

TY PAC
Inc.

PO Box 425
Baldwinsville, NY 13027
800 356-8964 315 638-9431
FAX 315 638-9433
www.typac.net
info@typac.com

AUTOMATIC POLYPROPYLENE STRAPPING MACHINE



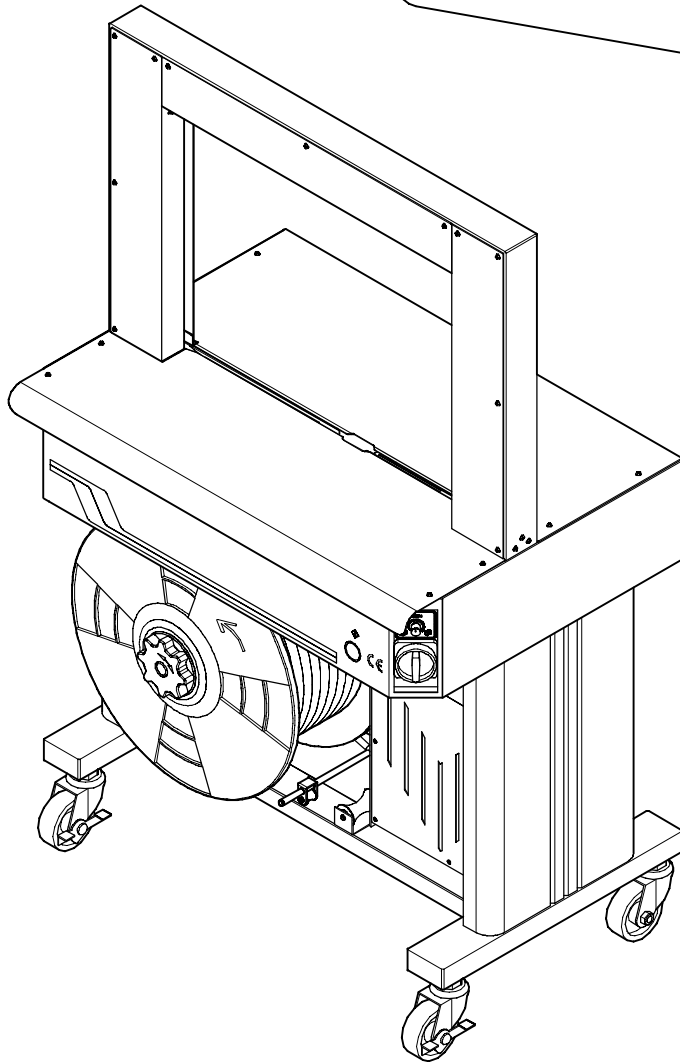
ALTUS 250

OPERATION MANUAL

&

SPARE PARTS LIST

**IMPORTANT!
KEEP IT WELL**



READ ALL INSTRUCTIONS BEFORE OPERATING THIS PRODUCT

PART I

CONTENTS

1. Safety Instructions	1~2
2. Construction and Function of Units	3
3. General Safety Remarks	4~7
(1) Basic Operation	4
(2) Basic Safety Precautions	4
(3) Safety Instructions Governing Specific Operational Phases	5
(4) Warning of Electrical Dangers	6
(5) Grounding Instructions Shall Include the Following	7
(6) Extension Cords	7
4. Machine Information	8~13
(1) Areas of Application and Machine Description	8
(2) Technical Safety Devices	9
(3) Electrical Specifications	10
(4) Technical Data	11
(5) Machine and Operating Elements	12
(6) Installation Diagram	13
5. Operational Instructions	14~19
(1) Before Operation	14
(2) How to Load and Thread P.P. Strap, and How to Operate	14
(3) Troubleshooting Device	15
(4) Strap Tension Adjustment	15
(5) How to Adjust the Right Strap Guide After Changing to a Different Strap Width	16
(6) How to Adjust the Pressure Between the Feed Wheels of M2 ...	17~18
(7) How to Adjust the Strap Amount in the Accumulator Box	19
6. Preventive Maintenance	20
(1) Maintenance and Lubrication	20
(2) Maintenance of the Unit	20

PART I

CONTENTS

- 7. Installation of Arch Unit 21~23
- 8. Control Panel and Adjustment on P.C.B.24
- 9. Wiring Diagram 25~26

1. Safety Instructions

(1) Before operating

- a. Please always wear proper eye protection and safety gloves before operating this machine.



Eye protection must be worn



Safety gloves must be worn

- b. Please make sure if the power voltage is correct.
c. It can only be operated with P.P. strap; not PET strap or Polyester cord strap.

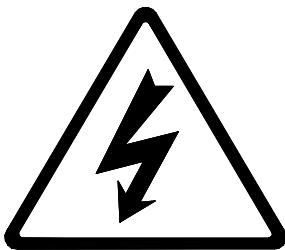
(2) During operating

- a. The weight of package should not exceed 50kg, and the size should not be less than 90mmx20mm
b. Check if the machine emits any smokes or unusual sound when it is running.
c. Warning
c-1. For your own safety, please read instruction manual before operating. Keep away from arch while the machine is running.
c-2. Do not put your hands or body into the Archworking area when the machine is running.

(3) After operating

- a. Please pull out the power plug.
b. Please get rid of the dirt or impurity on the machine.

(4) Signs



Caution, risk of electric shock



Do not touch!

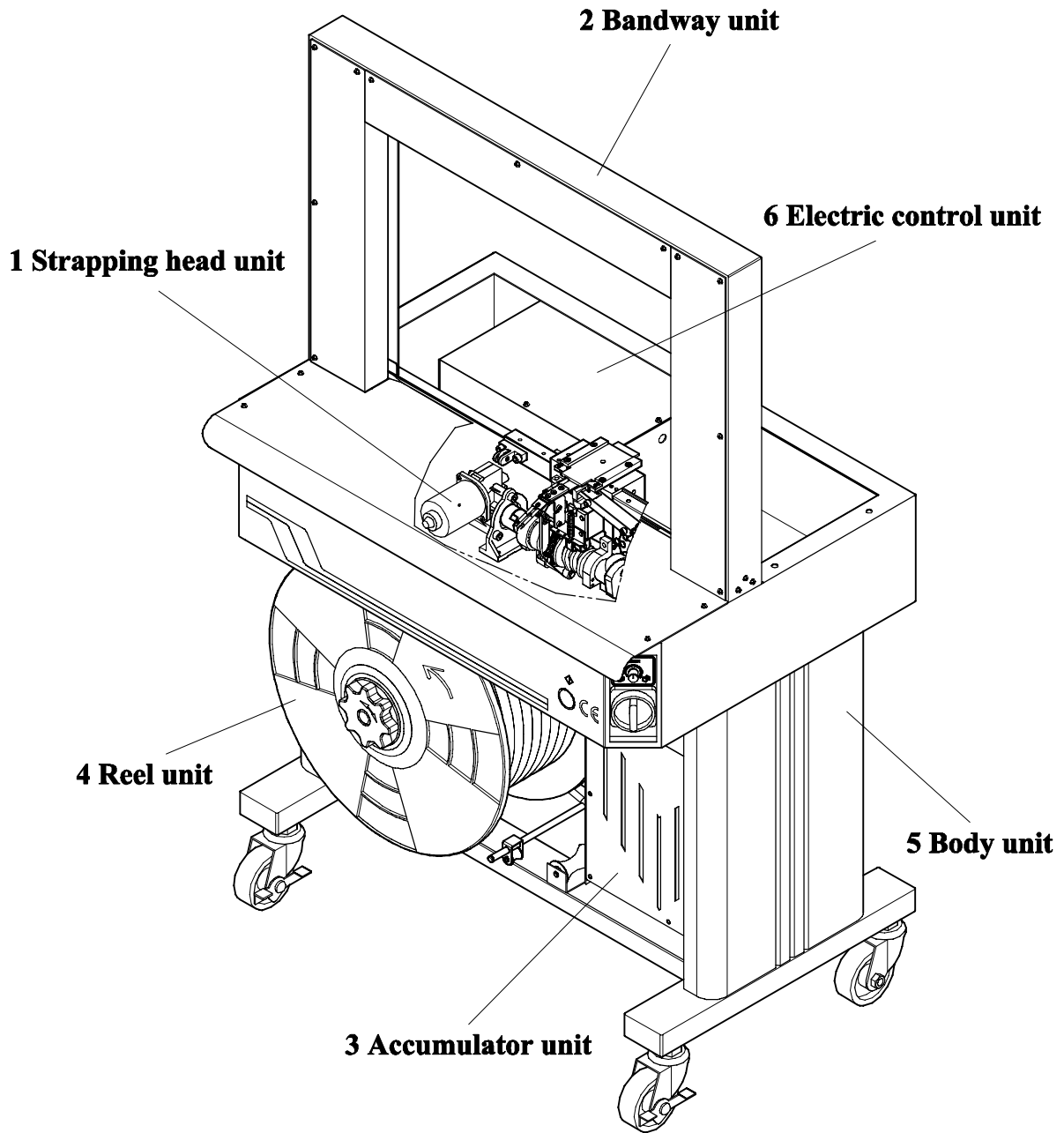
(5) Maintenance

- a. Please turn off the power before opening the top plate.
- b. Please do not touch the heater due to the high temperature.

(6) Other remainders

- a. A safety manual must remain attached to the machine at all times
- b. Do not alter circuits and machine unless authorized to do so by the manufacturer.
- c. All electrical apparatus must be properly grounded.
- d. Wire the machine according to the local electrical code.

2. Construction and Function of Units



3. General Safety Remarks

(1) Basic Operation

The manual and the safety remarks are to be read before use. The operation manual is to be kept with the machine. Intervals for maintenance and inspections are to be adhered to.

The machine was built in accordance with state-of-the-art standards and recognized safety rules. Nevertheless, Improper use may cause a risk to life and limb of the user or a third party and it may cause damage to the machine and other material property.

The machine must only be used in technically perfect condition in accordance with its designated use and the instructions stated in the operation manual. It is only to be operated by reliable, well trained personnel that is aware of the risks in using the machine. Therefore, any malfunctions, especially those affecting the safety of the machine, must be eliminated.

The machine may be operated for its designated use only.

(2) Basic Safety Precautions

The user is to be instructed in all other generally applicable legal and other mandatory regulations relevant to accident prevention and environmental protection in addition to the operation instructions.

Long hair must be tied back or otherwise secured, garments must be closefitting and no jewelry may be worn for reasons of security.

Use protective equipment whenever required by circumstances or by law.

Carefully observe all safety instructions and warnings attached to the machine and make sure that they are always complete and perfectly legible.

Always make sure that persons being trained and instructed in working on or with the machine are permanently supervised by an experienced person.

Work on the electrical system and equipment of the machine is only to be carried out by a skilled electrician or by instructed persons under the supervision and guidance of a skilled electrician and in accordance with the rules and regulations of electricalengineering.

(3) Safety Instructions Governing Specific Operational Phases

Avoid any operation mode that might be unsafe.

All necessary precautions to ensure that the machine is only used being in a safe and reliable state are to be taken. The machine is only to be operated if all protective and safety devices, such as removable safety devices, emergency shut-off equipment, noise-protection elements and exhausters are in right place and fully functional.

The machine is to be checked for damage and defects at least once per work shift. Any changes including the working behaviour of the machine are to be reported to competent persons immediately. If necessary, the machine is to be stopped and locked off immediately.

In case of any malfunction the machine is to be stopped and locked off immediately and the defect has been eliminated.

Generally make sure that nobody is at risk before starting the machine.

Operating personnel are to be briefed before executing special operations and maintenance work and a supervisor is to be appointed.

Always tighten unscrewed connections after maintenance and repair.

After completing maintenance and repair all safety devices removed for setting up or repairing the machine must be refitted and checked for functionality immediately.

To minimize the enviromental impact all consumables and replaced parts must be disposed of safely.

Before starting the machine check that the accessories have been stowed away safely.

Operations that may be a risk to the stability of the machine are to be avoided.

(4) Warning of Electrical Dangers

Electrical Energy

Only use original fuses with specified current rating. Switch off the machine immediately in case of trouble occurring in the electrical system.

Only a skilled electrician or specially instructed personnel under the supervision of a skilled electrician may work on the electrical system and always in accordance with the applicable electrical engineering rules.

If necessary according to the regulations, the power supply to the machine is to be cut off from parts of the machine for inspection, maintenance and repair work. Safe working procedures are to be employed while working on the machine in accordance with local and national legal regulations.

The electrical equipment of the machine is to be checked and inspected at regular intervals. Loose connections or scorched wires must be replaced at once.

Always ensure that work on live parts and elements is carried out under the surveillance of a second person who cuts off the power supply in case of danger by actuating the emergency shut-off or main power switch. Always secure the working area with safety tape and a warning sign. Only use insulated tools for work.

Ground the supply cable and short-circuit components, such as capacitors with a ground rod before starting to work on high-voltage assemblies. Cut off the power supply before doing any work.

Before recommissioning the machine carefully refit and fasten all parts removed for transport.

Before moving the machine always cut off the external power supply. Before recommissioning reconnect the machine to the mains supply properly.

(5) Grounding Instructions Shall Include the Following :

-GROUNDING INSTRUCTIONS

-This product should be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This product is equipped with a cord having a grounding wire with 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.

-DANGER-

-Improper installation of the grounding plug bears the risk of electrocution. If repair or replacement of the cord or plug is necessary, do not connect the grounding wire to any of the flat blade terminal. The wire with a green insulation sheath (with or without yellow stripes) is the grounding wire.

-Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the product is properly grounded. Do not modify the plug provided; if it will not fit the outlet, have the proper outlet installed by a qualified electrician.

-This product is for use on a nominal 110(230)-volt circuit and has a grounding plug. Make sure that the product is connected to an outlet having the same configuration as the plug.

(6) Extension Cords:

-Only use a 3-wire extension cord that has a 3-blade grounding plug, and a 3-slot receptacle suitable for the plug of the product. Make sure your extension cord is in good condition. When using an extension cord, be sure to use the right cable size to carry the load of your product. A cord of insufficient capacity will cause a drop in line voltage resulting in loss of power and overheating. Refer to the following table.

<u>Length</u> (ft)	<u>25</u>	<u>50</u>	<u>100</u>	<u>150</u>	<u>200</u>	<u>250</u>	<u>300</u>	<u>400</u>	<u>500</u>
<u>Gauge</u>	16	14	10	8	8	6	6	4	4
<u>mm²</u>	1.25	2	5.5	8	8	14	14	22	22

4. Machine Information

(1) Areas of Application and Machine Description

This plastic strapping machine can be used for all types of packing applications and package sizes of 90x20 mm and up.

This machine is particularly suitable for heavy packaged goods as well as printed products, boxes, etc.

Machine Description

Automatic plastic strapping machine for use with polypropylene strapping

Extra tough construction

Simple, safe and user-friendly operation

Small-loopejection

Table surface made of stainless steel

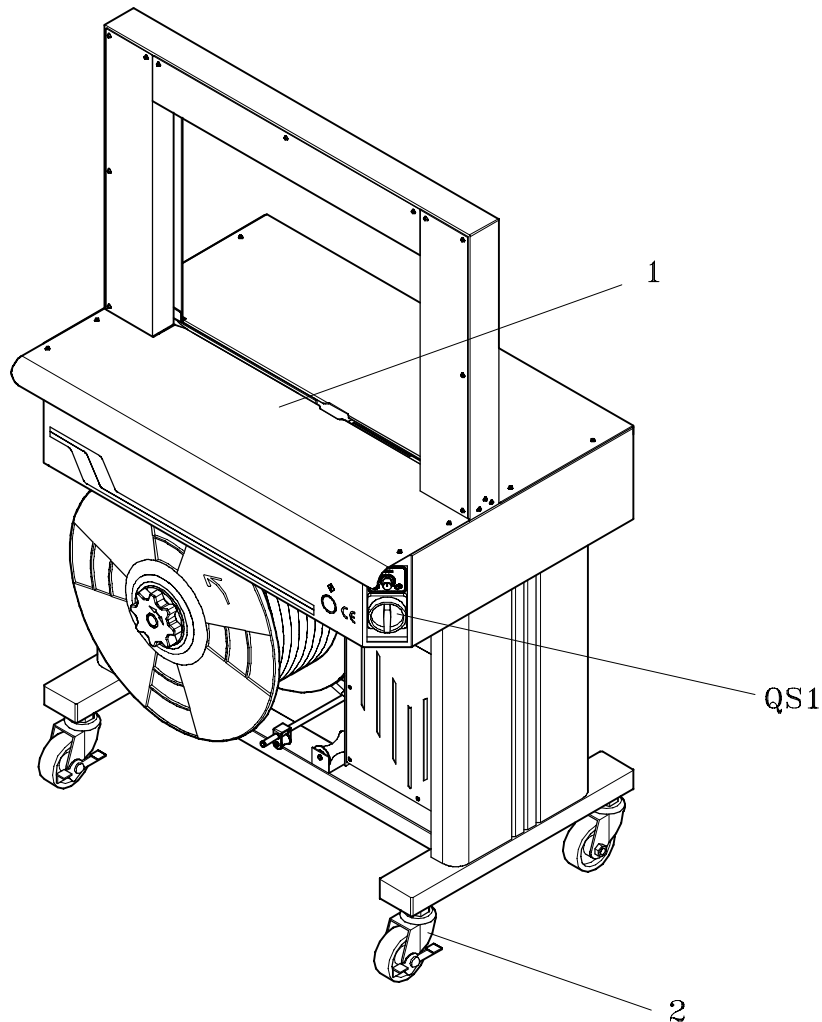
Two castors, all lockable to ensure safe machine operation

Extremely low noise control unit

Strap tension adjustable from low to extremely high

(2) Technical Safety Devices

This machine must only be operated with polypropylene strapping. The use of other synthetic straps can produce substances hazardous to health.



Caution!

Danger of burns near the heating unit! (1)

Dangerous points in the machine are covered by the screwed table top.

To move the machine the two lockable castors (2) have to be unlocked. Relock the two castors when machine is in new position.

Description of the Safety Devices

The machine is turned on when connected to the main supply and the main switch QS1 switched to ON position.

The machine is switched on and off with the main switch QS1 which is located on the machine front operating panel.

(3) Electrical Specifications

System configuration:	1L+N+PE	1L+N+PE
Nominal power:	425W	425W
Rated current:	3A	5A
Rated voltage:	220V/230V/240V	110V
Rated frequency:	50Hz	60Hz
Type of current:	1AC	1AC

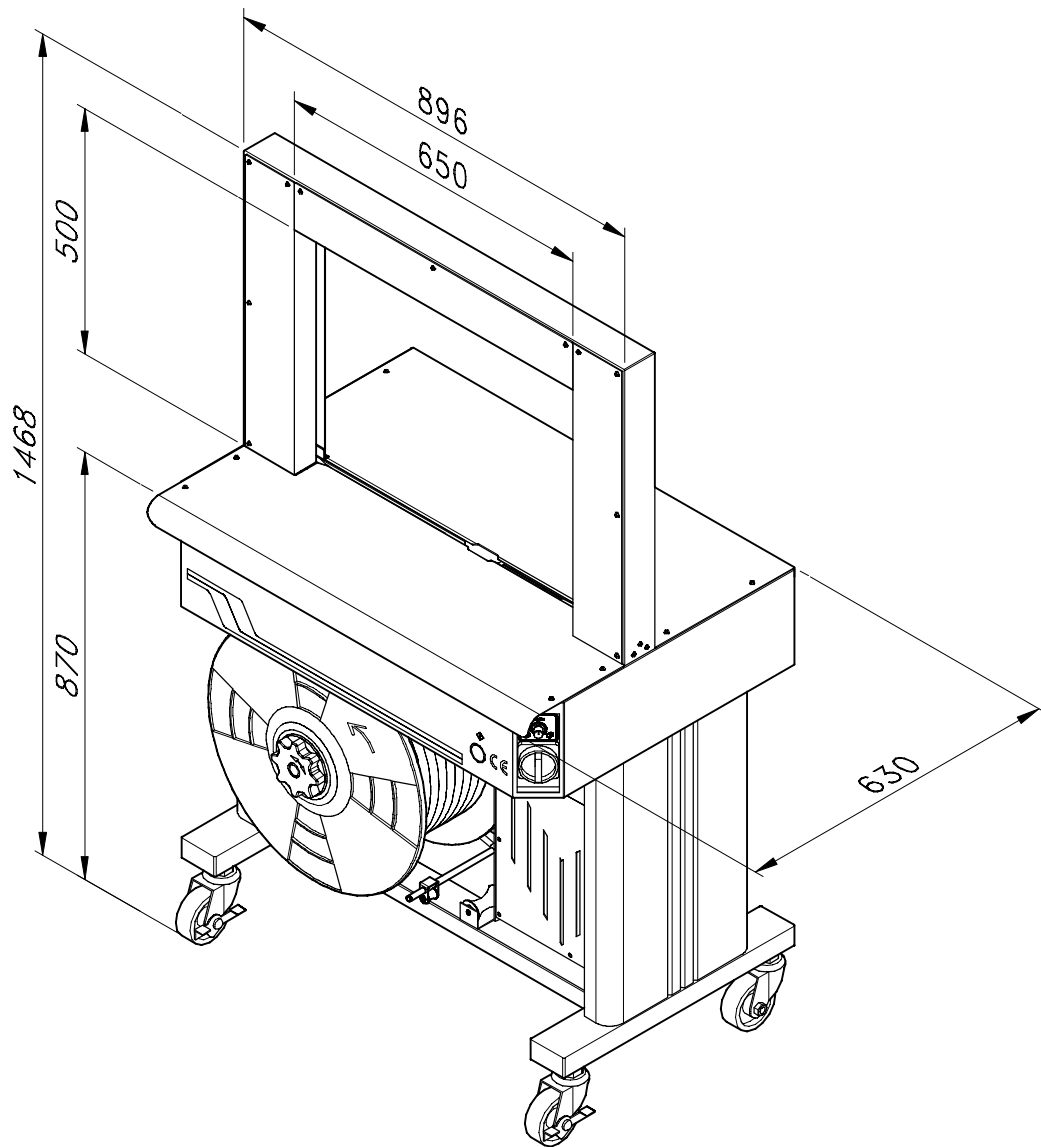
Minimum Requirements

The electrical supply line for the machine has to have a minimum cross-section of at least 3 x 1.0 mm².

Maximum fuse protection for the supply line may be up to 10 amps. The machine is connected to a 10 amps earthed 3 pin plug.

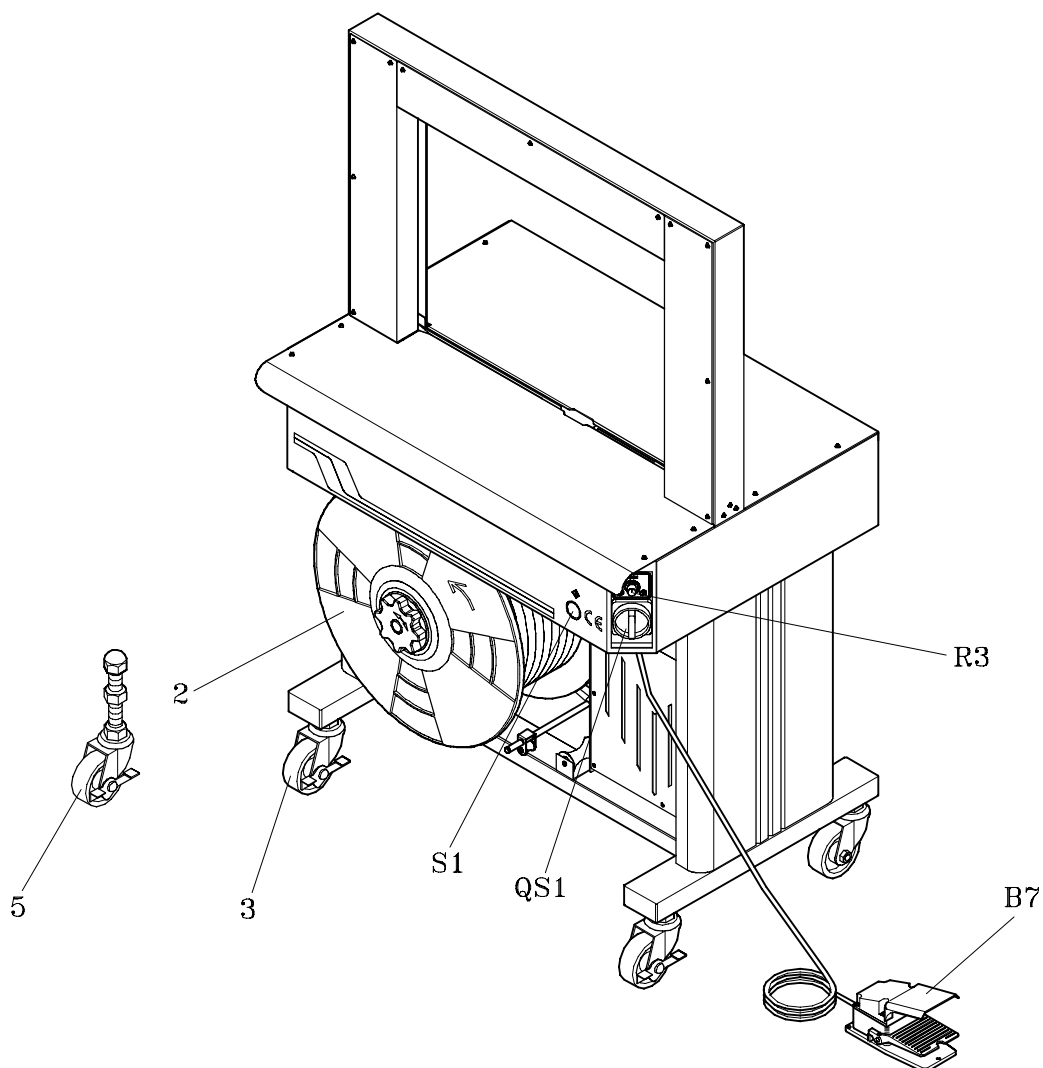
The machine must be set up in dry rooms only.

(4) Technical Data



Sealing method	Heat
Strap width:	5.0 mm ,6.0 mm
Strap thickness:	0.4 mm up to 0.65 mm
Strap reel diameter:	200 mm
Width :	896 mm
Depth:	630 mm
Table height:	870 mm (Standard) adjustable 870~950 mm (Option)
Electrical connection:	AC 110V, 220V/230V/240V (50/60Hz) Single phase
Weight:	125 kg
Noise emission:	70dB (A)

(5) Machine and Operating Elements



R3 potentiometer for tension

S1 Start switch

QS1 Main switch

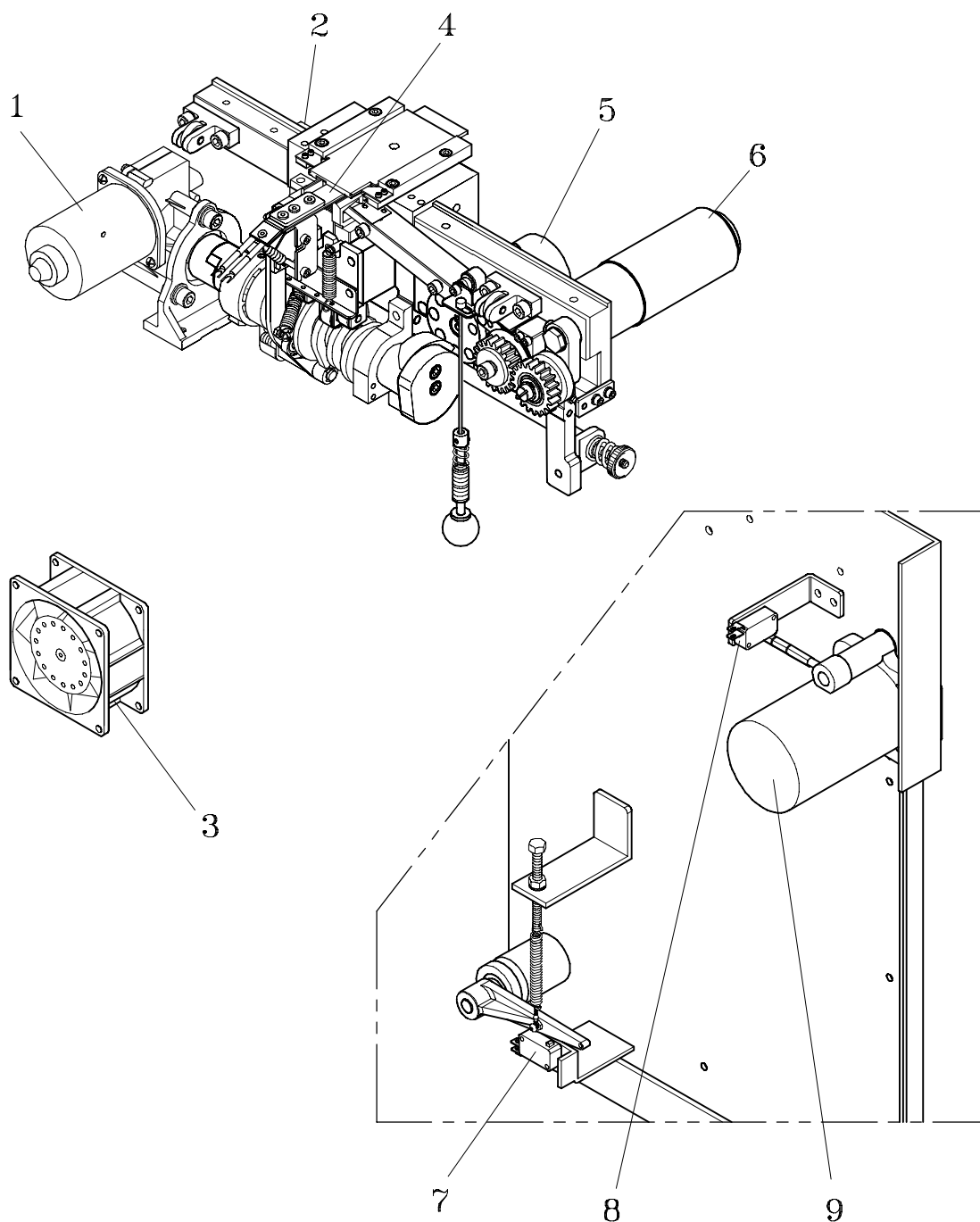
2 Strap coil

3 Casters

5 Adjustable Casters (Option)

B7 Foot pedal (Option)

(6) Installation Diagram



- 1 Main motor M1
- 2 Micro switch SQ1 (For short feed sensor)
- 3 Fan
- 4 Heater
- 5 Feeding and reversing motor M2
- 6 Tension motor M3
- 7 Micro switch SQ4 (Control the amount of P.P. strap in the accumulator box)
- 8 Micro switch SQ5 (End of strap detector switch)
- 9 Strap accumulator motor M4

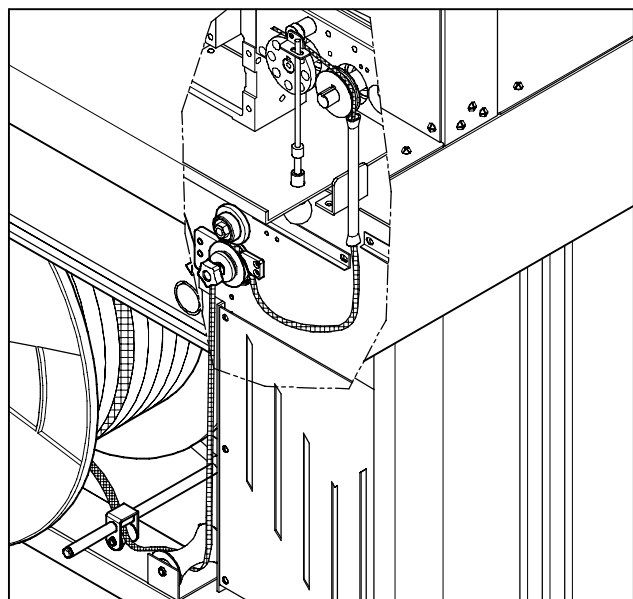
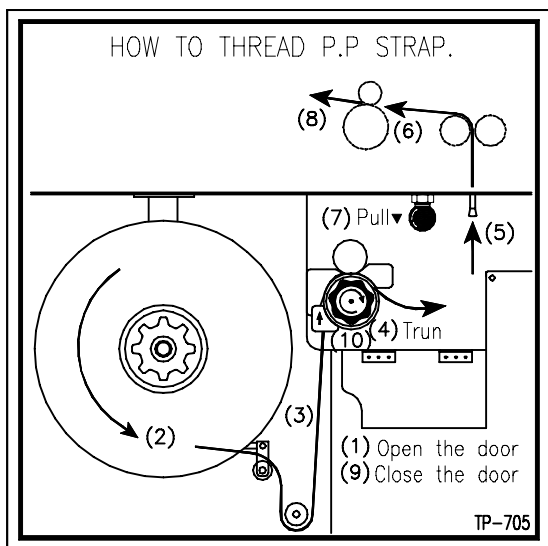
5. Operational Instructions

(1) Before Operation

After turn on main switch QS1 to ON. (SEE PAGE 12), you must press down the START SWITCH so that the machine can start to operate.

(2) How to Load, thread P.P. Strap and How to Operate

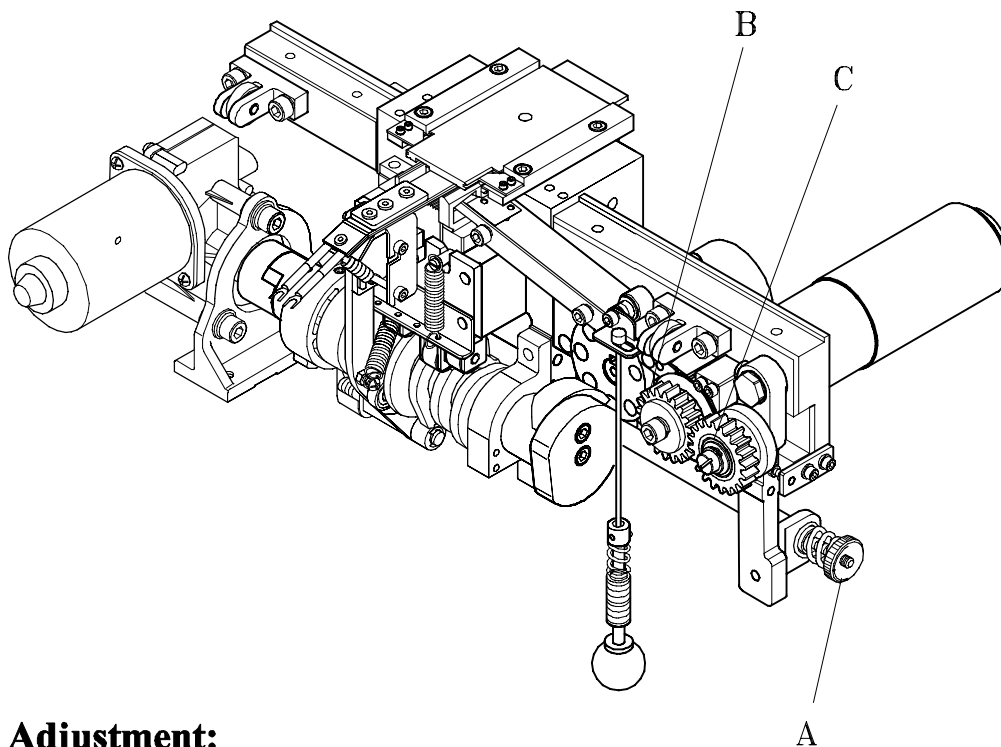
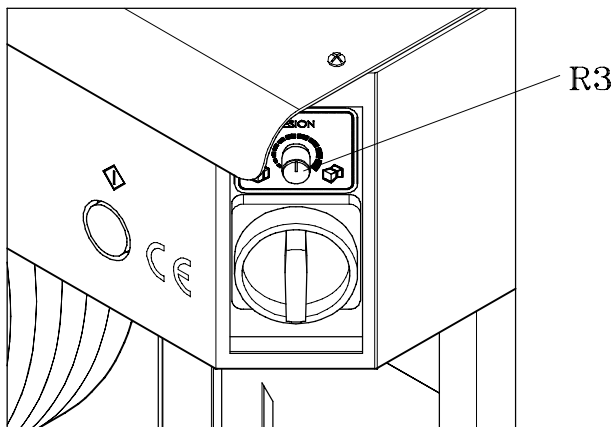
- a. Turn main switch QS1 to ON. (SEE PAGE 12)
- b. Place a strap coil on the reel holder. The direction of the strap coil should be counterclockwise. Then slide on the reel outer flange and tighten with the reel nuthandle.
- c. Open the front door (1).
- d. Pull out about 1M of the P.P. strap from the strap coil and thread the strap end on the guide roller and then into the first inlet (there is a red arrow)(10).
Continuously push the strap with your left hand up to the Accumulator Main Roller. You can feel a little bit stuck. Then use your right hand to turn the Knob (4) clockwise to let the strap pass, then pull the strap out about 50 CM, and insert the strap end into the second inlet (5).
Continuously push the strap with your right hand up to the feeding roller. Then use your left hand to pull the handle (7) down to let the strap pass about 1 CM, then release the handle.
- e. Close the front door.
- f. Push start switch S1 (SEE PAGE 12) so that the strap will be fed into the accumulator and will be sent off the strap to the sealing point.
- g. Wait around 3min until heater reach working temperature.
- h. Place the package in the middle of the chute.
- i. Adjust tension by R3 (SEE PAGE 12), turn clockwise to increase, and counterclockwise to decrease.
- j. Push start switch S1 (SEE PAGE 12) or actuate foot pedal switch B7 (SEE PAGE 12) to start strapping.



(3) Troubleshooting Device

Press down the START SWITCH when the machine fails to make feeding. Chute will open and the machine will send off a certain length of the strap. HOLD ON the strap and press down the START SWITCH again, machine will reverse strap then go to home position and refeed the strap to the sealing point.

(4) Strap Tension Adjustment

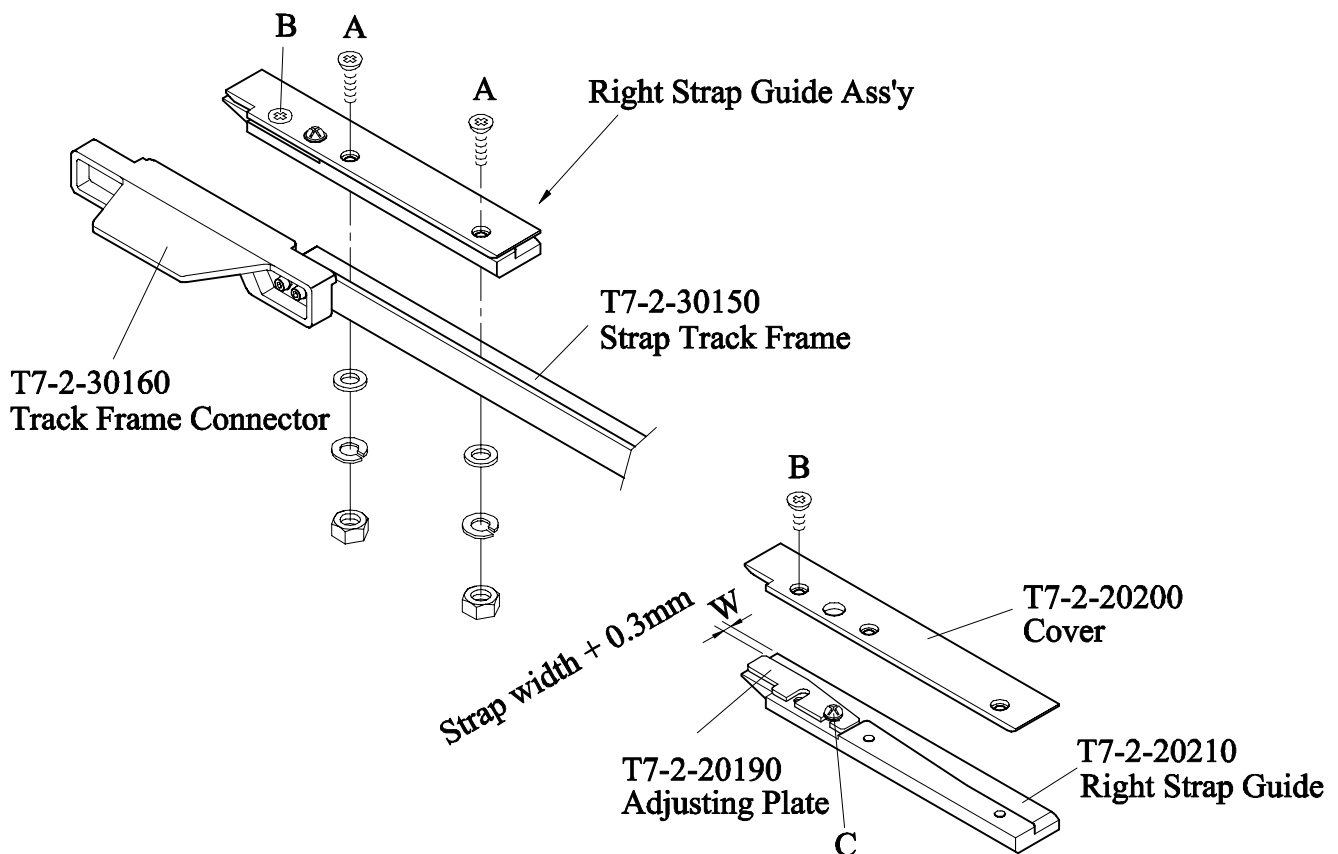


Adjustment:

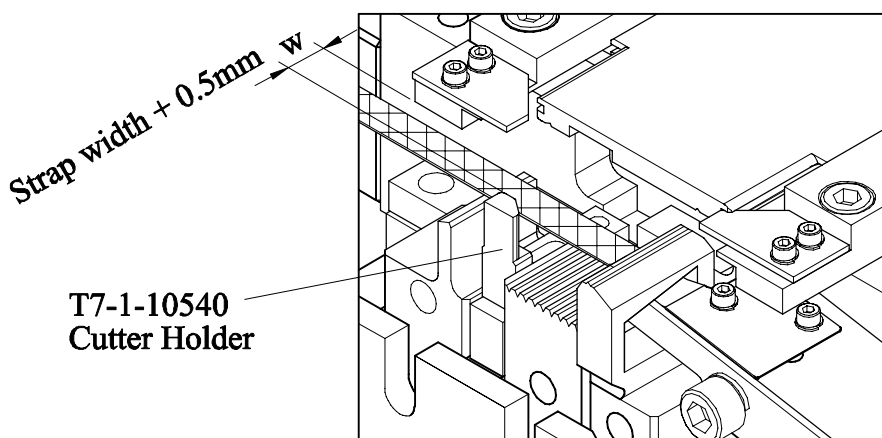
If R3 (strap tension adjustment) is on MAX position make sure that A is turned clockwise until the strap is no longer sliding between rollers B and C. Reverse action to reduce strap tension.

(5) How to Adjust the Right Strap Guide After Changing the Strap Width Between 5mm and 6mm

- a. Please refer to the following drawing and take off the two screws A and then unscrew screw B so that you can take out T7-2-20200 Cover.
- b. Please loosen Screw C and then adjust T7-2-20190 Adjusting Plate so that the width of W is 0.3mm wider than the strap you would like to use. Then, please tighten Screw C.
- c. Please put the T7-2-20200 Cover back and then tighten screws B and A.



- d. The distance between T7-1-10540 Cutter holder and T7-2-30120 Guide LH must be wider than strap you used about 0.5 mm.

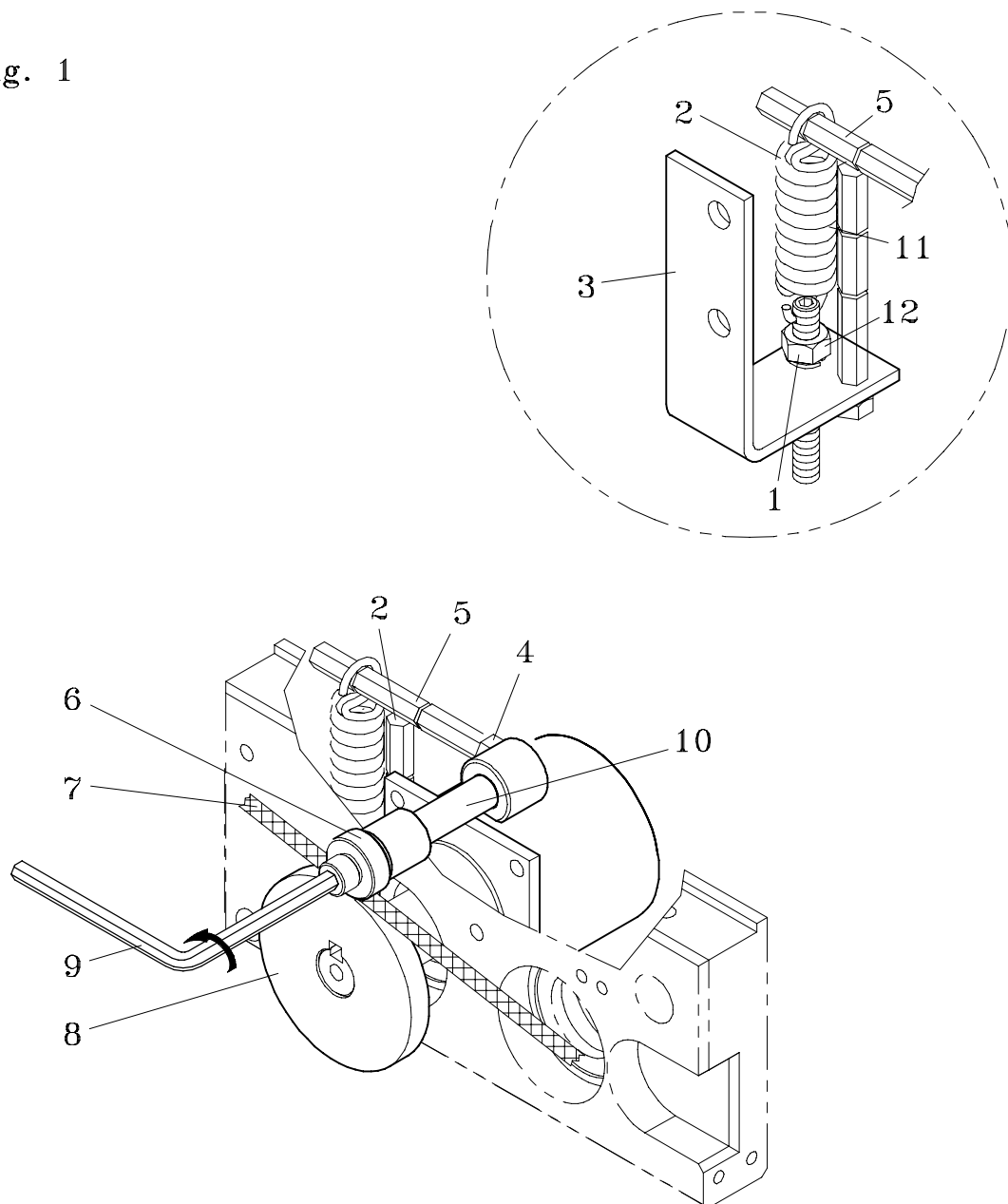


(6) How to Adjust the Pressure Between the Feed Wheels of M2.

Please refer to the following drawing. (Fig. 1)

- a. Please loosen #1. Then, turn up #2 until its beginning of thread is on the same horizontal surface of the bottom of #3 (the beginning thread of #2 should not be extrusive to the bottom of #3).
- b. Please loosen #12 to make the spring #11 Straight and without loads.
- c. Please loosen #4 & #5.
- d. Please put the strap you are using (called #7 in the drawing) between #6 and #8.
- e. Please put the wrench (the drawing shown as #9) into the #6 and turn #6 counterclockwise a little bit so that #6 will press on the strap lightly (not put too much pressure on the strap). At the same time (when the #6 touching the strap), please also make #5 press on #2. Then, tighten #5, and #4 while you still have not released the wrench #9. After you have tighten the #5 and #4, then you can take out the wrench.
- f. Take away the strap.
- g. Please pull down #11 Spring for about 4mm and then fix the #12 Nut.
- h. Please turn #2 down one turn and then tighten #1.
- i. Now, the pressure of rollers has been set. Please pay attention that there should be not any clearance left for the #10 Shaft to move after you have tighten the #5 & #4.

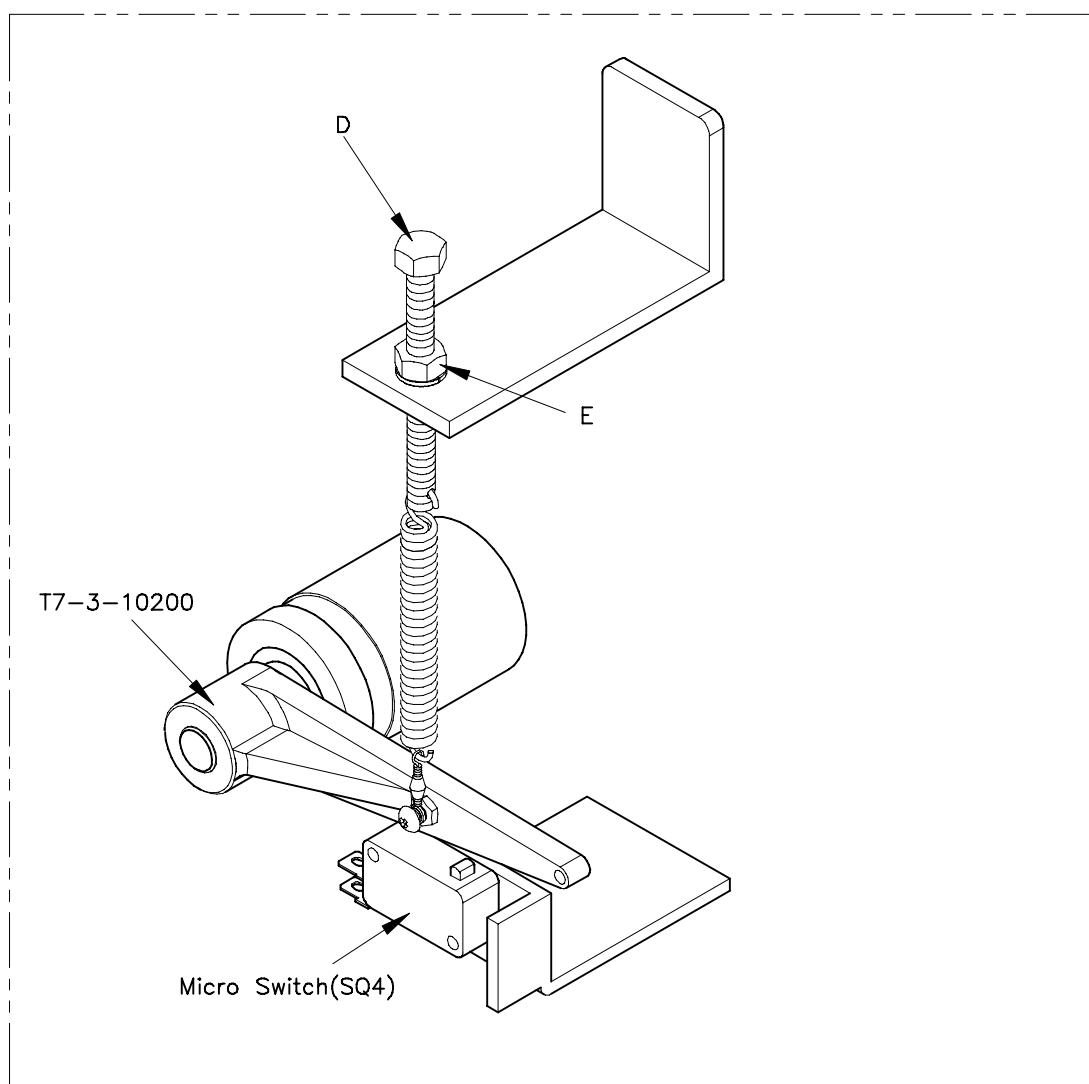
Fig. 1



(7) How to Adjust the Strap Amount in the Accumulator Box

Please refer to the following drawing.

You can loosen nut E and turn the bolt D counter clockwise to increase the amount of P.P.strap in the accumulator box. Finally tighten the nut E.



6. Preventive Maintenance

(1) Maintenance and Lubrication

Maintenance:

To ensure that the automatic strapping machine is always ready for proper and reliable operation keep to a regular and attentive maintenance schedule.

Therefore keep the machine clean, take particular care of strap guides and the unit.

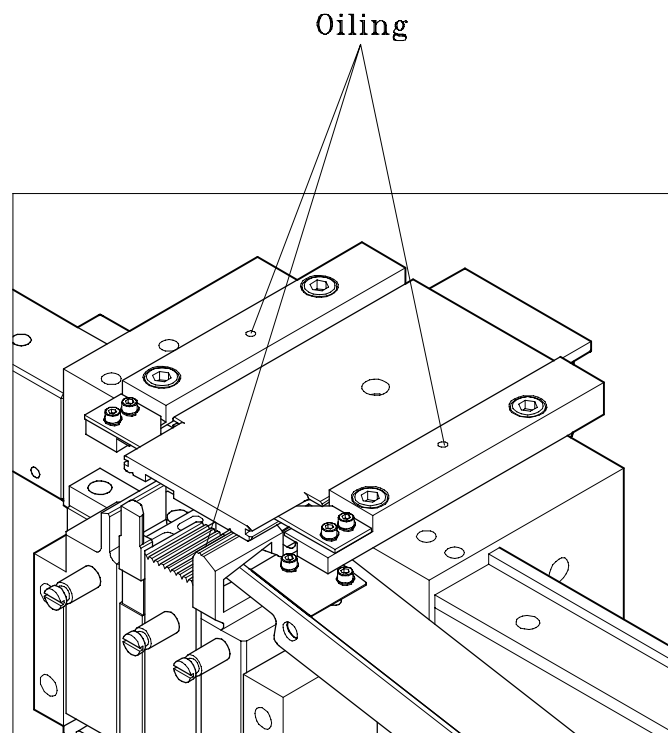
All small particles of loose strap should always be removed from the machine.

In addition, pay particular attention to the strap guides, the strap feed devices of the unit, the tops of the rear bar, front bar and silde plate and the feed devices on the strap accumulator. These areas must be blown free of strap residues once a week.

Lubrication:

The rear bar, front bar and silde plate on the unit have to be lightly lubricated weekly.

(2) Maintenance of the Unit

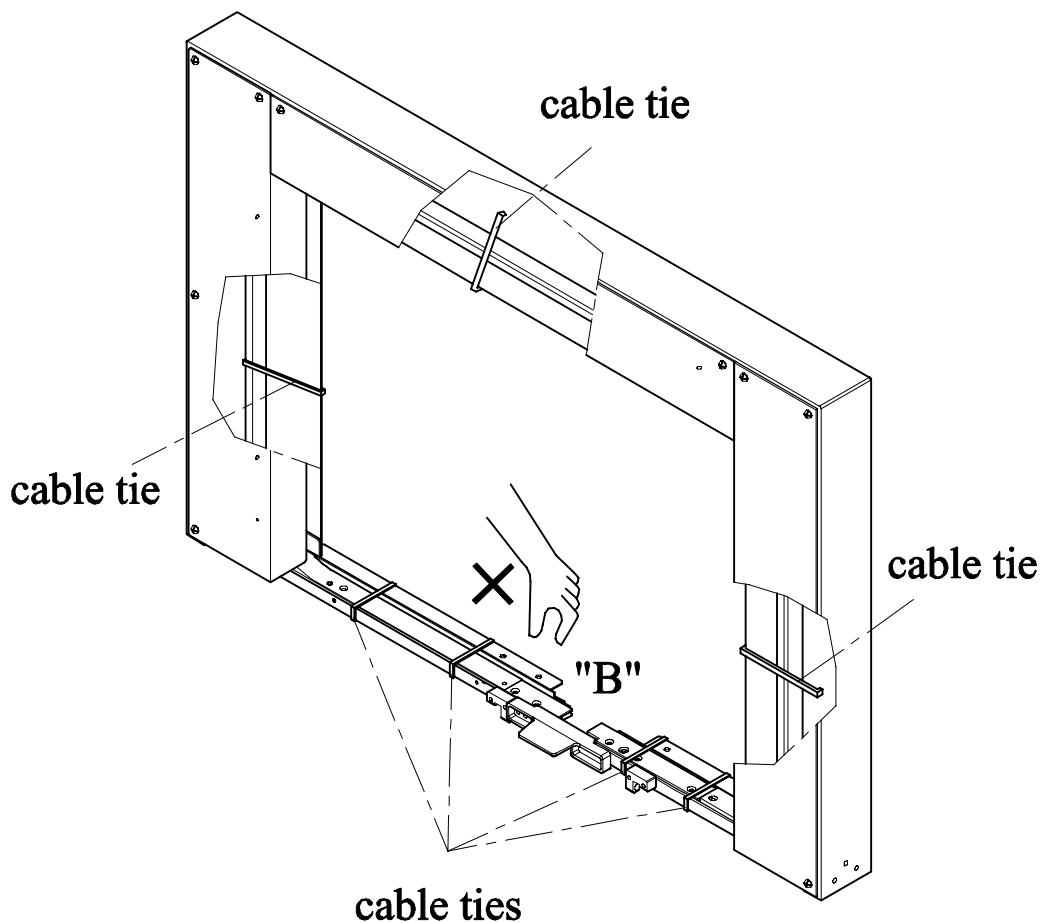


Lubricate the marked points weekly. Only use resin-free branded oil for lubrication. All other assemblies are maintenance-free. Remember that the strap guides and the sealing unit have to be kept clean!

Note: Any other servicing shall be performed by an authorized service representative.

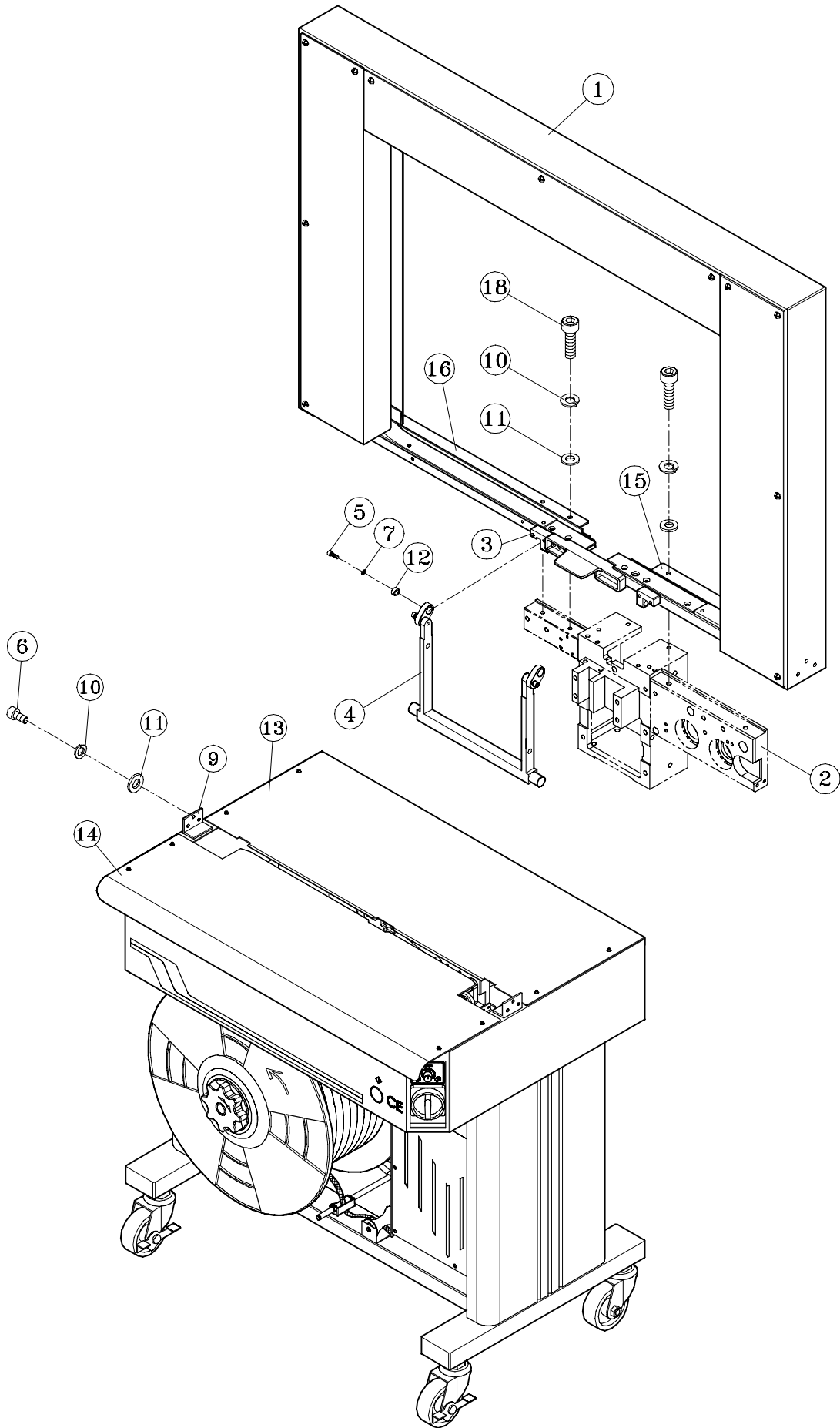
7.Installation of Arch Unit

Attention!!



Note:

- * Please don't lift up the Arch unit by Bottom of Arch .
(that we shown in the drawing "B")
- * Please don't cut off the cable ties we shown in the drawing before installation of the arch unit.
After installation is finished, then could cut the cable ties off.



(1) Take the upper table ⑬, ⑭ off.

(2) Slide the arch unit ① into the fixing brackets ⑨. Slide the strap track frame ⑯ in adjacent to the control unit ②, fix both sides of the arch frame with ⑥ ⑩ ⑪ and fix strap track frame with ⑱ ⑩ ⑪. Connect Linkage ③ with rod ④ by ⑤ ⑦ ⑫.

⑤ HBS, M5x16	2 PCS	⑥ HBS, M6x12	10 PCS
⑦ SW, M5	2 PCS	⑩ SW, M6	10 PCS
⑪ PW, M6	10 PCS	⑱ HBS, M6x16	2 PCS

(3) Position the upper table ⑬, ⑭ onto the machine body.

8. Control Panel and Adjustment on P.C.B.

① Main Power Switch

Only when switch is at "1" (ON) position that the machine has power to operation.

② Start Switch

When power switch was on, you must push start switch, and then the machine can have it's function.

③ Tension Adjustment Knob

External adjustment of strap tension by step-by-step rotation of this knob.

④ Heater temperature adjustment

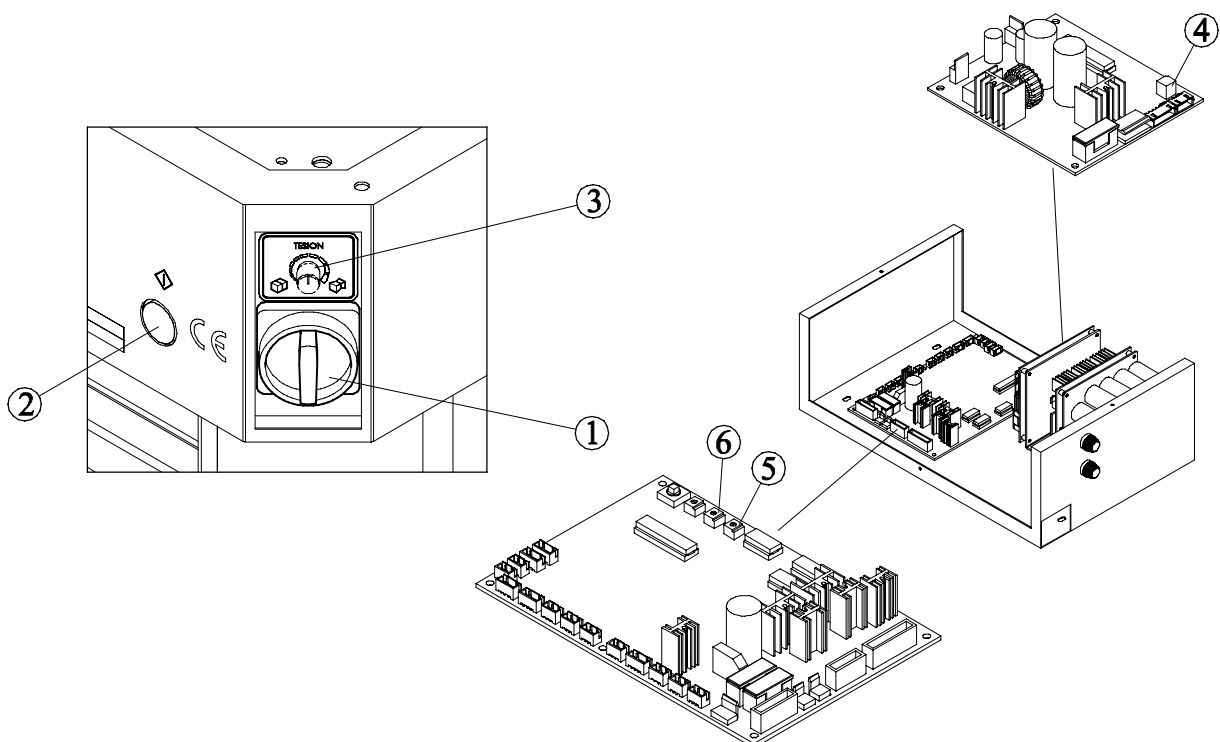
There is a trimmer on the Heater P.C.B to adjustment the Heater temperature. Turn clockwise to increase the sealing temperature.

⑤ Take-up timer

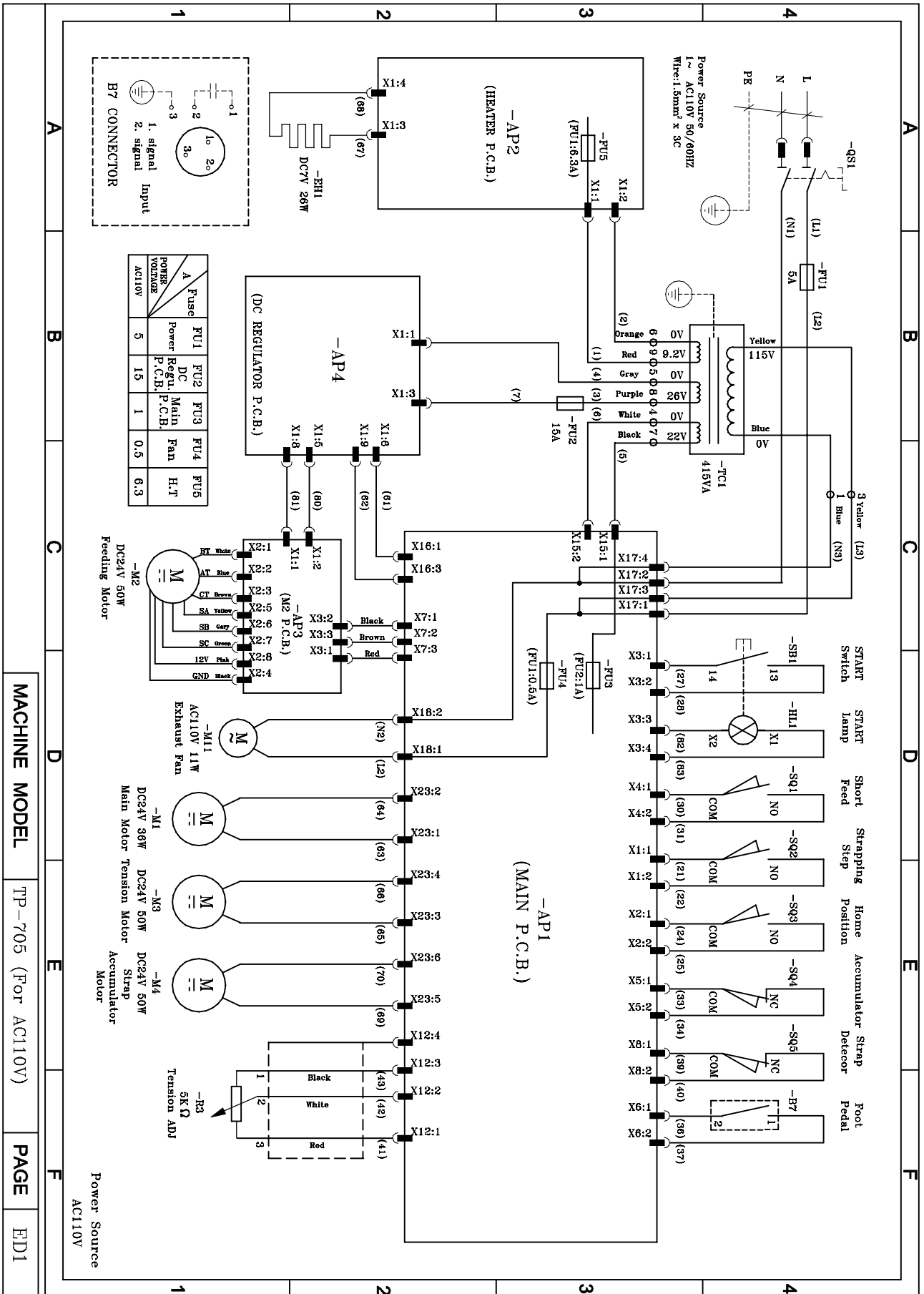
One the "main P.C.B.", VR1 trimmer can adjust the take-up time. Turn clockwise to increase the time.

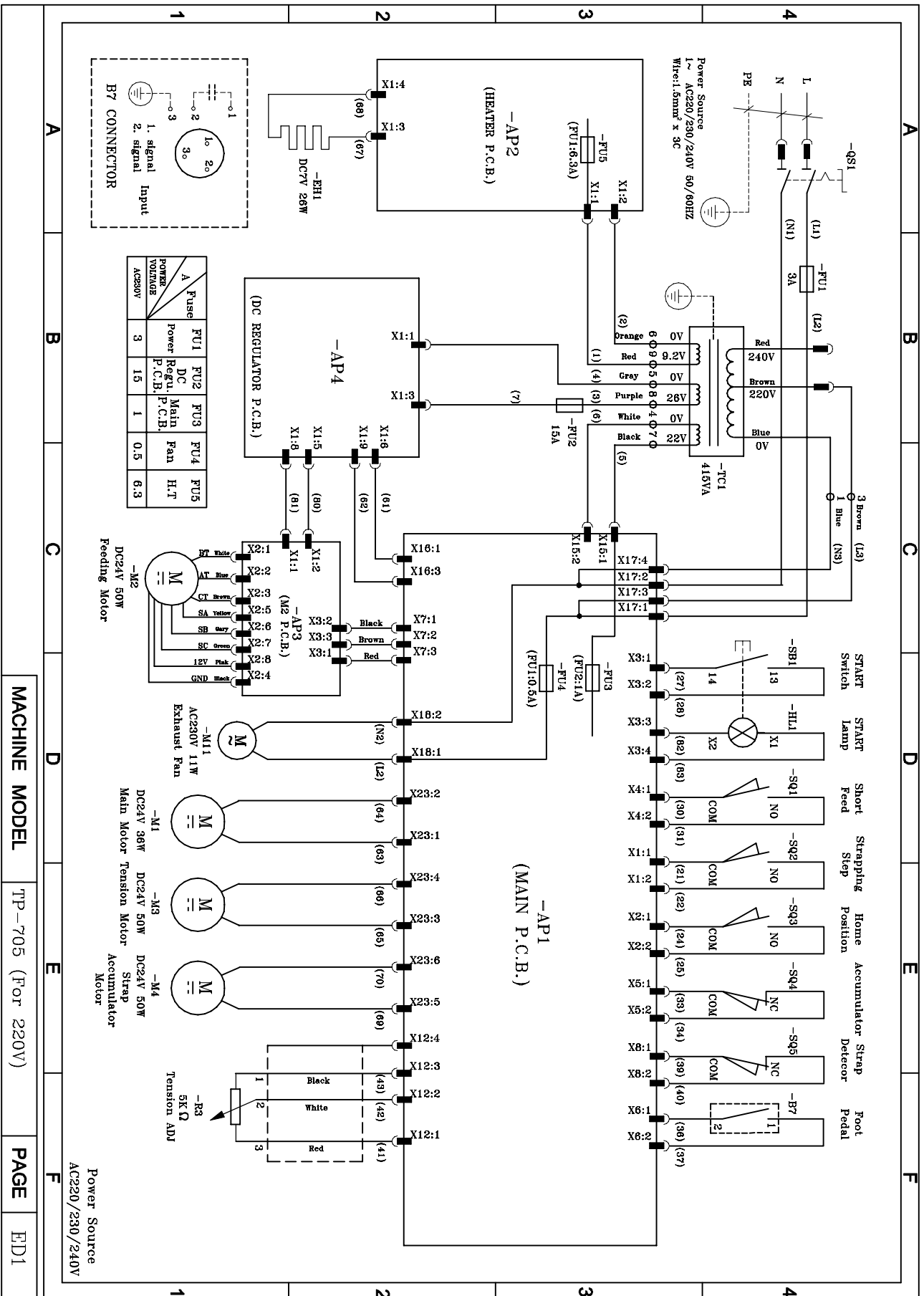
⑥ Weld Cooling Timer

One the "main P.C.B.", VR2 trimmer can adjust the weld cooling time. Turn clockwise to increase the time.





































9. Wiring Diagram





MACHINE MODEL TTP-705 (For 220V) PAGE E01

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 Ø8xØ12~Ø16x0.4~0.8t Ø6xØ13~Ø14x0.8~1.5t
	NTE		PWB Ø8xØ14~Ø16x1.3~1.5t Ø6xØ15~Ø16x1.0~1.5t
	PN		PWC Ø8xØ20~Ø23x2.0t Ø6xØ16~Ø19x2.0t
	PW		PWD
	SW		DS
	TW		TTP
	BWW		FTP

PART II

CONTENTS

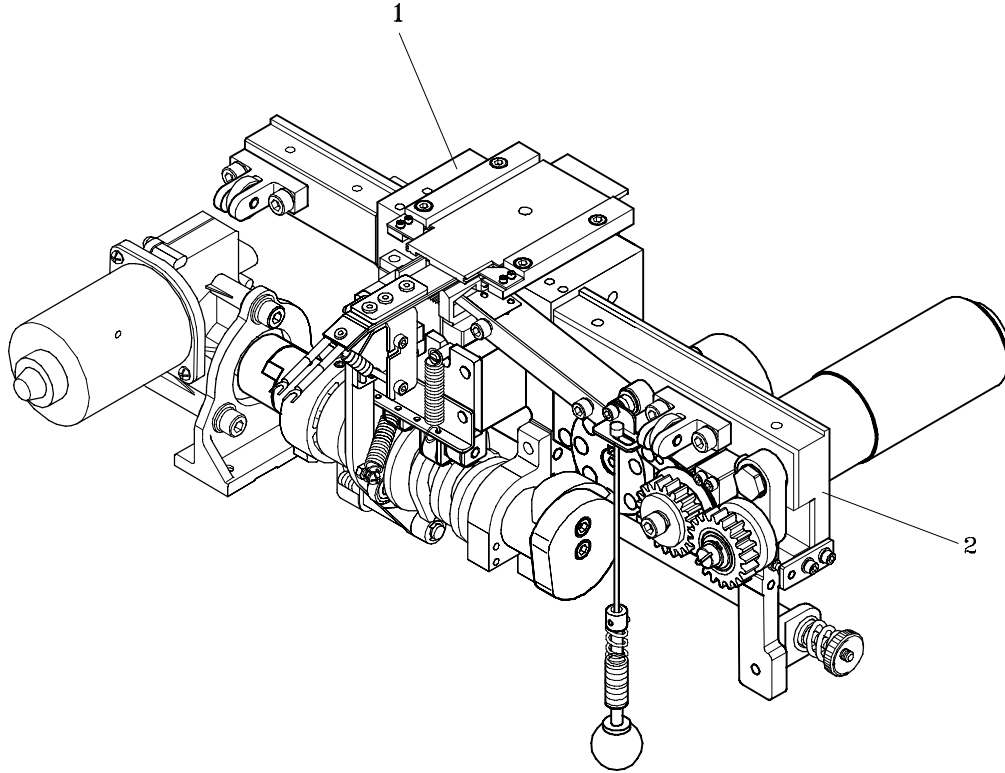
1. **Strapping Head** Unit 1~14
2. Bandway Unit 15~20
3. Accumulator Unit 21~24
4. Reel Unit 25~28
5. Body Unit 29~31
6. Electric Control Unit 32~36

1

STRAPPING HEAD UNIT

T7-1-90100

T7-1-90101



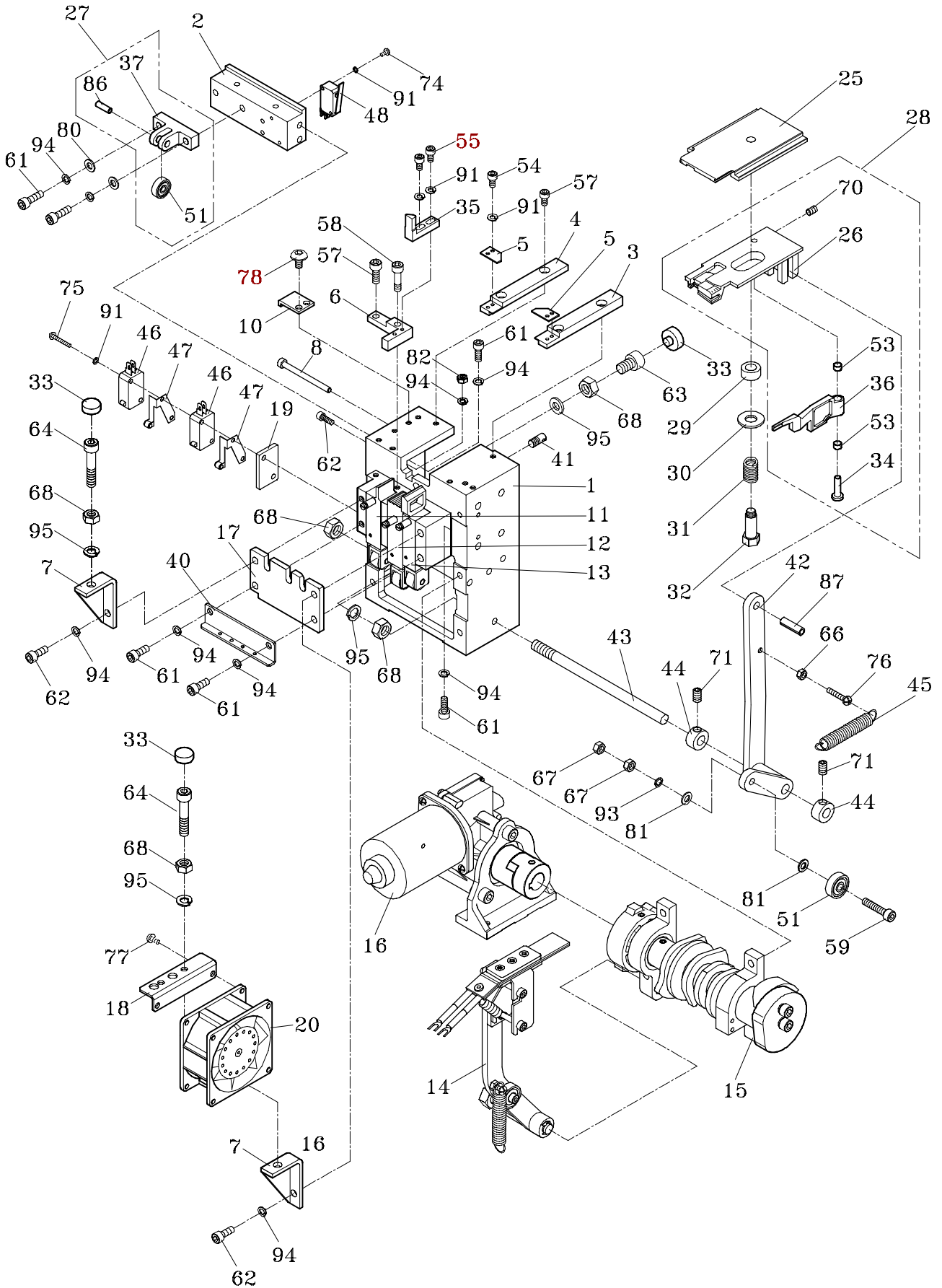
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	T7-1-90100	Strapping Head Unit (For 110V)	1	
	T7-1-90101	Strapping Head Unit (For 220V)	1	
1	T7-1-30000	Strapping Head Group (For 110V)	1	SEE PAGE 2
	T7-1-30001	Strapping Head Group (For 220V)	1	
2	T7-1-40000	Feed Group	1	SEE PAGE 12

1-1

STRAPPING HEAD GROUP

T7-1-30000

T7-1-30001



1-1

STRAPPING HEAD GROUP T7-1-30000

T7-1-30001

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	T7-1-30000	Strapping Head Group (For 110V)	1	
	T7-1-30001	Strapping Head Group (For 220V)	1	
1	T7-1-30110	Main Body Block	1	
2	T7-1-30120	Main Body Block (L)	1	
3	T7-1-30130	Guide (L)	1	
4	T7-1-30140	Guide (R)	1	
5	T7-1-30150	Ejector Plate	2	
6	T7-1-30160	Cutter Holder	1	
7	T7-1-30170	Bumper Bracket	2	
8	T7-1-30180	Switch Pin	1	
10	T7-1-30200	Protective Plate	1	
11	T7-1-31000	Rear Bar Ass'y	1	SEE PAGE 5
12	T7-1-32000	Press Bar Ass'y	1	SEE PAGE 6
13	T7-1-33000	Front Bar Ass'y	1	SEE PAGE 7
14	T7-1-34000	Heater Ass'y	1	SEE PAGE 8
15	T7-1-35000	Cam Group	1	SEE PAGE 9
16	T7-1-36000	Transmission Group	1	SEE PAGE 11
17	T7-1-10170	Bar Guide Lid	1	
18	T6-6-10260	Smoke Fan Bracket	1	
19	T5-1-10770	Plate	1	
20	TF-021	Fan (For 110V)	1	
	TF-021-1	Fan (For 220V)	1	
25	T7-1-10250	Slide Plate	1	
26	T7-1-10263	Separator	1	
27	T7-1-30100	Block Ass'y	1	
28	T7-1-10263A	Separator Ass'y	1	
29	T7-1-10290	Bumper	1	
30	T7-1-10300	Washer	1	
31	T7-1-10310	Spring	1	
32	T7-1-10320	Bolt	1	
33	T7-1-10330	Bumper	3	
34	T7-1-10390	Shaft	1	
35	T7-1-10540	Cutter Holder	1	
36	T7-1-10550	Switch Lever	1	
37	T7-1-30210	Block	1	
40	TA-072	Spring Hook	1	

1-1**STRAPPING HEAD GROUP****T7-1-30000****T7-1-30001**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
41	TA-089	Spring Hook	1	
42	TA-090	Arm	1	
43	TA-094	Shaft	1	
44	TA-229	Collar	2	
45	TB-114	Return Spring	1	
46	TF-006	Micro Switch	2	
47	TF-009	Switch Trigger	2	
48	T7-7-40300	Micro Switch	1	
51	BR635ZZ	Bearing, 635ZZ	2	
53	MB0505	Metal Bush, 0505	2	
54	HBS0308N	HBS, M3x8 (N)	4	
55	HBS0312N	HBS, M3x12 (N)	2	
57	HBS0516N	HBS, M5x16 (N)	5	
58	HBS0520HN	HBS, M5x20 (H)(N)	1	
59	HBS0525N	HBS, M5x25 (N)	1	
61	HBS0620N	HBS, M6x20 (N)	8	
62	HBS0625N	HBS, M6x25 (N)	2	
63	HBS0820N	HBS, M8x20 (N)	1	
64	HBS0830HN	HBS, M8x30 (H) (N)	2	
66	HN04	HN, M4	1	
67	HN05	HN, M5	2	
68	HN08	HN, M8	5	
70	HSS0405N	HSS, M4x5 (N)	1	
71	HSS0606N	HSS, M6x6 (N)	2	
74	PMS0316	PMS, M3x16	2	
75	PMS0335	PMS, M3x35	2	
76	PMS0420	PMS, M4x20	1	
77	TMS0508	TMS, M5x8	2	
78	THS0508N	THS, M5x8 (N)	2	
80	PW06A	PW, M6 (A)	2	
81	PW05	PW, M5	2	

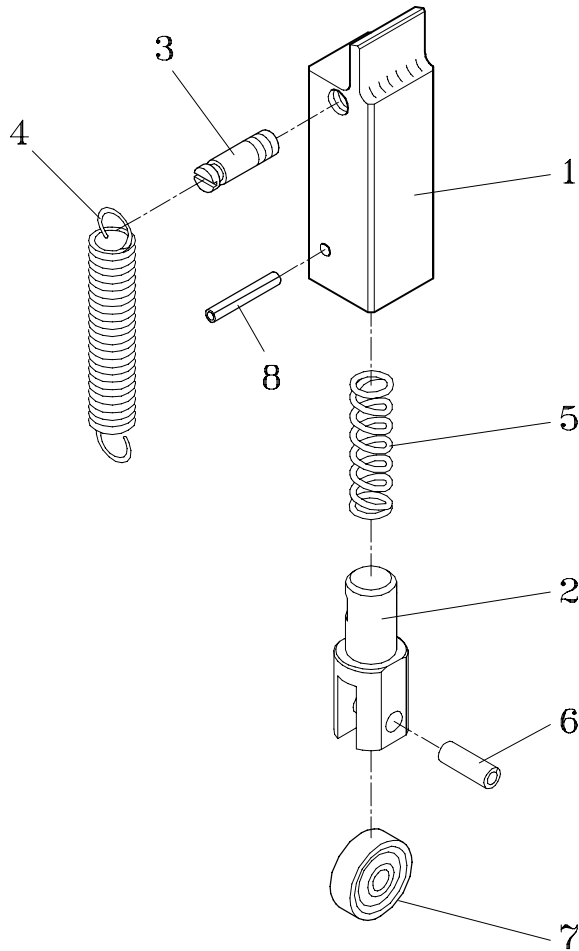
1-1**STRAPPING HEAD GROUP****T7-1-30000****T7-1-30001**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
86	SP0516	Spring Pin, 5x16	1	
87	SP0620	Spring Pin, 6x20	1	
91	SW03	SW, M3	10	
93	SW05	SW, M5	1	
94	SW06	SW, M6	9	
95	SW08	SW, M8	4	

1-1-1

REAR BAR ASS'Y

T7-1-31000

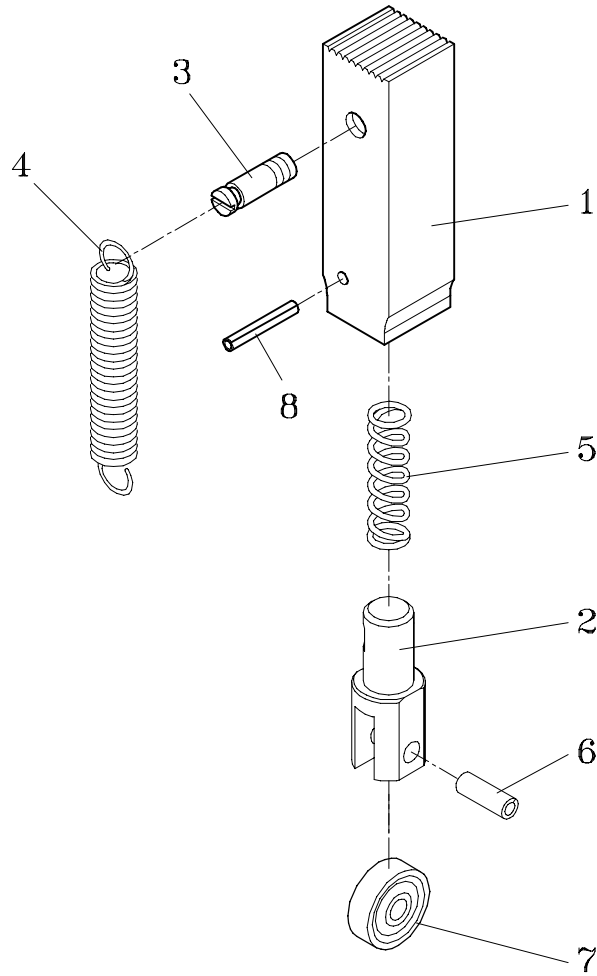


REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	T7-1-13110	Rear Bar	1	
2	TA-075	Plunger	1	
3	TA-073	Spring Hook	1	
4	TA-071	Return Spring	1	
5	TA-078	Spring	1	
6	SP0514	Spring Pin, 5x14	1	
7	BR635ZZ	Bearing, 635ZZ	1	
8	SP0318	Spring Pin, 3x18	1	

1-1-2

PRESS BAR ASS'Y

T7-1-32000

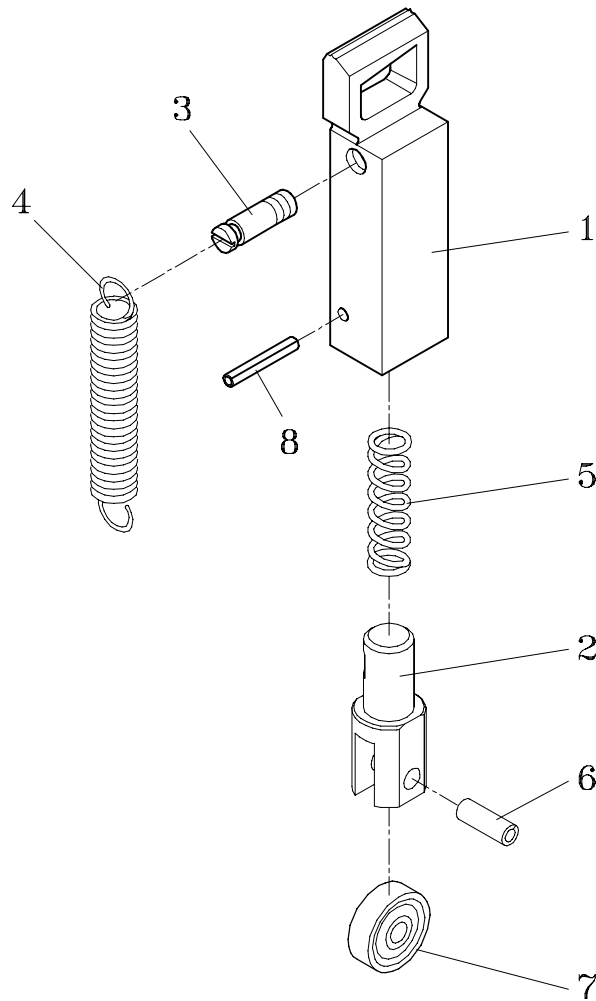


REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	T7-1-14111	Press Bar	1	
2	TA-075	Plunger	1	
3	TA-073	Spring Hook	1	
4	TA-071	Return Spring	1	
5	TA-078	Spring	1	
6	SP0514	Spring Pin, 5x14	1	
7	BR635ZZ	Bearing, 635ZZ	1	
8	SP0318	Spring Pin, 3x18	1	

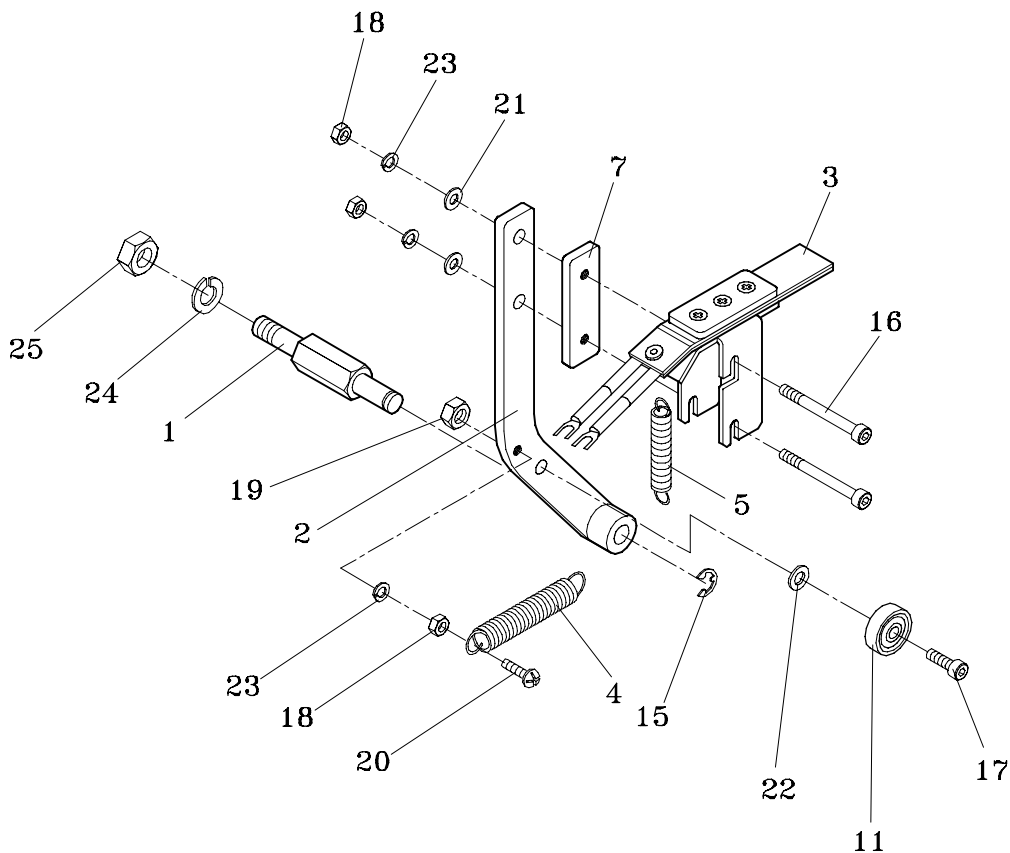
1-1-3

FRONT BAR ASS'Y

T7-1-33000



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	T7-1-15110	Front Bar	1	
2	TA-075	Plunger	1	
3	TA-073	Spring Hook	1	
4	TA-071	Return Spring	1	
5	TA-078	Spring	1	
6	SP0514	Spring Pin, 5x14	1	
7	BR635ZZ	Bearing, 635ZZ	1	
8	SP0318	Spring Pin, 3x18	1	

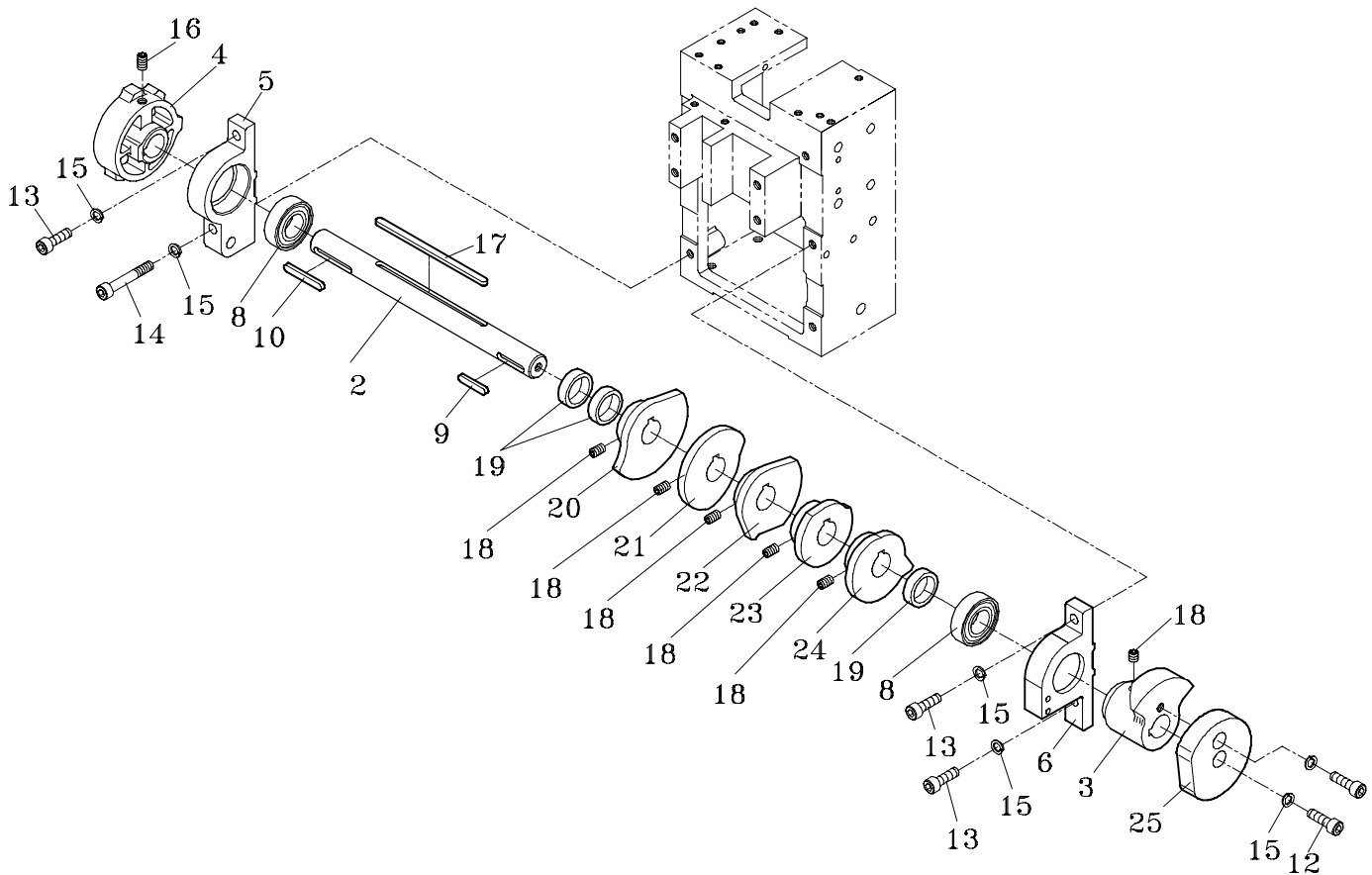
1-1-4**HEATER ASS'Y****T7-1-34000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	TB-103	Pin	1	
2	TB-102	Heater Arm	1	
3	T7-1-34110	Heater Ass'y	1	
4	TB-114	Return Spring	1	
5	TB-115	Spring	1	
7	TB-107	Side Plate	1	
11	BR635ZZ	Bearing, 635ZZ	1	
15	ER06	Snap Ring, E-6	1	
16	HBS0440H	HBS, M4x40 (H)	2	
17	HBS0516	HBS, M5x16	1	
18	HN04	HN, M4	3	
19	HN05	HN, M5	1	
20	PMS0416	PMS, M4x16	1	
21	PW04	PW, M4	2	
22	PW05	PW, M5	1	
23	SW04	SW, M4	3	
24	SW08	SW, M8	1	
25	HN08	HN, M8	1	

1-1-5

CAM GROUP

T7-1-35000



REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
2	T5-1-11121	Cam Shaft	1	
3	T5-1-11131	Tension Cam	1	
4	T5-1-11140	Limit Switch Contactor	1	
5	TA-008-2	Bearing Support (L)	1	
6	TA-017-2	Bearing Support (R)	1	
8	BR6003ZZ	Bearing, 6003ZZ	2	
9	KYA050520	Key, 5x5x20	1	
10	KYA050535	Key, 5x5x35	1	
12	HBS0616N	HBS, M6x16 (N)	2	
13	HBS0620N	HBS, M6x20 (N)	3	
14	HBS0645HN	HBS, M6x45 (H)(N)	1	
15	SW06	SW, M6	6	
16	HSS0610N	HSS, M6x10 (N)	1	
17	KYA0505101	Key, 5x5x101	1	
18	HSS0608N	HSS, M6x8 (N)	6	
19	TA-241	Spacer	3	

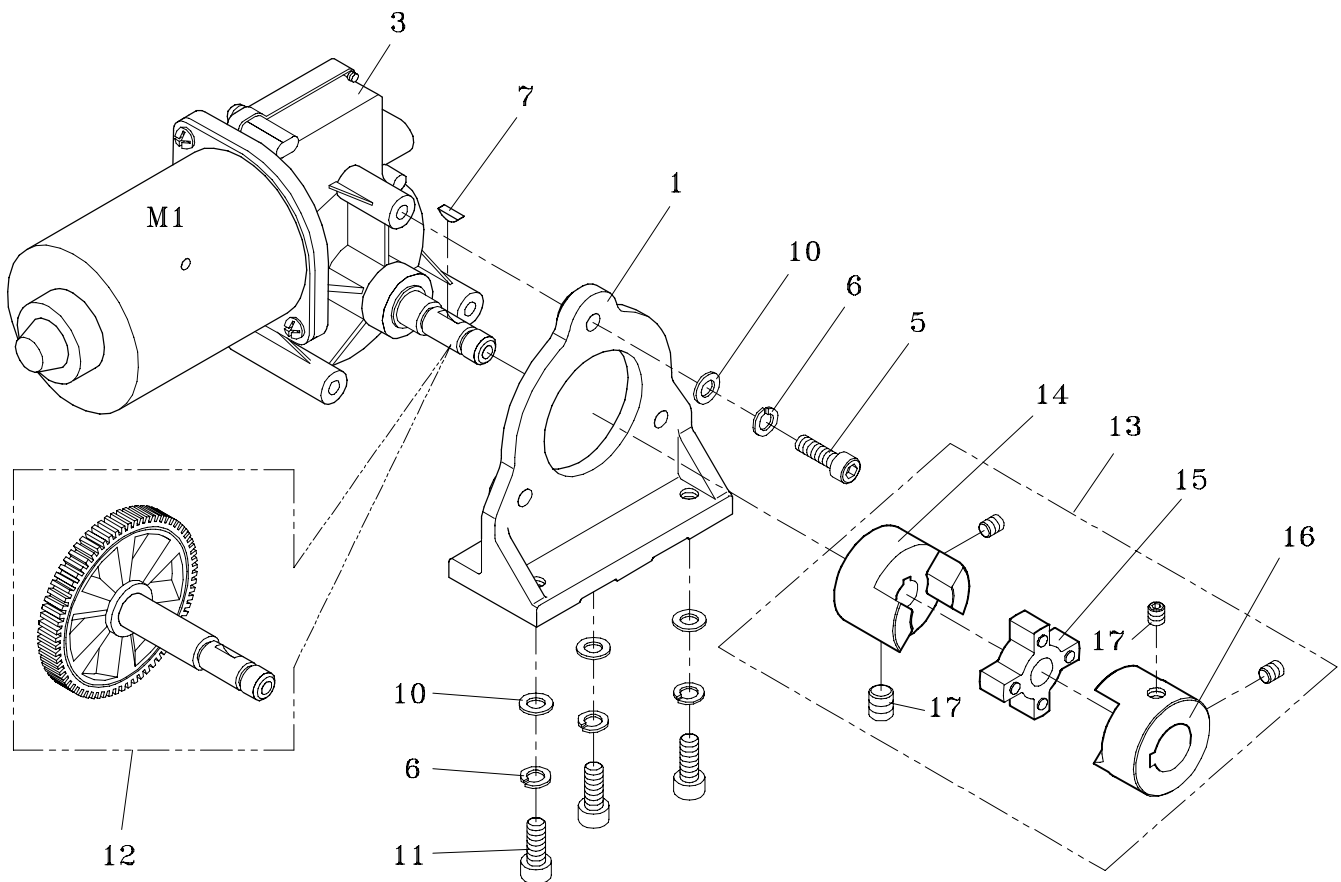
1-1-5**CAM GROUP****T7-1-35000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
20	T7-1-35110	Rear Bar Cam	1	
21	T7-1-35120	Heater Cam	1	
22	T7-1-35130	Press Bar Cam	1	
23	T7-1-35160	Front Bar Cam	1	
24	T7-1-35140	Slide Plate Cam	1	
25	T7-1-35150	Arch Cam	1	

1-1-6

TRANSMISSION GROUP

T7-1-36000

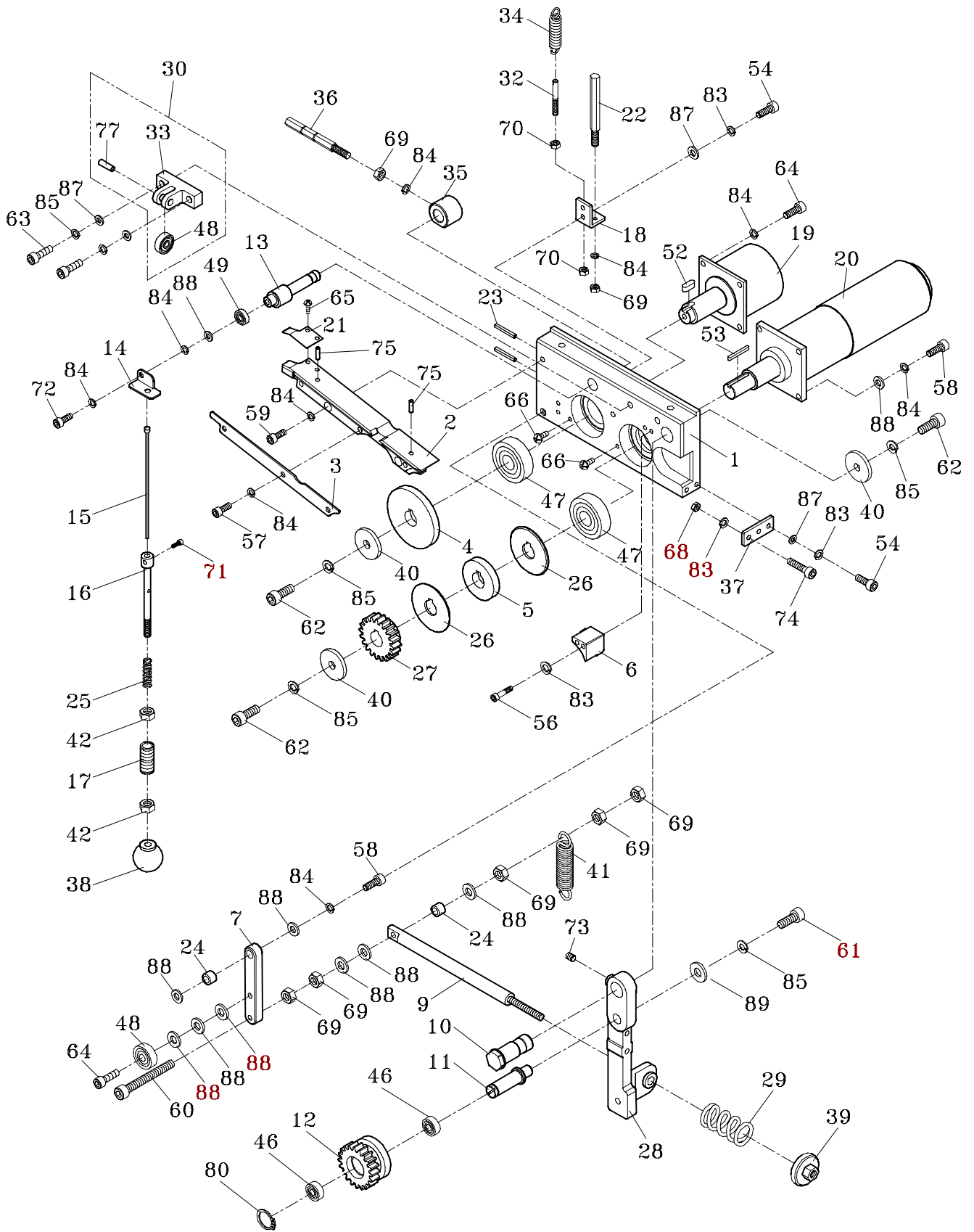


REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	T5-1-30110	Main Motor Support	1	
3	T5-1-30130	Main Motor (M1)	1	
5	HBS0625N	HBS, M6x25 (N)	3	
6	SW06	SW, M6	6	
7	KYC0310	Key, 3x10	1	
10	PW06C	PW, M6 (C)	6	
11	HBS0620N	HBS, M6x20 (N)	3	
12	T5-1-30220	Worm Gear For M1 Motor	1	
13	T5-1-30230	Flexible Coupling	1	
14	T5-1-30240	Hub (L.H.)	1	
15	T5-1-30250	Flexible Spacer	1	
16	T5-1-30260	Hub (R.H.)	1	
17	HSS0608N	HSS, M6x8 (N)	4	

1-2

FEED GROUP

T7-1-40000



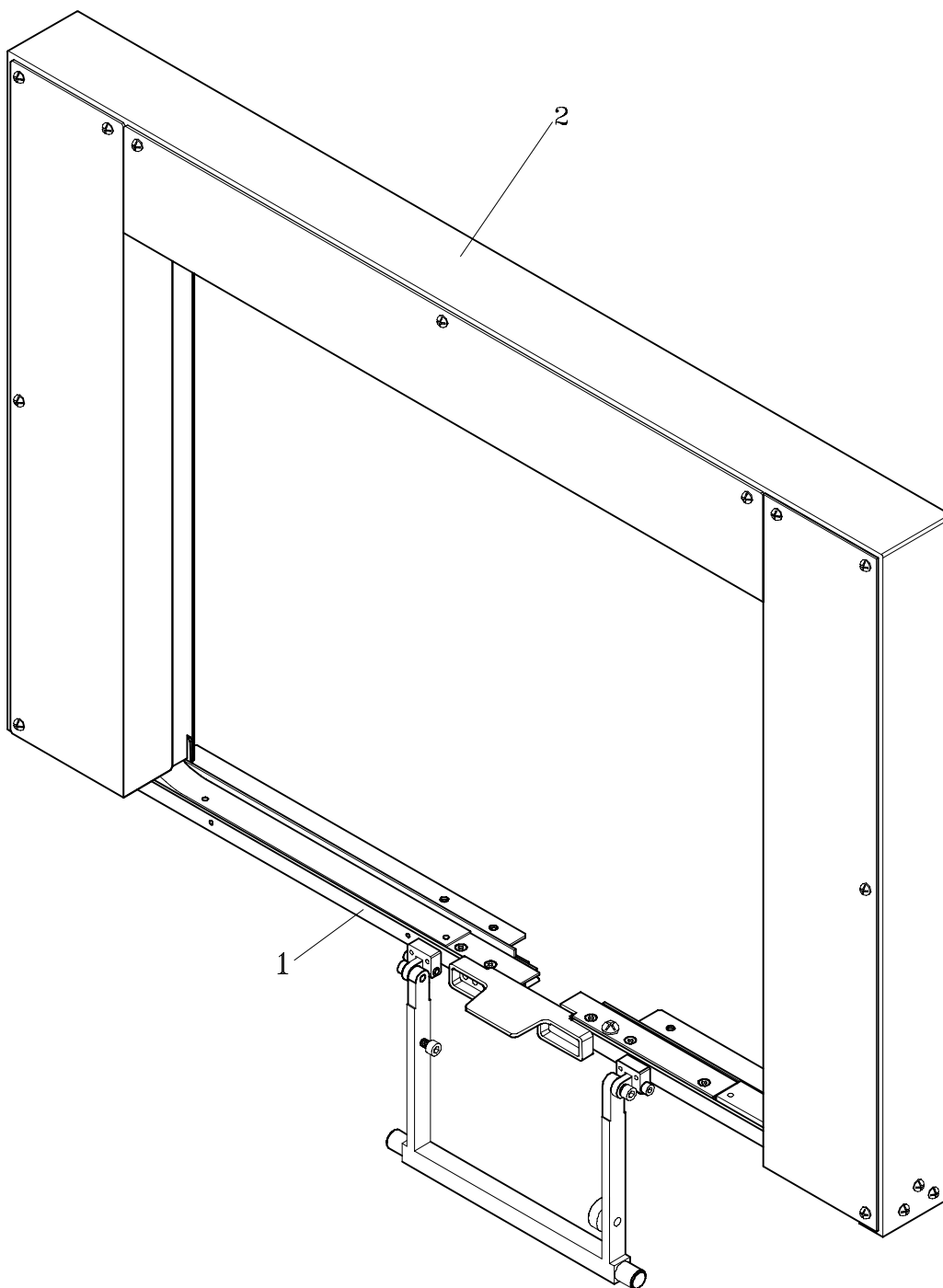
1-2**FEED GROUP****T7-1-40000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	T7-1-40110	Main Body Block (R)	1	
2	T7-1-40124	Upper Guide	1	
3	T7-1-40131	Upper Guide Cover	1	
4	T7-1-40140	Guide Wheel	1	
5	T7-1-40150	Main Roller	1	
6	T7-1-40160	Guide	1	
7	T7-1-40170	Tension Arm	1	
9	T7-1-40190	Connecting Rod	1	
10	T7-1-40200	Shaft	1	
11	T7-1-40210	Roller Shaft	1	
12	T7-1-40220	Roller	1	
13	T7-1-40230	Shaft	1	
14	T7-1-40241	Connecting Plate	1	
15	T7-1-40252	Wire Rope	1	
16	T7-1-40261	Rod	1	
17	T7-1-40270	Position Rod	1	
18	T7-1-40280	Bracket	1	
19	T7-1-40290	M2 Motor	1	
20	T7-1-40320	M3 Motor	1	
21	T7-1-40351	Upper Guide Cover (UP)	1	
22	T7-1-40360	Bolt	1	
23	H45-10150	Parallel Pin	2	
24	H45-30010	Pressure Roller	2	
25	H44-10940	Spring	1	
26	T5-1-21130	Side Plate	2	
27	T5-1-21160	Gear	1	
28	T5-1-22140	Roller Arm	1	
29	T7-1-22200	Spring	1	
30	T7-1-30100	Block Ass'y	1	
32	T6-1-72130	Upper Adjusting Spring Rod	1	
33	T7-1-30210	Block	1	
34	T7-1-20120	Spring	1	
35	T7-1-20130	Collar	1	
36	T7-1-20580	Bolt	1	
37	T7-1-30190	Position Plate	1	
38	T7-5-42930	Pull Knob	1	
39	T7-1-22420	Nut	1	

1-2**FEED GROUP****T7-1-40000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
40	TB-223	Washer	3	
41	TC-025	Spring	1	
42	TT-2-10200	Nut	2	
46	BR6900ZZ	Bearing, 6900ZZ	2	
47	BR6004 2RS	Bearing, 6004 2RS	2	
48	BR635ZZ	Bearing, 635ZZ	2	
49	BR19102RS	Bearing, 1910 2RS	1	
52	KYA050510	Key, 5x5x10	1	
53	KYA050530	Key, 5x5x30	1	
54	HBS0412N	HBS, M4x12 (N)	4	
56	HBS0435HN	HBS, M4x35 (H) (N)	2	
57	HBS0508N	HBS, M5x08 (N)	3	
58	HBS0520N	HBS, M5x20 (N)	5	
59	HBS0530N	HBS, M5x30 (N)	2	
60	HBS0540N	HBS, M5x40 (N)	1	
61	HBS0612N	HBS, M6x12 (N)	1	
62	HBS0616N	HBS, M6x16 (N)	3	
63	HBS0620N	HBS, M6x20 (N)	2	
64	HBS0516N	HBS, M5x16 (N)	5	
65	TMS0308	TMS, M3x8	2	
66	TMS0508	TMS, M5x8	2	
68	HN04	HN, M4	1	
69	HN05	HN, M5	7	
70	HN06	HN, M6	3	
71	HBS0308N	HBS, M3x8 (N)	1	
72	HBS0512N	HBS, M5x12 (N)	1	
73	HSS0508N	HSS, M5x8 (N)	1	
74	HBS0416N	HBS, M4x16 (N)	1	
75	H44-10710	Lock Pin, 4x8	2	
77	SP0516	Spring Pin, 5x16	1	
80	SR10	Stop Ring, S-10	1	
83	SW04	SW, M4	7	
84	SW05	SW, M5	20	
85	SW06	SW, M6	6	
87	PW04	PW, M4	6	
88	PW05	PW, M5	13	
89	PW06A	PW, M6 (A)	1	
90	SP0312	Spring Pin, 3x12	2	

2

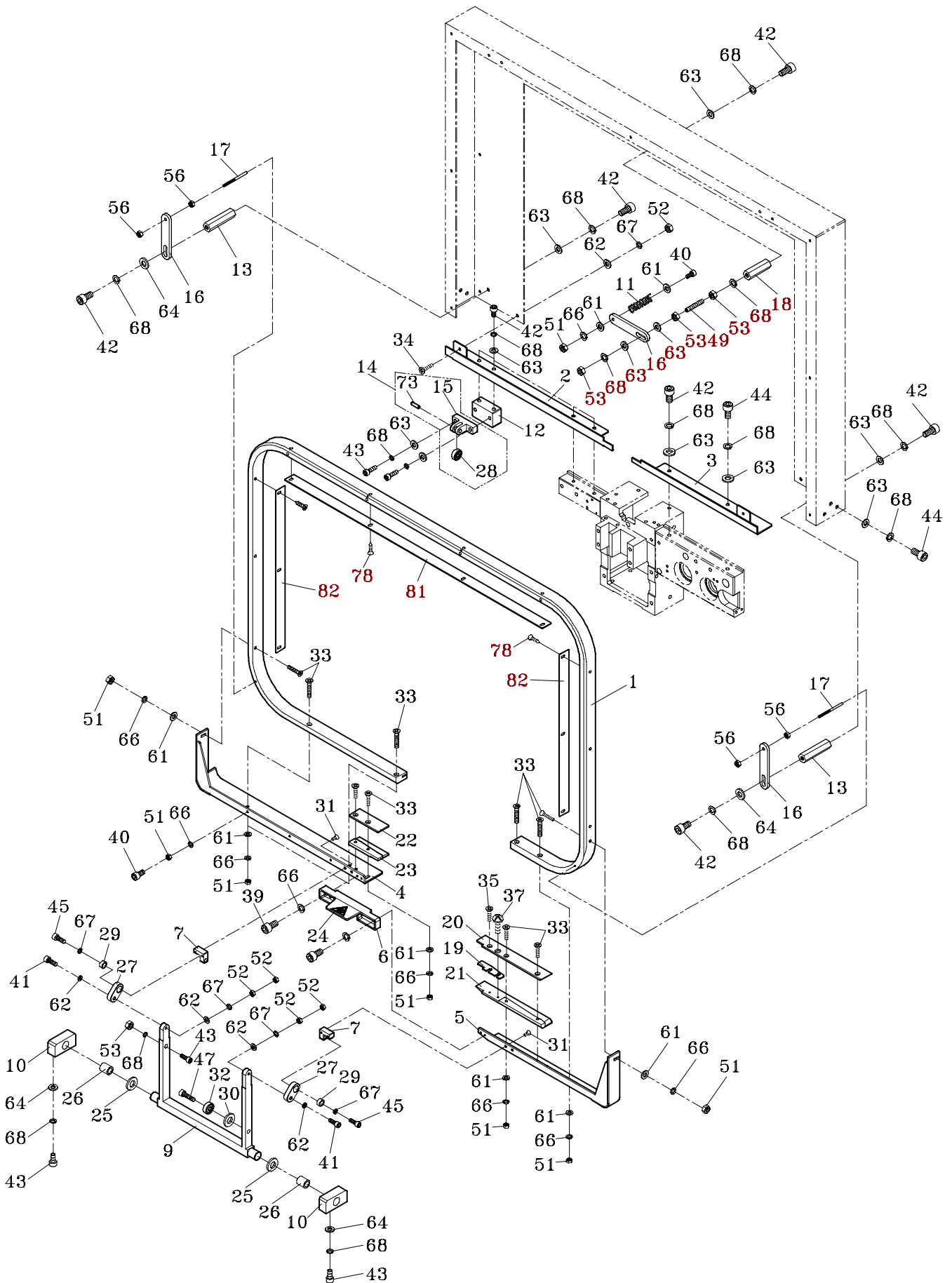
BANDWAY UNIT**T7-2-90200**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	T7-2-30000	Arch Group	1	SEE PAGE 16
2	T7-2-40000	Front Arch Cover Ass'y	1	SEE PAGE 19

2-1

ARCH GROUP

T7-2-30000



2-1**ARCH GROUP****T7-2-30000**

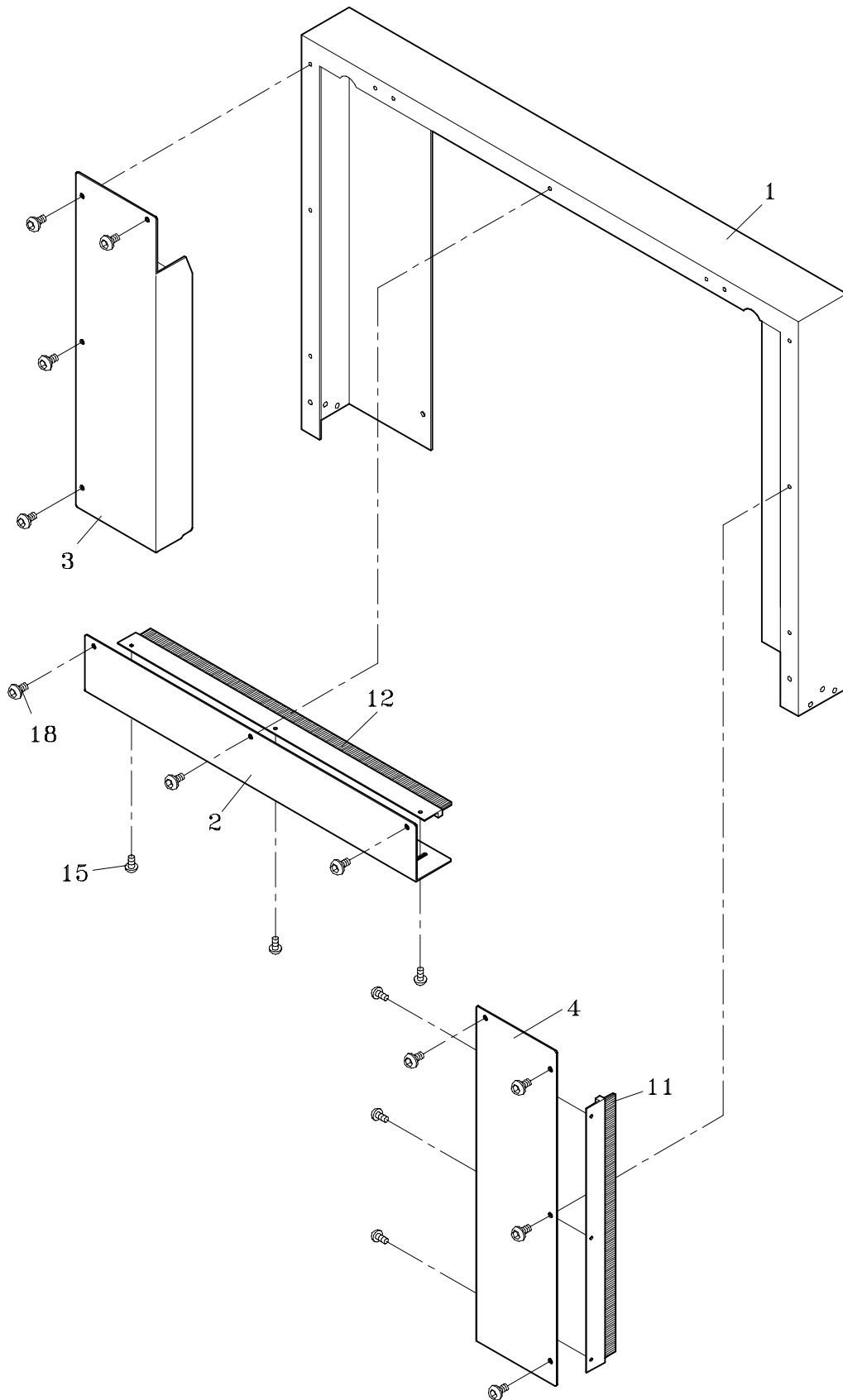
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	T7-2-30110	Strap Track	1	
2	T7-2-30120	Guide LH	1	
3	T7-2-30130	Guide RH	1	
4	T7-2-30140	Strap Track Frame (L)	1	
5	T7-2-30150	Strap Track Frame (R)	1	
6	T7-2-30160	Track Frame Connector	1	
7	T7-2-30240	Connector	2	
9	T7-2-30191	Rod	1	
10	T7-2-30200	Bracket	2	
11	T7-2-30210	Spring	1	
12	T7-2-30220	Block Base	1	
13	T7-2-30230	Tube	2	
14	T7-1-30100	Block Ass'y	1	
15	T7-1-30210	Block	1	
16	T7-2-10190	Plate	3	
17	T7-2-10210	Pin	2	
18	T7-2-30260	Tube	1	
19	T7-2-20190	Adjusting Plate	1	
20	T7-2-20200	Cover	1	
21	T7-2-20210	Right Strap Guide	1	
22	T7-2-20220	Cover	1	
23	T7-2-20230	Left Strap Guide	1	
24	T7-2-20480	Label	1	
25	H42-1227	Washer	2	
26	MB1512	Metal Bush, 1512	2	
27	T7-2-30250	Linkage	2	
28	BR635ZZ	Bearing, 635ZZ	1	
29	H45-30010	Pressure Roller	2	
30	T7-3-20200	Spacer	1	
31	FMS0412	FMS, M4x12	3	
32	BR608ZZ	Bearing, 608ZZ	1	
33	FMS0425	FMS, M4x25	10	
34	FMS0512	FMS, M5x12	2	
35	FMS0410	FMS, M4x10	1	
37	TMS0408	TMS, M4x8	1	
39	HBS0408N	HBS, M4x8 (N)	4	
40	HBS0412N	HBS, M4x12 (N)	4	

2-1**ARCH GROUP****T7-2-30000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
41	HBS0525N	HBS, M5x25 (N)	2	
42	HBS0616N	HBS, M6x16 (N)	10	
43	HBS0620N	HBS, M6x20 (N)	5	
44	HBS0612N	HBS, M6x12 (N)	7	
45	HBS0516N	HBS, M5x16 (N)	2	
46	HSS0408N	HSS, M4x8 (N)	2	
47	HBS0816N	HBS, M8x16 (N)	1	
49	HSS0640N	HSS, M6x40 (N)	1	
51	HN04	HN, M4	10	
52	HN05	HN, M5	6	
53	HN06	HN, M6	4	
56	NTE03	NTE, M3	4	
61	PW04	PW, M4	11	
62	PW05	PW, M5	8	
63	PW06A	PW, M6 (A)	16	
64	PW06C	PW, M6 (C)	4	
66	SW04	SW, M4	14	
67	SW05	SW, M5	6	
68	SW06	SW, M6	19	
73	SP0516	Spring Pin, 5x16	1	
78	FTP0412BN	FTP, M4x12 (B)(N)	10	
81	T7-2-30280	Track Plate (UP)	1	
82	T7-2-30290	Track Plate	2	

2-2

FRONT ARCH COVER ASS'Y T7-2-40000

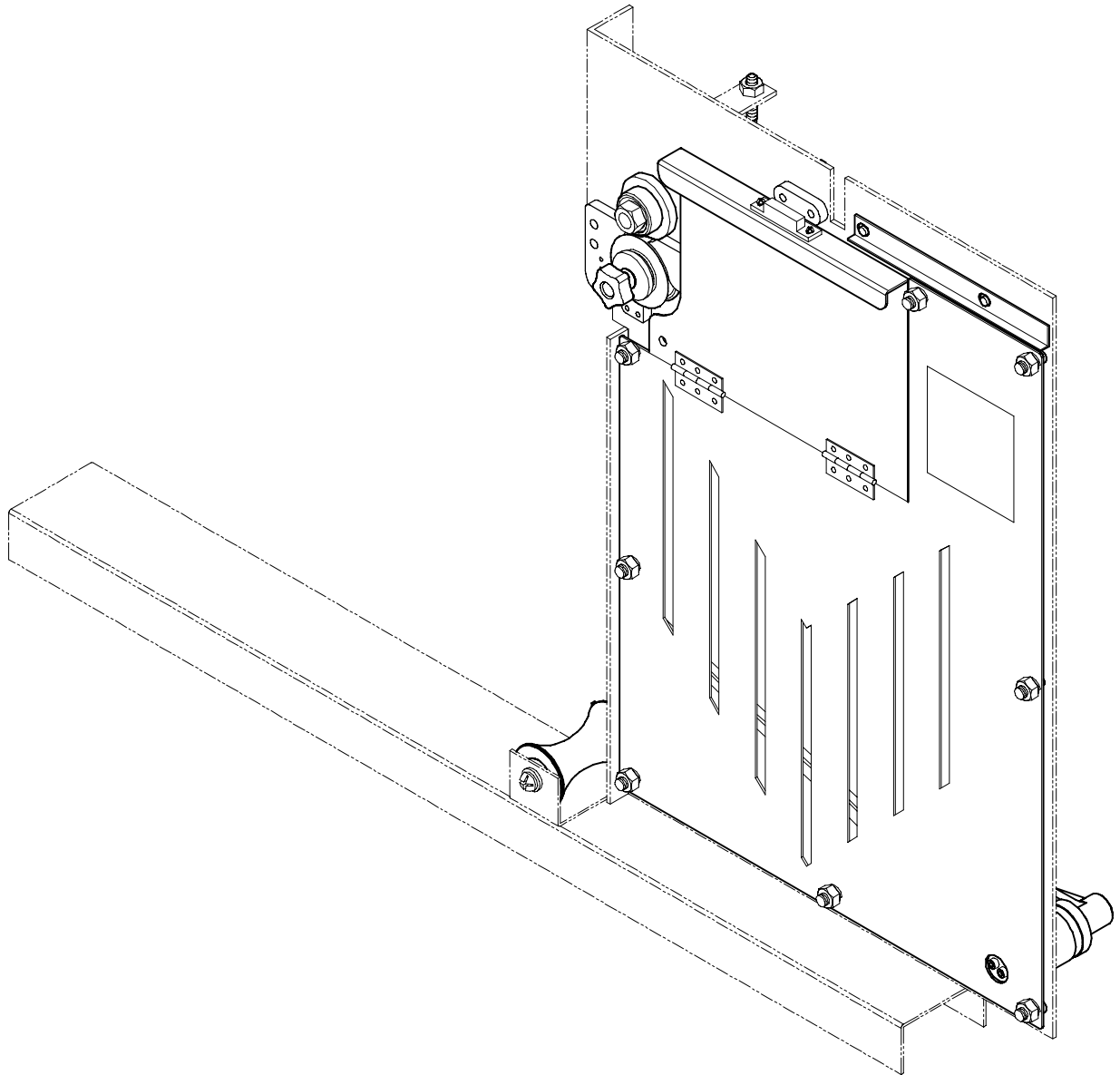


2-2 FRONT ARCH COVER ASS'Y T7-2-40000

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	T7-2-40110	Arch	1	
2	T7-2-40120	Arch Cover (Upper)	1	
3	T7-2-40130	Arch Cover LH	1	
4	T7-2-40140	Arch Cover RH	1	
11	T7-5-11140	Brush (Side)	1	
12	T7-5-11150	Brush (Upper)	1	
15	TTP0412BN	TTP, M4x12 (B)(N)	6	
18	THS0508N	THS, M5x8 (N)	11	

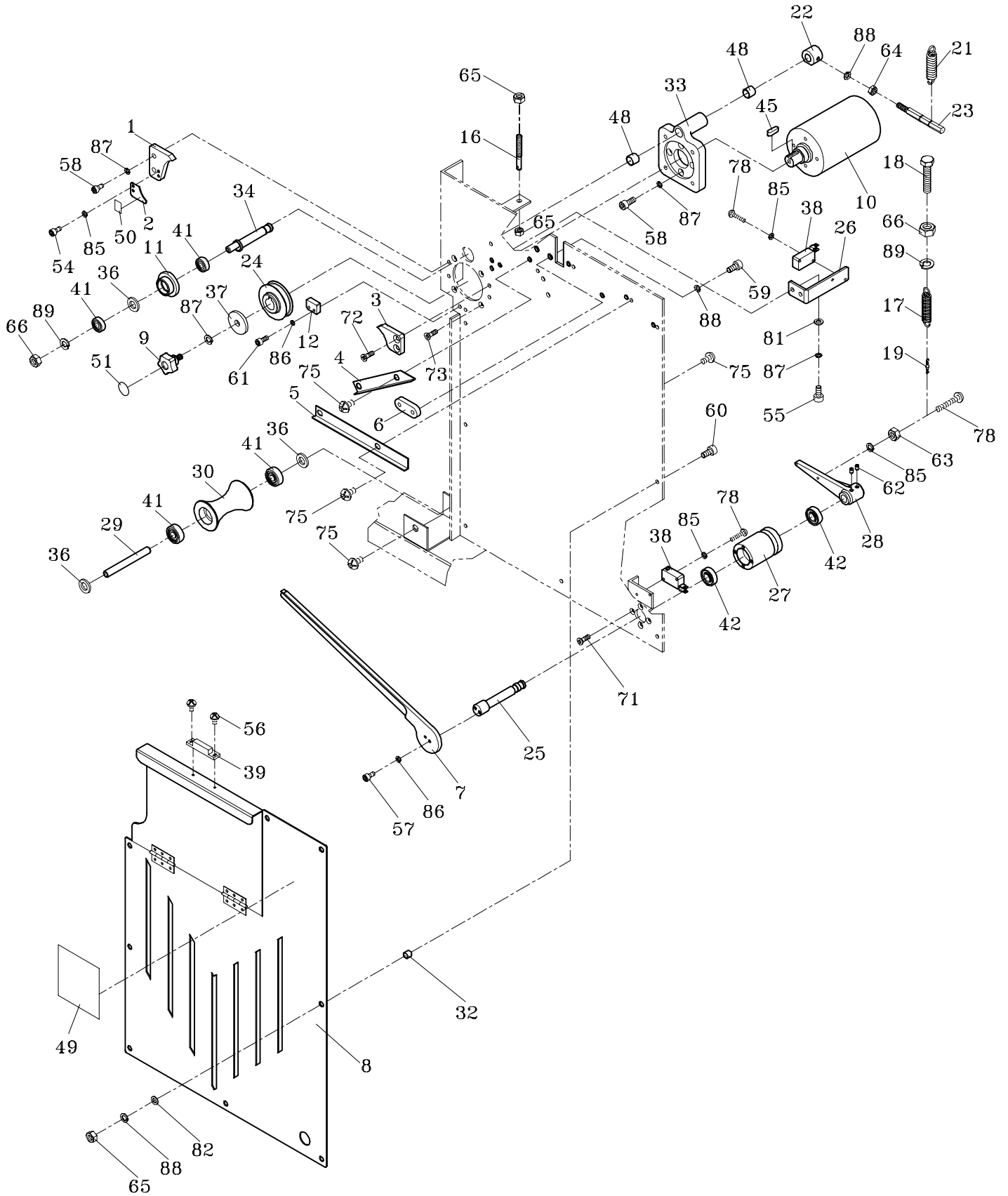
3

ACCUMULATOR BOX GROUP T7-3-50000



3-1

ACCUMULATOR BOX GROUP T7-3-50000



3-1 ACCUMULATOR BOX GROUP T7-3-50000

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	T7-3-50110	Inlet Strap Guide(L)	1	
2	T7-3-50120	Strap Guide Cover	1	
3	T7-3-50130	Inlet Strap Guide(R)	1	
4	T7-3-50140	Enclose Plate(S)	1	
5	T7-3-50150	Enclose Plate(L)	1	
6	T7-3-50160	Plate	1	
7	T7-3-50170	Balance Bar	1	
8	T7-3-50180	Accumulator Cover Ass'y	1	
9	T7-3-50190	Knob	1	
10	T7-3-50200	M4 Motor	1	
11	T7-3-20160	Assistant Roller	1	
12	T7-3-50250	Block	1	
16	T6-1-72130	Upper Adjusting Spring Rod	1	
17	T6-1-72140	Spring	1	
18	T6-3-10130	Accumulator Adjusting Bolt	1	
19	T6-3-10200	Twist Stopper	1	
21	T7-1-40370	Spring	1	
22	T7-1-20130	Collar	1	
23	T7-1-20580	Bolt	1	
24	T7-1-21120	Guide Wheel	1	
25	T7-3-10150	Shaft	1	
26	T7-3-10170	Bracket	1	
27	T7-3-10180	Tube	1	
28	T7-3-10200	Sensor Lever	1	
29	T7-3-50240	Shaft	1	
30	T7-3-10230	Roller	1	
32	T7-3-10260	Collar	8	
33	T7-3-20110	Motor Support	1	
34	T7-3-20150	Shaft	1	
36	T7-3-20200	Spacer	3	
37	TB-223	Washer	1	
38	TF-007	Micro Switch	2	
39	T6-3-20520	Magnet Catch	1	

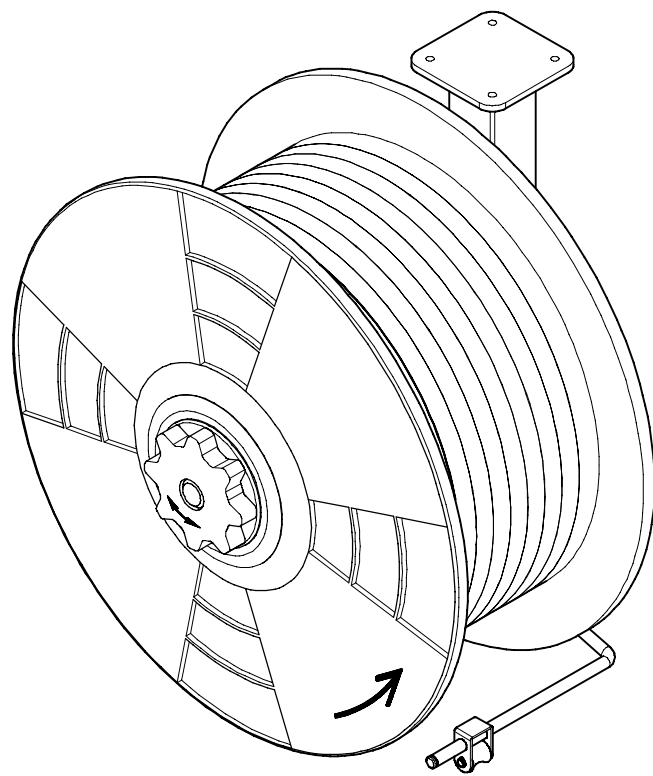
3-1 ACCUMULATOR BOX GROUP T7-3-50000

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
41	BR608ZZ	Bearing, 608ZZ	4	
42	BR6900ZZ	Bearing, 6900ZZ	2	
45	KYA050515	Key, 5x5x15	1	
48	MB1010	Metal Bush, 1010	2	
49	LA-30010	Label	1	
50	LA-50032	Label	1	
51	LA-50033	Label	1	
54	HBS0308N	HBS, M3x8 (N)	2	
55	HBS0508N	HBS, M5x8 (N)	2	
56	TMS0308	TMS, M3x8	2	
57	HBS0412N	HBS, M4x12 (N)	2	
58	HBS0512N	HBS, M5x12 (N)	6	
59	HBS0610N	HBS, M6x10 (N)	2	
60	HBS0620N	HBS, M6x20 (N)	8	
61	HBS0410N	HBS, M4x10 (N)	2	
62	HSS0405N	HSS, M4x5 (N)	2	
63	HN03	HN, M3	1	
64	HN05	HN, M5	1	
65	HN06	HN, M6	10	
66	HN08	HN, M8	2	
71	FMS0410	FMS, M4x10	4	
72	FMS0510	FMS, M5x10	2	
73	FMS0512	FMS, M5x12	4	
75	TMS0508	TMS, M5x8	6	
78	PMS0316	PMS, M3x16	5	
81	PW05	PW, M5	2	
82	PW06A	PW, M6 (A)	8	
85	SW03	SW, M3	7	
86	SW04	SW, M4	4	
87	SW05	SW, M5	9	
88	SW06	SW, M6	11	
89	SW08	SW, M8	2	

4

REEL CONTROL GROUP

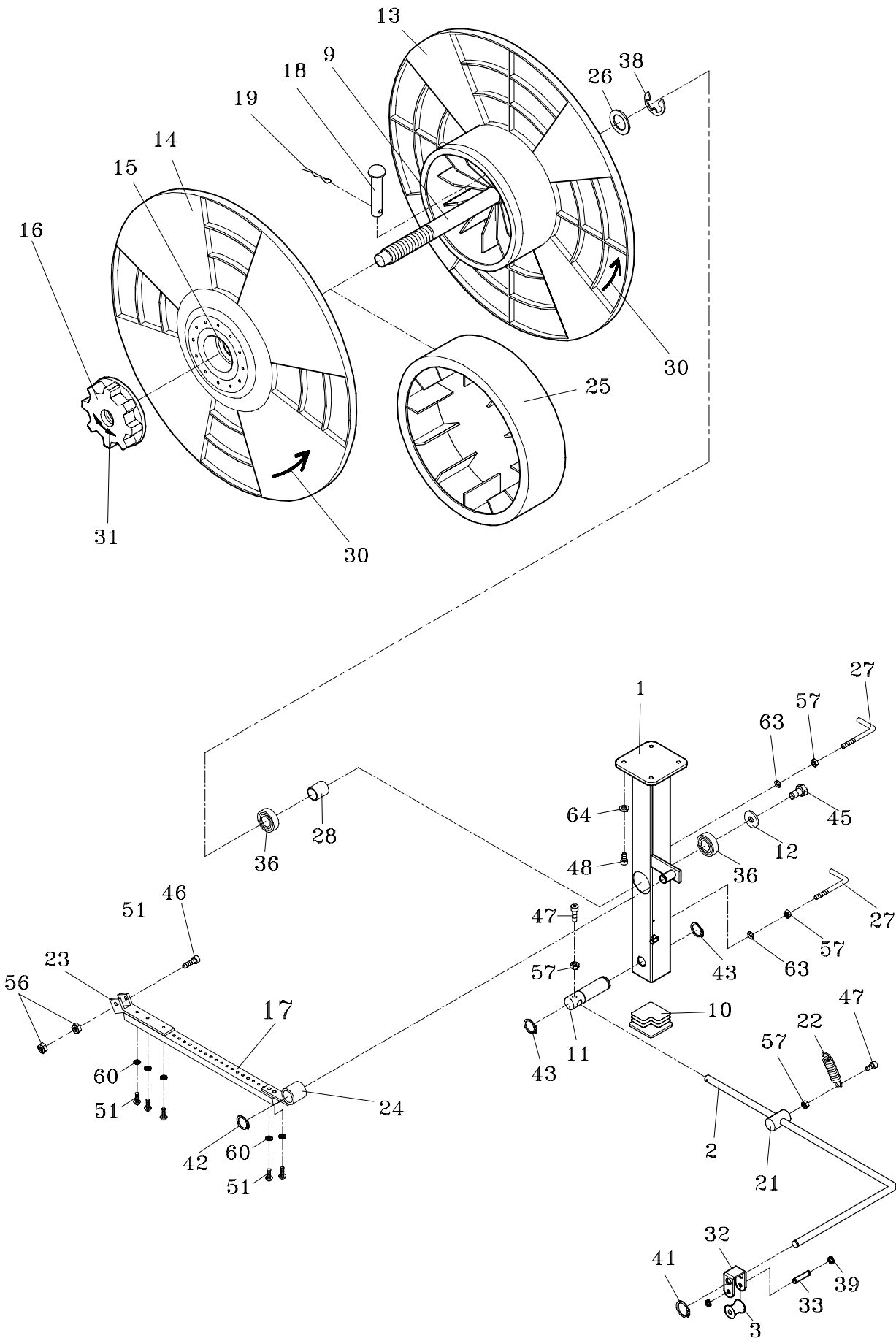
T7-4-30000



4-1

REEL CONTROL GROUP

T7-4-30000



4-1**REEL CONTROL GROUP****T7-4-30000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	T7-4-30110	Reel Support	1	
2	T7-4-30120	Arm	1	
3	T7-4-30131	Roller	1	
9	TD-003	Reel Shaft	1	
10	TC-005	Lid	1	
11	TC-009	Brake Shaft	1	
12	TC-011	Washer	1	
13	TC-013	Inner Flange	1	
14	TC-014	Outer Flange	1	
15	TC-015	Protector	1	
16	TC-016	Reel Nut Handle	1	
17	TC-018	Brake Lining	1	
18	TC-020	Pin	1	
19	TC-021	Split Pin	1	
21	TC-024	Brake Adjusting	1	
22	TC-025	Spring	1	
23	TC-045-1	Fising Brake Lining Bracket	1	
24	TC-050	Lining Holder	1	
25	TC-075	Center Drum 280MM (Option)	1	
26	TC-076	Washer	1	
27	TC-092	Holder	2	
28	TC-094	Spacer	1	
29	TE-096	Panel	1	
30	TD-097	Panel	2	
31	TD-098	Panel	1	
32	TE-027	Roller Holder	1	
33	TE-029	Pin	1	
36	BR6003ZZ	Bearing, 6003ZZ	2	
38	ER19	Snap Ring, E-19	1	
39	ER04	Snap Ring, E-4	2	
41	SR10	Stop Ring, S-10	1	

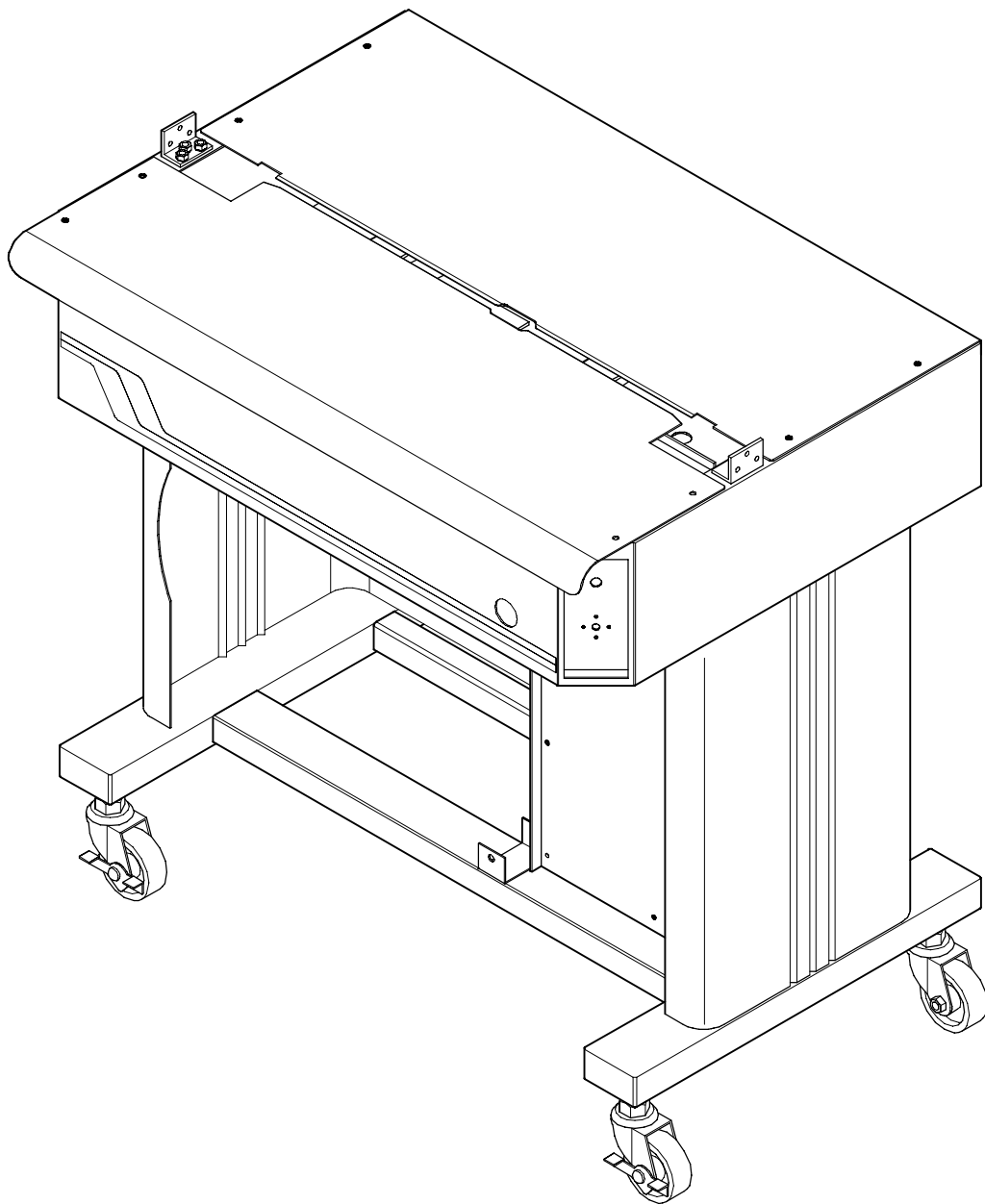
4-1**REEL CONTROL GROUP****T7-4-30000**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
42	SR15	Stop Ring, S-15	1	
43	SR20	Stop Ring, S-20	2	
45	HB0816	HB, M8x16	1	
46	HBS0525HN	HBS, M5x25 (H)(N)	1	
47	HBS0616N	HBS, M6x16 (N)	2	
48	HBS0820N	HBS, M8x20 (N)	4	
51	PMS0416	PMS, M4x16	5	
56	HN04	HN, M4	2	
57	HN06	HN, M6	4	
60	PW04	PW, M4	5	
63	SW06	SW, M6	2	
64	SW08	SW, M8	4	

5

BODY GROUP

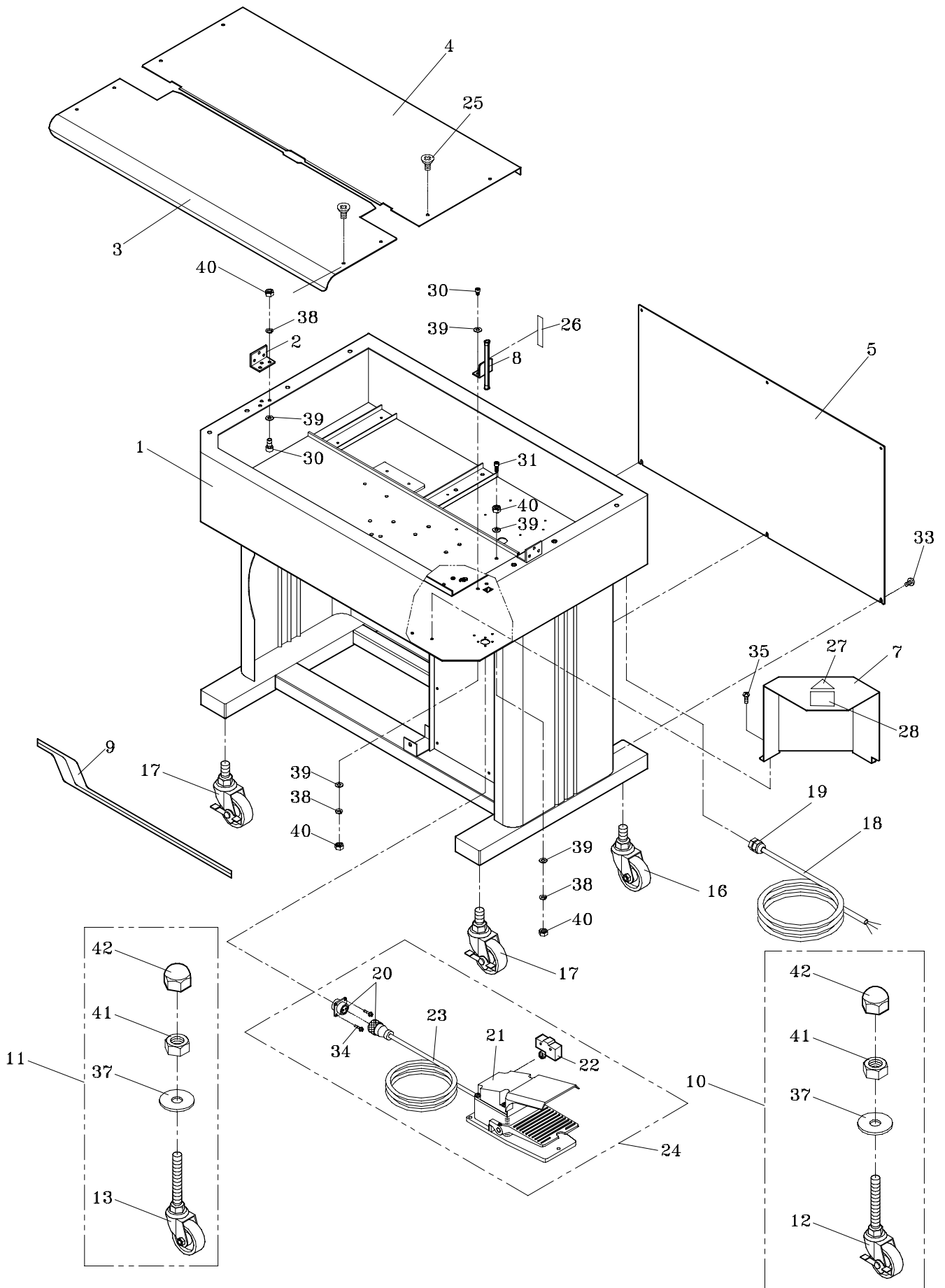
T7-5-70000



5-1

BODY GROUP

T7-5-70000



5-1

BODY GROUP

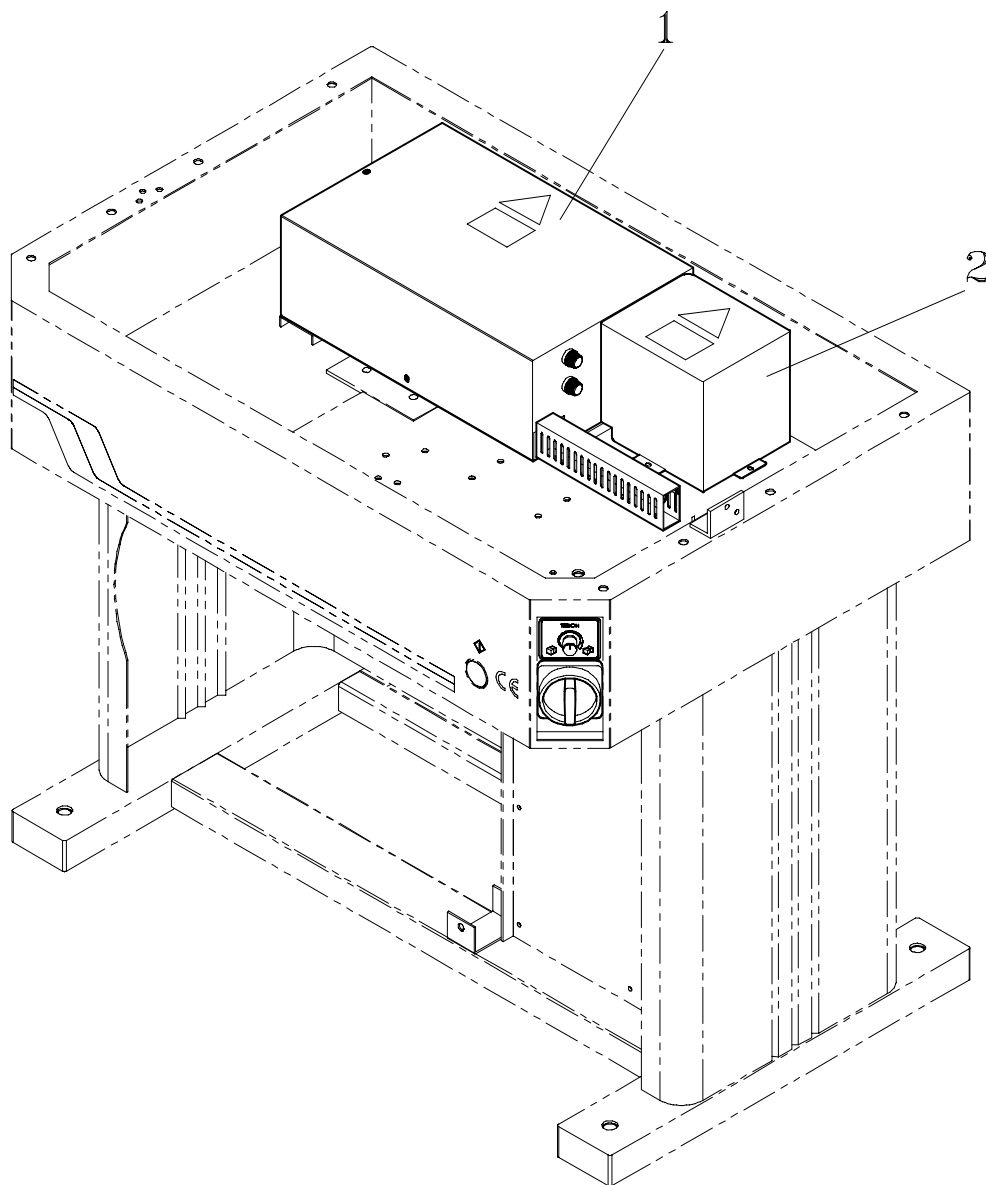
T7-5-70000

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	T7-5-70110	Body Frame	1	
2	T7-5-70120	Position Plate	1	
3	T7-5-70130	Front Table	1	
4	T7-5-70140	Rear Table	1	
5	T7-5-70150	Rear Plate	1	
7	T7-5-70170	Switch Cover	1	
8	T7-5-70180	Lower Guide	1	
9	T7-5-70190	Colored Adhesive Stripes	1	
10	T7-5-70200	Adjustable Caster Ass'y (Brake)(Option)	2	
11	T7-5-70210	Adjustable Caster Ass'y (Free) (Option)	2	
12	T7-5-70260	Adjustable Caster (Brake) (Option)	2	
13	T7-5-70270	Adjustable Caster (Free) (Option)	2	
16	TC-006	Caster (Free)	2	
17	TC-007	Caster (Brake)	2	
18	T5-4-10322	Power Cord (For CE)	1	
	T5-4-10323	Power Cord (For CSA/UL)	1	
19	T6-6-10340	Grommet (PG13.5)	1	
20	T6-6-10350	Connector (Option)	1	
21	T6-6-10421	Foot Selector Switch (Option)	1	
22	T7-5-20130	Micro Switch (Option)	1	
23	T7-5-20180	Power Cord (Option)	1	
24	T7-6-40001	Pedal Control Set (Option)	1	
25	FMS0510	FMS, M5x10	8	
26	LA-50031	Label	1	
27	LA-40001	Label	1	
28	LA-40003	Label	1	
30	HBS0616N	HBS, M6x16 (N)	5	
31	HBS0625N	HBS, M6x25 (N)	1	
33	TMS0508	TMS, M5x8	6	
34	TMS0308	TMS, M3x8 (Option)	4	
35	TMS0406	TMS, M4x6	2	
37	PW16	PW, M16 (Option)	4	
38	SW06	SW, M6	6	
39	PW06A	PW, M6 (A)	7	
40	HN06	HN, M6	7	
41	HN5/8	HN, 5/8" (Option)	4	
42	CAP5/8	CAP, 5/8" (Option)	4	

6

ELECTRIC CONTROL UNIT

T7-6-90008
T7-6-90009

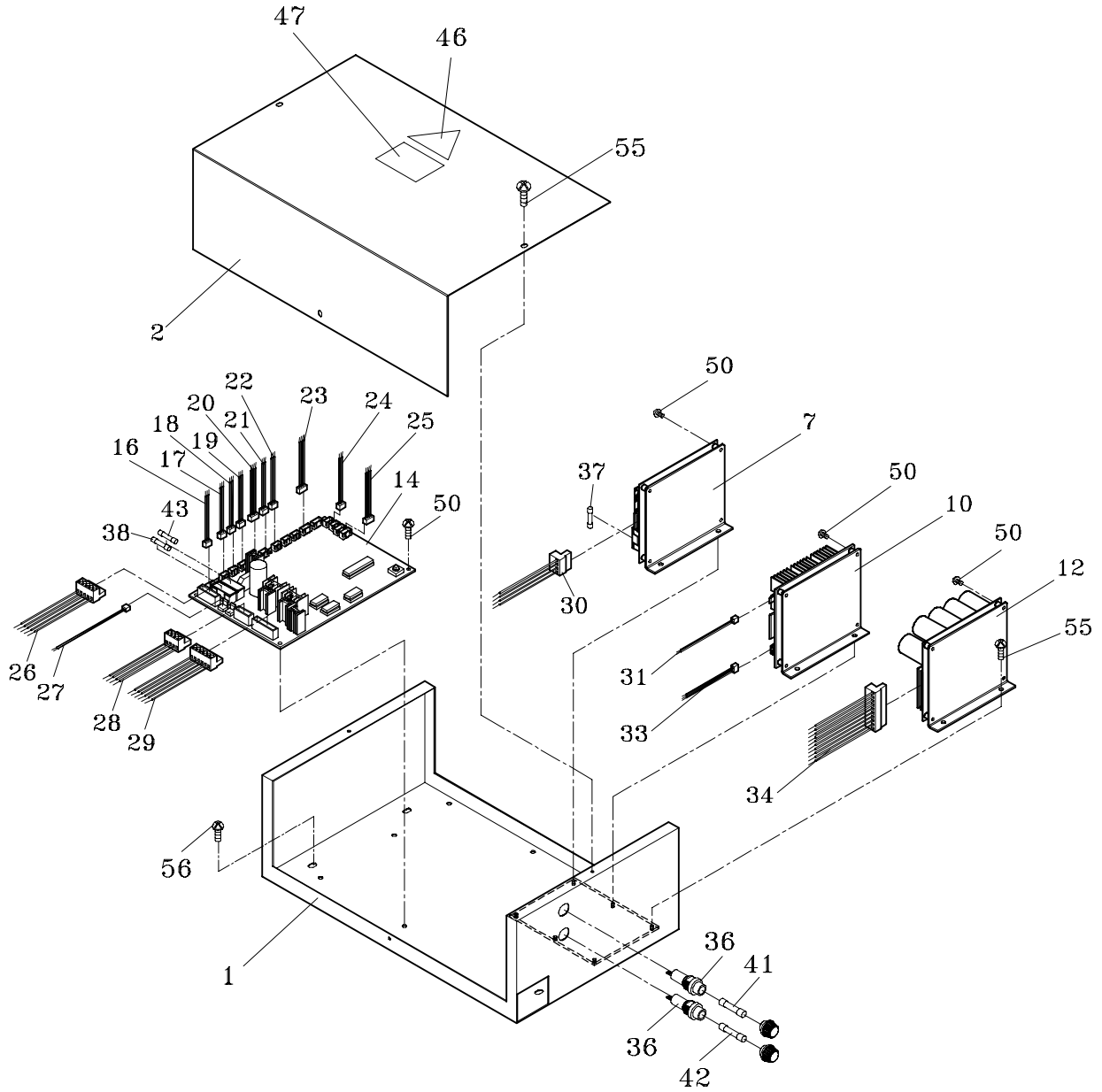


REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	T7-6-90008	Electric Control Unit (For 110V)	1	SEE PAGE 33
	T7-6-90009	Electric Control Unit (For 220V)	1	
	T7-6-60001	Control Group (For 110V)	1	
	T7-6-60002	Control Group (For 220V)	1	
2	T7-6-70000	Electric Group (For 110V)	1	SEE PAGE 35
	T7-6-70001	Electric Group (For 220V/240V)	1	

6-1

CONTROL GROUP

T7-6-60001
T7-6-60002



6-1**CONTROL GROUP****T7-6-60001****T7-6-60002**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	T7-6-60001	Control Group (For 110V)	1	
	T7-6-60002	Control Group (For 220V)	1	
1	T7-6-60110	Control Box	1	
2	T7-6-60120	Cover	1	
7	T7-6-60170	P.C.B. Ass'y (For Heater)	1	
10	T7-6-60200	P.C.B. Ass'y (For M2)	1	
12	T7-6-60220	P.C.B. Ass'y (For DC Regulator)	1	
14	T7-6-60240	P.C.B. (For Main)	1	
16	T7-6-60260	Wire Ass'y X15 (For Main P.C.B.)	1	
17	T7-6-60270	Wire Ass'y X6 (For Main P.C.B.)	1	
18	T7-6-60280	Wire Ass'y X5 (For Main P.C.B.)	1	
19	T7-6-60290	Wire Ass'y X4 (For Main P.C.B.)	1	
20	T7-6-60300	Wire Ass'y X3 (For Main P.C.B.)	1	
21	T7-6-60310	Wire Ass'y X2 (For Main P.C.B.)	1	
22	T7-6-60320	Wire Ass'y X1 (For Main P.C.B.)	1	
23	T7-6-60330	Wire Ass'y X7 (For Main P.C.B.)	1	
24	T7-6-60340	Wire Ass'y X8 (For Main P.C.B.)	1	
25	T7-6-60350	Wire Ass'y X12 (For Main P.C.B.)	1	
26	T7-6-60360	Wire Ass'y X17 (For Main P.C.B.)	1	
27	T7-6-60370	Wire Ass'y X18 (For Main P.C.B.)	1	
28	T7-6-60380	Wire Ass'y X16 (For Main P.C.B.)	1	
29	T7-6-60390	Wire Ass'y X23 (For Main P.C.B.)	1	
30	T7-6-60400	Wire Ass'y X1 (For Heater P.C.B.)	1	
31	T7-6-60410	Power Wire (For M2 P.C.B.)	1	
33	T7-6-60430	PNP Wire (For M2 P.C.B.)	1	
34	T7-6-60440	Wire Ass'y X1 (For DC Regulator P.C.B.)	1	
36	T7-6-60500	Fuse Holder	2	
37	T7-6-60510	Fuse (6.3A)	1	
38	T7-6-60530	Fuse (0.5A)	1	
41	T6-6-30032	Fuse (3A)(For 220V)	1	
	T6-6-30033	Fuse (5A)(For 110V)	1	

6-1**CONTROL GROUP****T7-6-60001****T7-6-60002**

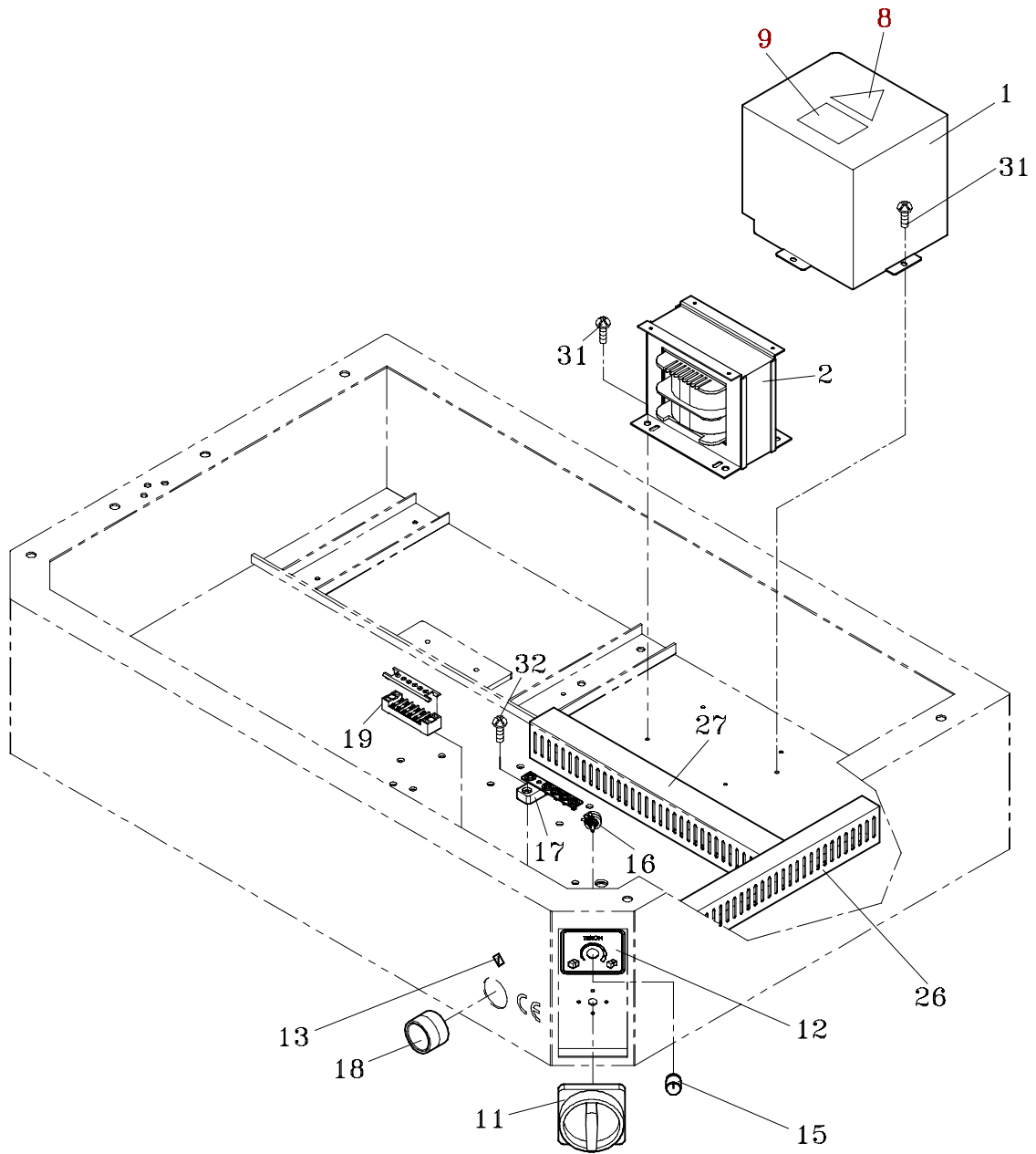
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
42	T6-6-40007	Fuse (15A)	1	
43	TT-5-10150	Fuse (1A)	1	
46	LA-40001	Label	1	
47	LA-40003	Label	1	
50	PMS0308	PMS, M3x8	17	
55	TMS0406	TMS, M4x6	9	
56	TMS0508	TMS, M5x8	4	

6-2

ELECTRIC GROUP

T7-6-70000

T7-6-70001



6-2**ELECTRIC GROUP****T7-6-70000****T7-6-70001**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	T7-6-70000	Electric Group (For 110V)	1	
	T7-6-70001	Electric Group (For 220V/240V)	1	
1	T7-6-60140	Transformer Cover	1	
2	T7-6-60150	Transformer (110V)	1	
	T7-6-60160	Transformer (220V/240V)	1	
8	LA-40001	Label	1	
9	LA-40003	Label	1	
11	TK-001	Main Power Switch	1	
12	LA-10010	Label	1	
13	LA-10011	Label	1	
15	T5-4-10222	Knob (Hole ϕ 6.0)	1	
16	T5-4-10232	Variable Resistor (5K)(ϕ 6.0)	1	
17	T5-4-10310	Earth Plate (5P)	1	
18	T6-6-10301	Strat Switch	1	
19	TF-015	Terminal Bracket	1	
26	WD33450350	Wire Duct 33x45x350	1	
27	WD45450420	Wire Duct 45x45x420	1	
31	TMS0406	TMS, M4x6	6	
32	TMS0408	TMS, M4x8	1	

11/2006