250W/1650W)	1	
9	EW72C016CX26	Wire Ass'y X26 (Machine Ready)	1	
11	EW72C016CX38	Wire Ass'y X3/X38/X39 (Motor Control Signal)	1	
13	EW72C016CX03	Wire Ass'y X3 (Power for Main PCB)	1	
14	EW72C016CX04	Wire Ass'y X4 (Reel)(For 1250W/1650W)	1	
16	EW72C016CX07	Wire Ass'y X7 (Press Bar)(For 1250W/1650W)	1	
18	EW72C016CX29	Wire Ass'y X29 (M6 run/B8/B9)	1	
19	EW72C020CX35	Wire Ass'y X35 (Counter)(Option)	1	
20	EW72C016CX36	Wire Ass'y X36 (PCB Error out)	1	

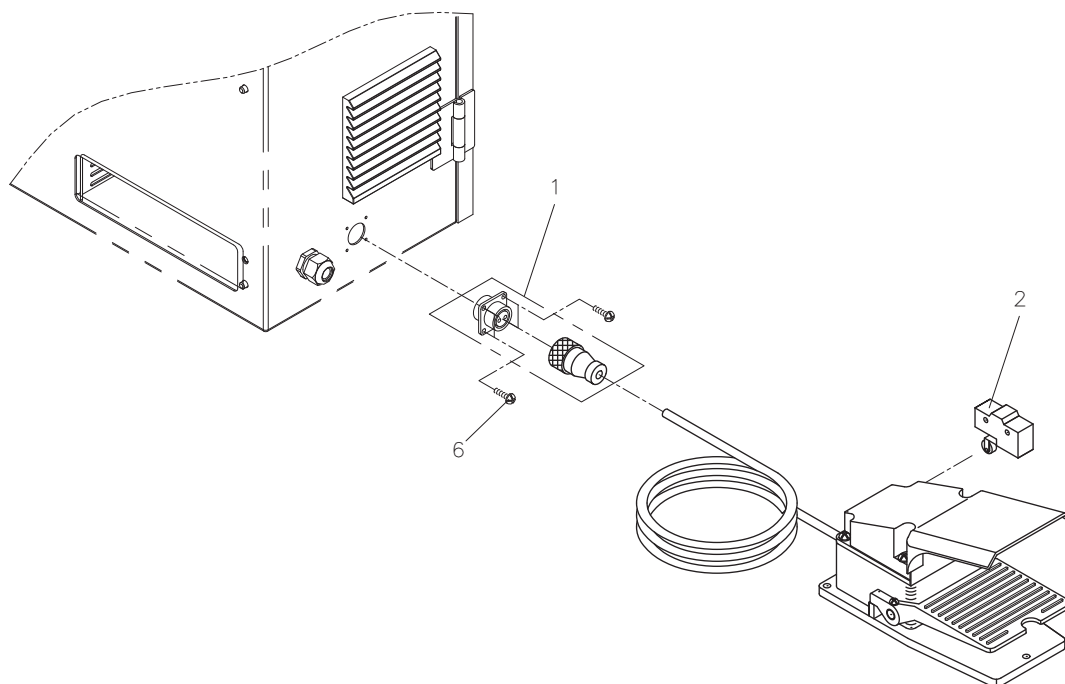
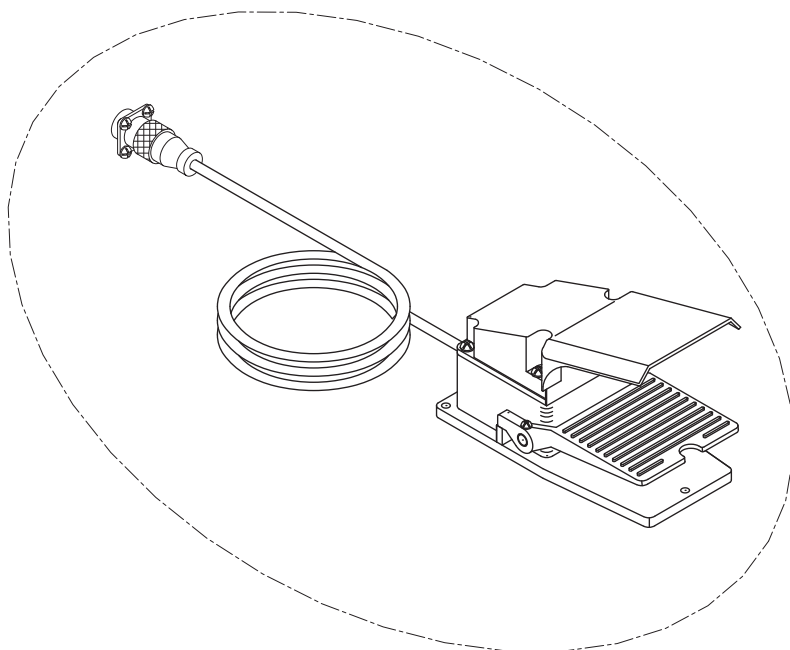


REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	EW72C016CM04	Wire Ass'y X4 (Power for M4/M5 PCB)	1	SEE PAGE C123
2	EW72C016CM01	Wire Ass'y X1 (Power for M4/M5) (For 1250W/1650W)	1	
3	EW72C016CX32	Wire Ass'y X32 (Control Wire for M4/M5)	1	
6	EW72C016CH02	Wire Ass'y X2 (Power for H.T PCB)	1	SEE PAGE C123
7	EW72C016CH01	Wire Ass'y X1 (H.T/Sensor/Fan) (For 1250W/1650W)	1	
8	EW72C016CH03	Wire Ass'y X3 (Heater Ready)	1	
15	EW72C016CP01	Wire Ass'y X1 (V.R/PLC Power P.C.B Power)	1	SEE PAGE C123
16	EW72C016CP02	Wire Ass'y X2 (PLC Power)	1	
17	EW72C016CP03	Wire Ass'y X3 (V.R Power)	1	



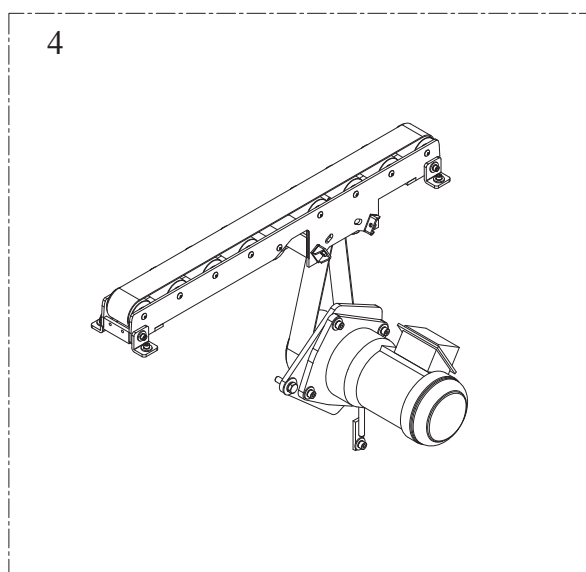
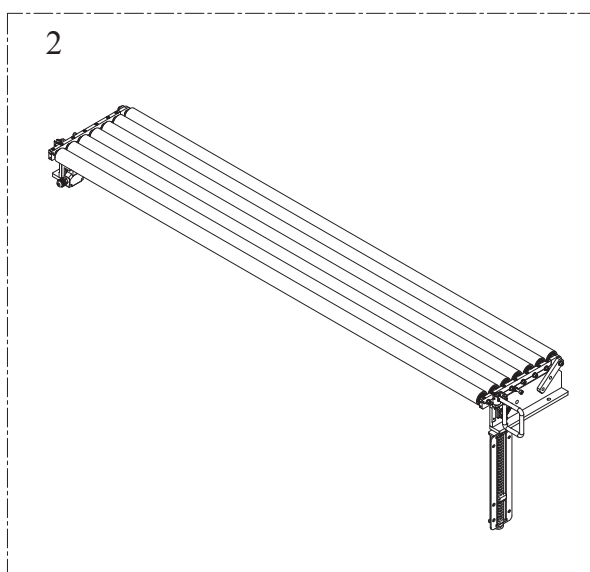
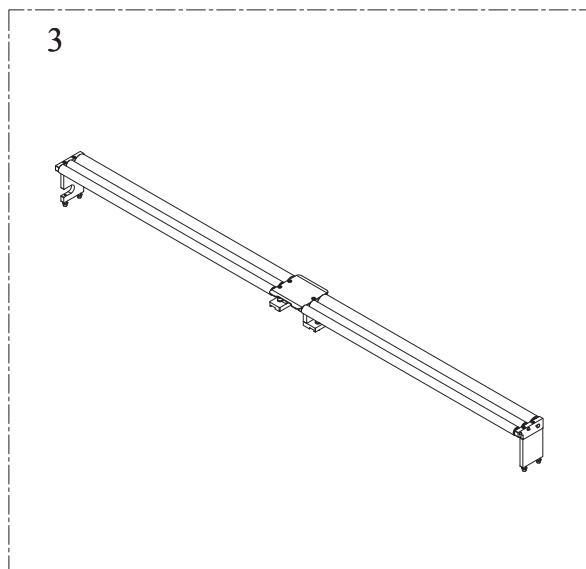
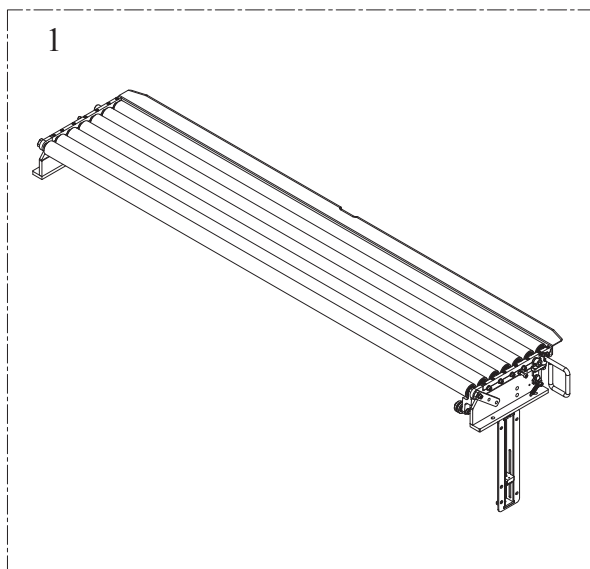
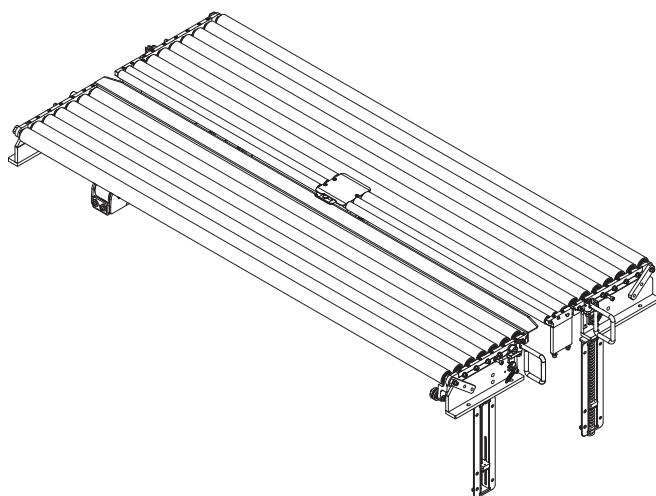
6-4**CONTROL GROUP****M7-6-400500**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-6-403001	Control Box	1	
2	M7-6-403300	Control Box Cover	1	
3	LA-10520	Label	1	
6	M7-6-402011	Light Tree Ass'y (Red/Amber/Green)(Option)	1	
7	M7-6-401800	LED Lamp (White) (Option)	3	
10	M7-6-401500	Red Cover (Option)	1	
11	M7-6-401600	Amber Cover (Option)	1	
12	M7-6-401700	Green Cover (Option)	1	
13	T7-6-20480	Restart Switch (2NO)	1	
14	T7-5-10400	Grommet (without Low Strap Sensor Option)	1	
15	T7-6-20470	Stop Switch 2NC	1	
18	THS0412	THS, M4×12	8	
19	HBS0508N	HBS, M5×8 (N)	3	
20	HBS0516N	HBS, M5×16 (N)	4	
24	SW05	SW, M5	7	
27	PW05	PW, M5	7	
30	NTE04	NTE, M4	8	

**PEDAL CONTROL SET
(OPTION)**

6-5**PEDAL CONTROL SET
(OPTION)****T7-6-40001**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	T6-6-10350	Connector (Foot Switch)	1	
2	T7-5-20130	Micro Switch	1	
6	TMS0308S	TMS, M3×8	4	

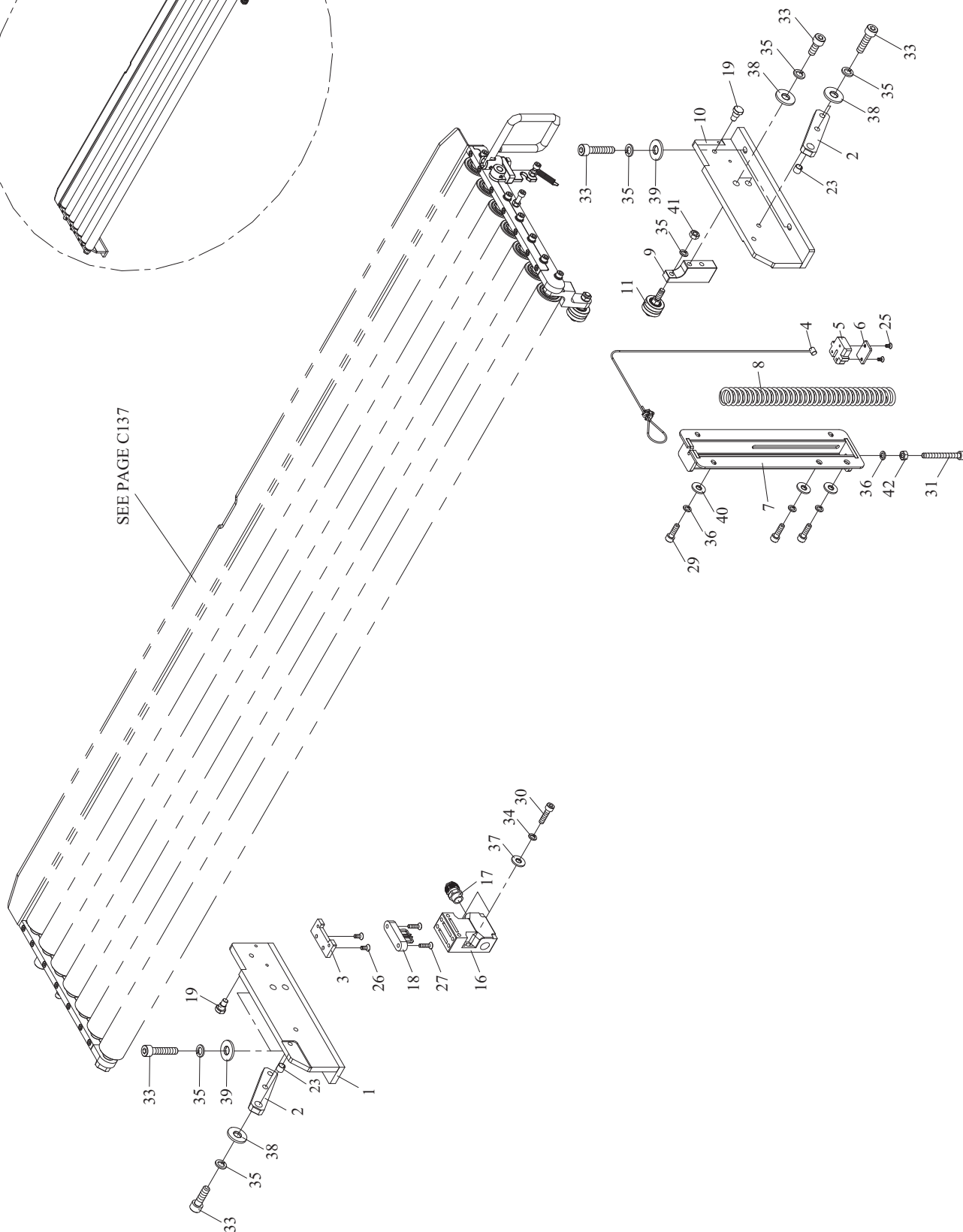


REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-7-900601	Table Roller Unit (For 5-6mm, 1250W)	1	SEE PAGE C133
	M7-7-900611	Table Roller Unit (For 9mm, 1250W)	1	
	M7-7-900621	Table Roller Unit (For 5-6mm, 1650W)	1	
	M7-7-900631	Table Roller Unit (For 9mm, 1650W)	1	
	M7-7-100800	Table Roller Group (Front)(For 5-6mm, 1250W)	1	
	M7-7-100810	Table Roller Group (Front)(For 9mm, 1250W)	1	
	M7-7-100820	Table Roller Group (Front)(For 5-6mm, 1650W)	1	
	M7-7-100830	Table Roller Group (Front)(For 9mm, 1650W)	1	
	M7-7-200400	Table Roller Group (Rear)(For 1250W)	1	
	M7-7-200410	Table Roller Group (Rear)(For 1650W)	1	
2	M7-7-300400	Table Roller Group (Middle)(For 1250W)	1	SEE PAGE C143
3	M7-7-300410	Table Roller Group (Middle)(For 1650W)	1	SEE PAGE C149
4	M7-7-400203	Transmissive Group	1	SEE PAGE C151

(FRONT)

M7-7-100810

SEE PAGE C137



7-1

TABLE ROLLER GROUP (FRONT)

M7-7-100800
M7-7-100810
(1 OF 2)

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	M7-7-100800	Table Roller Group (Front)(For 5-6mm, 1250W)	1	
	M7-7-100810	Table Roller Group (Front)(For 9mm, 1250W)	1	
	M7-7-100820	Table Roller Group (Front)(For 5-6mm, 1650W)	1	
	M7-7-100830	Table Roller Group (Front)(For 9mm, 1650W)	1	
1	M7-7-205100	Base	1	
2	M7-7-205200	Bracket	2	
3	M7-7-205300	Bracket	1	
4	M7-7-205400	Wire Rope	1	
5	M7-7-205500	Block	1	
6	M7-7-205600	Cover	1	
7	M7-7-205700	Bracket	1	
8	M7-7-205800	Spring (For 1650W)	1	
	M7-7-205820	Spring (For 1250W)	1	
9	M7-7-205900	Bracket	1	
10	M7-7-206000	Base	1	
11	M7-7-140000	Roller Ass'y	1	
16	TK-035	Interlock Safety Switch	1	
17	T5-2-10500	Cable Gland (PG9)	1	
18	T7-5-10211	Switch Actuator-Adjustable	1	
19	T7-7-40230	Hook Shaft	2	
23	MB1010	Metal Bushing, 1010	2	
25	FMS0408	FMS, M4×8	2	
26	FMS0512	FMS, M5×12	2	
27	FMS0520	FMS, M5×20	2	
29	HBS0612N	HBS, M6×12 (N)	5	
30	HBS0520N	HBS, M5×20 (N)	2	
31	HBS0655N	HBS, M6×55 (N)	1	
33	HBS0820N	HBS, M8×20 (N)	10	
34	SW05	SW, M5	2	
35	SW08	SW, M8	11	
36	SW06	SW, M6	6	

7-1

TABLE ROLLER GROUP (FRONT)

M7-7-100800
M7-7-100810
(1 OF 2)

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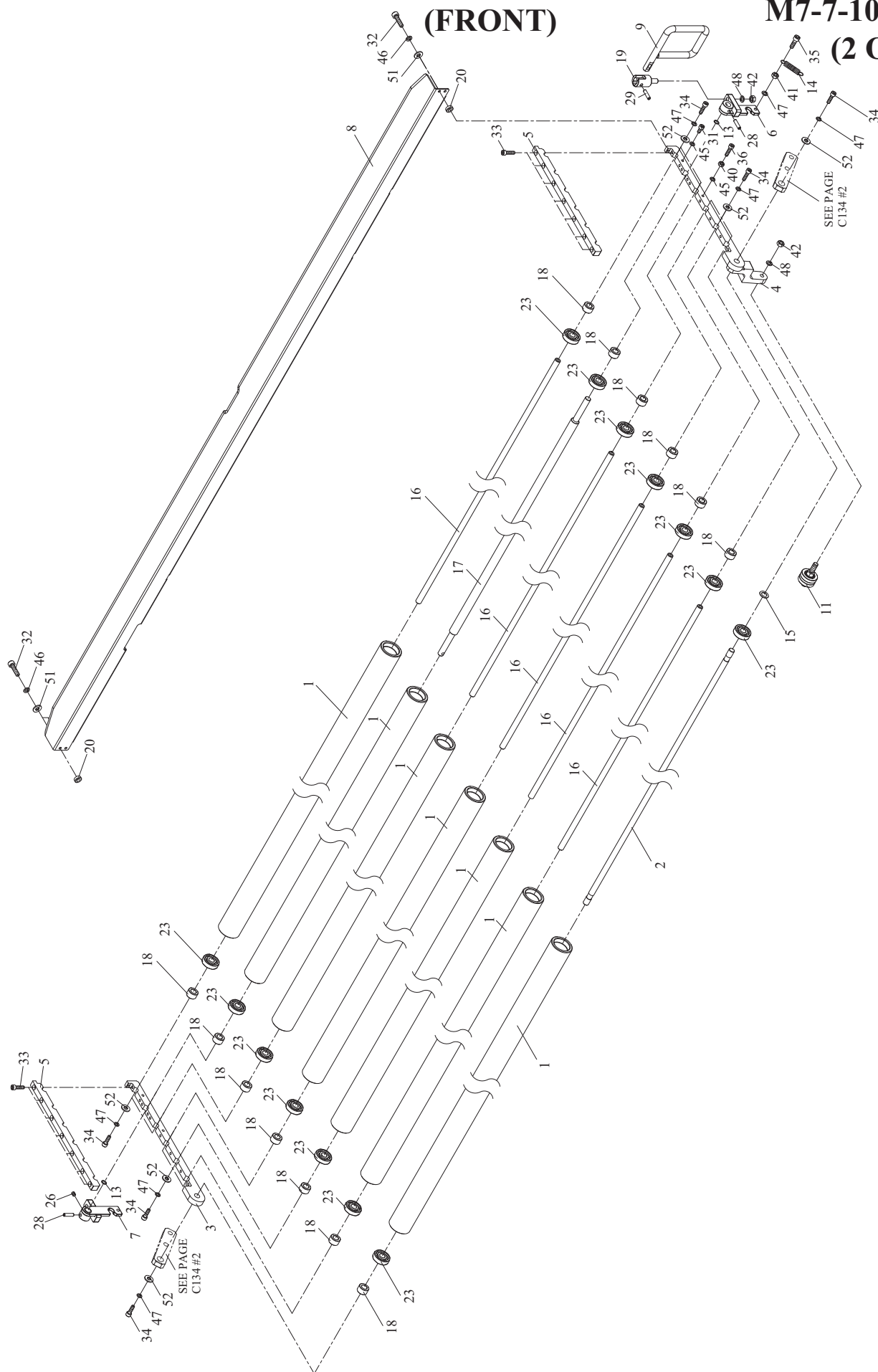
TABLE ROLLER GROUP

M7-7-100800

M7-7-100810

(2 OF 2)

(FRONT)



7-1

**TABLE ROLLER GROUP
(FRONT)**

**M7-7-100800
M7-7-100810
(2 OF 2)**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-7-206101	Roller (For 1250W)	7	
	M7-7-206111	Roller (For 1650W)	7	
2	M7-7-206200	Shaft (For 1250W)	1	
	M7-7-206210	Shaft (For 1650W)	1	
3	M7-7-206300	Bracket	1	
4	M7-7-206400	Bracket	1	
5	M7-7-206500	Cover	2	
6	M7-7-206600	Hook	1	
7	M7-7-206700	Hook	1	
8	M7-7-206810	Guide Plate (For 1250W)	1	SEE PAGE C141
	M7-7-206830	Guide Plate (For 1650W)	1	
9	M7-7-206900	Handle	1	
11	M7-7-140000	Roller Ass'y	1	
13	H44-10070	Washer	2	
14	T7-1-70280	Spring	1	
15	T7-7-30310	Washer	1	
16	T7-7-40151	Shaft (For 1250W)	5	
	T7-7-40152	Shaft (For 1650W)	5	
17	T7-7-40164	Shaft (For 1250W)	1	
	T7-7-40165	Shaft (For 1650W)	1	
18	T7-7-40170	Spacer	13	
19	T7-7-40421	Shaft	1	
20	T7-7-40120	Spacer (Only 5-6mm)	4	
23	BR6200-2RS	Bearing, 6200 2RS	14	
26	HSS0606GN	HSS, M6×6 (G)(N)	1	
28	SPS0520	Spring Pin, 5×20	2	
29	SP0520	Spring Pin, 5×20	1	
31	HBS0508N	HBS, M5×8 (N)	1	
32	HBS0408N	HBS, M4×8 (N)	4	

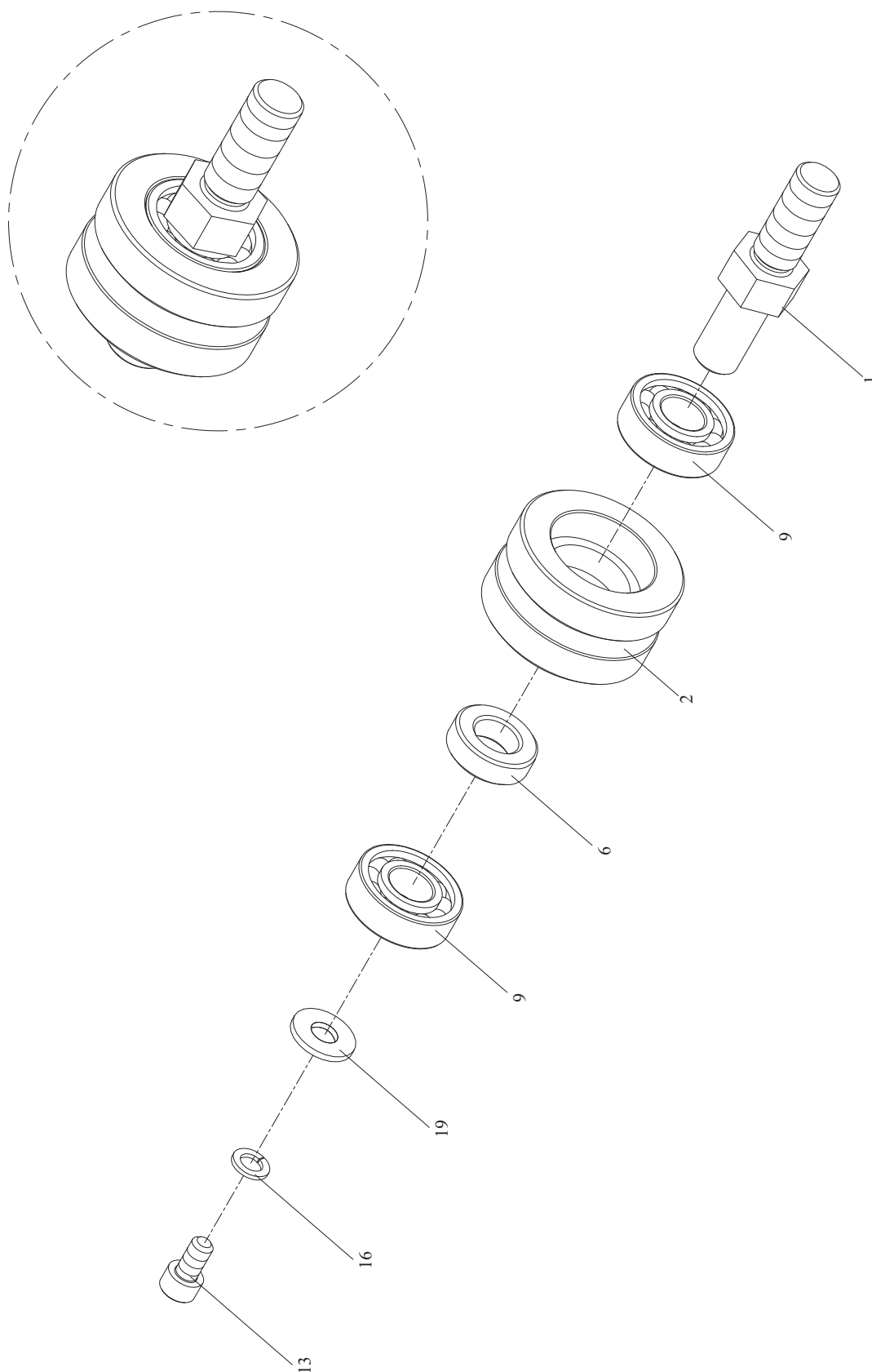
7-1

TABLE ROLLER GROUP (FRONT)

M7-7-100800
M7-7-100810
(2 OF 2)

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
33	HBS0520N	HBS, M5×20 (N)	14	
34	HBS0612N	HBS, M6×12 (N)	12	
35	HBS0620N	HBS, M6×20 (N)	1	
36	HBS0530N	HBS, M5×30 (N)	1	
40	HN05	HN, M5	1	
41	HN06	HN, M6	1	
42	HN08	HN, M8	2	
45	SW05	SW, M5	3	
46	SW04	SW, M4	4	
47	SW06	SW, M6	11	
48	SW08	SW, M8	2	
51	PW04	PW, M4	4	
52	PW06A	PW, M6 (A)	14	





7-1-1**ROLLER ASS'Y****M7-7-140000**

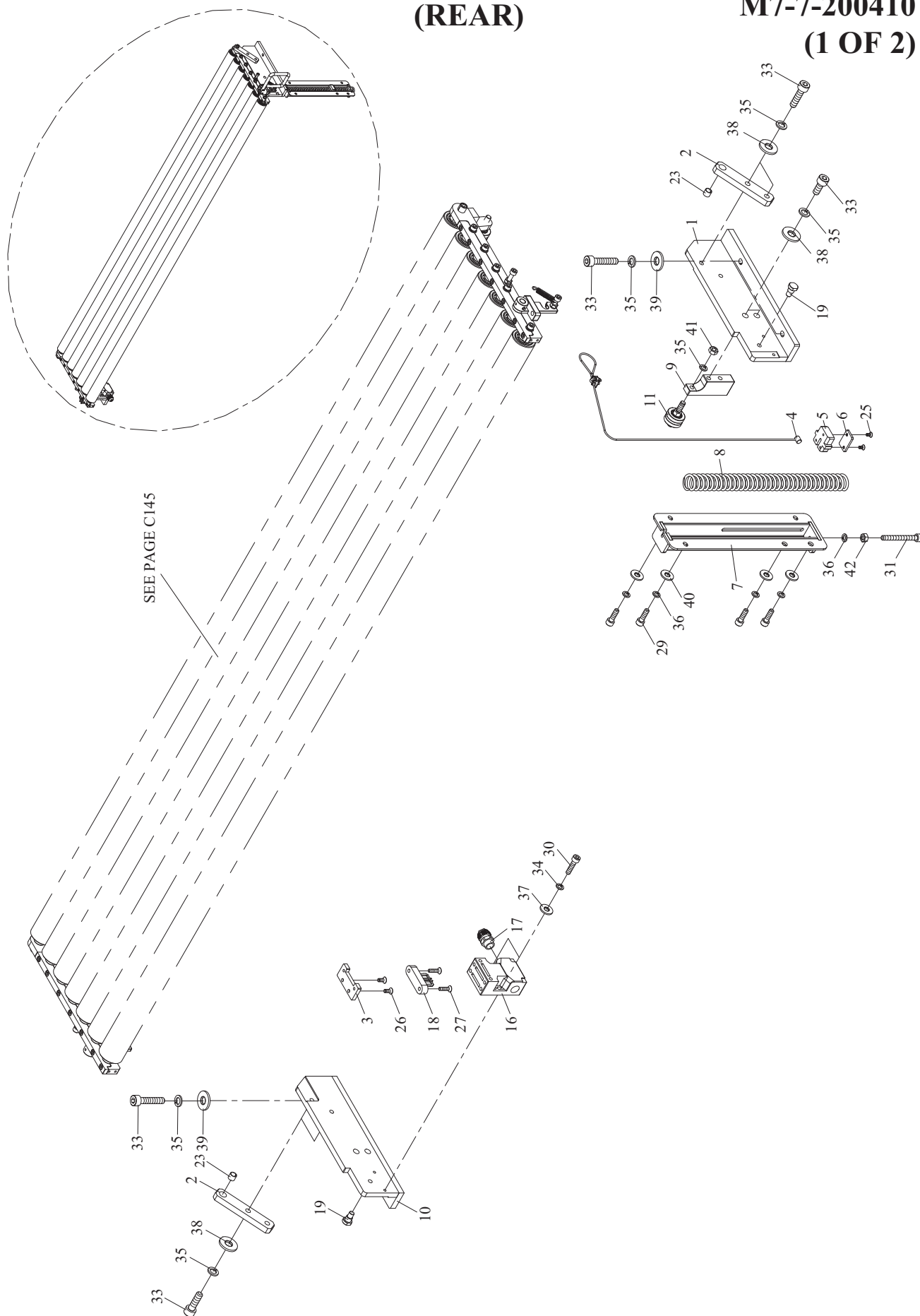
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-7-141100	Shaft	1	
2	M7-7-141200	Roller	1	
6	T7-1-63131	Feed Wheel Spacer	1	
9	BR698-2RS	Bearing, 698 2RS	2	
13	HBS0510N	HBS, M5×10 (N)	1	
16	SW05	SW, M5	1	
19	PW05	PW, M5	1	

TABLE ROLLER GROUP (REAR)

M7-7-200400

M7-7-200410

(1 OF 2)



7-2

TABLE ROLLER GROUP (REAR)

M7-7-200400
M7-7-200410
(1 OF 2)

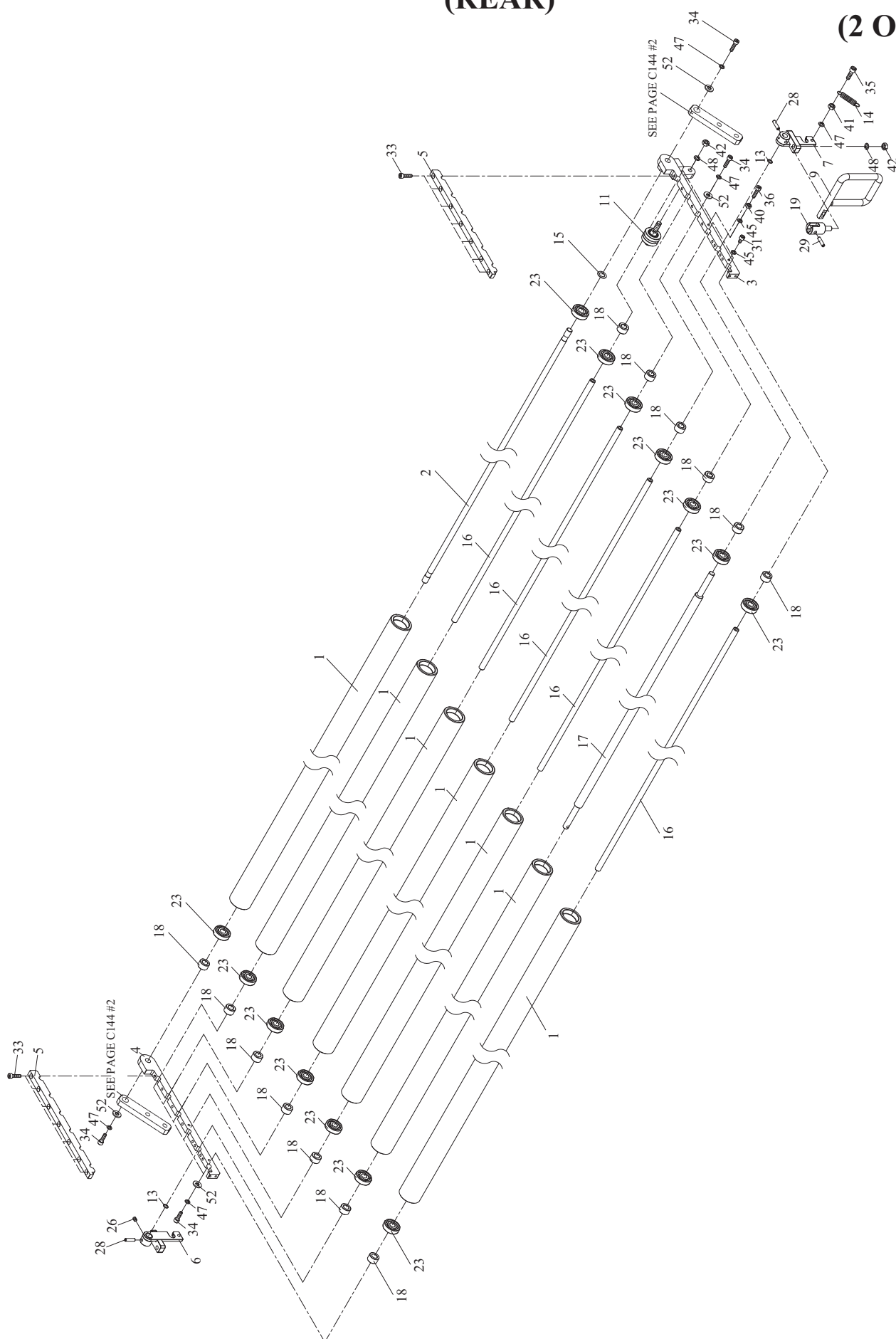
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	M7-7-200400	Table Roller Group (Rear)(For 1250W)	1	
	M7-7-200410	Table Roller Group (Rear)(For 1650W)	1	
1	M7-7-205100	Base	1	
2	M7-7-205200	Bracket	2	
3	M7-7-205300	Bracket	1	
4	M7-7-205400	Wire Rope	1	
5	M7-7-205500	Block	1	
6	M7-7-205600	Cover	1	
7	M7-7-205700	Bracket	1	
8	M7-7-205800	Spring (For 1650W)	1	
	M7-7-205820	Spring (For 1250W)	1	
9	M7-7-205900	Bracket	1	
10	M7-7-206000	Base	1	
11	M7-7-140000	Roller Ass'y	1	SEE PAGE C141
16	TK-035	Interlock Safety Switch (IP67)	1	
17	T5-2-10500	Cable Gland (PG9)	1	
18	T7-5-10211	Switch Actuator-Adjustable	1	
19	T7-7-40230	Hook Shaft	2	
23	MB1010	Metal Bushing, 1010	2	
25	FMS0408	FMS, M4×8	2	
26	FMS0512	FMS, M5×12	2	
27	FMS0520	FMS, M5×20	2	
29	HBS0612N	HBS, M6×12 (N)	5	
30	HBS0520N	HBS, M5×20 (N)	2	
31	HBS0655N	HBS, M6×55 (N)	1	
33	HBS0820N	HBS, M8×20 (N)	10	
34	SW05	SW, M5	2	
35	SW08	SW, M8	11	
36	SW06	SW, M6	6	
37	PW05	PW, M5	2	
38	PW08A	PW, M8 (A)	6	
39	PW08C	PW, M8 (C)	4	
40	PW06A	PW, M6 (A)	5	
41	HN08	HN, M8	1	
42	HN06	HN, M6	1	

TABLE ROLLER GROUP (REAR)

M7-7-200400

M7-7-200410

(2 OF 2)



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-7-206101	Roller (For 1250W)	7	SEE PAGE C141
	M7-7-206111	Roller (For 1650W)	7	
2	M7-7-206200	Shaft (For 1250W)	1	
	M7-7-206210	Shaft (For 1650W)	1	
3	M7-7-207000	Bracket	1	
4	M7-7-206300	Bracket	1	
5	M7-7-206500	Cover	2	
6	M7-7-206600	Hook	1	
7	M7-7-206700	Hook	1	
9	M7-7-206900	Handle	1	
11	M7-7-140000	Roller Ass'y	1	
13	H44-10070	Washer	2	
14	T7-1-70280	Spring	1	
15	T7-7-30310	Washer	1	
16	T7-7-40151	Shaft (For 1250W)	5	
	T7-7-40152	Shaft (For 1650W)	5	
17	T7-7-40164	Shaft (For 1250W)	1	
	T7-7-40165	Shaft (For 1650W)	1	
18	T7-7-40170	Spacer	13	
19	T7-7-40421	Shaft	1	
23	BR6200-2RS	Bearing, 6200 2RS	14	
26	HSS0606GN	HSS, M6×6 (G)(N)	1	
28	SPS0520	Spring Pin, 5×20	2	
29	SP0520	Spring Pin, 5×20	1	
31	HBS0508N	HBS, M5×8 (N)	2	
32	HBS0408N	HBS, M4×8 (N)	4	
33	HBS0516N	HBS, M5×16 (N)	14	
34	HBS0612N	HBS, M6×12 (N)	12	
35	HBS0620N	HBS, M6×20 (N)	1	
36	HBS0530N	HBS, M5×30 (N)	2	

7-2

TABLE ROLLER GROUP (REAR)

M7-7-200400

M7-7-200410

(2 OF 2)

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
40	HN05	HN, M5	1	
41	HN06	HN, M6	1	
42	HN08	HN, M8	2	
45	SW05	SW, M5	3	
46	SW04	SW, M4	4	
47	SW06	SW, M6	11	
48	SW08	SW, M8	2	
51	PW04	PW, M4	4	
52	PW06A	PW, M6 (A)	14	

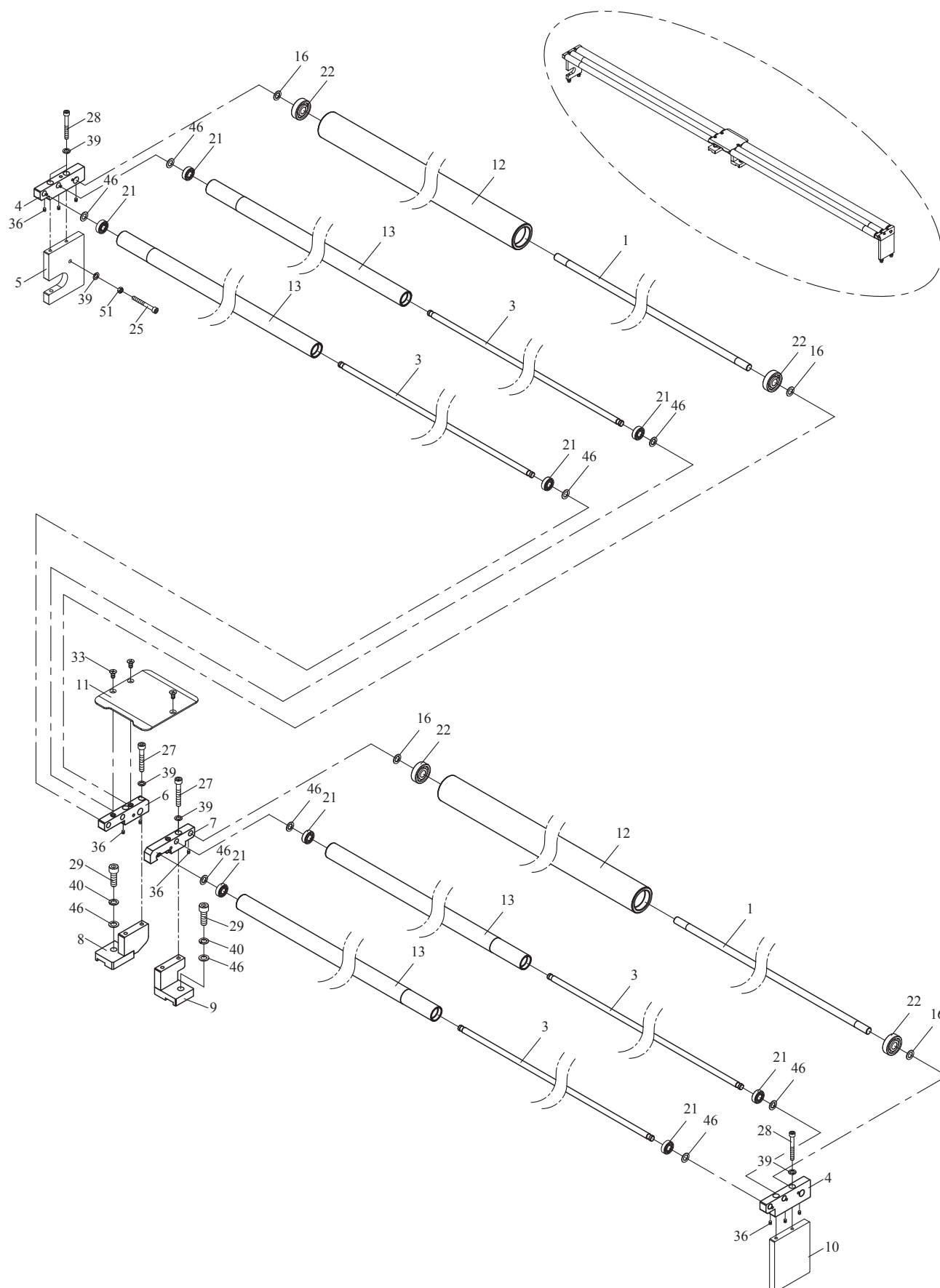


7-3

TABLE ROLLER GROUP (MIDDLE)

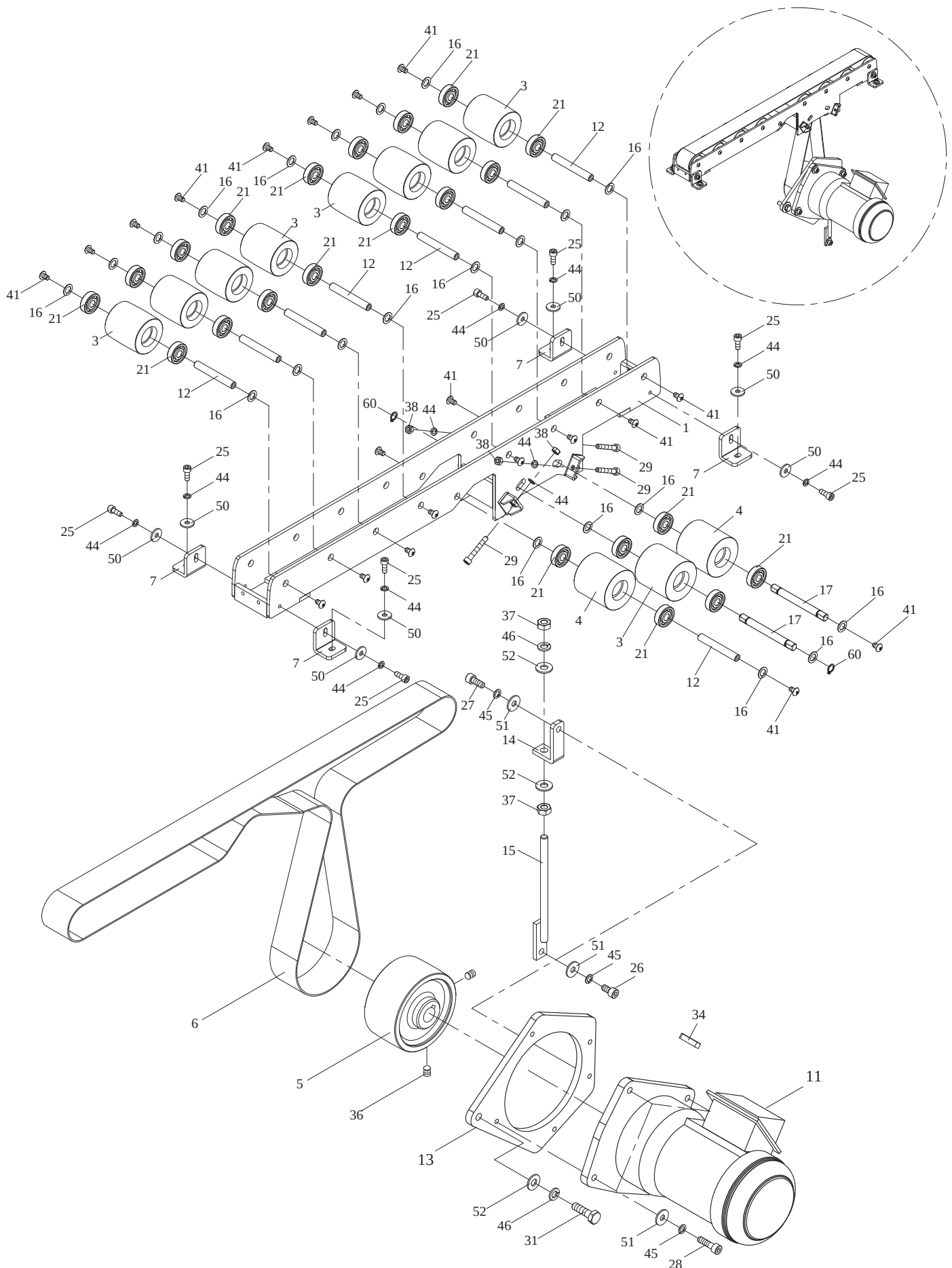
M7-7-300400

M7-7-300410



7-3
TABLE ROLLER GROUP (MIDDLE)
M7-7-300400
M7-7-300410

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-7-300400	Table Roller Group (Middle)(For 1250W)	1	
	M7-7-300410	Table Roller Group (Middle)(For 1650W)	1	
	M7-7-305100	Shaft (For 1250W)	2	
	M7-7-305110	Shaft (For 1650W)	2	
3	M7-7-305300	Shaft (For 1250W)	4	
	M7-7-305310	Shaft (For 1650W)	4	
4	M7-7-305401	Bracket	2	
5	M7-7-305500	Base	1	
6	M7-7-305601	Bracket	1	
7	M7-7-305701	Bracket	1	
8	M7-7-305800	Base	1	
9	M7-7-305900	Base	1	
10	M7-7-306000	Base	1	
11	M7-7-306100	Slide Plate Cover	1	
12	M7-7-306201	Roller (For 1250W)	2	
	M7-7-306211	Roller (For 1650W)	2	
13	M7-7-306301	Roller (For 1250W)	4	
	M7-7-306311	Roller (For 1650W)	4	
16	T7-7-30310	Washer	4	
21	BR698-2RS	Bearing, 698 2RS	8	
22	BR6200-2RS	Bearing, 6200 2RS	4	
25	HBS0545HN	HBS, M5×45 (H)(N)	1	
27	HBS0525N	HBS, M5×25 (N)	3	
28	HBS0535N	HBS, M5×35 (N)	4	
29	HBS0820N	HBS, M8×20 (N)	2	
33	FMS0508	FMS, M5×8	3	
36	HSS0405GN	HSS, M4×5 (G)(N)	6	
39	SW05	SW, M5	8	
40	SW08	SW, M8	2	
46	PW08A	PW, M8 (A)	10	
51	HN05	HN, M5	1	

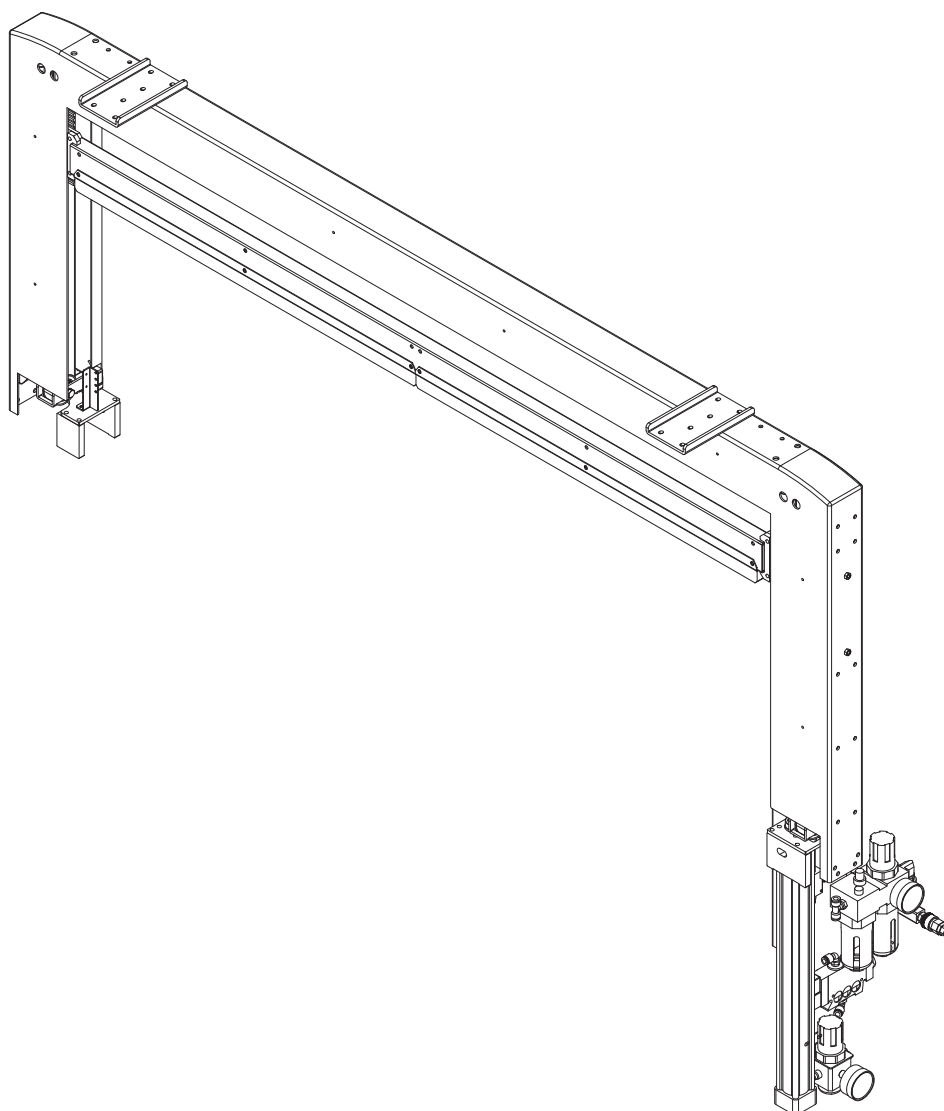


7-4

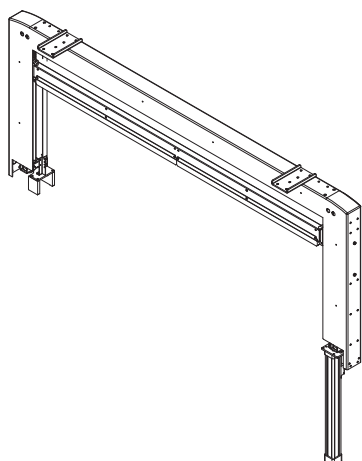
TRANSMISSIVE GROUP

M7-7-400203

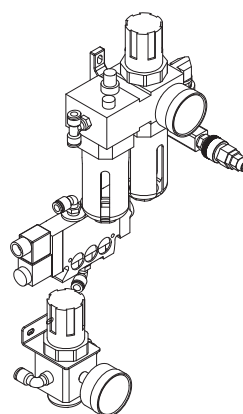
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-7-404102	Support	1	
3	M7-7-404301	Transit Roller	9	
4	M7-7-404401	Idle Pulley	2	
5	M7-7-404501	Drive Pulley	1	
6	M7-7-404601	Transit Belt	1	
7	M7-7-404700	Bracket	4	
11	T7-7-30180	Motor (M6)	1	
12	M7-7-404800	Shaft	9	
13	M7-7-405100	Motor Bracket	1	
14	T7-7-30290	Link	1	
15	T7-7-30301	Adjust Bolt	1	
16	T7-7-30310	Washer	22	
17	BQ-7-401201	Shaft	2	
21	BR6200-2RS	Bearing, 6200 2RS	22	
25	HBS0616N	HBS, M6×16 (N)	8	
26	HBS0816N	HBS, M8×16 (N)	1	
27	HBS0820N	HBS, M8×20 (N)	1	
28	HBS0830N	HBS, M8×30 (N)	4	
29	HBS0640N	HBS, M6×40 (N)	4	
31	HB1035	HB, M10×35	1	
34	KYA070735	Key, 7×7×35	1	
36	HSS0610GN	HSS, M6×10 (G)(N)	2	
37	HN10	HN, M10	2	
38	HN06	HN, M6	4	
41	TMS0610	TMS, M6×10	20	
44	SW06	SW, M6	12	
45	SW08	SW, M8	6	
46	SW10	SW, M10	2	
50	PW06C	PW, M6 (C)	8	
51	PW08C	PW, M8 (C)	6	
52	PW10C	PW, M10 (C)	3	
60	SR10	Snap Ring, S-10	2	



1



2



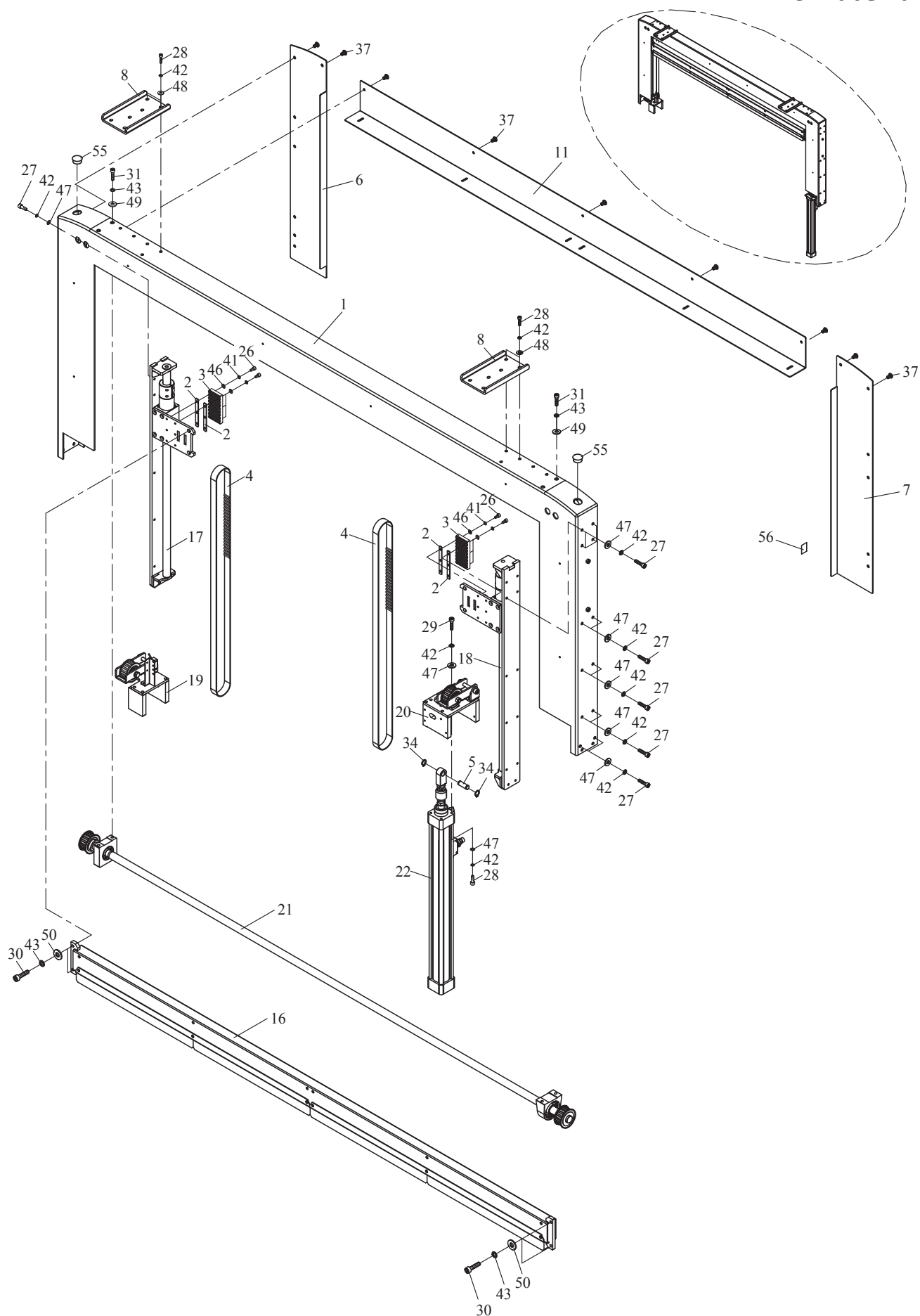
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-8-900700	Pneumatic Unit (For 1250W)	1	SEE PAGE C155
	M7-8-900710	Pneumatic Unit (For 1650W)	1	
	M7-8-100500	Press Bar Group (For 1250W)	1	
	M7-8-100510	Press Bar Group (For 1650W)	1	
2	M7-8-200700	Pneumatic Parts Group	1	SEE PAGE C173

8-1

PRESS BAR GROUP

M7-8-100500

M7-8-100510



8-1
PRESS BAR GROUP
M7-8-100500
M7-8-100510

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-8-100500	Press Bar Group (For 1250W)	1	
	M7-8-100510	Press Bar Group (For 1650W)	1	
	M7-8-107100	Arch (For 1250W)	1	
	M7-8-107110	Arch (For 1650W)	1	
	M7-8-107200	Plate	4	
	M7-8-107300	Plate	2	
	M7-8-107400	Timing Belt	2	
	M7-8-107500	Shaft	1	
2	M7-8-107600	Cover (Right)	1	
3	M7-8-107700	Cover (Left)	1	
4	M7-8-107800	Bracket	2	
11	M7-2-301540	Arch Cover (Upper, For 1250W)	1	
	M7-2-301550	Arch Cover (Upper, For 1650W)	1	
16	M7-8-120100	Press Bar Ass'y (For 1250W)	1	SEE PAGE C159
	M7-8-120110	Press Bar Ass'y (For 1650W)	1	
17	M7-8-130100	Slider Ass'y (Left)	1	SEE PAGE C161
18	M7-8-130110	Slider Ass'y (Right)	1	SEE PAGE C163
19	M7-8-140000	Synchromesh Pulley Ass'y (Left)	1	SEE PAGE C165
20	M7-8-140010	Synchromesh Pulley Ass'y (Right)	1	SEE PAGE C167
21	M7-8-150000	Shaft Ass'y (For 1250W)	1	SEE PAGE C169
	M7-8-150010	Shaft Ass'y (For 1650W)	1	
22	M7-8-160000	Cylinder Ass'y (450H)	1	SEE PAGE C171
26	HBS0520N	HBS, M5×20 (N)	12	
27	HBS0612N	HBS, M6×12 (N)	28	
28	HBS0620N	HBS, M6×20 (N)	16	
29	HBS0625N	HBS, M6×25 (N)	4	
30	HBS0816N	HBS, M8×16 (N)	4	
31	HBS0830N	HBS, M8×30 (N)	4	
34	SR12	Snap Ring, S-12	2	
37	THS0508N	THS, M5×8 (N)	18	
41	SW05	SW, M5	12	
42	SW06	SW, M6	44	
43	SW08	SW, M8	8	

8-1**PRESS BAR GROUP****M7-8-100500****M7-8-100510**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
46	PW05	PW, M5	12	
47	PW06A	PW, M6 (A)	32	
48	PW06C	PW, M6 (C)	12	
49	PW08C	PW, M8 (C)	4	
50	PW08A	PW, M8 (A)	4	
55	PV-6-201300	Gromment	2	
56	LA-50524	Sensor Reflector	1	

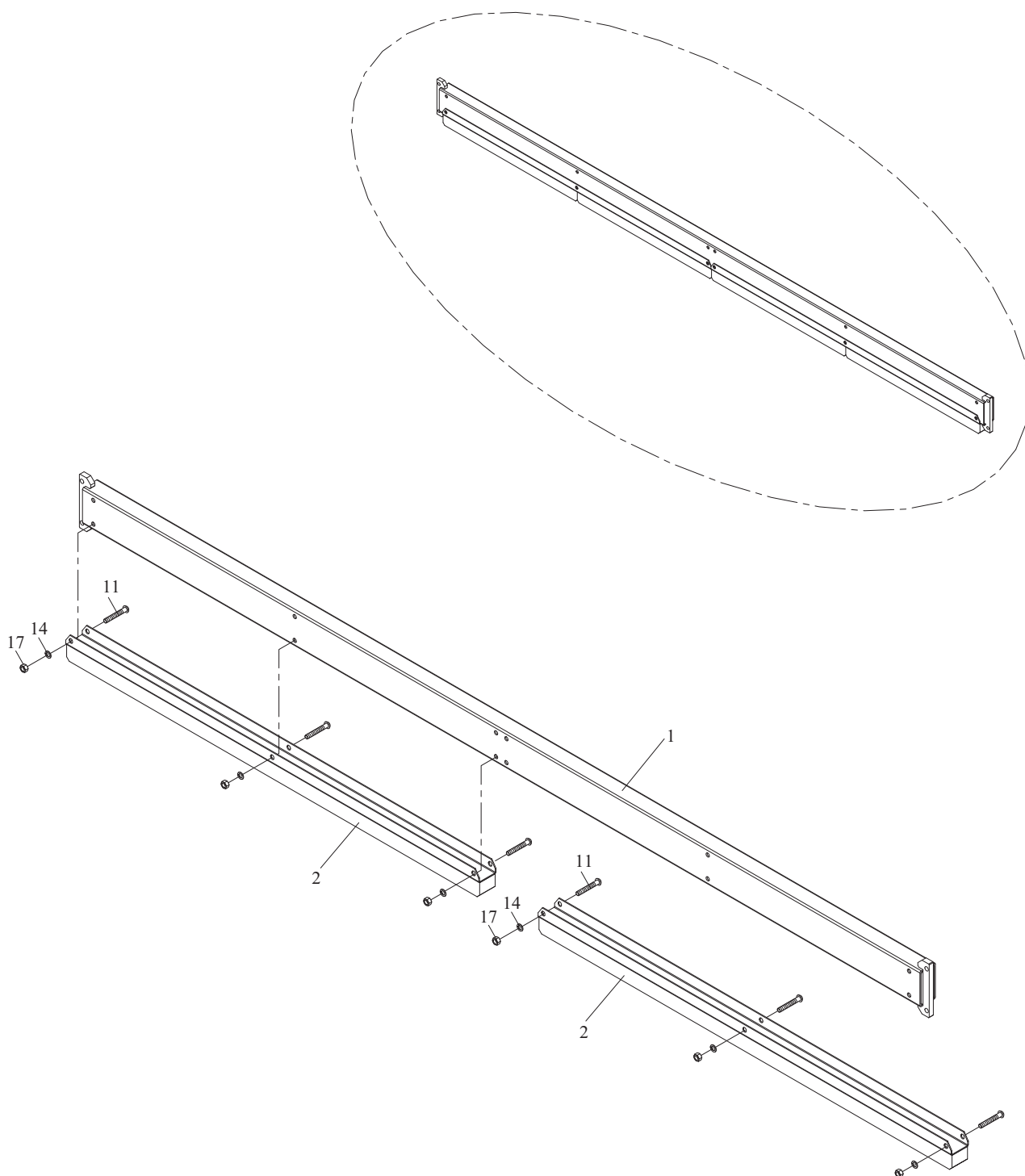


8-1-1

PRESS BAR ASS'Y

M7-8-120100

M7-8-120110



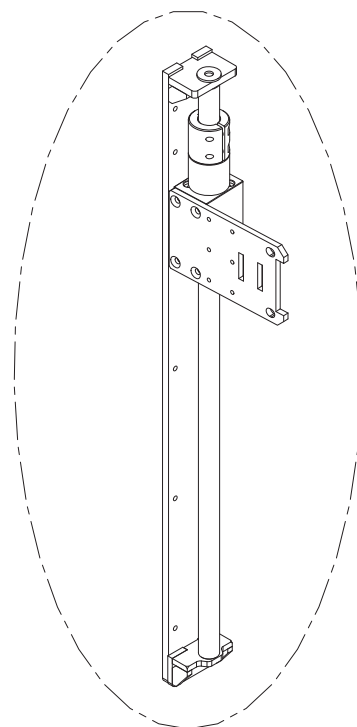
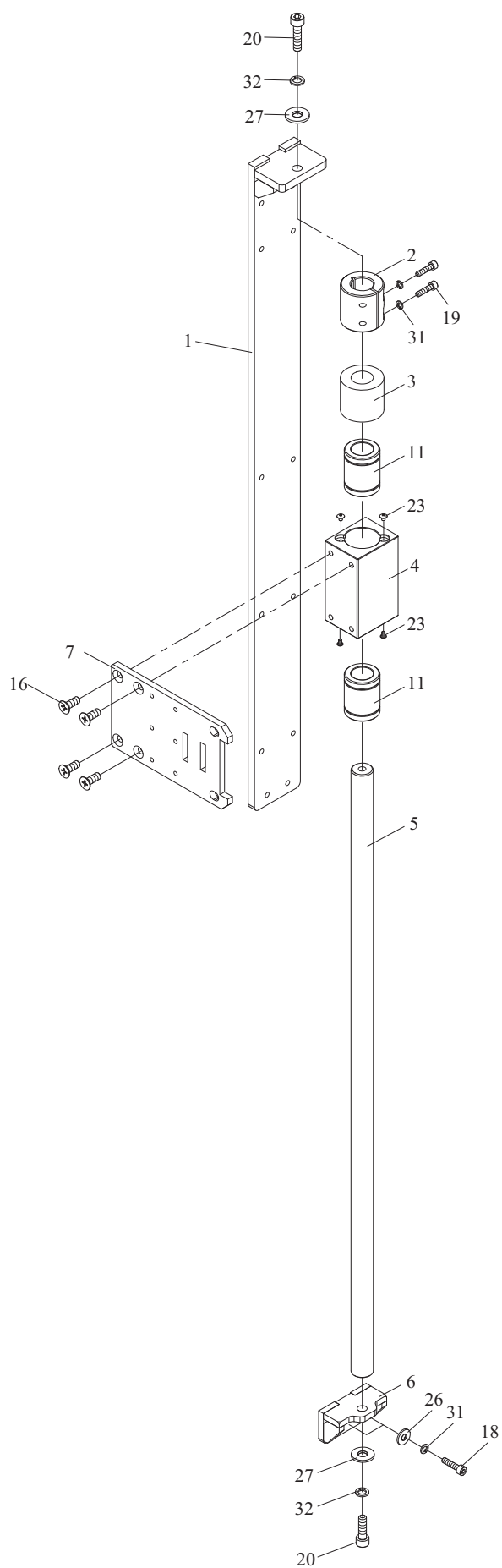
8-1-1**PRESS BAR ASS'Y****M7-8-120100****M7-8-120110**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-8-120100	Press Bar Ass'y (For 1250W)	1	
	M7-8-120110	Press Bar Ass'y (For 1650W)	1	
	M7-8-122100	Press Bar (For 1250W)	1	
	M7-8-122110	Press Bar (For 1650W)	1	
2	M7-8-122200	Press Bar Absorber (For 1250W)	2	
	M7-8-122210	Press Bar Absorber (For 1650W)	2	
11	THS0640N	THS, M6×40 (N)(For 1250W/1650W)	6	
14	SW06	SW, M6 (For 1250W/1650W)	6	
17	HN06	HN, M6 (For 1250W/1650W)	6	

8-1-2

SLIDER ASS'Y (LEFT)

M7-8-130100



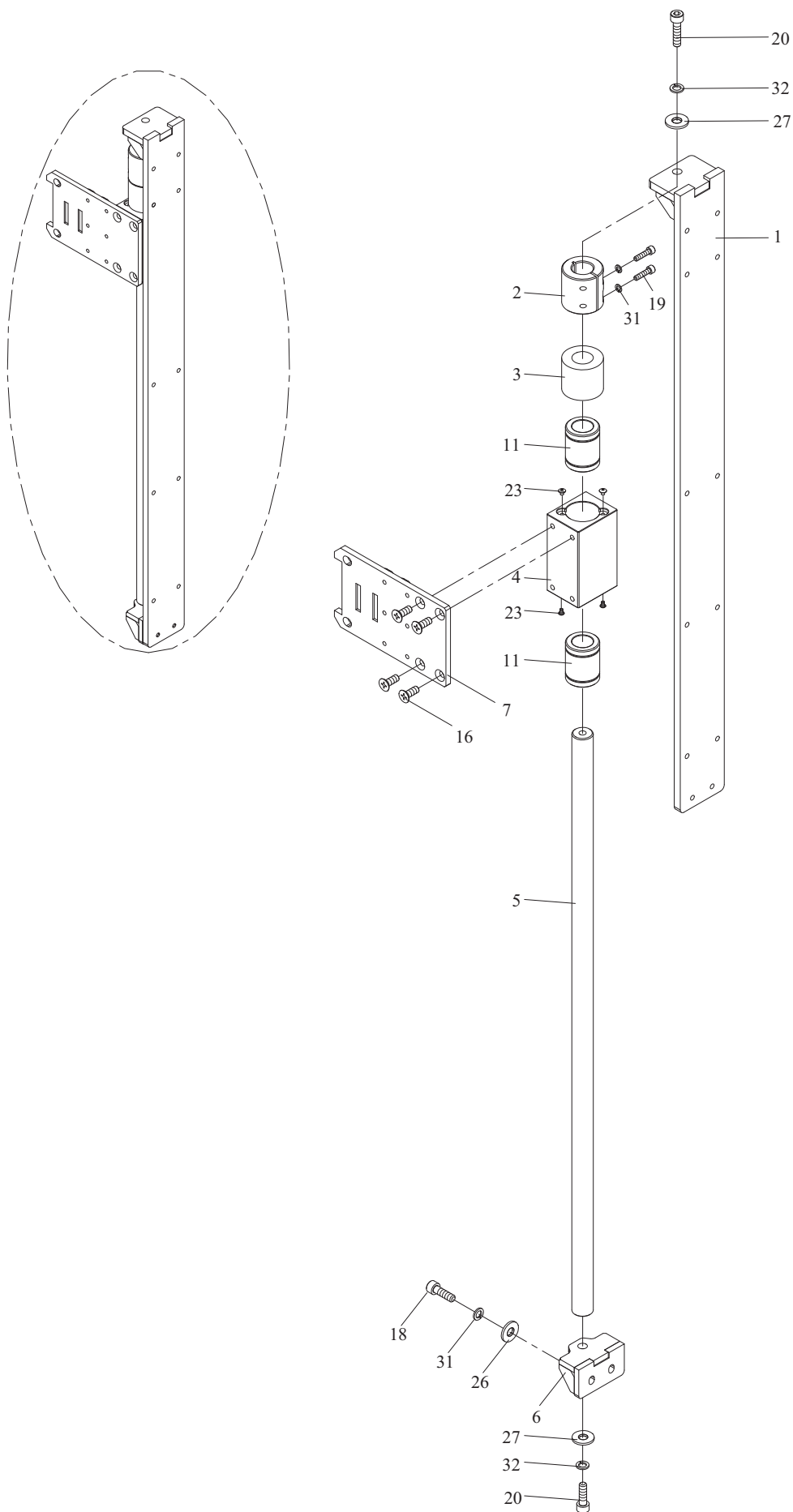
8-1-2**SLIDER ASS'Y (LEFT)****M7-8-130100**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-8-132100	Slider Bracket	1	
2	M7-8-132200	Press Bar Up Limiter	1	
3	M7-8-132300	Absorber	1	
4	M7-8-132400	Slider	1	
5	M7-8-132500	Shaft	1	
6	M7-8-132600	Bracket	1	
7	M7-8-132700	Plate (Left)	1	
11	LMBC-203242B	Ball Bushing	2	
16	FMS0616N	FMS, M6×16 (N)	4	
18	HBS0616N	HBS, M6×16 (N)	2	
19	HBS0625N	HBS, M6×25 (N)	2	
20	HBS0820N	HBS, M8×20 (N)	2	
23	TMS0408	TMS, M4×8	4	
26	PW06C	PW, M6 (C)	2	
27	PW08C	PW, M8 (C)	2	
31	SW06	SW, M6	4	
32	SW08	SW, M8	2	

8-1-3

SLIDER ASS'Y (RIGHT)

M7-8-130110



8-1-3

SLIDER ASS'Y (RIGHT)

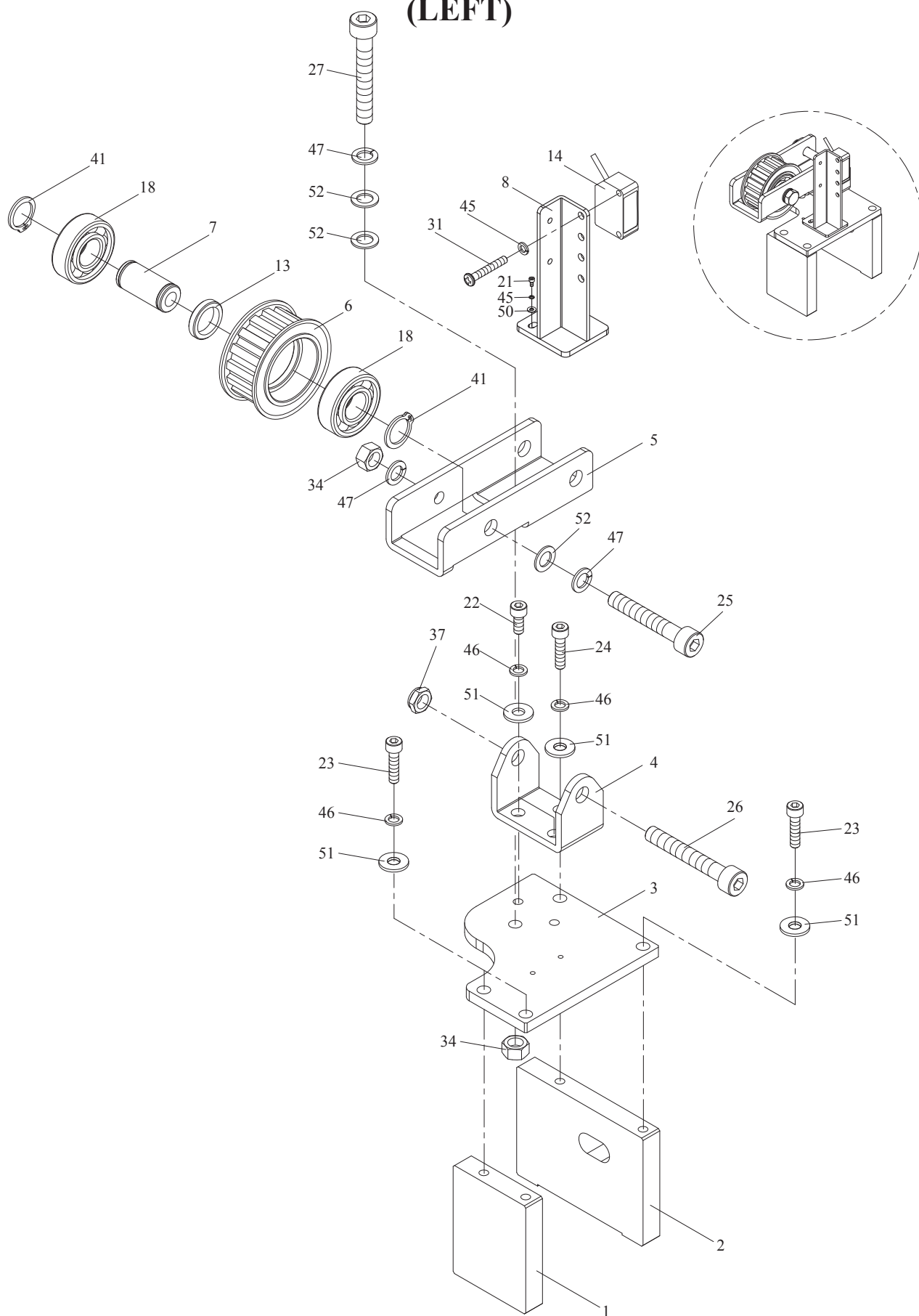
M7-8-130110

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-8-132100	Slider Bracket	1	
2	M7-8-132200	Press Bar Up Limiter	1	
3	M7-8-132300	Absorber	1	
4	M7-8-132400	Slider	1	
5	M7-8-132500	Shaft	1	
6	M7-8-132600	Bracket	1	
7	M7-8-132800	Plate (Right)	1	
11	LMBC-203242B	Ball Bushing	2	
16	FMS0616N	FMS, M6×16 (N)	4	
18	HBS0616N	HBS, M6×16 (N)	2	
19	HBS0625N	HBS, M6×25 (N)	2	
20	HBS0825N	HBS, M8×25 (N)	2	
23	TMS0408	TMS, M4×8	4	
26	PW06C	PW, M6 (C)	2	
27	PW08C	PW, M8 (C)	2	
31	SW06	SW, M6	4	
32	SW08	SW, M8	2	

8-1-4

SYNCHROMESH PULLEY ASS'Y M7-8-140000

(LEFT)



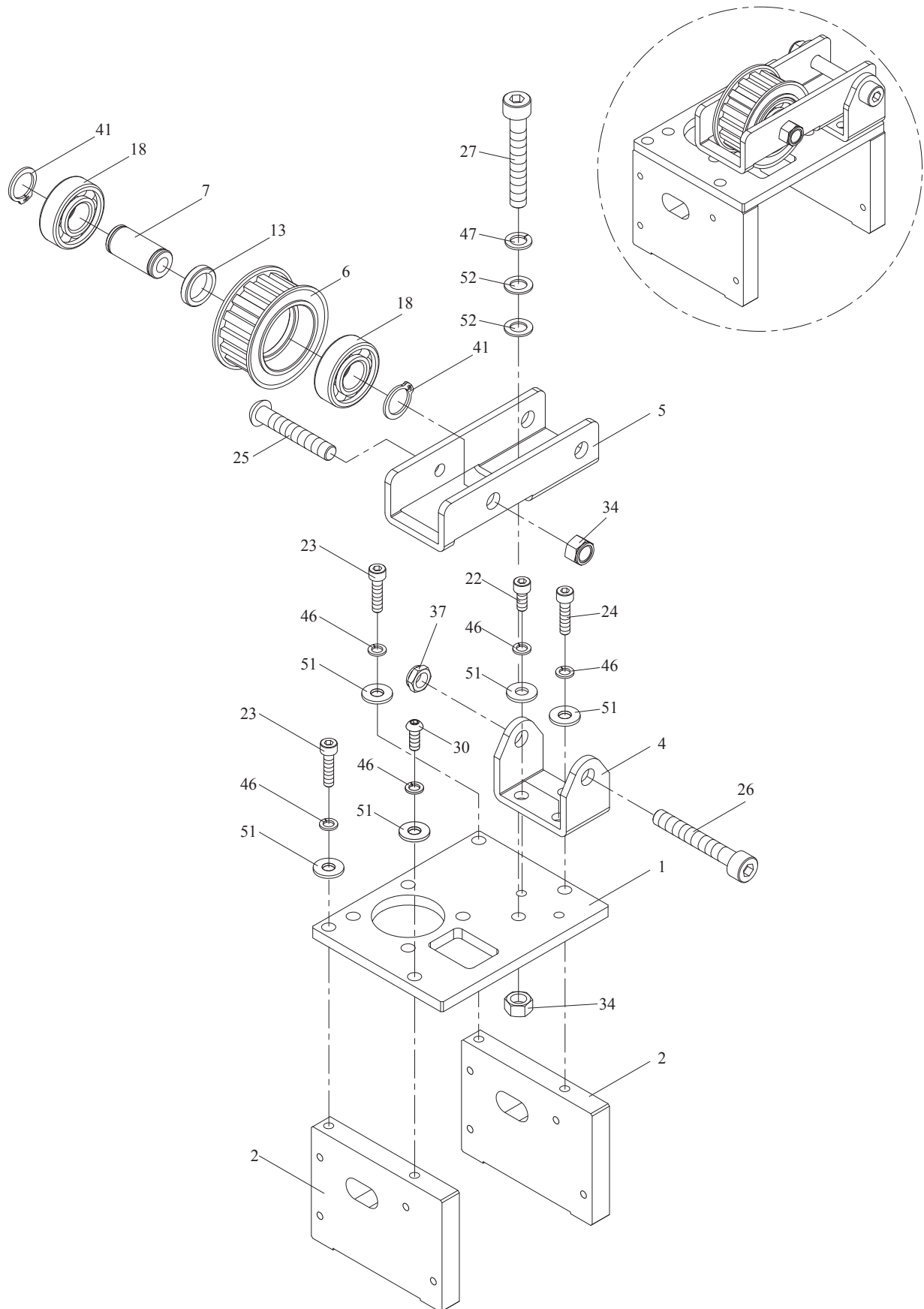
8-1-4**SYNCHROMESH PULLEY ASS'Y
(LEFT)****M7-8-140000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-8-141100	Bracket	1	
2	M7-8-141200	Bracket	1	
3	M7-8-141300	Plate	1	
4	M7-8-141400	Bracket	1	
5	M7-8-141500	Bracket	1	
6	M7-8-141600	Timing Belt Pulley	1	
7	M7-8-141700	Shaft	1	
8	M7-8-141801	Bracket	1	
13	M7-1-421700	Collar	1	
14	M7-6-301230	Photo Eye (PH1)	1	
18	BR6202ZZ	Bearing, 6202ZZ	2	
21	HBS0308N	HBS, M3×8 (N)	2	
22	HBS0612N	HBS, M6×12 (N)	2	
23	HBS0616N	HBS, M6×16 (N)	3	
24	HBS0620N	HBS, M6×20 (N)	1	
25	HBS0850HN	HBS, M8×50 (H)(N)	1	
26	HBS0860HN	HBS, M8×60 (H)(N)	1	
27	HBS0840N	HBS, M8×40 (N)	1	
31	PMS0316	PMS, M3×16	2	
34	HN08	HN, M8	2	
37	NTE08	NTE, M8	1	
41	SR15	Snap Ring, S-15	2	
45	SW03	SW, M3	2	
46	SW06	SW, M6	6	
47	SW08	SW, M8	3	
50	PW03	PW, M3	2	
51	PW06A	PW, M6 (A)	6	
52	PW08A	PW, M8 (A)	3	

8-1-5

SYNCHROMESH PULLEY ASS'Y M7-8-140010

(RIGHT)



8-1-5**SYNCHROMESH PULLEY ASS'Y
(RIGHT)****M7-8-140010**

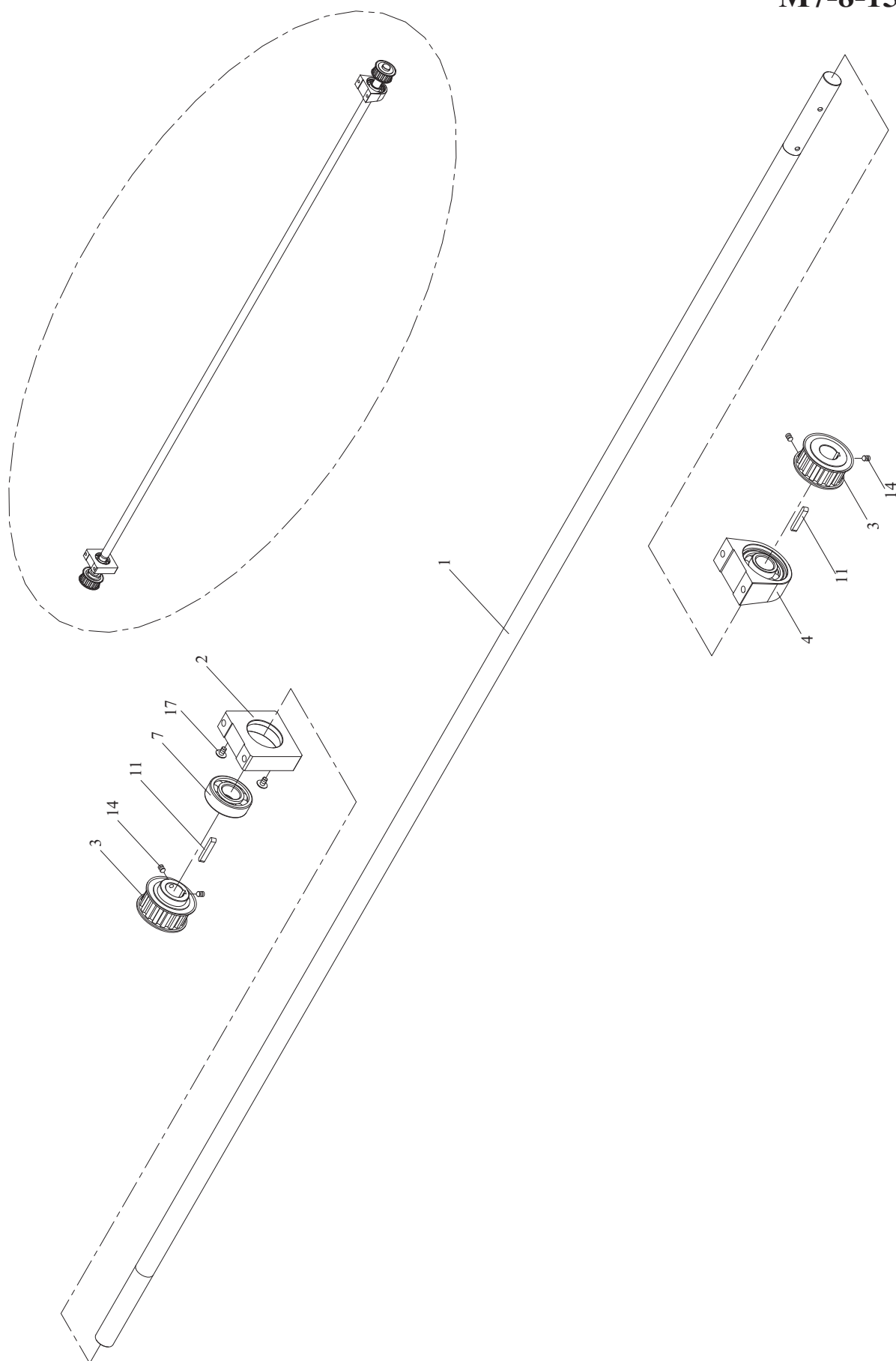
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-8-141900	Plate	1	
2	M7-8-141200	Bracket	2	
4	M7-8-141400	Bracket	1	
5	M7-8-141500	Bracket	1	
6	M7-8-141600	Timing Belt Pulley	1	
7	M7-8-141700	Shaft	1	
13	M7-1-421700	Collar	1	
18	BR6202ZZ	Bearing, 6202ZZ	2	
22	HBS0612N	HBS, M6×12 (N)	2	
23	HBS0616N	HBS, M6×16 (N)	2	
24	HBS0620N	HBS, M6×20 (N)	1	
25	THS0850N	THS, M8×50 (N)	1	
26	HBS0860HN	HBS, M8×60 (H)(N)	1	
27	HBS0840N	HBS, M8×40 (N)	1	
30	THS0616N	THS, M6×16 (N)	1	
34	HN08	HN, M8	2	
37	NTE08	NTE, M8	1	
41	SR15	Snap Ring, S-15	2	
46	SW06	SW, M6	6	
47	SW08	SW, M8	1	
51	PW06A	PW, M6 (A)	6	
52	PW08A	PW, M8 (A)	2	

8-1-6

SHAFT ASS'Y

M7-8-150000

M7-8-150010



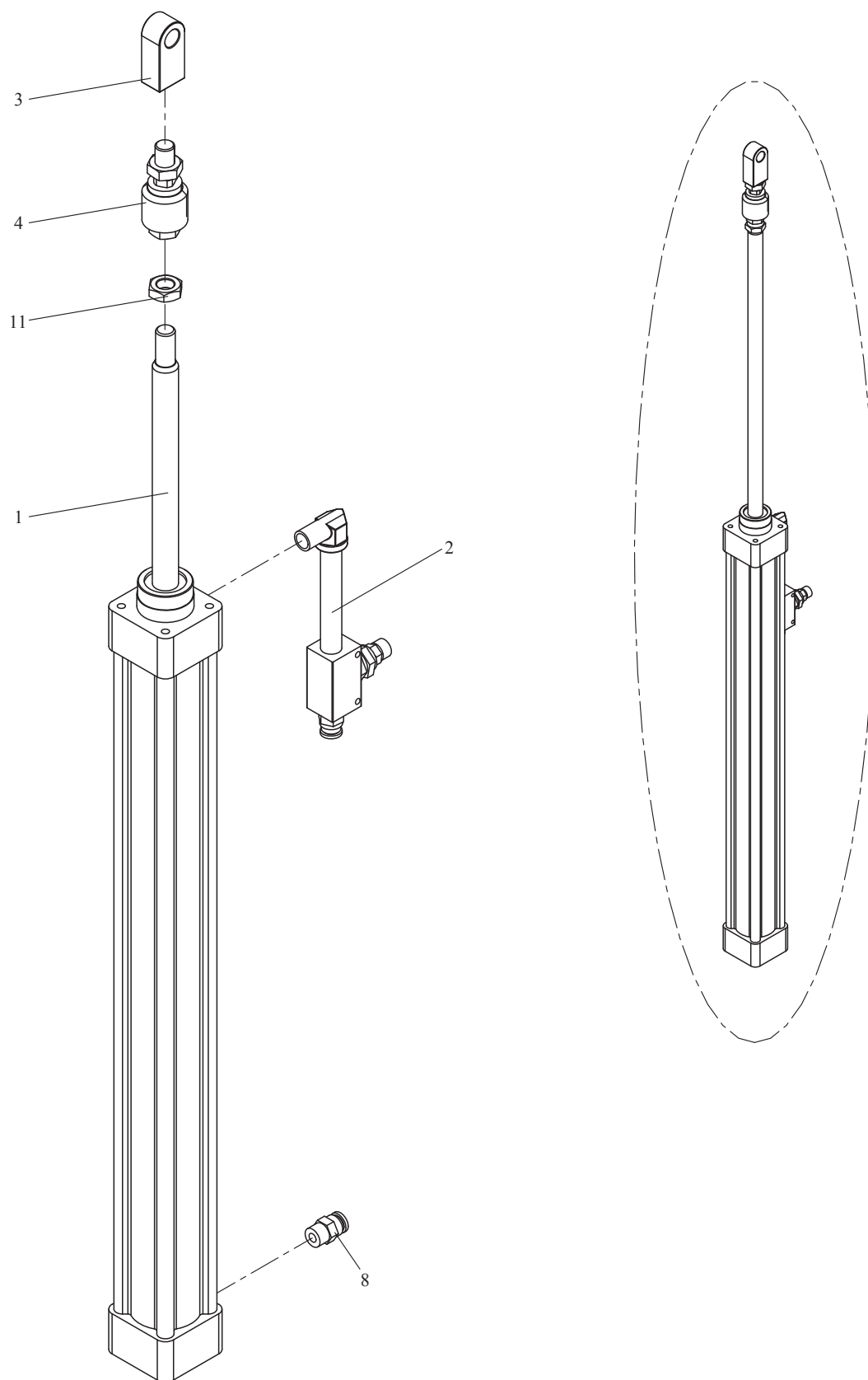
8-1-6**SHAFT ASS'Y****M7-8-150000****M7-8-150010**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-8-150000	Shaft Ass'y (For 1250W)	1	
	M7-8-150010	Shaft Ass'y (For 1650W)	1	
	M7-8-151100	Shaft (For 1250W)	1	
	M7-8-151110	Shaft (For 1650W)	1	
2	M7-8-151200	Breacket	1	
3	M7-8-151300	Timing Pulley	2	
4	M7-8-151400	Bearing Housing	1	
7	BR6204ZZ	Bearing, 6204ZZ	1	
11	KYA050532	Key, 5×5×32	2	
14	HSS0506GN	HSS, M5×6 (G)(N)	4	
17	TMS0408	TMS, M4×8	2	

8-1-7

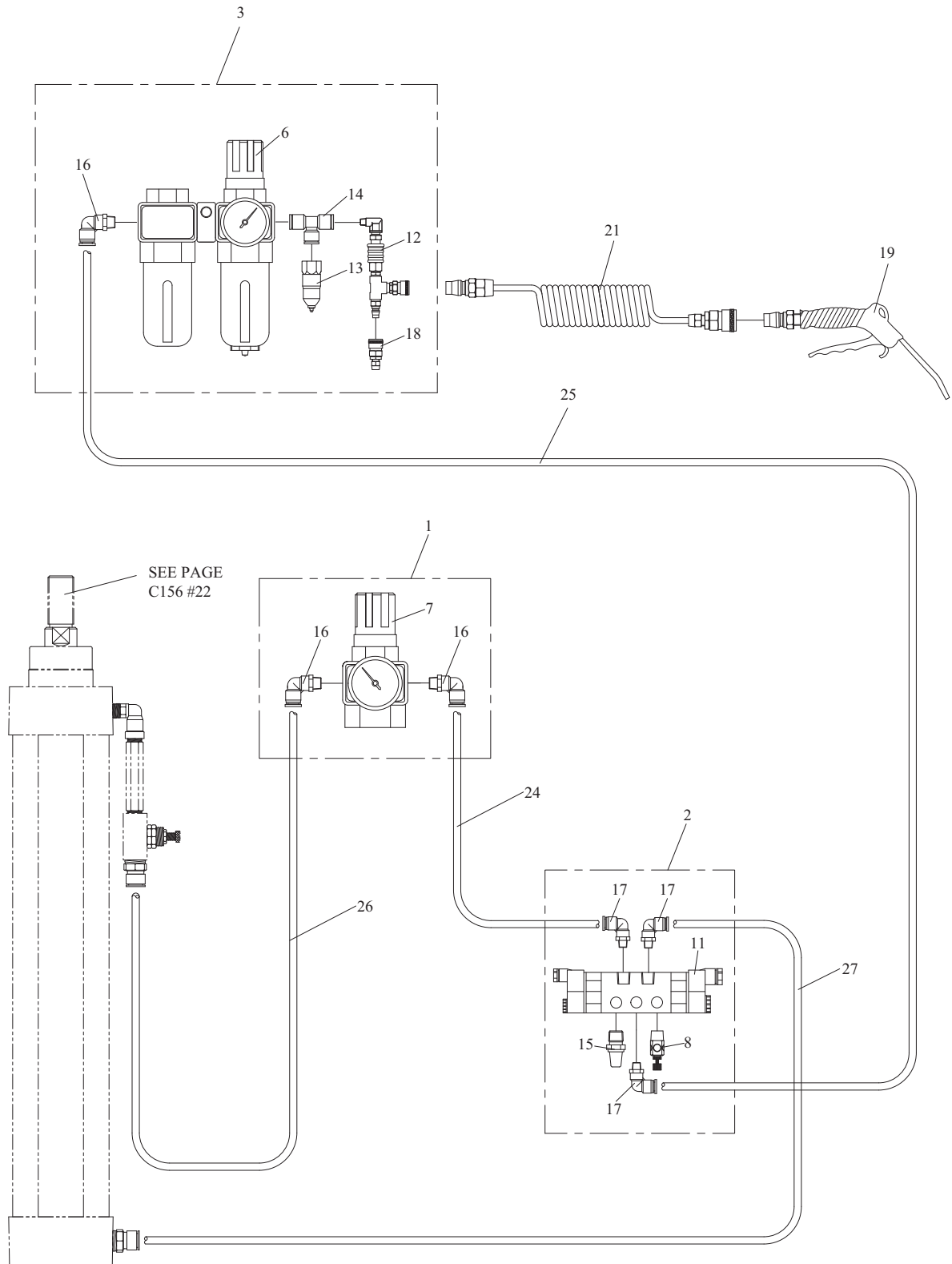
CYLINDER ASS'Y

M7-8-160000



8-1-7**CYLINDER ASS'Y****M7-8-160000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-8-161100	Cylinder	1	
2	M7-8-161200	Control Valve	1	
3	M7-8-161500	Fixing Block	1	
4	M7-8-161600	Floating Joint	1	
8	M7-8-205200	Tube Fitting-Straight, φ8-1/4"	1	
11	HN12P1.25	HN, M12×P1.25	1	



8-2**PNEUMATIC PARTS GROUP****M7-8-200700**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	M7-8-200210	Regulator Combination	1	
2	M7-8-200320	Solenoid Valve Ass'y	1	
3	M7-8-200420	Air F.R.L Units Ass'y	1	
6	M7-8-207100	Air F.R.L. (Filter/Regulator/Lubricator)	1	
7	M7-8-207200	Regulator, 3/8"	1	
8	M7-8-207300	Control Valve	1	
11	M7-8-201400	Solenoid Valve	1	
12	M7-8-203300	Quick Coupler (Male), 3/8" Ass'y	1	
13	PH-8-101700	Pressure Switch (1/4")(SQ29)	1	
14	PH-8-102000	Tube Fitting-Equal Tee, $\frac{3}{8}$ "	1	
15	PV-8-201300	Brass Silencer, 1/4"	1	
16	T7-8-30160	Tube Fitting-Elbow, $\frac{3}{8}$ "	3	
17	T7-8-30190	Tube Fitting-Elbow, $\frac{1}{4}$ "	3	
18	T7-8-30370	Quick Coupler (Female), 6.5×10	1	
19	T7-8-30760	Air Blow Gun	1	
21	PU086000	PU Recoil Tubing Ass'y, $\frac{1}{8}$ ×6000	1	
24	PU080270	PU Tubing, $\frac{1}{8}$ ×270	1	
25	PU080300	PU Tubing, $\frac{1}{8}$ ×300	1	
26	PU080460	PU Tubing, $\frac{1}{8}$ ×460	1	
27	PU080410	PU Tubing, $\frac{1}{8}$ ×410	1	