
**Mobile Pallet Strapping Machine
Operating manual and spare parts list**

S-72Y0 PLC

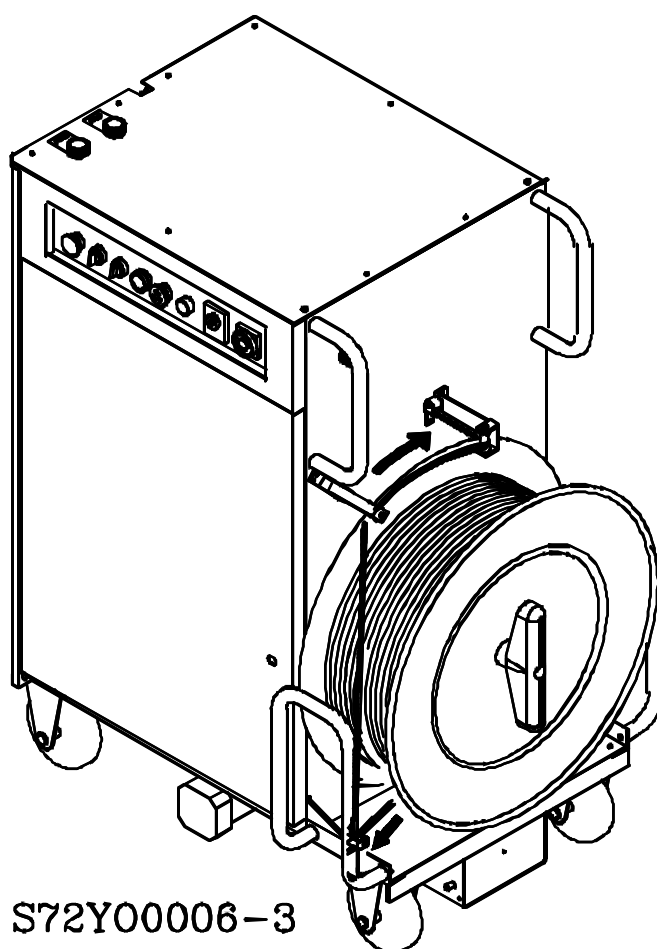
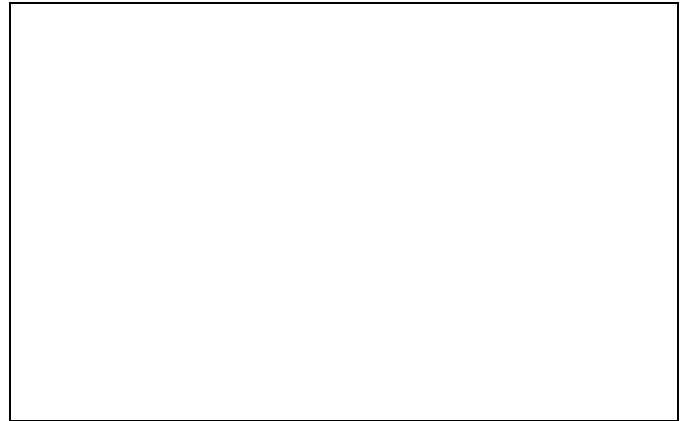
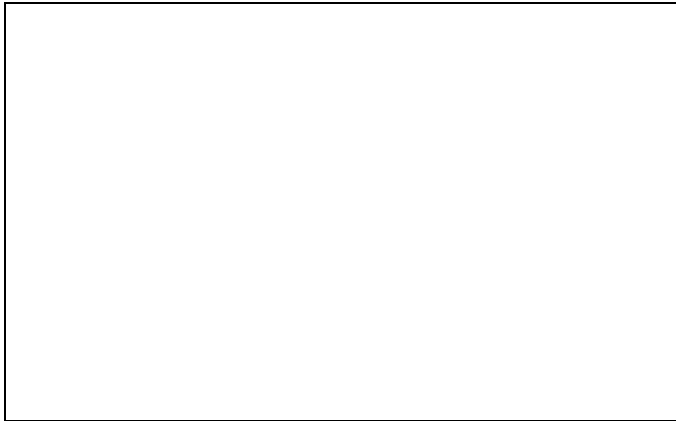


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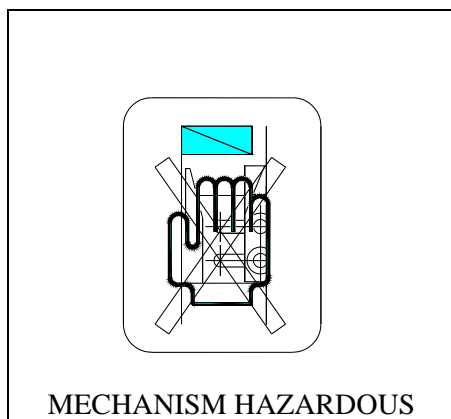
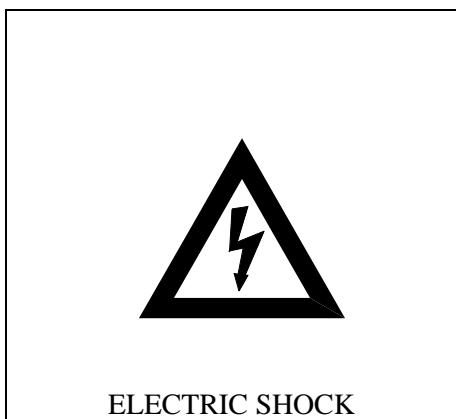
General



- **Description:**

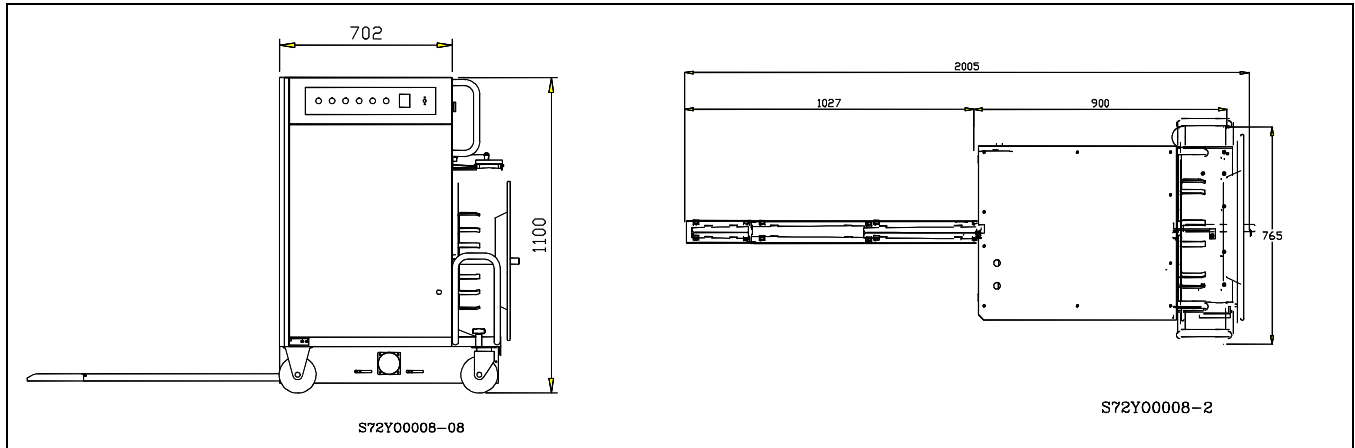
- Your patronage in the purchase of our automatic strapping machine is keenly appreciated.
- Reliably and solidly built, automatic strapping machine is extremely simple and easy to maintain.
- Use only polypropylene strap recommended by the supplier. Polypropylene strap is absolutely nontoxic, any steams respired do not harm your health in no way.
- These side-seal models are particularly notes for their dependable performance, maintenance - free operation. And its adaptability to fully automatic conveyor lines.
- Please read this brochure thoroughly prior to your use of the machine for far better efficiency in operations.

Safety rule

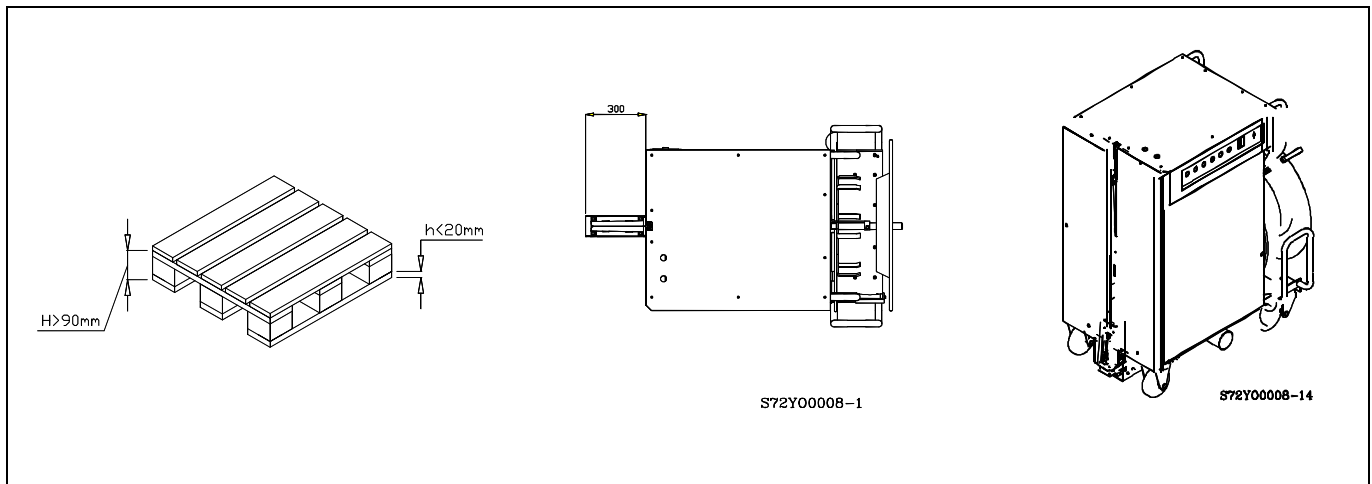


- It is prohibited for unauthorized persons to use the machine!
- Observe all safety precautions and warning signs.
- Do not remove or override any safeguards.
- Do not clean the machine or try to affect repairs while it is in operation → main switch to off !
- Do not touch the welding element tongue if the machine has been switched on (operating temperature exceeds 280°C).
- After performing adjustment, machine sure to reinstall the cover panels.
- In case of fire it is strictly prohibited to use water for the extinction.
- Follow the instructions provided in this manual.
- Shut off all electric power when machine is not in use

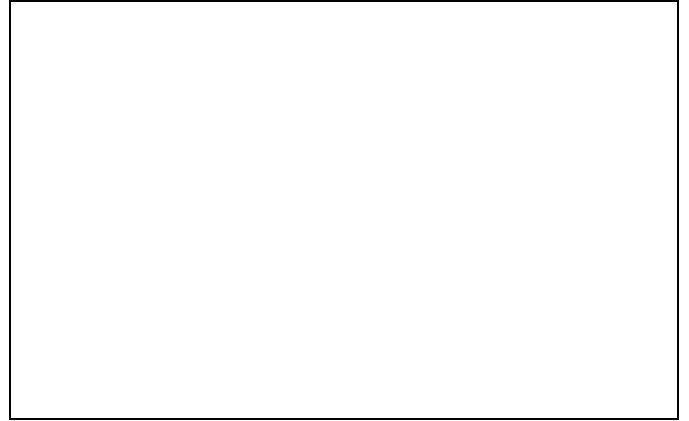
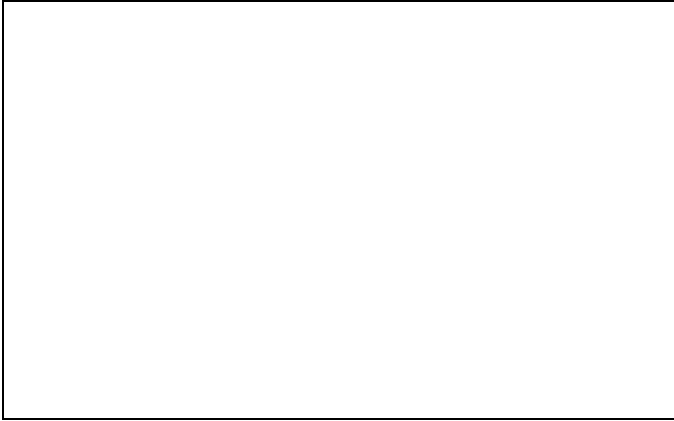
Technical data



- Article no.: S-72YO
- Tension: 15-75kg
- Sealing method: Heat element
- strap width:
9(3/8"), 12(1/2"), 15(5/8") mm polypropylene strap and polyester
- Pallet size: See Drawing
- Strap dispenser:
200mm(8"), 230mm(9") and 280mm(11") (optional).
406mm (Standard)
- Power consumption: approx. 0.8KVA
- Power connection:
220V/60Hz/3Ph
110V/60Hz/1Ph
230V/50Hz/1Ph
400V/50Hz/3Ph
or to be specified
- Layout dimensions:
900mm(L)×580mm(W)×1290mm(H)



Installation



- The power supply system must match the voltage and frequency given on the nameplate.
- Fit necessary connector and connect the machine to power.
- The directions of rotation have to correspond with the position of the switch on the control panel.

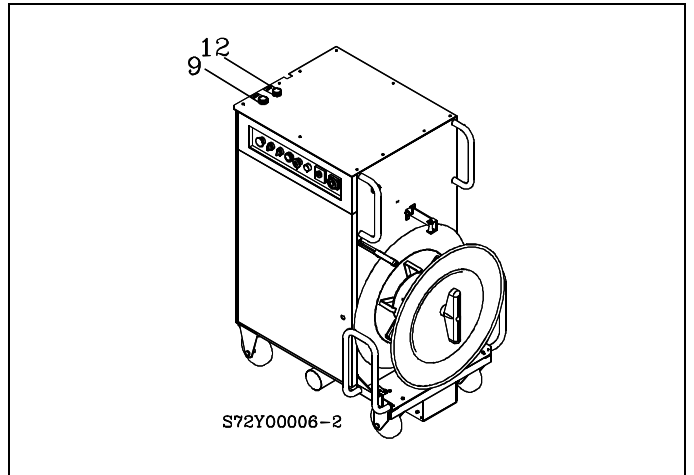
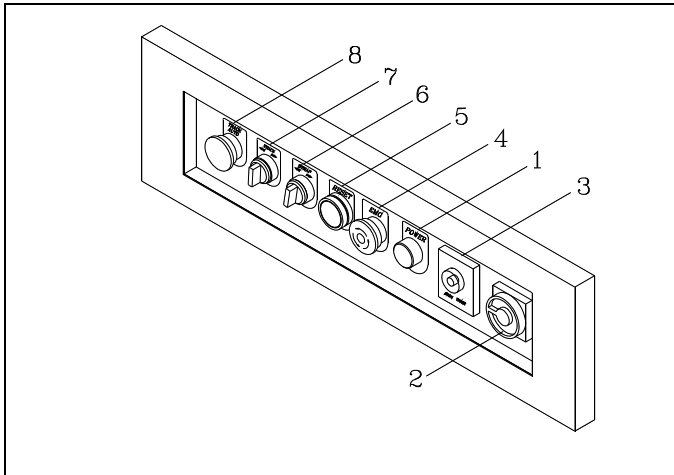
Attention:

Place the machine such that the power connector is easily accessible.

Attention:

Always pull out the power connector before opening the enclosure, the control box or a cover.

Control elements



1 Pilot Lamp

Pilot lamp illuminated while power supply (2) is turn on.

2 Main Power Switch

When the main power switch is on, the pilot lamp illuminated.

3 Timer

Feeding time can be adjusted between the range 0~12 seconds.

4 EMG. Stop Switch

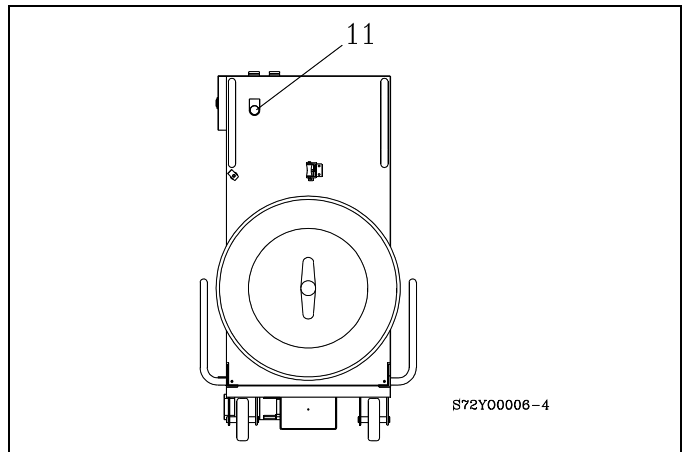
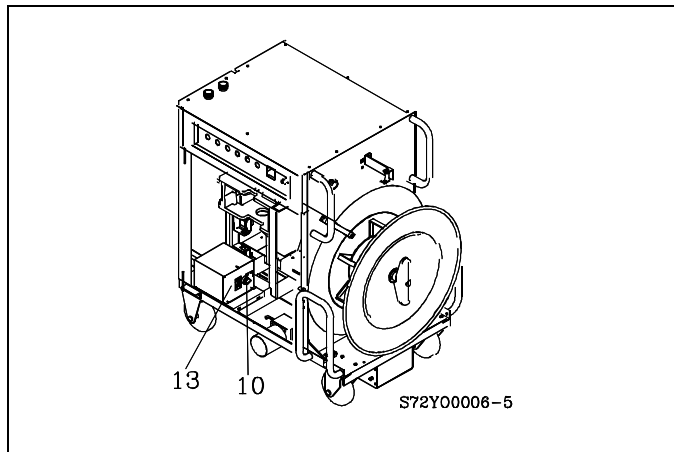
Press this switch in case of emergency. The strapping operation stops completely simply by pushing EMG. Stop switch.

5 Reset Switch

To push the Reset Switch, then the strap will to complete the strapping cycle on home position .

6 Feeding/Pulling Selective Switch

After PP strap has been fed in feeding roller, turn left this switch to feed PP strap around arch, PP strap will be stopped while it reaches the stopper. Turn right to pull back PP strap into pool magazine.



7 Track Forward/Backward

Track Forward/Backward selective Switch.

8 Track (Auto)

Track will be extended out to fix position.
Then feeding as pre-setted feeding time .

9 Start

To start strapping operation.

10 PET/PP Select Switch

To select strapping program either for PET or PP.

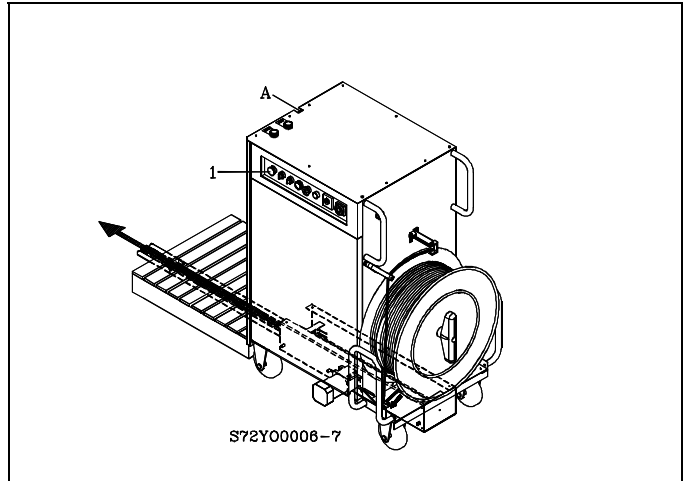
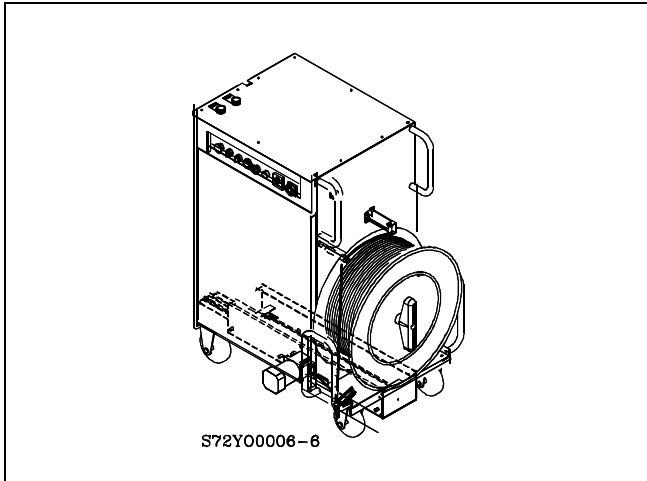
11 Brake Lock/Unlock Sw.

To release the clutch of dispenser during pushing the button.

12 Feed

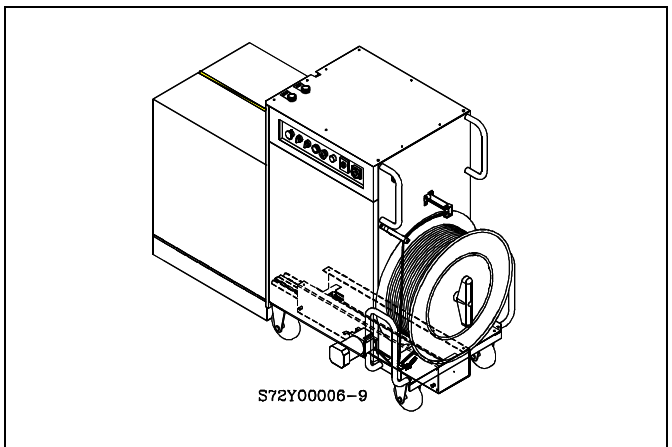
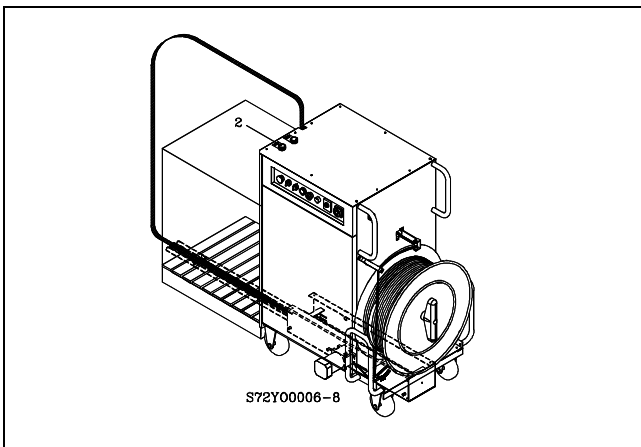
Manule mode of feeding.

Operating

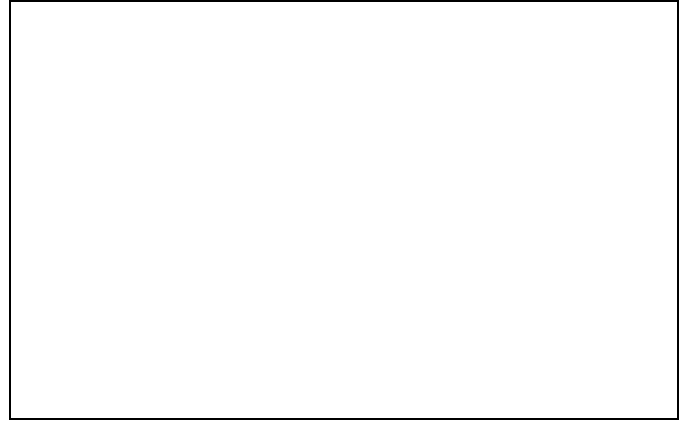
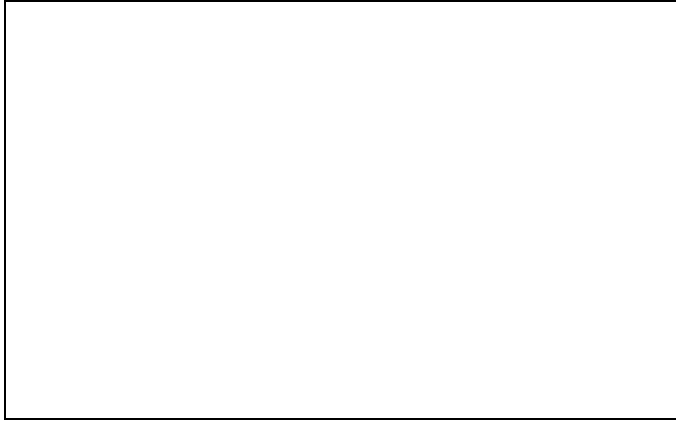


1. To thread the strap as instructions(See strap cail insert) .
2. To move the pallet strapper fill the strapper against the packaging on pallet.
3. To make sure that strapper's track may go through pallet without any obstacles If any please move the machine.
4. Push " TRACK AUTO " button(1) ,the mobile track will move forward to the maximum

5. then feeding as presetted length of strap automatically .
6. To take one end of strap to insert the strap in top feeding device (A) .
6. Push the "START" Button (2),then the strap will be fed to sealing head then complete the strapping cycle,track move back to home position.



Maintenance

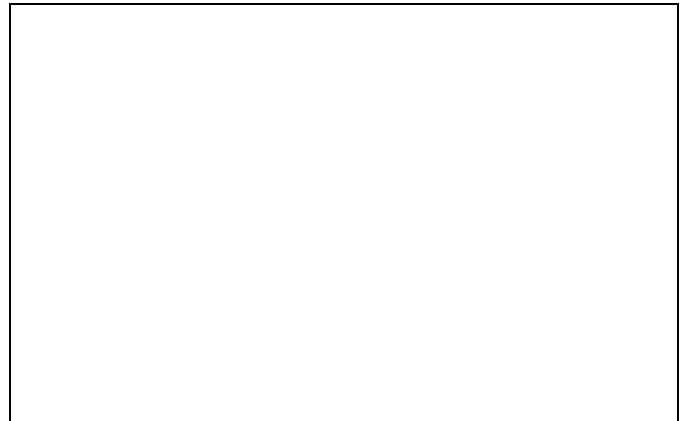
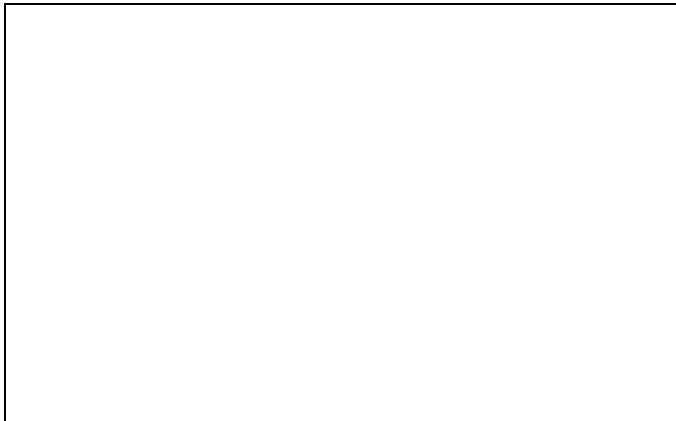


- Do not forget to turn off the power switch when it becomes necessary to perform maintenance work or to change the strap.
- Pull the strap out of the strap magazine and wind it back on to the strap reel. This will prevent the strap from becoming bent if the machine is not in use for a prolonged time.
- If a different strap width is necessary for strapping, use the strap width change which is sold as an optional accessory.

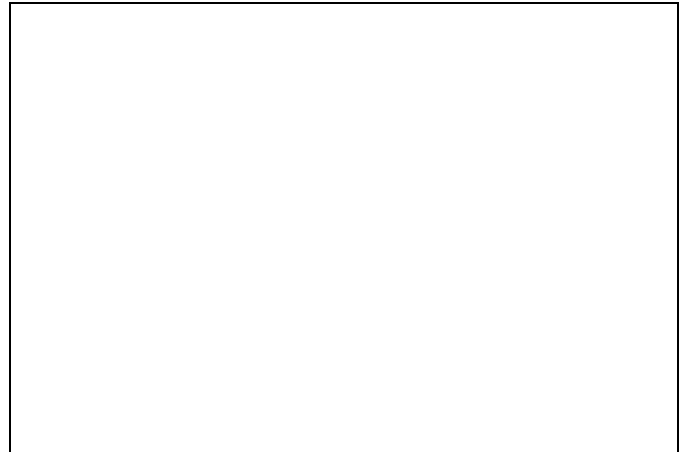
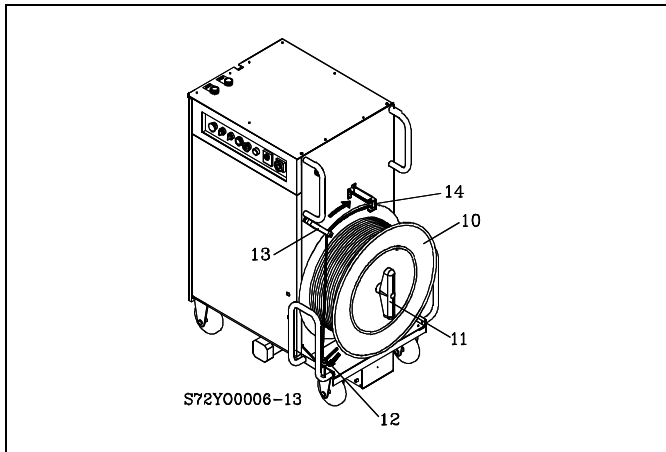
- Keep the machine clean at all times. Always remove contamination near the sealing unit and the heater caused by waste material and strap dust.
- To maintain Heater tongue with longest life, it is recommended to used “Brasso Metal Polish” oil to clean it weekly. This oil is for polishing brass, Copper, Zinc,..... etc.

Attention:

To clean heater tongue when it cool down.



Strap coil insert



Attention:

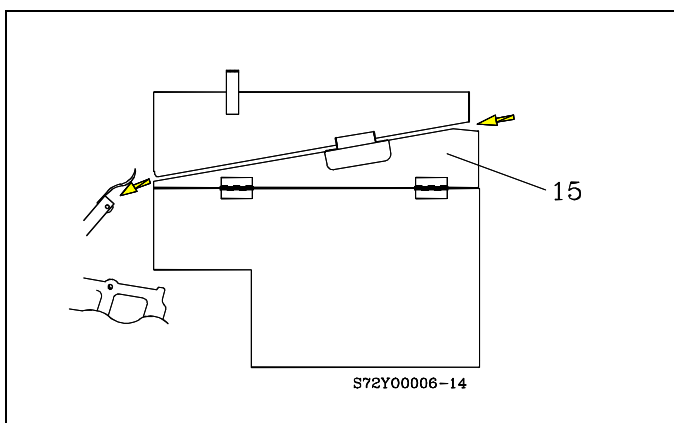
Ensure that the power supply switch is turned off before setting PP strap.

Step 1

Place a strap coil on the reel drum in according to the arrow direction as indicated on the Reel Out Circuit #10. After placing it, put the Reel Out Circular on the strap coil and tighten by the Reel Nut Handle #11.

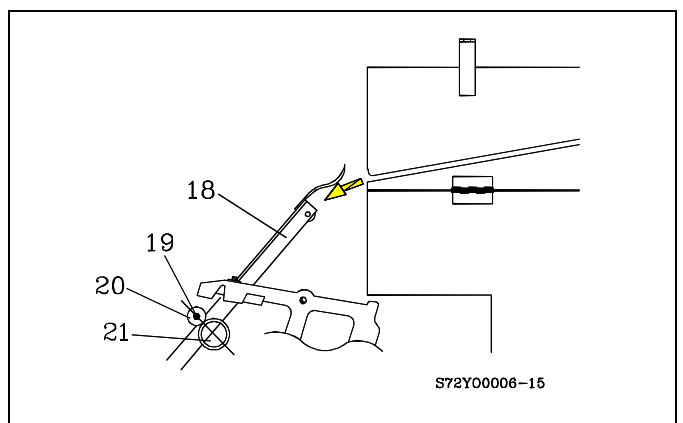
Step 2

Thread the tip of PP strap into the Band Guide Roller #12. After that, push it through the Roller #13 & Roller #14.



Step 3

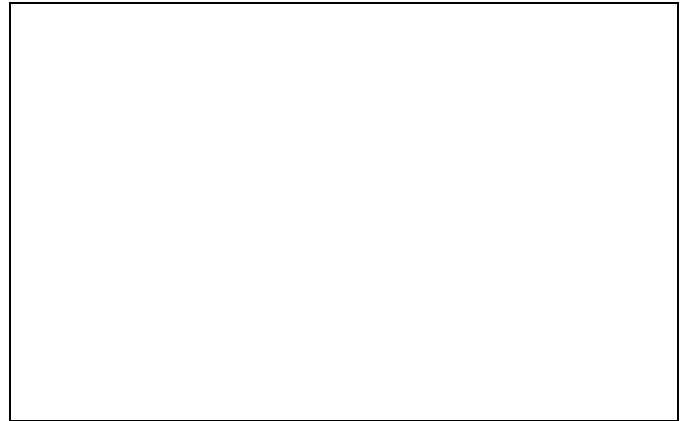
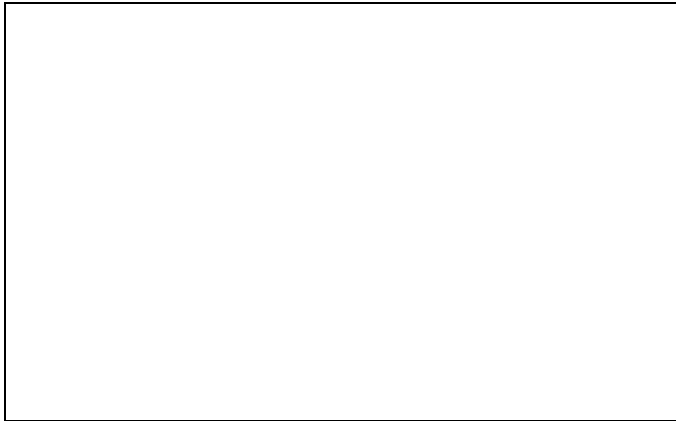
Insert it into the narrow passage of Pool Box.



Step 4

Turn the Upper Roller Grip #19 to the left hand side, while pushing the tip of strap under the Strap Cover #18. By turning the upper roller grip, the strap will go between the Feed Upper Roller #20 and the Feed Roller #21.

Troubleshooting



- **Machine does not work, pilot lamp is – ON**

Remedy:

- Loose receptacle, connector or cord.
- Re-set button of thermal relay is popped.
- Improper ground wire connection.
- Insufficient contact or breakdown of stop button.
- Insufficient contact or breakdown of start button.
- Belt of motor M23, and or of motor M26, damaged or set screw of pulley is loosened.

- **Machine does not work, pilot lamp is – OFF**

Remedy:

- Fuse is blown or out of place.
 - No electrical current flows to power receptacle. Recheck building power supply.
 - Loose cord.
 - **Strap is not feeding**
- Remedy:
- S44 works improperly (malfunction). Check position for proper contact.
 - Improper timer “K1T” or sequence PCB are damaged.
 - Belt of motor M26 or set screw of pulley is loosened.

- **Strap is not pulled in reverse**

Remedy:

- Improper S39 check position for proper contact.
- Belt of motor M26 or set screw of pulley is loosened.

- **Strap feeding does not stop**

Remedy:

- Flaps of strap way or of arch does not return completely to its proper position.
- Improper timer “K1T” or sequence PCB are damaged.

- **Motor M26 keeps tension on strap**

Remedy:

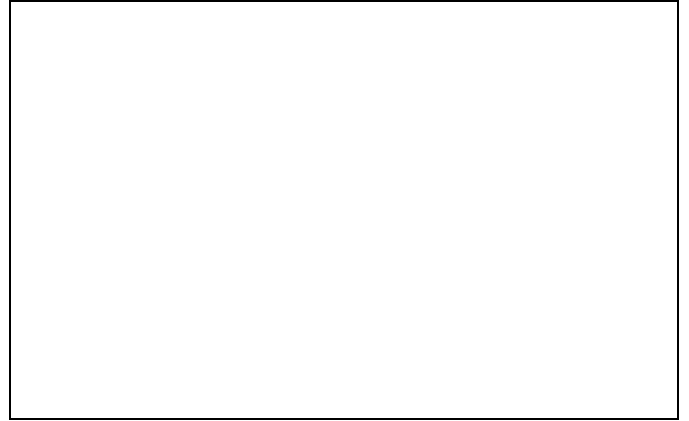
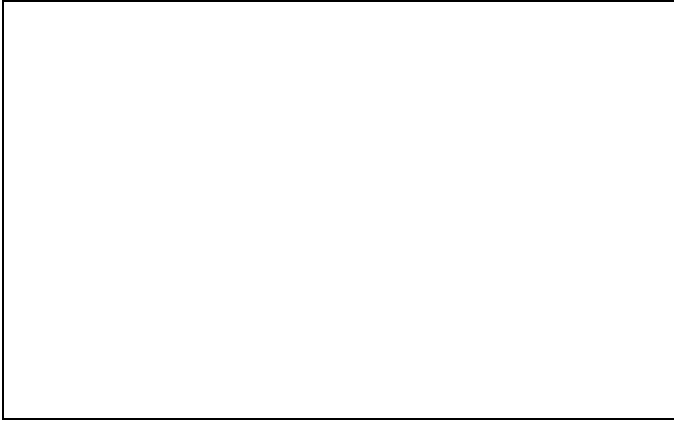
- Retract Detected are damaged.
- Improper S39 or incorrect position.

- **Every time start button is pushed, different mechanical movement takes place**

Remedy:

- Set screw of limit cam is loosened.
- Belt of motor M23 is loosened or set screw of pulley is loosened.
- Brake plate of motor M23 is improperly installed.
- Improper resistor or improper transformer which is located in control box.

Troubleshooting



- **Strap does not run to the sealing point.**

Remedy:

- Incorrect way of inserting the strap.
- Improper brake on reel or band bites into the space between coil of band and reel plate.
- Cuttings or dust on strap sticks on the upper roller.
- Tension jaw does not return to its initial position.
- Band guide does not stay at initial position.
- Improper position of upper weight.
- Tension arm does not tighten band at all.
- Improper placement of cutter, upper and lower in the event that sealed point of band split after it is cut.
- Improper number setting of timer “KIT”.
- Length of band kept in the pool box is too short.

- **Temperature does not rise**

Remedy:

- Improper indication of temperature.
- Terminals of hot plate are loosened or wire is disconnected.

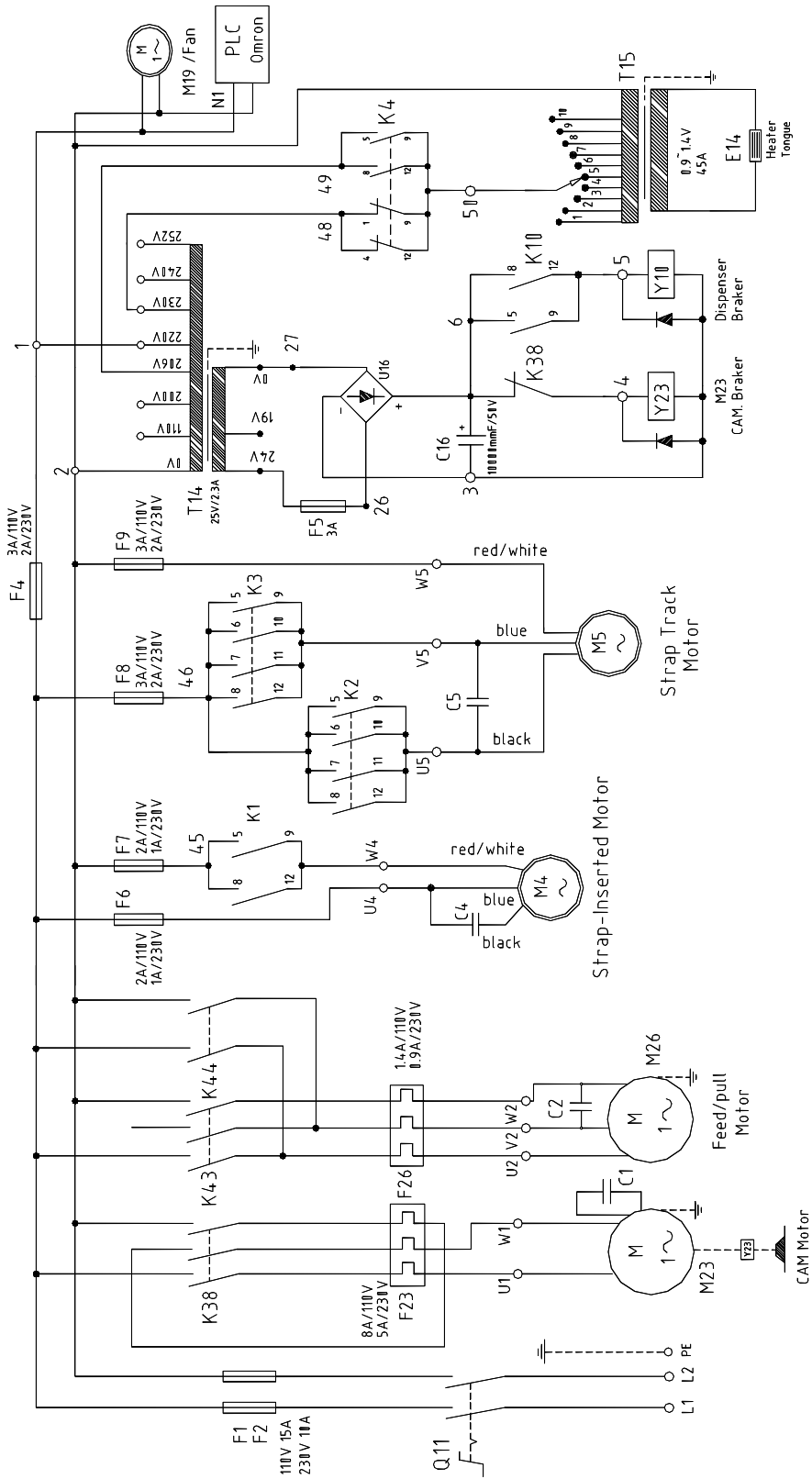
- **Temperature rises, but proper sealing does not take place**

Remedy:

- Improper angle of heat plate.
- Lack of pressure on press block.
- Insufficient movement of heat plate, spring maybe loose.

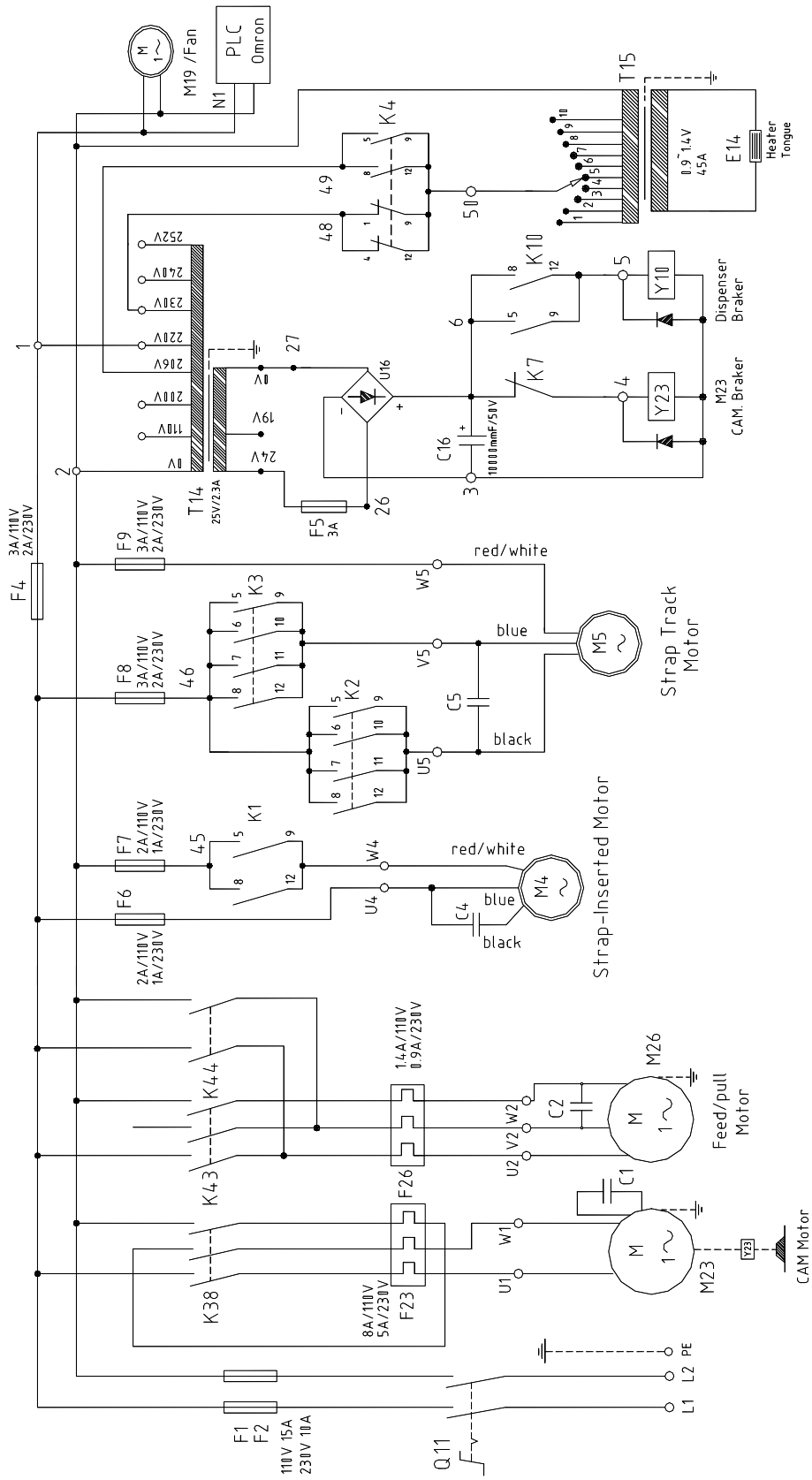
Electrical diagram—Main circuit

220V/60Hz/3Ph

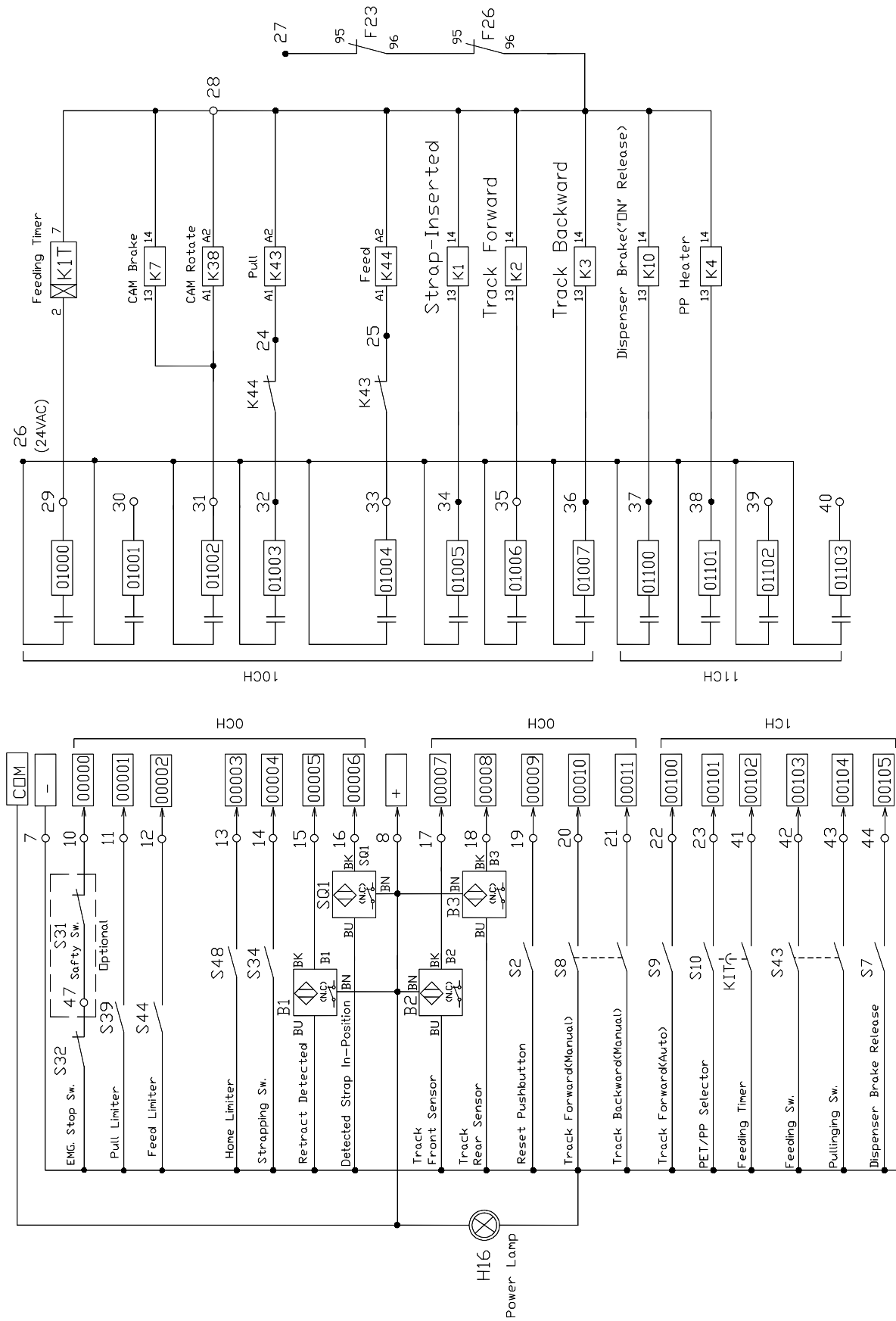


Electrical diagram—Main circuit

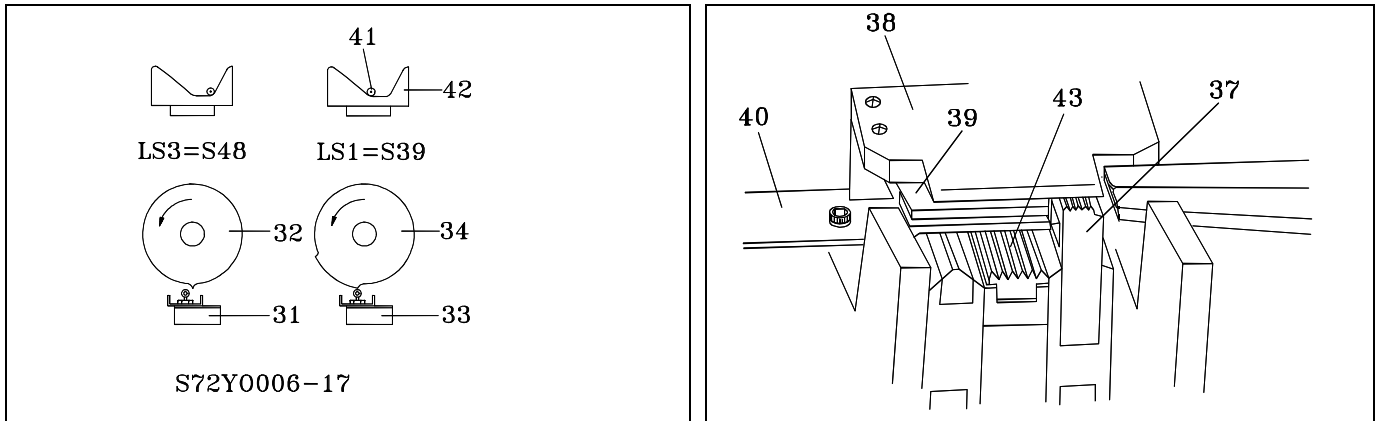
110V/60Hz/1Ph



Electrical diagram—I/O connecting

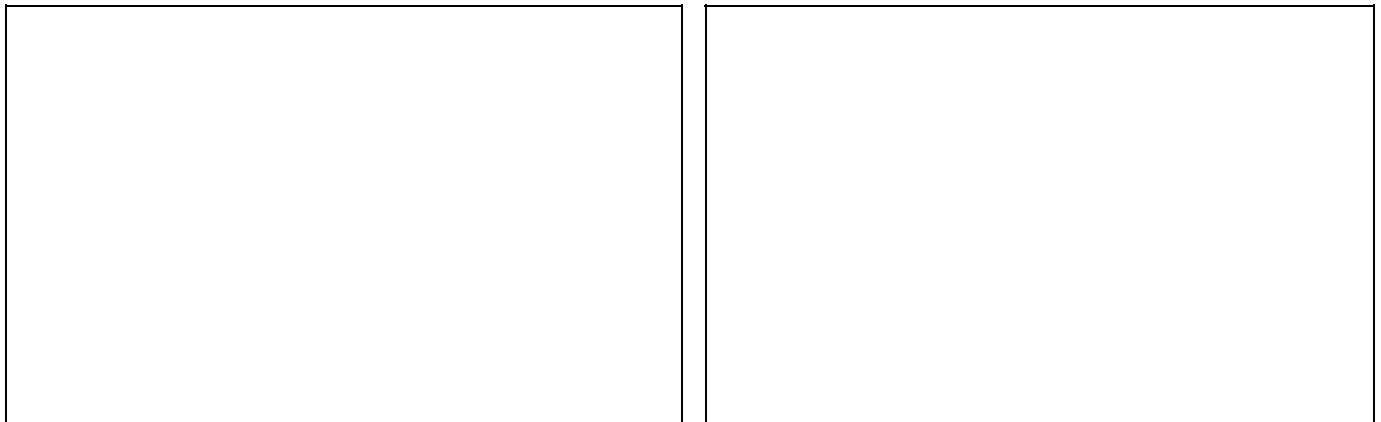


Adjustment

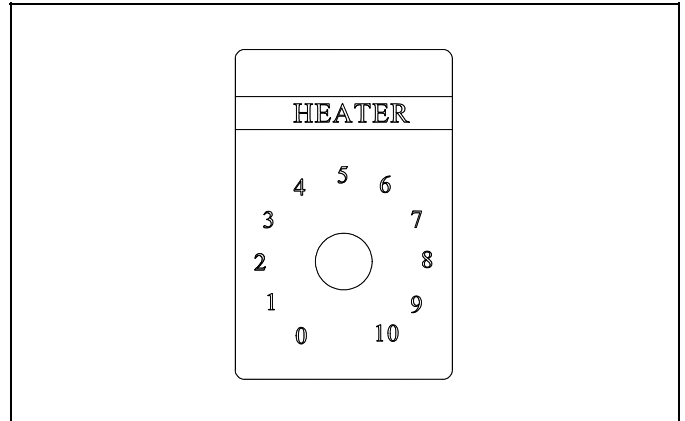
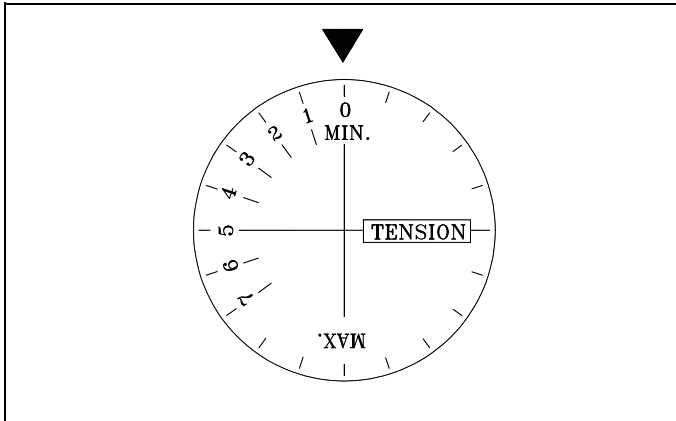


- Limit switch (Movement of control unit)**
 This shows the position of each part of control unit before starting the machine and after completing of one cycle of strapping by S48. The adjustment of original position is made by S48, (31). S48 can be adjusted limit switch contact, (32). When S39 is activated the control unit stops and the strap starts reversing. In control unit, the right-hand press unit (37) goes up to the top and grips the strap under slide table (38). Band guide, (39)

moves backward and LH bandway flap, (40), opens completely. At this moment, cam follower, (41) stays at the position before it starts rising on tension cam, (42). This shows the correct position of control unit when LS1 is activated. The correct position of S39 is given by the adjustment of S39, (33). S39 is adjusted by limit switch contact, (34).



Adjustment



- **Strap tension**

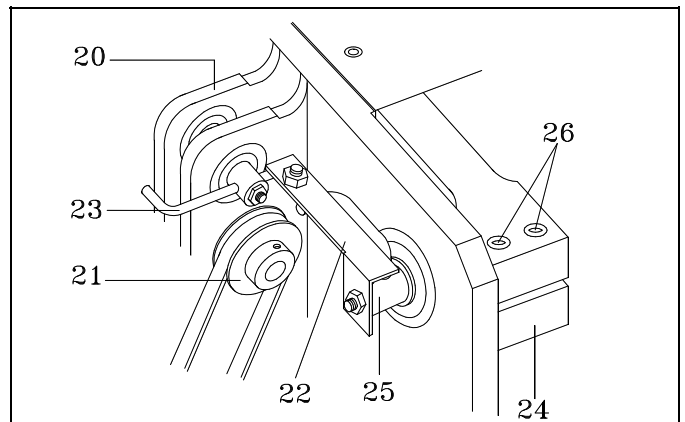
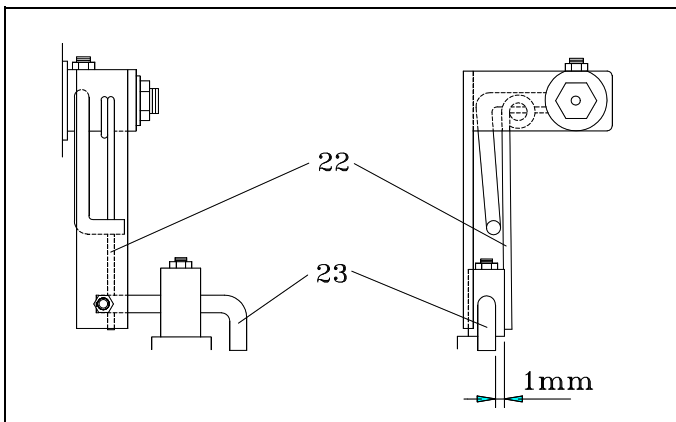
The tension dial is used to adjust the tension strength of strapping. Pull & turn the knob for adjusting.

The range of strapping tension is 0-6, so that an operator can choose the adequate strapping tension for a package. Normally, the dial position 4 or 5 is suitable for a carton box. Dial no. from 7-10 are useless on standard machine.

- **Heater temperature**

Set the dial to position of 4 to 5.

Adjust the heater temperature by turning heater dial 0-8. Choose the suitable temperature, according to climate and working conditions of machine. If the heater temperature is too high or too low, a proper seal will not be obtained. Turn heater dial gradually higher of lower and select the temperature where the best sealing occurs.



- **Feed and reverse mechanism**

When this unit is not correctly adjusted, the feeding and reversing of strap becomes irregular. Normally, this unit is set to take polypropylene strap with the thickness of 0,55 mm – 0,65mm. When the thickness of strap varies, adjust the part marked by circle in the drawing, so that the clearance should be 1mm between the upper roller hook (23). When this unit is not precisely adjusted, the strap cannot be reversed properly. (the strap seals before tightening around the package). Also, the strap comes out of the arch track when feeding. That is the case if no clearance between them.

1. Check if the control unit return to its original position. Insert the strap between feed roller (21) and feed upper roller (20).
2. Loosen 2 bolts (26) holding the right-hand block arm (24) with the press arm shaft (25). Press arm shaft then moves easily by hand.
3. Adjust to have a clearance of 1 mm between the upper roller spring (22) and the upper shaft spring hook (23).
4. Tighten 2 bolts (26).

Adjustment

- **Electric unit**

- **Timer “K1T”**

- This timer, “K1T”, determines the time necessary for feeding the strap. The strap is fed according to the preset time on the dial of timer “K1T”. The feeding time can be adjusted on the range 0~12 seconds.

Spare parts list S-72Y0
PLC

Control unit

No.	Part No.	Description	Qty
1	A30-150001-0	Control Frame	1
2	A20-123050	Slide Table Frame	1
3	A20-121001	Band Guide Arm	1
4	A20-120008	Flap Connecting Spring Bracket	1
5	A20-122002	Band Guide Spring Bracket	1
6	G01-202325	Metal Bush, MB2025	3
7	G07-221210	Cam Follower, KR22XII	2
8	A20-120007	Band Guide	1
9	G04-216304	Ball Bearing, 6304ZZ	2
10	A20-120004	Slide Table Back Adjuster	1
11	A20-122001	Band Guide Spring	1
12	A20-150002	Band Width Block	1
13	A20-140007	Heater Stopper	1
14	A20-140004	Heater Slider Guide (A)	1
15	A20-140003	Heater Slider Guide (B)	1
16	A20-150003	Slide Table Cover	1
17	A20-120003R1-GAA	Slide Table (9mm)	1
	A20-120003R1-AAA	Slide Table (12mm)	1
	A20-120003R1-IAA	Slide Table (15mm)	1
18	A70U-301006	Heater Cover	1
19A	A20-143000	Heater Set	1
20A	A11-142150	Heater Crank A-72Y/A-70U/S72YO	1
21	A20-140005	Heater Crank Shaft	1
22	G01-202315	Metal Bush MB2015	4
23	G04-216304	Ball Bearing, 6304ZZ	1
24	A20-142003	Heater Crank Collar	1
25	A20-142002	Heater Bearing Shaft	1
26	A20-140002	Heater Crank Spring	1
27	A20-171008	Feed Shooter Cover	1
28	A20-171007CAA	Feed Shooter (9mm)	1
	A20-171007DAA	Feed Shooter (12mm)	1
	A20-171007EAA	Feed Shooter (15mm)	1
29	A20-130005	Press Tension Spring	3
30	A20-131001	RH, Block Arm	1
31	A20-132001	Center Block Arm	1
32	A20-133001	LH. Block Arm	1
33	A20-131004	RH. Block Spring	1
34	G01-202320	Metal Bush, MB2020	2
35	A20-131002	Cutter Upper	1
36	A20-132002	Universal Press	1
37	A20-133002	Jaw Left	1
38	A20-132005	LH & Center Block Spring	2

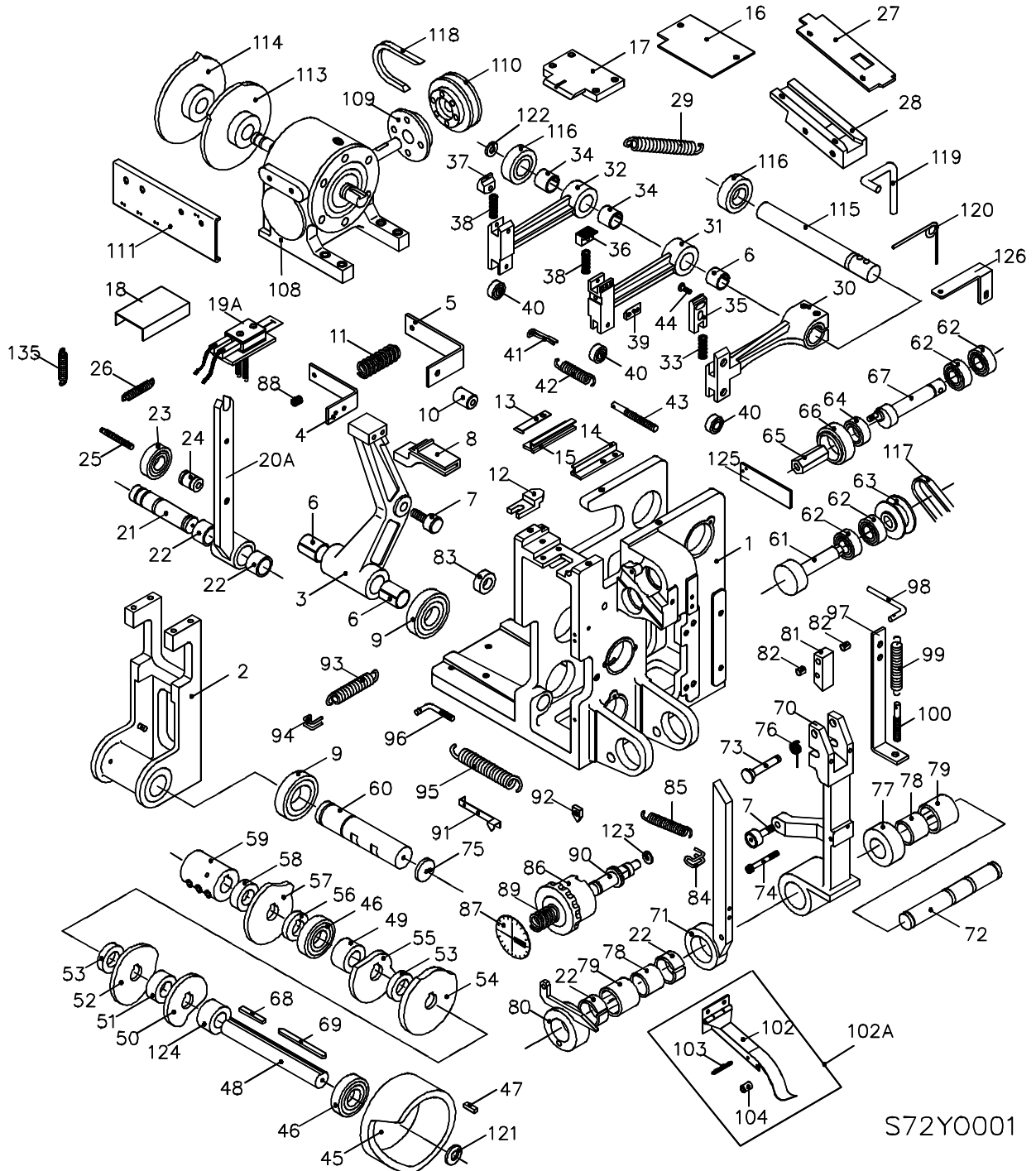
Control unit

No.	Part No.	Description	Qty
39	A20-132003	Cutter Lower	1
40	G04-210628	Ball Bearing, 628ZZ	3
41	A20-132004	Cutter Spring Hook	1
42	A20-130006	Cutter Tension Spring	1
43	A20-130002	Cutter Tension Spring Hook	2
44	A20-131003	Cutter Upper Pin	1
45	A20-110001	Tension Cam	1
46	G04-216205	Ball Bearing, 6205ZZ	2
47	W37-070720	Key, 7x7x20 (Square)	2
48	A20-111006	Cam Shaft	1
49	A20-111008-1	Collar 28.8x34x28.3	1
50	A20-111002	RH Press Cam	1
51	A20-111009	Collar 28.8x34x20	1
52	A20-111015-2	Center Press Cam	1
53	A20-111010	Collar 28.8x34x8	2
54	A20-111004	Heater Cam	1
55	A20-111005	LH. Press Cam	1
56	A20-111011	Collar 28.8x34x5.5	1
57	A20-111001	Slide Table Cam	1
58	A20-111012	Collar 28.8x34x14	1
59	A20-111007	Cam Shaft Coupling	1
60	A20-120002	Slide Table Frame Shaft	1
61	A20-171201	Feed Roller	1
62	G04-216202	Ball Bearing, 6202ZZ	4
63	A20-171006	Feed Roller Pulley	1
64	G04-210628	Ball Bearing, 628ZZ	1
65	A20-171005	Lever Holder	1
66	A20-171101B-CAA	Feed Upper Roller (9mm) Rubber Coating	1
	A20-171101B-DAA	Feed Upper Roller (12mm) Rubber Coating	1
	A20-171101B-EAA	Feed Upper Roller (15mm) Rubber Coating	1
67	A20-171003	Feed Upper Roller Shaft	1
68	W37-070748	Key 7x7x48 (Square)	1
69	W35-070790	Heater & Press Cam Key 7x7x90	1
70	A20-161001	Tension Arm	1
71	A20-165150	Tension Adjust Arm	1
72	A20-160001	Tension Arm Shaft	1
73	A20-161002	Tension jaw Shaft	1
74	A20-161003	Tension Arm Spring Hook	1
75	A20-120010	End Plate	1
76	A20-161004	Tension Jaw Spring	1
77	A20-160004	Tension Arm Spacer	1
78	G13-202516	Needle Bearing, IR202516	2
79	G10-253216	Needle Bearing, HK2516	2
80	A20-164150	Tension Adjuster	1

Control unit

No.	Part No.	Description	Qty
81	A20-162001	Tension Jaw	1
82	G01-081008	Metal Bush, MB0808	2
83	A20-120005	Slide Table Stopper	1
84	A20-165003	Spring Hook	1
85	A20-160003	Tension Adjust Spring	1
86	A20-163001	Tension Adjust Cam	1
87	A20-163003	Plate (Tension Select Dial)	1
88	A20-410003	LH Bandway Stop Spring	1
89	A20-163004	Tension Adjust Cam Spring	1
90	A20-163002	Tension Adjust Shaft	1
91	A20-163009	Tension Indicated Arm	1
92	A20-163005	Tension Adjust Cam Lock	1
93	A20-120012	Slide Table Tension Spring	1
94	A20-120011	Slide Table Spring Hook	1
95	A20-160002	Tension Arm Spring	1
96	A20-160006	Tension Arm Spring Hook L-Type	1
97	A20-173001	Upper Adjust Base	1
98	A20-173002	Upper Adjust Spring Hook	1
99	A11-500015	Upper Adjust Spring	1
100	A20-173003	Upper Adjust Spring Rod	1
102A	A10-166000	Tension Arm shooter A-72Y	1
108	A93-112000	Gear Box	1
109	E21-010004S	Stator (FBD-1.2 24V 15W)	1
110	A20-110016A	Gear Box Pulley Assembly	1
111	A20-110008	Limit Switch Bracket	1
113	A20-113050A	Limit Cam (S39)	1
114	A20-114050B	Limit Switch Contact (S48)	1
115	A20-130001	Press Arm Shaft	1
116	G04-216304	Ball Bearing 6304ZZ	2
117	G16-010018-1	V-Belt, M-18	1
118	G16-020027	V-Belt, A-27	1
119	A20-130004	Upper Shaft Spring Adjuster	1
120	A20-130003	Upper Roller Spring	1
121	A20-110002	Cam Shaft End Plate	1
122	A20-130007	End Plate	1
123	A20-163008	Tension Adjust Bolt Spacer	1
124	A20-111008-2	Collar 28.8x34x27.8	1
125	A20-240024	Lever	1
126	A20-240025	Adjust Rod	1
135	A11-142001	Spring A-72Y/A-70U	2

Control unit

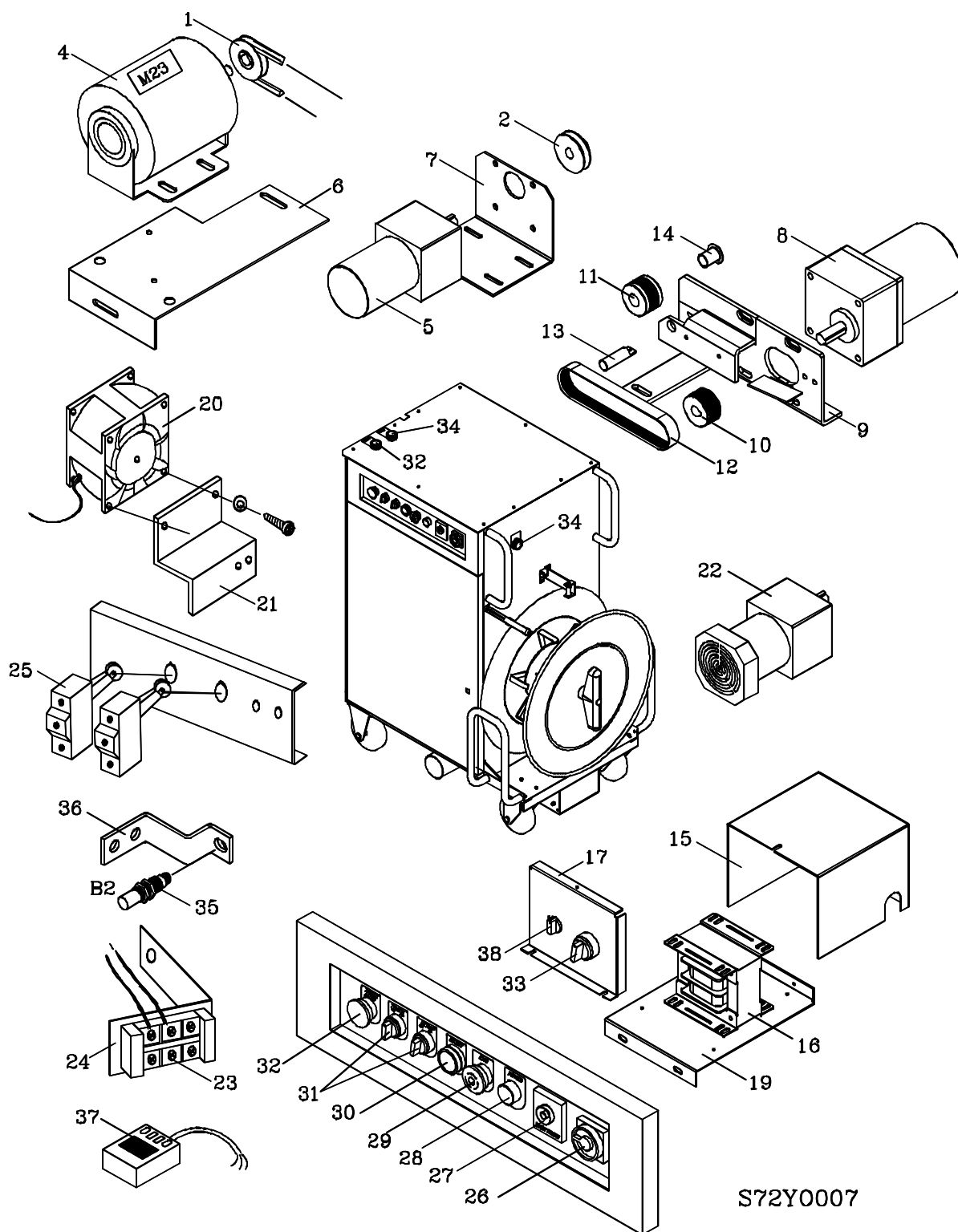


S72Y0001

Electric control unit

No.	Part No.	Description	Qty
1	A20-210001	Motor Pulley (60HZ) M1	1
2	S30-770001	Motor Pulley (60HZ) M1	1
4	E01-010028	Motor Sealing (M23)230/400V 1/3HP 50/60HZ (3PH)	1
	E01-010064	Motor Sealing (M23)110V/60HZ/500W (1PH)	1
	E01-010065	Motor Sealing (M23)230V/50HZ/400W (1PH)	1
5	E01-010092	Motor M-5IK90U-S 220V、230V/380V、400V/3PH	1
	E01-010088	Motor M-5RK90U-A 110V/1PH	1
	E01-010091	Motor M-5RK90U-C 220V/1PH	1
	E01-060028	Gear Box G5U5K 5i	1
6	A10-210003	Motor Holder Base	1
7	S30-770002-2	Motor Holder Base	1
8	E01-010087	Motor M-3IK15N-CF 220V、230V/1PH、3PH ; 380V、400V/3PH	1
	E01-010086	Motor M-3IK15N-AF 110V/1PH	1
	E01-060026	Gear Box,G3N3K 3i	1
9	S30-711150	Motor Holder Base	1
10	S30-711001	Motor Pully	1
11	S30-711003	Pully	1
12	G19-125J05	Poly-V Belt,125J5	1
13	S30-711002	Shaft	1
14	G01-101215F	Metal Bush,DU1015-F	1
15	S30-750005-0	Box Cover	1
16	E17-010042	Heater Transformer 225	1
17	S30-750004-0	Heater Control Box Cover	1
19	S30-750001-2	Heater Transformer Holder Base	1
20	E01-040001	Fan 220V 80×80×40	1
	E01-040004	Fan 110V 80×80×40	1
21	A20-210016	Fan Holder	1
22	E01-010090	Motor M-5IK60N-CF 220V、230V/1PH、3PH ; 380V、400V/3PH	1
	E01-010089	Motor M-5IK60N-AF 110V/1PH	1
	E01-060027	Gear Box G5N12.5K 12.5i	1
23	E53-120002	Terminal Block 3P25A	1
24	A20-210004	Holder	1
25	E07-040010	Limit Switch ZC-Q2255	2
26	E07-010015	Main Power Switch CQ1203KL6	1
27	E05-010026	Timer 12Sec/24VAC	1
28	E19-010005	Power Pilot Lamp ALW/220V	1
29	E07-020047	Stop Push Button 800EP-MT4+800E3×01+800EA3L	1
30	E07-020043	Reset Push Button ABFB-Y	1
31	E07-010026	Selector Switch SHAS-221/2A	2
32	E07-020049	Push Button Switch 800E-M3+800E-XL10	2
33	E07-010025	Selector Switch SHAS-221/1A	1
34	E07-020027	Push Button Switch ABFB-W	2
35	E07-090006	Proximity Switch	1
36	A20-240027	Proximity Switch Bracket	1
37	E07-090003	Proximity Switch TLQ5MC2 12VTO 24VDC	2
38	E07-010004	Selector Switch 8105B-G	1

Electric control unit

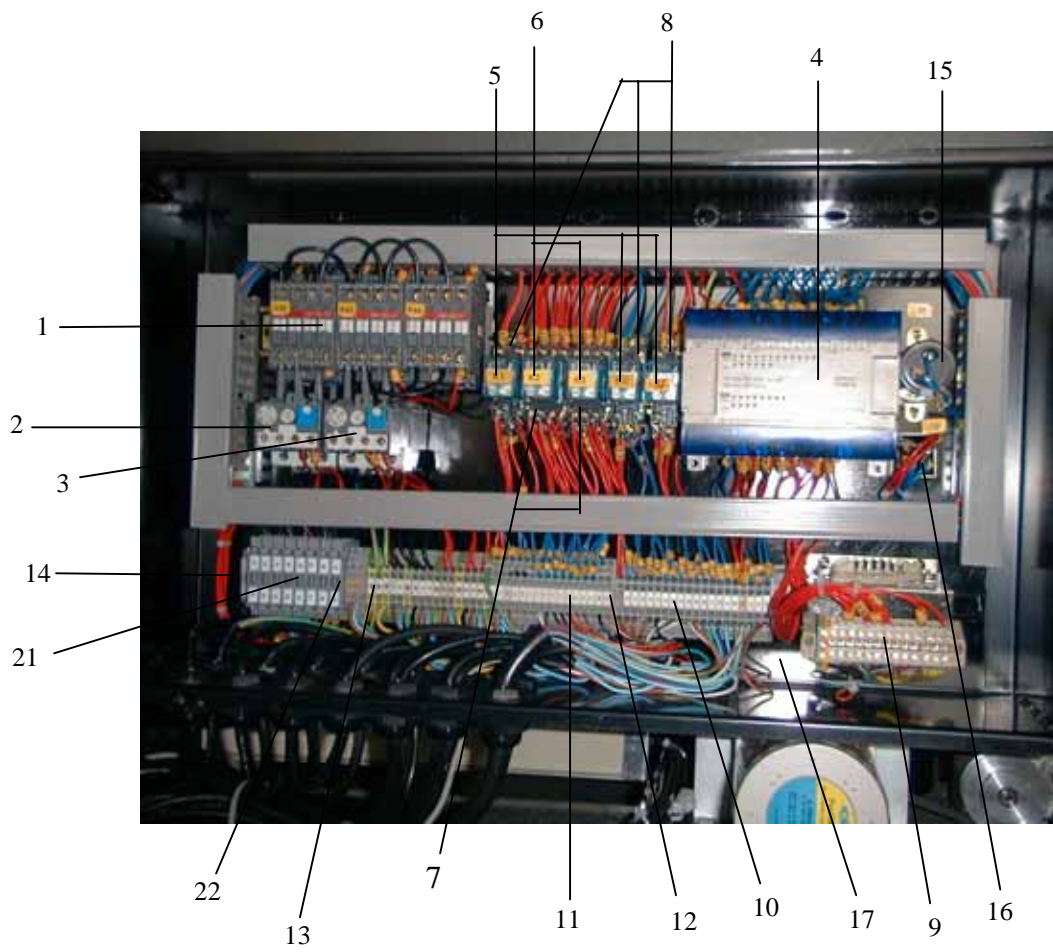
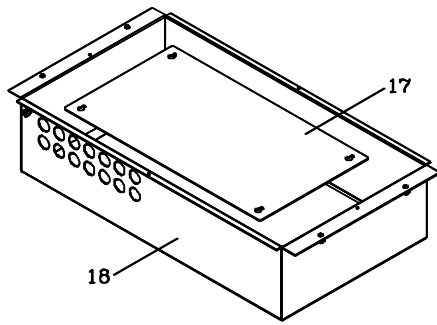


S72Y0007

Control box

No.	Part No.	Description	Qty
1	E03-010015R2	Magnetic Switch A9-30-01/AC/24V	3
2	E23-030012R2	Overload Relay TA25DU6.5 (230V/1PH)	1
	E23-030014R2	Overload Relay TA25DU8.5N (110V/1PH)	1
	E23-030010R2	Overload Relay TA25DU1.4 (400V/3PH)	1
	E23-030016R2	Overload Relay TA25DU2.4 (230V/3PH)	1
3	E23-030009R2	Overload Relay TA25DU1.0 (230V/1PH/3PH)	1
	E23-030010	Overload Relay TA25DU1.4 (110V/1PH)	1
	E23-030029	Overload Relay TA25DU0.63 (400V/3PH)	1
4	E25-301008	Programmable Controller TPM1A-30CDR-A	1
5	E03-020027	Relay OMRON MY2-US-24VAC	3
6	E03-020006	Relay OMRON MY4-US-24VAC	2
7	E03-050003	Relay Socket PYF14A-E	2
8	E03-050004	Relay Socket PYF08A-E	3
9	E17-010015	Transformer A93001	1
	E17-010046	Transformer A93001 252/24V/3A	1
10	E53-240060	Terminal Block (Single Entry) 280-601	30
11	E53-240062	Terminal Block (Double Entry) 280-646	18
12	E53-240063	End Barrier280-312	1
13	E53-240061	Terminal Block Grounding 280-607	7
14	E53-240065	End Holder	2
15	E11-010011	Capacitor 10000UF/50VDC	1
16	E15-010005	Bridge KBPC 2506	1
17	S30-221001-0	Panel	1
18	S30-220050-1	Control Box	1
21	E23-050004	Fuse Holder M4/8 SF2	9
	E23-010017	Fuse F1~3 5×20(400V/3) 5A	3
	E23-010019	Fuse F1~3 5×20(230V/3) 8A	3
	E23-010030	Fuse F1~2 5×20(230V/1) 10A	2
	E23-010025	Fuse F1~2 5×20(110V/1) 15A	2
	E23-010009	Fuse F4, F8~9 5×20(230V) 2A	3
	E23-010010	Fuse F4, F8~9 5×20(230V) 3A	3
	E23-010010	Fuse F5 5×20 3A	1
	E23-010034	Fuse F6~7 5×20(230V) 1A	2
	E23-010009	Fuse F6~7 5×20(110V) 2A	2
22	E23-080002	Fuse Holder Barrier FEM8S	1

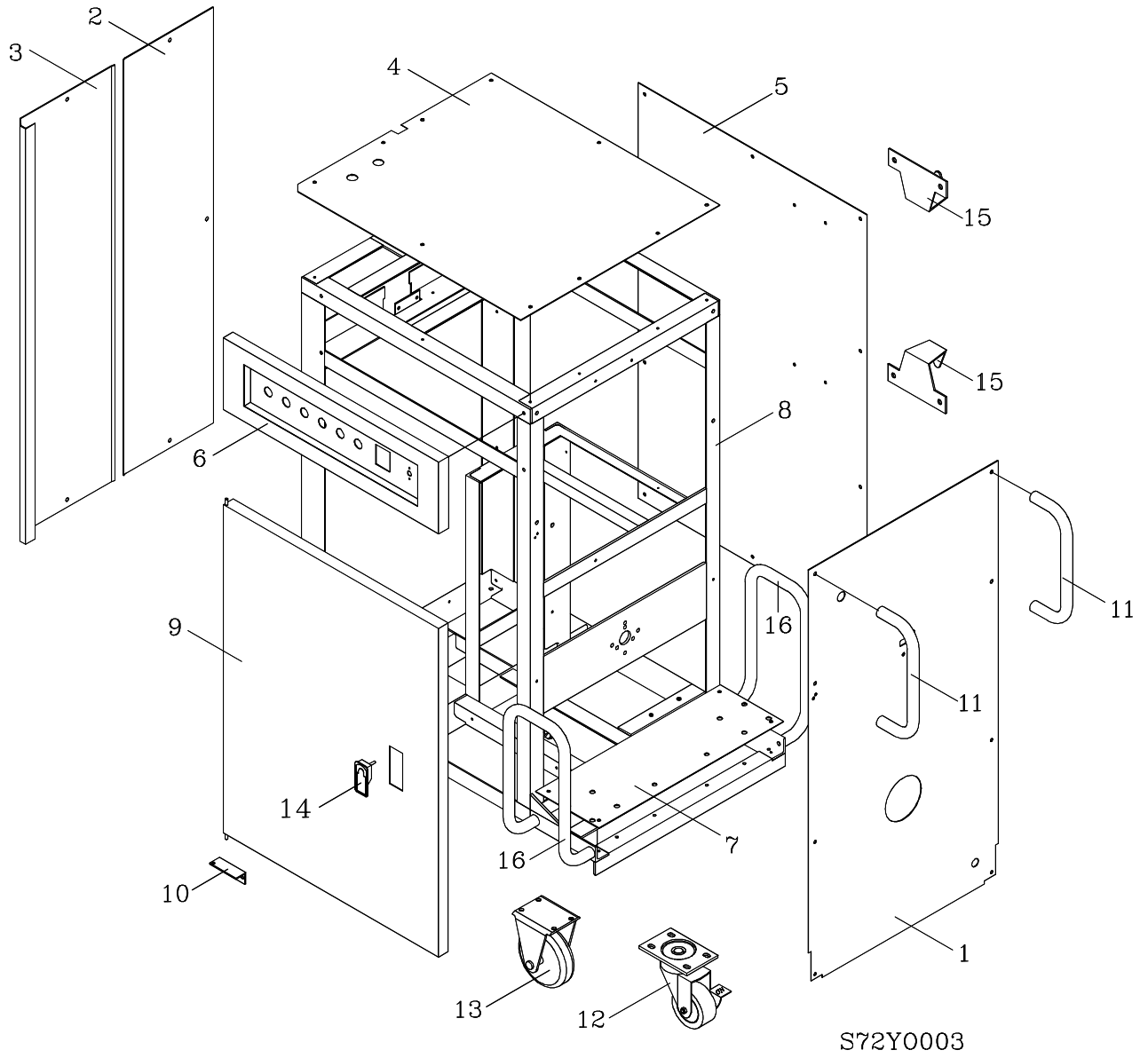
Control box



Body unit

No.	Part No.	Description	Qty
1	S30-310001-3	Rear Panel	1
2	S30-310002-3	Side Table Plate (L)	1
3	S30-310003-2	Side Table Plate (R)	1
4	S30-310004-3	Upper Plate	1
5	S30-310005-3	Side Panel (L)	1
6	S30-310250-2	Operation Box	1
7	S30-310006	Lower Plate	1
8	S30-310150-3	Angle Frame	1
9	S30-310550-2	Door	1
10	A11-300003	Door Holder	1
11	S30-310450	Armrests	2
12	S30-310007	Plastic Caster (Free)	2
13	S30-310008	Plastic Caster (Fixed)	2
14	S30-310009	Latch Handle	1
15	S30-310011-0	Cable Hook	2
16	S30-310350	Reel Guard	2

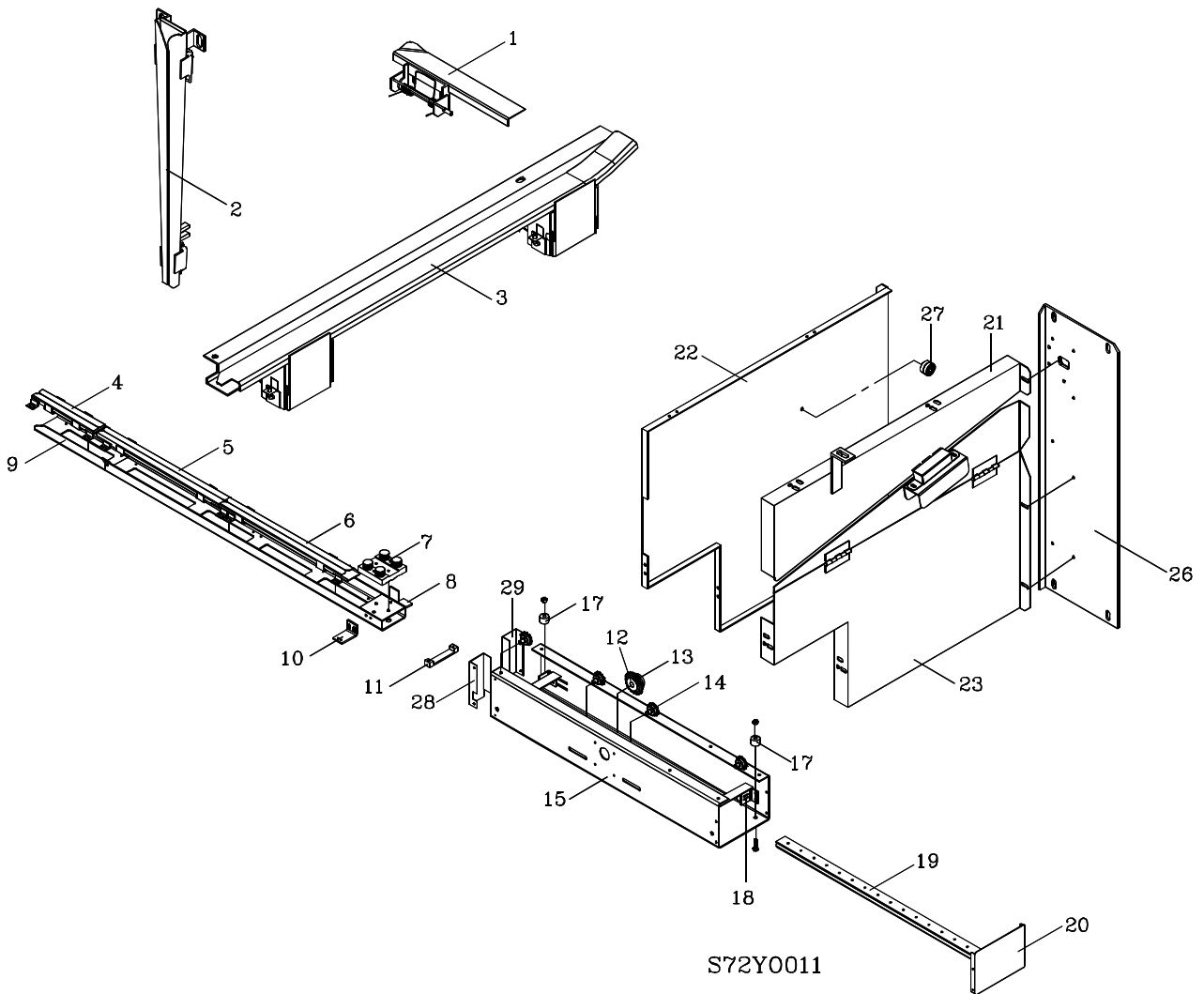
Body unit



Bandway/ Pool unit

No.	Part No.	Description	Qty
1	S30-712000	Feed unit (Upper)	1
2	S30-760000-CAA	RH Bandway Assembly (9mm)	1
	S30-760000-DAA	RH Bandway Assembly (12mm)	1
	S30-760000-EAA	RH Bandway Assembly (15mm)	1
3	S30-720000-2	LH Bandway Assembly	1
4	S30-421000	Front Bandway Assembly	1
5	A30-411000-2	Extend Bandway Assembly 400W	1
6	S30-422000	Rear Bandway Assembly	1
7	S30-420003-0	Slide Table Assembly	1
8	S30-420150-2	Bandway Frame Assembly	1
9	S30-420001	Bandway Frame (2)	1
10	S30-420002	Transmission Plate	1
11	S30-400004	Bandway Slide Plate	1
12	S30-400006	Chain Roller	1
13	S30-400002	Torque Limiter TL200-1	1
14	S30-423001	Gear Fixed Shaft	4
	S30-423002	Chain Roler	4
	X690000ZZ	Ball Bearing,6900ZZ	4
15	S30-410150	Bandway Fixed Base	1
17	D20-103012	Buffer	1
18	S30-400001	Proximity Switch Bracket	2
19	S30-400005	Slide Rail	1
20	S30-400003	Elasticity Bandway Cover	1
21	S30-501400-0	Pool Box (Upper)	1
22	S30-501600-0	Back Pool (Rear)	1
23	S30-510500-0	Pool Box (Rear)	1
26	S30-510150-2	Pool Unit Base	1
27	G04-210626	Ball Bearing,626ZZ	1
28	S30-400007	Bandway Cover (L)	1
29	S30-400008	Bandway Cover (R)	1

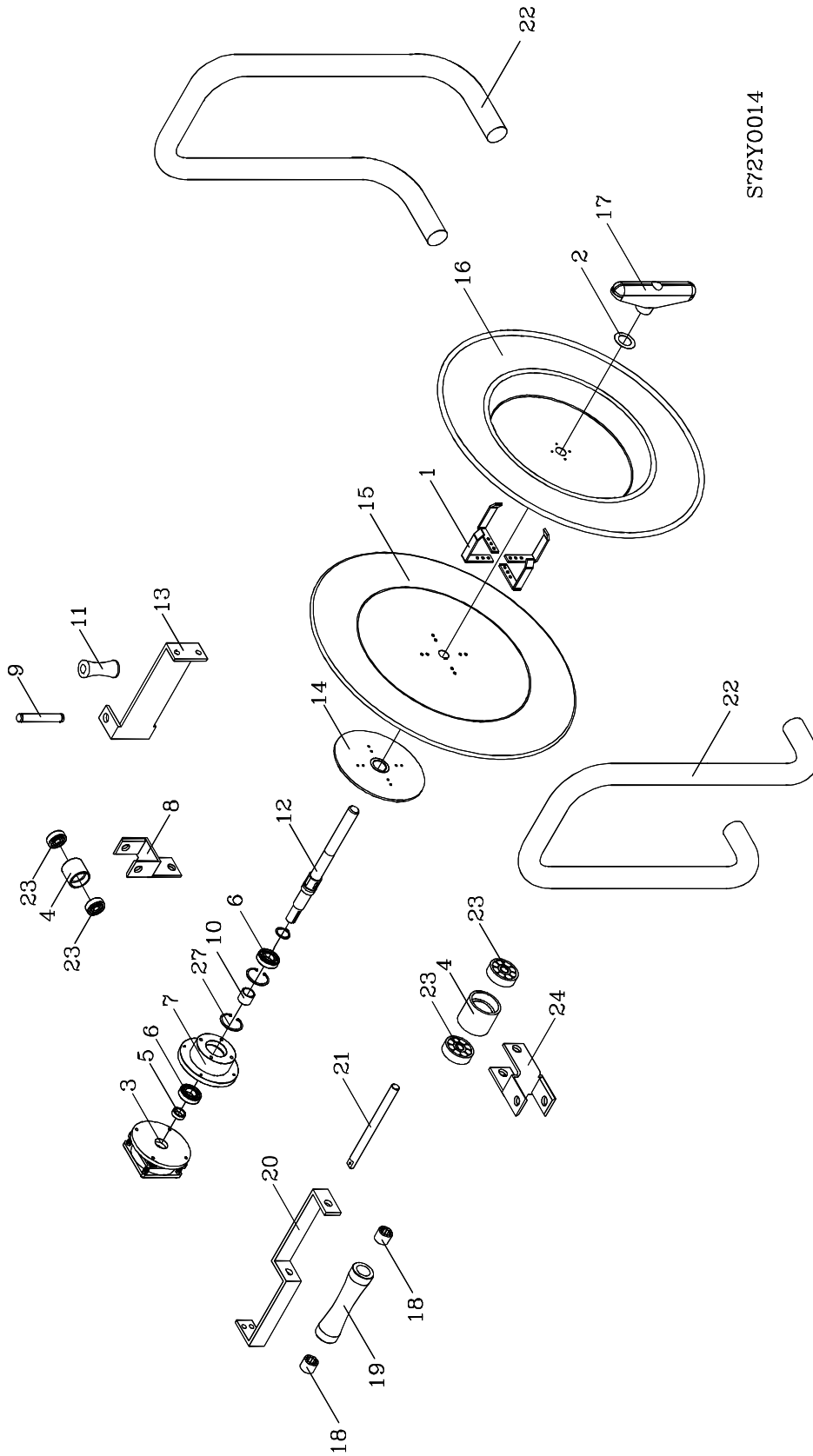
Bandway/ Pool unit



Reel unit

No.	Part No.	Description	Qty
1	A20-612002-120	Block For Reel ϕ 200mm/ ϕ 230mm	4
	A20-612002-128	Block For Reel ϕ 280mm	4
2	A20-610007	Washer	1
3	A20-621005	Brake BN-M15-SNC-201	1
4	A20-611003M	Roller With Bearing	1
5	SK12C748-0	Collar	1
6	SK40003	Ball Bearing ,NSK-R16V	2
7	SK6D882-0	Coil Bearing Block	1
8	A25-611002	Roller Bracket	1
9	S14-424003M	Roller Shaft (1)	1
10	SK12C749-0	Collar	1
11	S14-423002	Roller(1)	1
12	S30-610001	Reel Shaft	1
13	S30-730001	Band guard Frame(1)	1
14	A11-660150	Reel Unit Base	1
15	A20-612001	Reel In Circular	1
16	A20-610003-120	Reel Out Circular	1
17	A20-610001	Reel Nut Handle	1
18	G10-091212	Needle Bearing,TA912	2
19	S30-740003	Roller (2)	1
20	S30-740004	Band guard Frame (4)	1
21	S30-740002	Rroller Shaft (2)	1
22	S30-310350	Reel guard	2
23	G04-210626	Ball Bearing,626ZZ	2
24	A20-611002	Roller Bracket SUS430	1
25	S14-423002	Roller	1
26	S13-423001	Roller Shaft	1
27	SK60191	Stop Ring	2

Reel unit

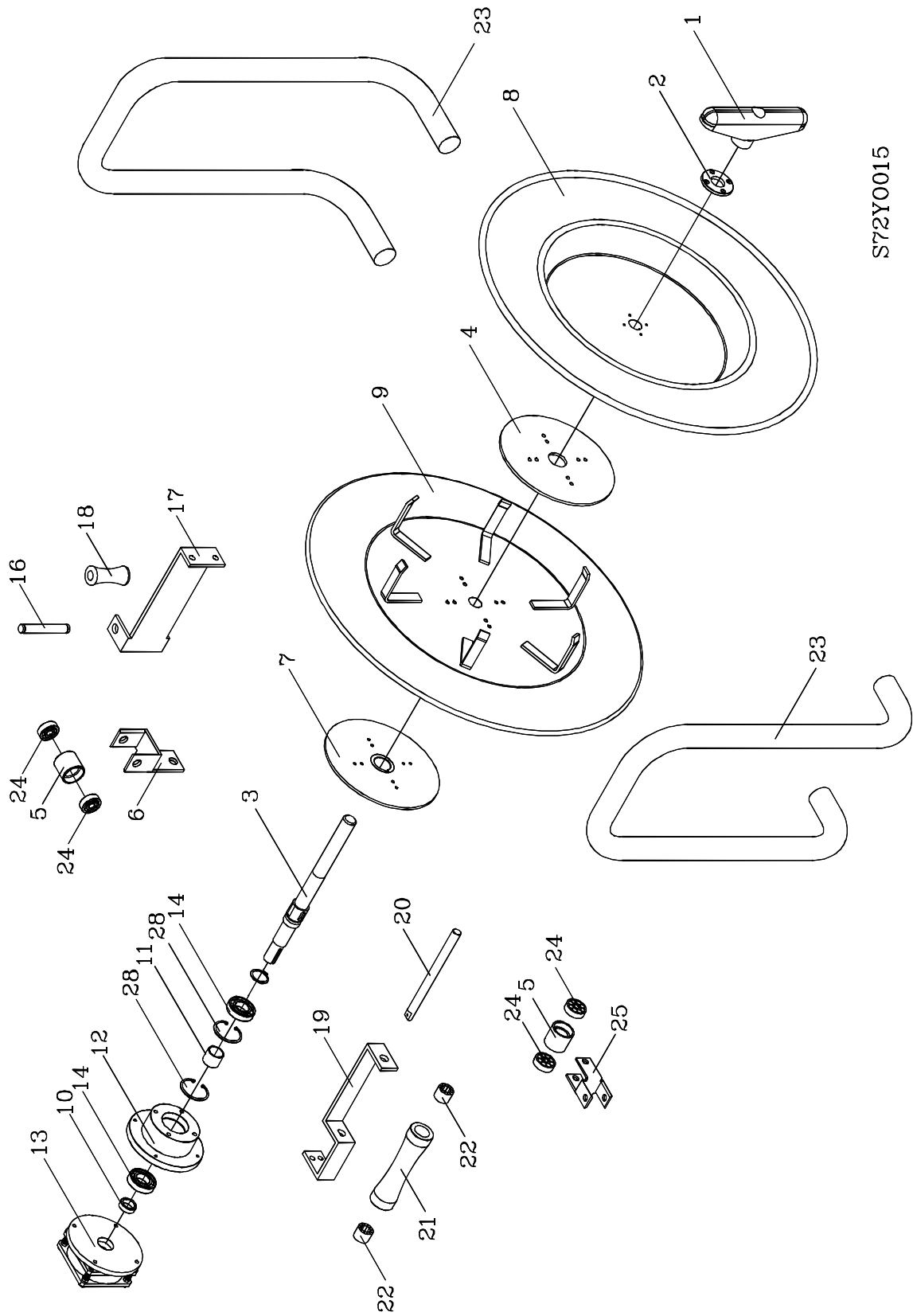


S72Y0014

Reel unit

No.	Part No.	Description	Qty
1	A20-610001	Reel Nut Handle	1
2	A11-610007	Protector	1
3	S30-610001	Reel Shaft	1
4	A11-660002	Reel Fixing Plate(2)	1
5	A20-611003M	Roller With Bearing	1
6	A25-611002	Roller Bracket	1
7	A11-660150	Reel Unit Base	1
8	A20-610003-140	Reel Out Circular ϕ 400mm	1
9	A20-612050-140	Reel In Circular ϕ 400mm	1
10	SK12C748-0	Collar	1
11	SK12C749-0	Collar	1
12	SK6D882-0	Coil Bearing Block	1
13	A20-621005	Brake	1
14	SK40003	Ball Bearing	2
16	S14-424003M	Roller Shaft (1)	1
17	S30-730001-2	Band guard Frame (1)	1
18	S14-423002	Roller (1)	1
19	S30-740001	Band Guard Frame (2)	1
20	S30-740002	Roller Shaft (2)	1
21	S30-740003	Roller (2)	1
22	G10-091212	Needle Bearing,TA912	2
23	S30-310350	Reel Guard	2
24	G04-210626	Ball Bearing ,626ZZ	2
25	A20-611002	Roller Bracket SUS430	1
26	S14-423002	Roller	1
27	S13-423001	Roller Shaft	1
28	SK60191	Stop Ring	2

Reel unit

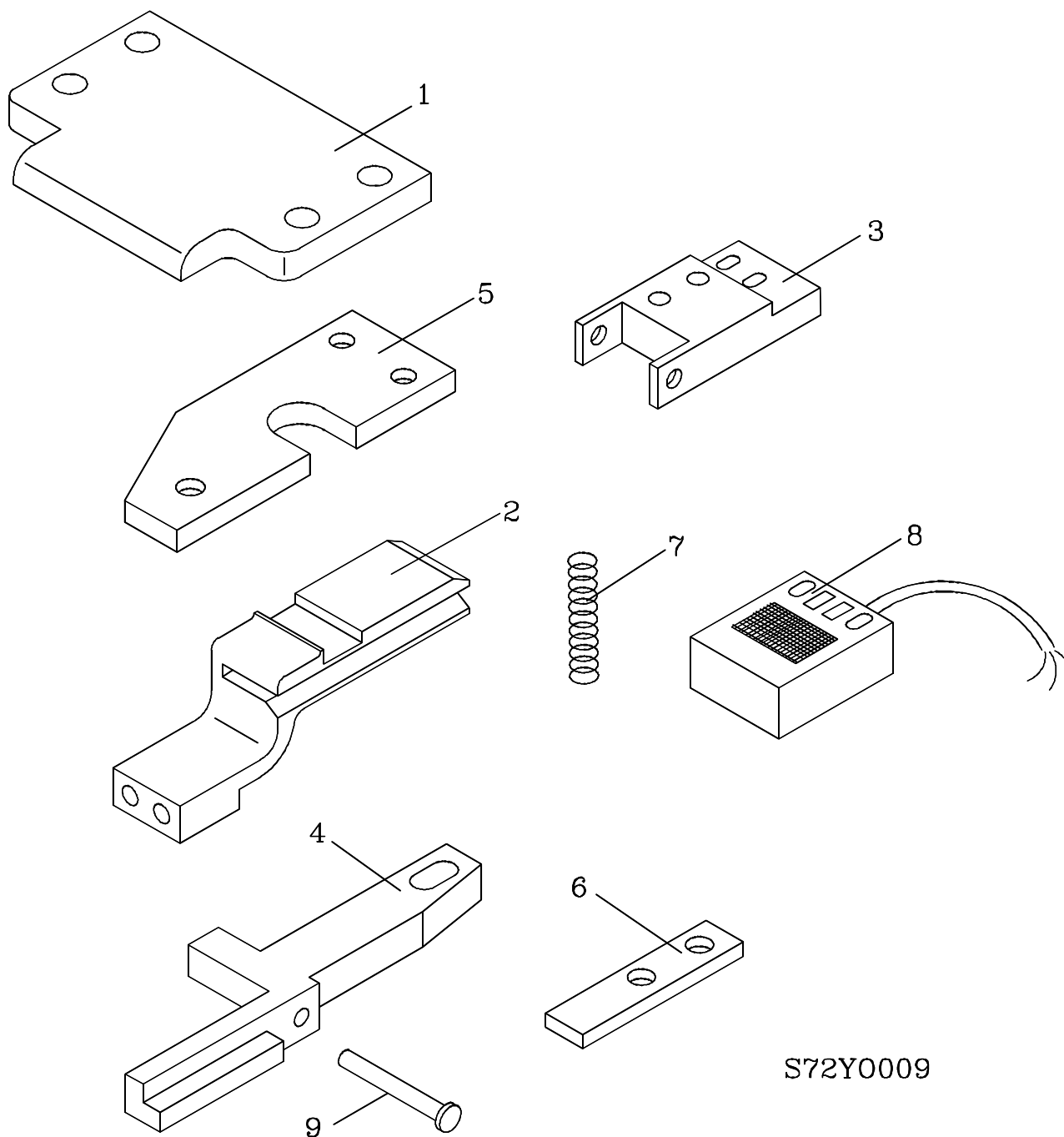


S72Y0015

Short feeding system with alarm

No.	Part No.	Description	Qty
1	A20-120003R1-AAA	Slide Table (Upper) (12mm)	1
	A20-120003R1-GAA	Slide Table (Upper) (9mm)	1
	A20-120003R1-IAA	Slide Table (Upper) (15.5mm)	1
2	A20-120007AAA	Slide Table (Lower)	1
3	A20-230001	Proximity Switch Base	1
4	A20-230002-3	Activating Plate for Proximity Switch	1
5	A20-230003	Side Plate for Proximity Switch	1
6	A20-230004	Bracket	1
7	A20-230005-1	Compression Spring	1
8	E07-090003	Proximity Switch TLQ5MC2 12V TO 24VDC	1
9	A20-230006	Pin $\phi 3 \times 24$	1

Short feeding system with alarm



S72Y0009

