



DELUXE

OPERATIONAL

MANUAL

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INTRODUCTION

Congratulations on the purchase of the AUTOMAT Mat Cleaner.

The AUTOMAT will clean most all floor mats supplied by auto makers and in the aftermarket. In addition to washing and drying, the AUTOMAT shampoos as well as “dry-brushes”.

This manual is provided to give you easy instructions to follow for installing and operating the AUTOMAT.

Please, read the entire manual carefully before operating the machine.

If you have any questions or problems which can't be solved by reading this manual, please contact our customer information center.

IMPORTANT NOTES

- This machine is designed to use either 115Volt/ 60HZ or 220 Volt/50/60HZ single phase electricity. Please do not plug in the power cord to any other source than specified, or you will void the limited warranty.
- If you plan to use a different electric source other than specified above, please contact the factory before ordering.
- To prevent freezing during winter months, follow the procedures recommended in the manual. Doing otherwise can also void the warranty.
- Do not allow small children to operate the machine.
- Do not insert hands or fingers into the mat feeder.
- Do not insert objects such as towels or damaged mats into the feeder.
- It is not recommended to insert unusual mat types such as mats with metal studs on them, or any other bulky type of mat.

1. Specifications

- 1) Electric requirement (1/2 HP motor) :
220V, Single phase, 50 Hz/ 60Hz
115V, Single phase, 60Hz / 20 AMP Outlet for Power Supply
- 2) Heating temperature: 700 W
- 3) Steel material: 1.2 T ~ 2/5 T SUS
- 4) Weight: 330 lbs.
- 5) Dimension: 21" x 39" x 47" (W x L x H)
(Packing size: 30" x 44" x 54" (W x L x H))

2. Installation

After uncrating the machine, be sure that all items are included with the machine as follows:

- Main body
- Mat sliding rack
- Anti-freezing device

A few points to remember when you install:

- Location of where you are going to place it.
- Availability of utility access to the machine.
- Security concerns if you leave the machine outside.

3. Connection

After you place the machine check the balance because vibration may cause the machine to move.

1. Connect the main water line to the machine, check for any leaks and set the water pressure using the water control valve (No. 223 in drawing 2)
2. Plug the electric cord into the main power supply, checking the electric power.
3. Place the drain hose where you want the waste water to drain. You can hard plumb with PVC if desired.
4. DO NOT TURN ON WATER OR ELECTRIC POWER. Please check all connections, check water line, power line for safety issues.

4. Starting the machine.

- 1) Turn on the main power
- 2) Push “ON” button and pull up “Handle lever” to operate the machine.



*** Optional: Coin device**

Set the washing time (from 0 – 6 minutes) and push “Push button (start button)” (NO. 208) to start.

- 3) Insert the mat into the mat feeder slowly; release both hands once the mat is taken by the machine. Never put your fingers or hands in the mat feeder! Make sure the mat is placed in the “Dirty side down position.”
- 4) Follow the same procedures for the remaining mats.
Never leave the machine operating to protect the motor from overheating and burning.
- 5) Press “OFF”, when not using.



Heating System

Daily maintenance during the winter or under freezing conditions. Basically, there is no need to take care of the machine as long as the machine is used frequently during the day, because of the unique anti-freezing device. Heating coils and heating pads equipped inside of the machine will protect the machine from freezing or malfunctioning.

How to Run Heater

Part No. 324. ON/OFF rotary switch (for heater)

Turn to "ON" position: Heater system is operating.

Turn to "OFF" position: Heater system is off.

Note: In the winter season, heater switch has to be turned on during 24 hours.

Time is set to 2 minutes and 30 seconds and alarm to 30 seconds before stopping the machine.

Anti frost is needed to keep warm.

- 1) Set the ON/OFF lever to "ON" position. Set the water control lever to "ON" position by using toggle switch.
- 2) Turn "OFF" the main water supply
- 3) Disconnect the water hose from the machine.
- 4) Do not turn "OFF" the main electric power which will keep the machine warm and protect it from freezing under below zero temperatures.
- 5) When the water squeezing sponge rollers get frozen be sure to pour warm water on them until they soften before operating or they will tear.

5. Precaution

A regular check up and maintenance schedule will extend the life of the machine and enhance the performance.

- a. When inserting mat, put in the dirty side down.
- b. No more than a 24" wide mat allowed.
- c. Do not insert folded mats.
- d. Do not insert towels, cushions, cloths, heavily damage mats, or extremely thin mats.
- e. Clean the tray regularly of sand, soil and any debris and dirt buildups.
- f. Clean scrub brush once a week by releasing fixed bolt (No. 110) and steel roller (No. 113)
- g. Check the tension of belts and adjust as needed.
- h. Please do not insert mat in to the feeder when the buzzer is on. (In case of coin system.)

It is designed to provide an alarm 30 seconds before machine will stop. (Time is set for 2 minutes and 30 seconds, if the alarm sounds you can start by pushing "Start" button.) If a mat gets stuck it must be removed manually.

6. WARRANTY

One year limited warranty on main frames, motor, chain, coin-operation system, main body, heating systems, nozzles, scrub brush, unless these items are damaged through user neglect.

Remaining parts will be 30 days after we dispatch.

For defective parts returned for the purpose of repair/replacement under the warranty, they must be dispatch freight prepaid with an RMA # and we will dispatch them back freight prepaid after repair or replacement.

Please see the attached 1 year limited warranty policy and certificate.

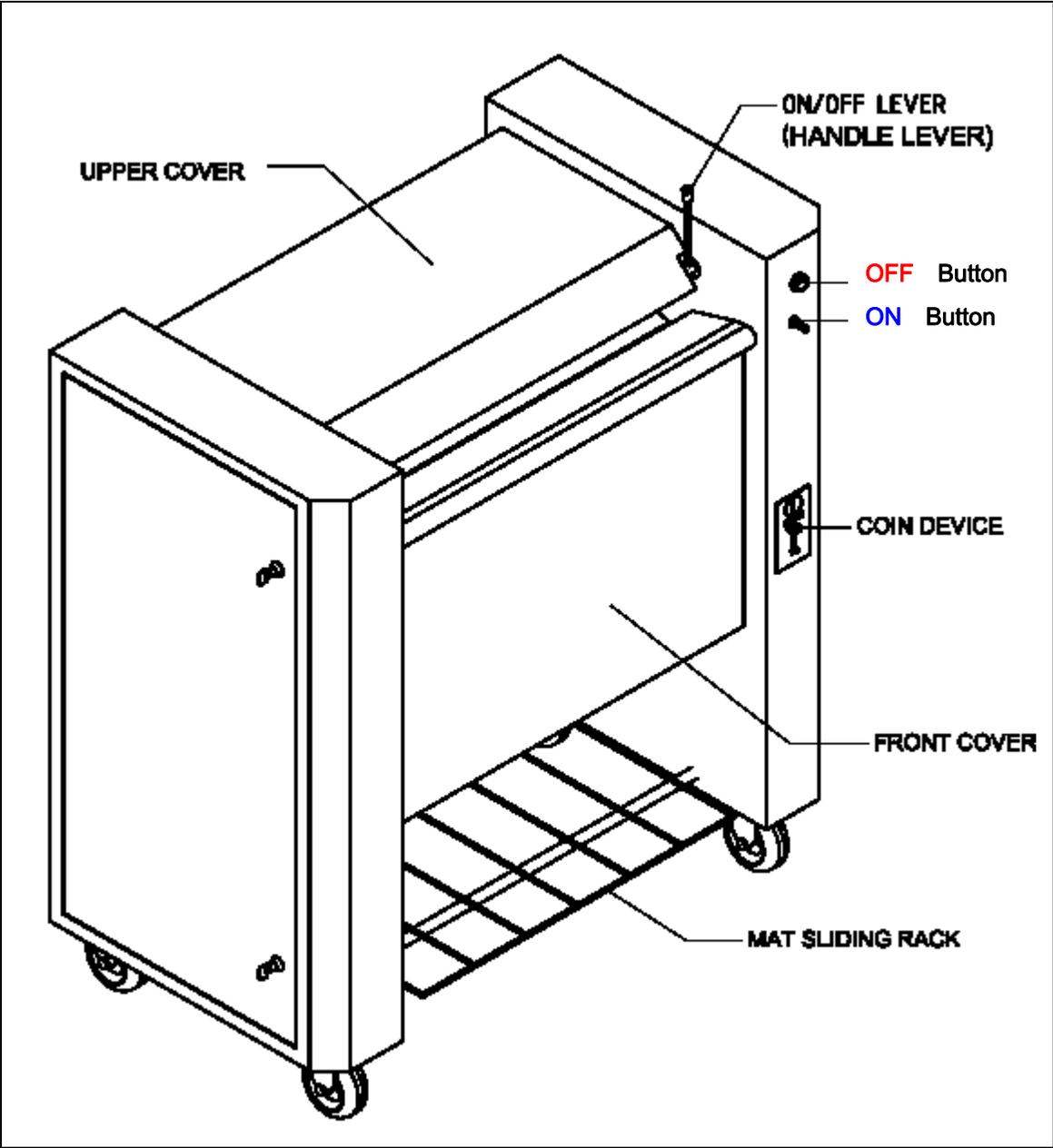
7. Trouble shooting

No.	Problem	Trouble shooting
1	Not operating	1. Check the main power line & breaker connection (E18) 2. Check the timer in electric panel (No. 124) – Replace it. (Continues to operate) 3. Check the condition of Limit switch (No. 126) – If it is not pressed by crank (No. 133), motor will not function. 4. Check the condition of V-belt, if necessary, replace it.
2	Handle lever will not move.	1. Check the sponge rollers. If they are hard or frozen, they will not engage. Open upper cover (No.209) and pour warm water on the sponge roller to soften it. 2. Check the heating switch (No.208) “ON” during winter season.
3	Mat not feeding	1. Check the Shock-absorbing Spring (No. 125) – If necessary, replace it. 2. Check V-belt condition – If necessary, replace it.
4	No water	1. Check solenoid valve (No. 224) 2. Check the toggle switch in “Wet” position.
5	Not cleaning properly	1. Check beating brush roller, if necessary, replace it. 2. Check around the brush roller and clean brush and area. 3. Check the condition of sponge roller, if necessary, replace them.
6	Mat stuck inside machine	1. Turn off the machine immediately by pulling down ON/OFF lever. Open the top cover and unscrew bolt (No.110) and steel roller (No.113) and then turn pulley (No.105) to the right and take out mat. - Open the top of the front panel and pull out the tangled mat slowly removing any debris inside. -Turn on the machine and check for proper operation.

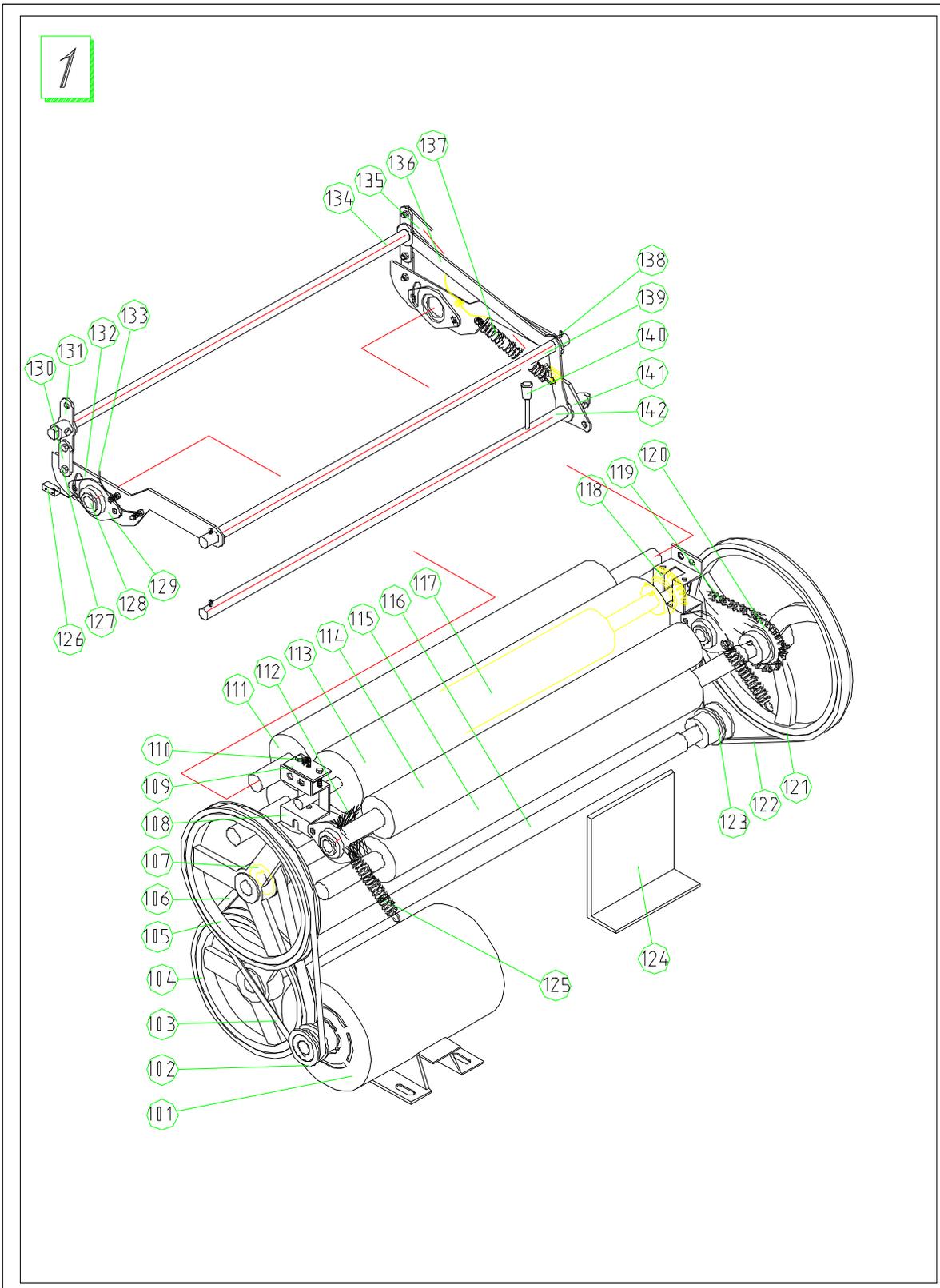
NOTE: ALWAYS UNPLUG POWER LINE BEFORE WORKING ON MACHINE.

8. Part list and Diagram For Coin-Operated AUTOMAT

* Front view



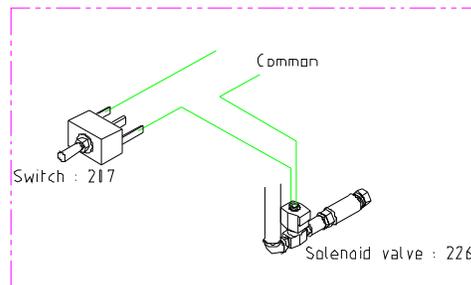
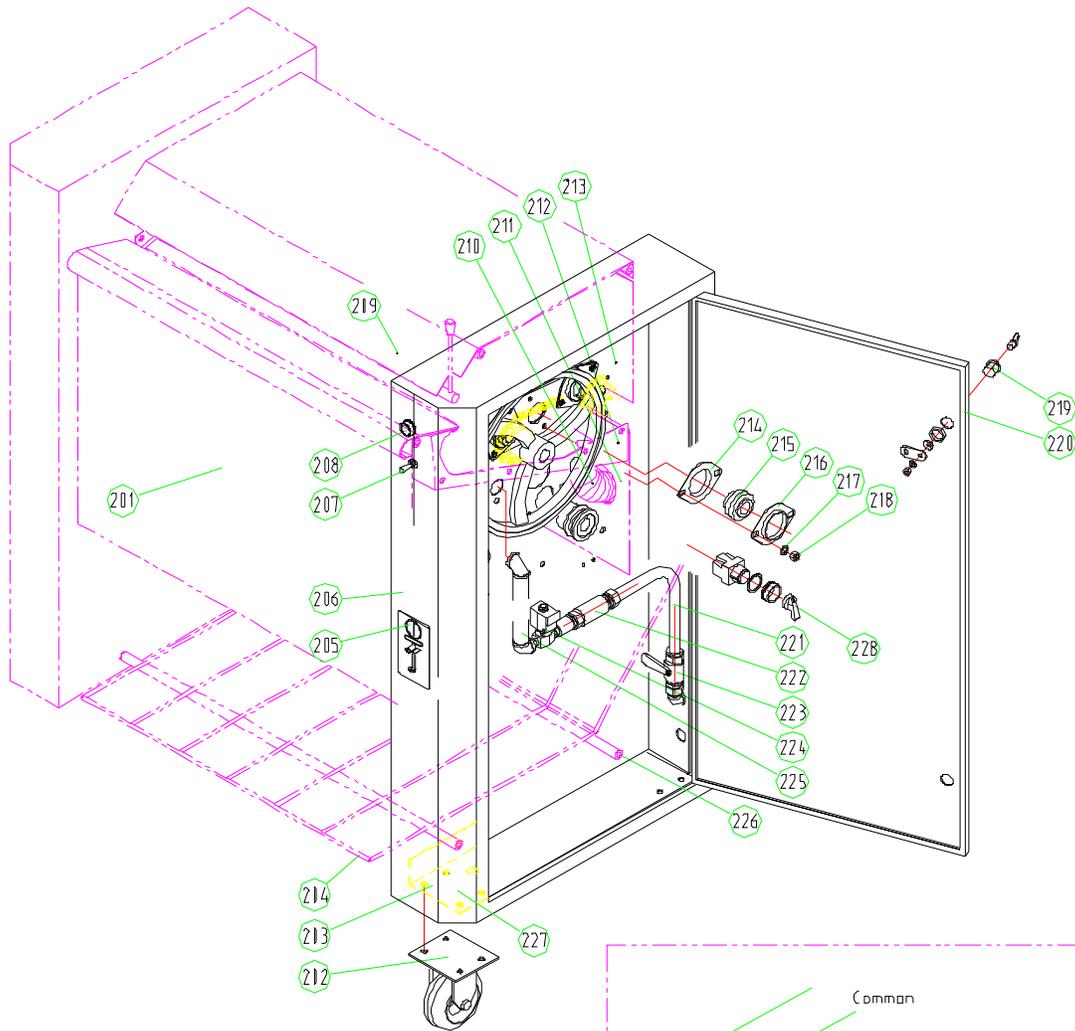
Drawing 1. Motor and Roller parts



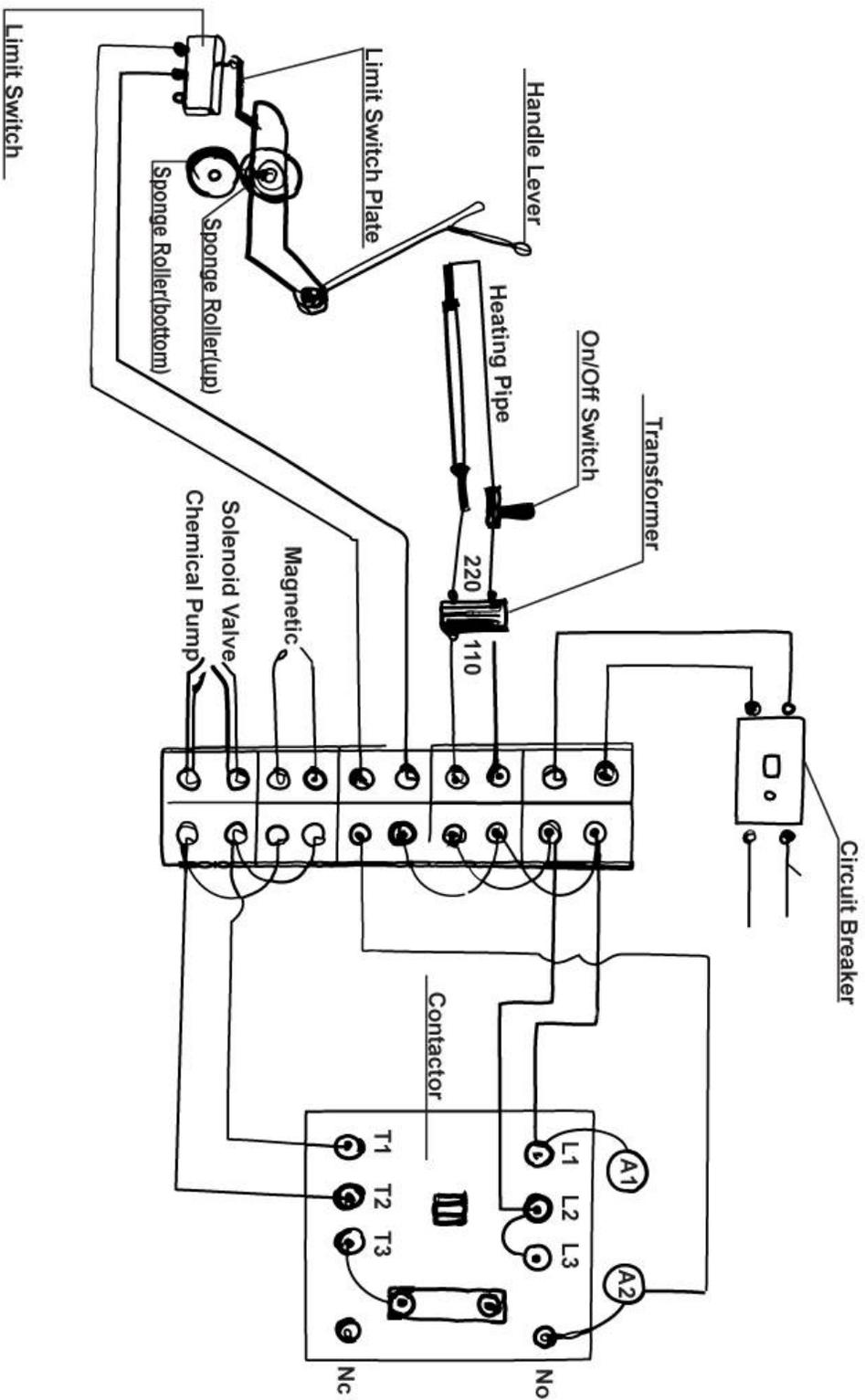
Part no.	Name	Part no.	Name
101	1/2 HP drive motor	122	38" V-belt
102	2" Pulley (19 ø)	123	2" Pulley (20 ø)
103	36" V-belt	124	Electric control panel
104	9" Pulley	125	Shock-absorbing Spring
105	9 Pulley	126	Limit switch
106	32" V-belt	127	Strong bolt (8 mm)
107	2" Pulley (20 ø)	128	6203Z bearing
108	Bracket	129	Be case
109	Bracket cover	130	Connecting link
110	Fixing bolt (6 m/m)	131	Connecting link
111	Sponge (Up / Low)	132	Position hole for Bearing
112	Brush roller	133	Crank
113	Steel roller (90 ø)	134	Shaft (15 ø)
114	Steel roller (60 ø)	135	Leverage
115	Rubber roller	136	Reinforcement per each shaft
116	Chain sprocket shaft	137	Shock-absorbing Spring
117	Roller shaft (90 ø)	138	Dividing pin (3.0 ø)
118	#40-12Tchain sprocket	139	Shaft
119	#40-16Tchain sprocket	140	Handle lever
120	#40- chain	141	Handle grab link
121	11" pulley		

Drawing 2. Side panel

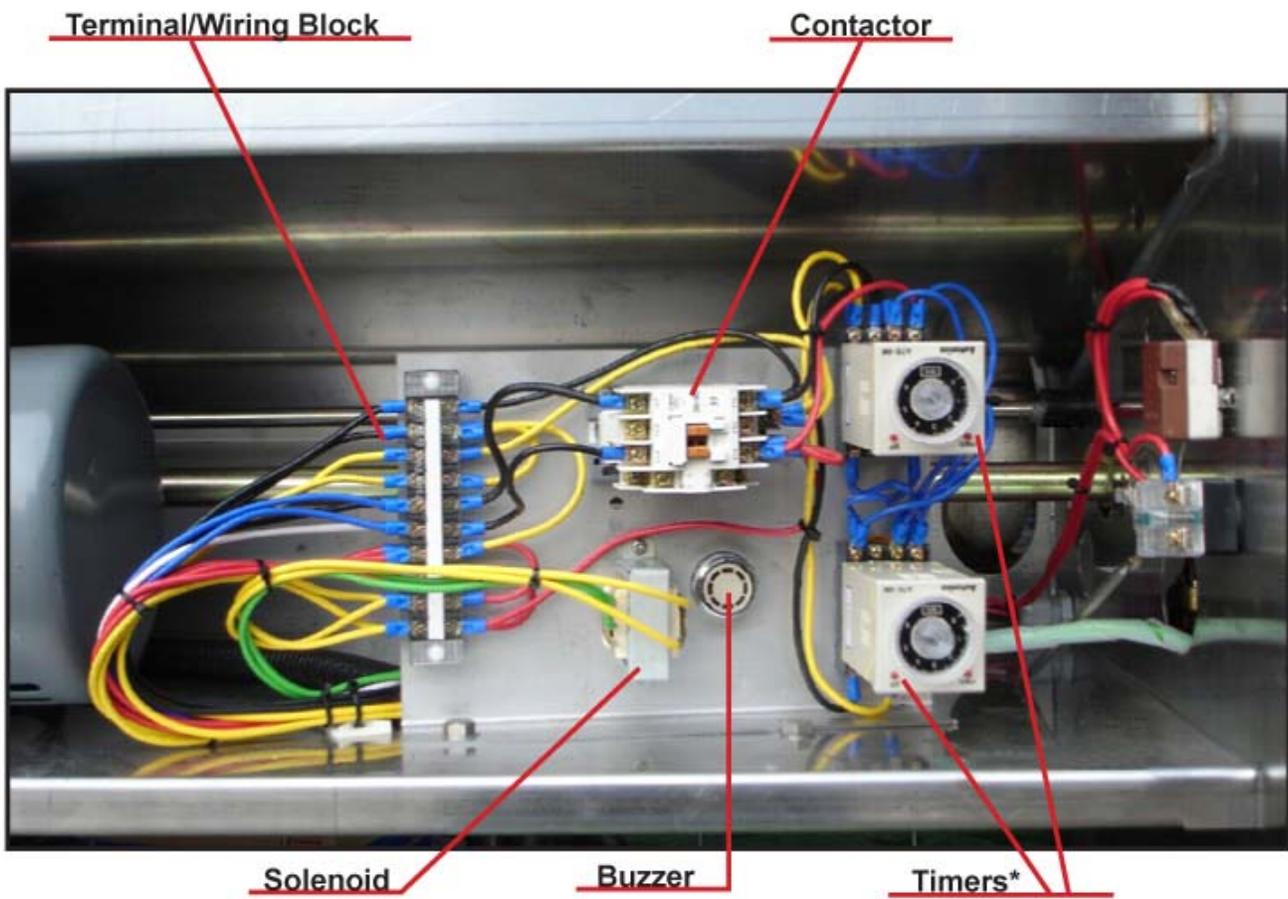
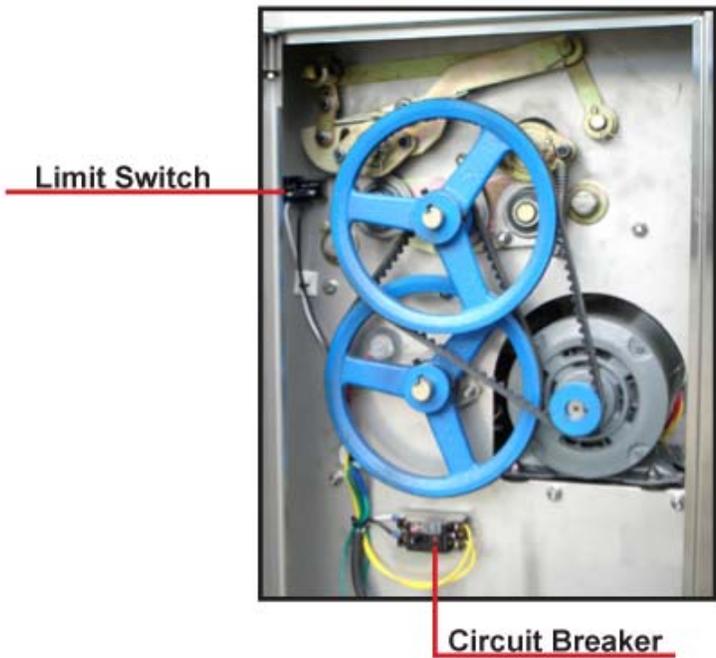
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Part no.	Name	Part no.	Name
201	Front cover	217	Washer (8 ø)
202	Rotating wheel	218	Nut (8 ø)
203	Fixing position for wheel	219	Locker
204	Mat sliding rack	220	Right door
205	Coin device	221	Water supply line
206	Main body frame	222	Socket (Including strainer)
207	Toggle switch	223	Water flow control valve
208	Push button(start button)	224	Solenoid valve
209	Upper cover	225	Water supply pipe
210	Drain	226	Mat sliding rack
211	Lower cover	227	Reinforcement plate for main frame
212	Water sprout	228	
213	Rear cover	229	
214	Reinforcement case for FL Bearing case	230	
215	UC 204 Bearing	231	
216	PFL 204 case	301	Left door



AUTOMAT Schematic



* Coin-Operated AUTOMAT Pictured here. Full Service AUTOMAT has only one timer.