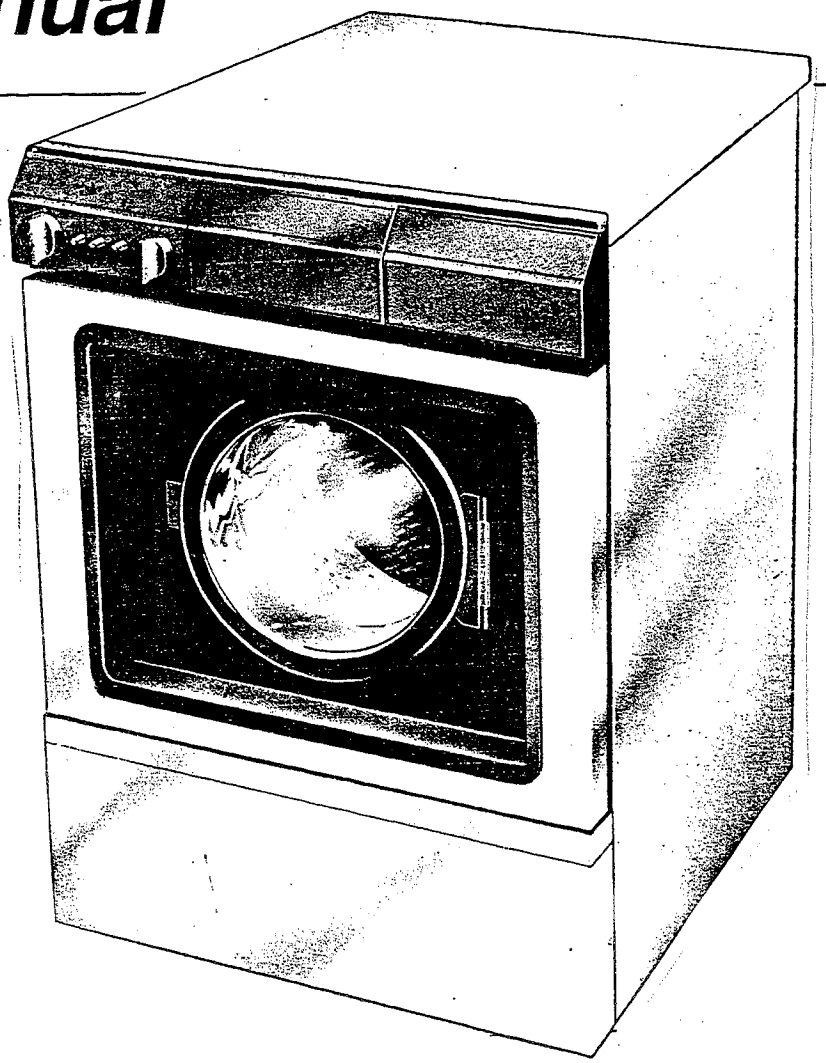
Installation maintenance and operating instructions manual



Wascoclean/ Extract-o-Matic P-12

Manufactured by: ASKO CYLINDA AB, Vara, Sweden

Contents

Notice to Owners, Operators and Dealers of Wascoclean P12 Machines

Improper and inadequate maintenance, poor machinery housekeeping and wilful neglect or bypassing of safety devices may result in serious accidents.

To assure the safety of customers and/or operators of your machine, the following maintenance check MUST be performed on a DAILY basis.

1. *Prior to operation of the machine,* check to make certain that all warning signs are present and legible. (See the inside rear cover of this manual for details and location of the signs.) Missing or illegible ones *must be replaced immediately.*Be sure you have spares available at all times. These can be obtained from your dealer or Wascoclean.
2. *Check the door safety interlock, as follows:*
   a. Open the door of the machine and attempt to start it in the normal manner. The machine must not start.
   b.Close the door to start machine operation and while it is operating, attempt to open the door by pressing the pushbutton or pulling on the door handle. The door must remain locked.
   c. Immediately after the cycle has been completed, attempt to open the door. It must remain locked until all movement of the cylinder stops and the red pilot light goes off.

If the P12 can be started with the door open or can have the door opened while continuing to operate then **the machine must immediately be placed out-of-order** and the door safety interlock repaired or replaced. Refer to the door safety Interlock section of this manual.

Do not, under any circumstances, attempt to bypass any machine safety devices as **this can result in serious accidents.**

3.*Be sure to keep all machines in proper working order:* Follow ALL maintenance and safety procedures. Further information regarding machine safety , service and parts can be obtained from your dealer or from Wascoclean Tele-Tech ®Service (516) 371-0700.

All requests for assistance must include the serial number and electrical characteristics as they appear on the machine data plate. Insert this information in the space provided on the back cover of the manual.

Introduction

The Extract-O-Matic P12 washer/extractor has been developed to cover the requirements of apartment house and coin-operated laundries, hotels, motels, restaurants and all on-premises laundries where high-quality automatic washing featuring high speed extraction, ease of installation and space-saving are critical.

The Extract-O-Matic P12 offers four pre-set wash programs which can be selected by means of a rotary switch: Hot, Warm, Permanent Press and Cold. These machines are designed for connection to hot and cold water supplies and are available with or without a coin meter.

All parts of the machine which come into contact with the items being washed are made of heavy gauge surgical stainless steel, ensuring long life and lasting beauty, as well as full protection for no-iron fabrics. Most electrical components are accessible for servicing by simply removing the top panel.

This manual contains instructions for the installation, operation and maintenance of Extract-O-Matic P-12 machines and should be kept in a safe place for easy reference. When ordering spare parts, always give the machine serial number and the electrical characteristics as they appear on the data plate at the rear of the machine.

Technical Data*

Capacity		Up to 10 lbs.	Up to 4.3 kg.
Overall Dimensions	Width	23 7/16 inches	595 mm
	Depth	23 7/16 inches	595 mm
	Height	32 5/16 inches	820 mm
	Weight	192 lbs	87 kg.
Crated Dimensions	Volume	12.9 cu. ft	0.37 m^3
	Weight	200 lbs.	90.5 kg.
Cylinder Dimensions	Diameter	16 5/8	423 mm
	Depth	12 3/16	310 mm
	Volume	1.55 cu.ft	.044 m^3
Cylinder Speed	Wash	52 r.p.m.	
	Extraction	800-1000 r.p.m.	
G-Factor	At Extraction	152-236	
Voltage		120 V 1-phase 60 Hz	
Rated Output	Wash motor	.08 HP - 60 W	
Power	Extract Motor	.33 HP - 250 W	
Overcurrent Protection		15 Amp. Max. (Consult Local Code for special requirements)	
Recommended Water Pressure	30-50 psi		
Water Connections	Inlet	3/4"	19 mm
	Drain	2"	50 mm

* Subject to change without notice.

Warning: Do not operate machine(s) with safety devices bypassed or inoperative. Do not open machine door until drum has stopped rotating and the pilot light is off.

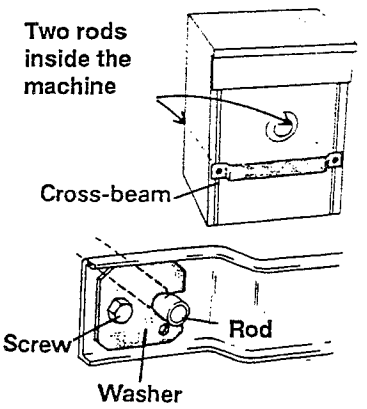
Installation Instructions

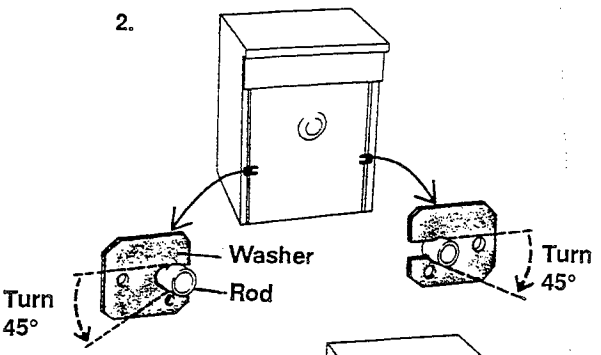
Removing the shipping securities

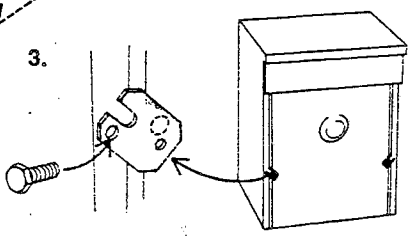
These consist of two rods which prevent the tub from moving around inside the machine during shipping and are secured to a cross-beam at the back of the machine. Remove the securities as follows:

1. Remove the screws and special washers which retain the beam and remove the beam.
2. Replace the washers on the flattened part of the rods and use them as tools to turn the rods through about 45°, as shown in the illustration and to pull them out.
3. Continue to turn the washers so that they cover the holes where the rods were removed. Reinsert and tighten tthe screws.

Save the rods and cross beam which will be needed if the machine has to be shipped elsewhere.







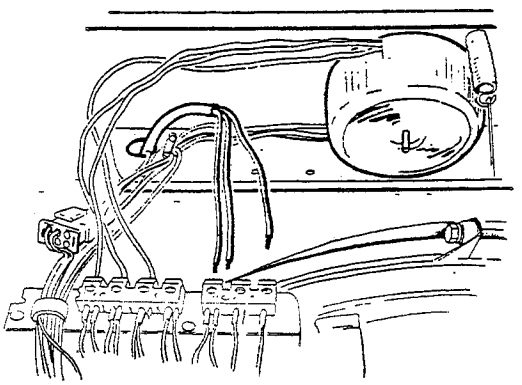
Space requirements

The machine can be installed beneath a 35 inch high worktop or rack.
There must be at least a 3/16-inch open space around the machine, also between the rear edge of the top panel and the wall behind it. Important: if no space is left, the machine may hit the wall when it starts to extract.

Electrical Connection

Connect 1-phase, 115V AC power to the machine where shown in the figure , in accordance with the markings on the terminal block. Minimum service required is 10 amps. Recommended circuit- breaker for each machine is 15 amps.

Consult local electrical code for special **requirements.**



Water and Drain Connections

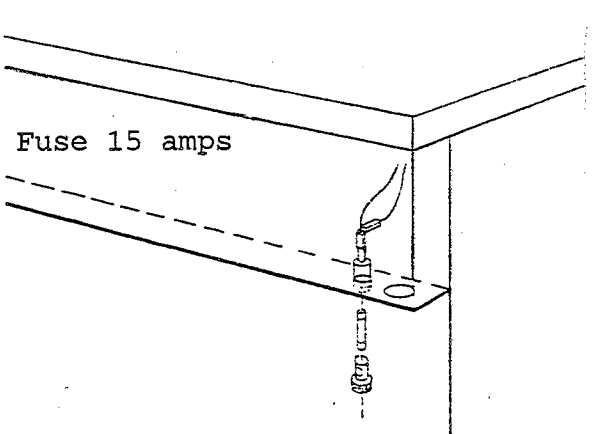
a. Connect hot and cold water supplies to the 3/4" connections at the rear of the machine. Shut-off valves must be provided for each one. Flush out all inlet hoses before connecting them to the machine to prevent blockage of the inlet valves and hose filters.

b. Connect a flexible drain hose to the 2"OD drain connection at the rear, making sure there are no sharp bends.

Add here attached material.

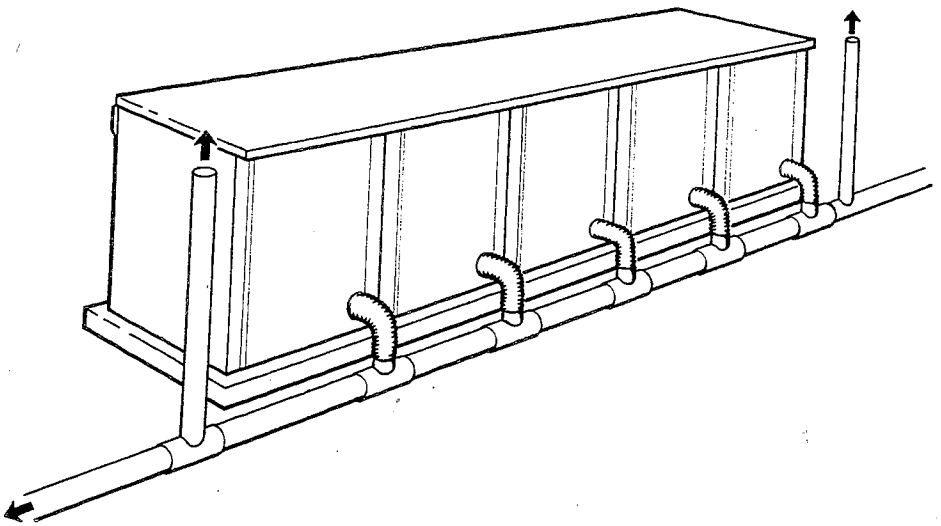
Note:

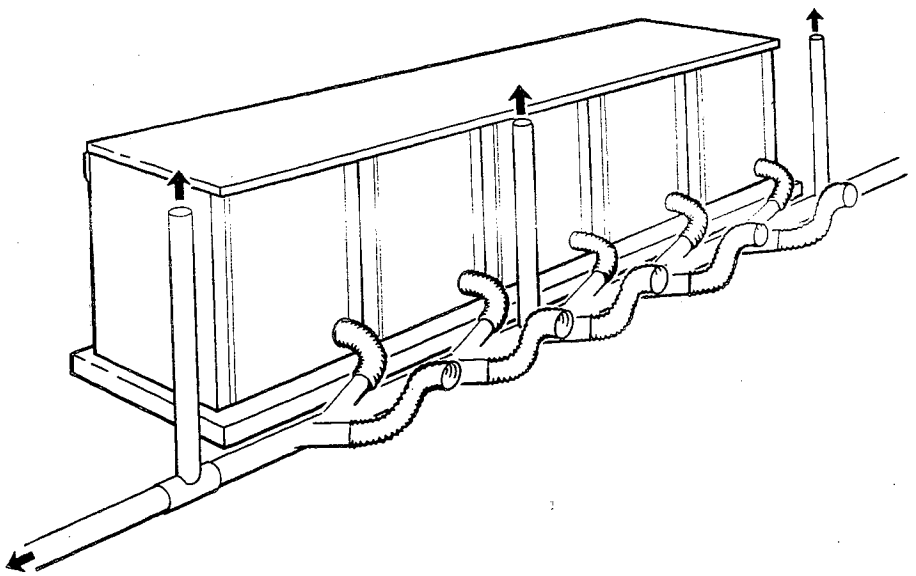
Occasionally some residual water will be found in the machine during installation. This is due to factory testing of all machines for complete quality assurance.



Drain connections

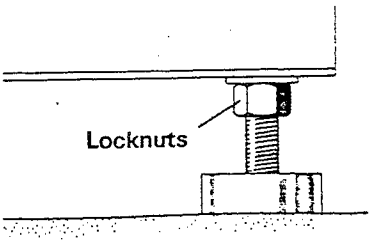
It is absolutely imperative that in installations where the P12 washers do not drain into an open trough, but instead drain into a common drain line with other P12 machines, the drain connections must be staggered with an air venting outlet provided after every fourth or fifth machine to prevent a suds lock (see figures below). The main drain line itself must be at least 4" in diameter with proper pitch so waste water flows downhill, and the hoses connecting the machines to the drain must be free of bends and kinks. Two machines must not be connected to a double or common "T" or "Y" drain connection.





Adjusting the feet

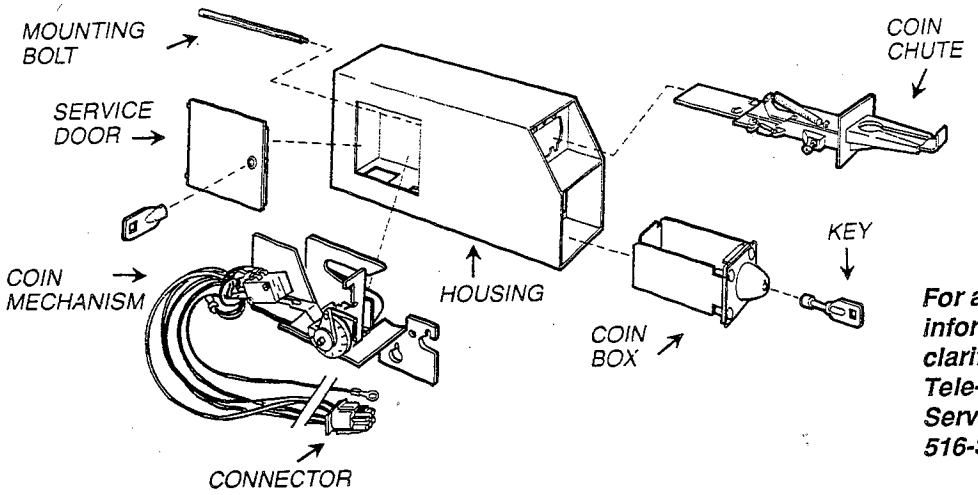
It is important that the machine does not move around during extraction. This means that it must be standing firmly and level on the floor. The four feet are individually adjustable. Set them carefully so that the machine is standing level, and tighten the locknuts securely.



If machine is not already equipped with a coin meter, then do the following:

Mounting Coin Meter

Attach the coin box to the top panel before placing the top panel back on the machine, as follows:



For additional information or clarification call Tele-tech™ Service: 516-317-4400

Instructions:

a. Place the housing, with the gasket under it, on the top panel. Insert the four bolts from below and attach with the washers and lock washers.

b. Replace the top panel on the machine and bring the coin mechanism connector from the machine up through the large hole with the grommet in the housing.

c. Place the large washer and nut over the bolt coming up from the machine cross- brace and tighten down.

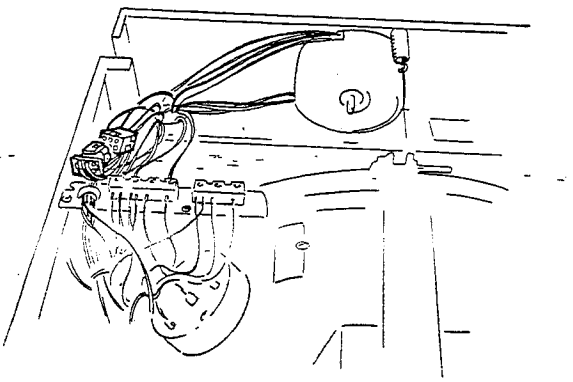
d. Connect the coin chute to the housing using the long bolt.

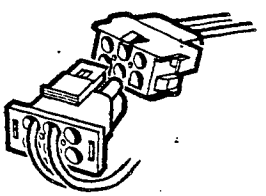
e. Mount the coin mechanism with the two screws provided.

f. Connect the connector plug from the coin me chanism to the connector from the machine.

g. Insert the coin box with key.

h. Place the service door over the opening in the housing and lock with key.





Initial Start-up

Start the machine by inserting the proper number of coins in the coin-meter chute and pushing the slide in (or, if machine is manually operated, by depressing the On/Off Switch and the Start Switch.)

If the machine fails to start and **the pilot light is off:**

a. Check that the door is locked.
b. Check power to the machine. Make sure the voltage is correct.
c. Check the circuit-breaker on wall.Check the glass fuse at the rear of machine. Replace the fuse if necessary.
d. Check the door lock microswitch as per instructions on Page 11. Adjust or replace as necessary.

If machine fails to start and **pilot light is on:**

a. Check that the door is locked.
b. Allow the machine to go through a complete cycle, checking that the sequence follows the program sequence as described below. You can rapidly advance the timer through lifting the solenoid arm with a finger. NOTE! Be careful - there can be current in the wires to the solenoid. Make certain that the incoming water is correct during the wash part of the cycle by turning the selector switch through all the wash temperatu - res (warm, hot, permanent press and cold) and checking the incoming water. Reverse the water i nlet hoses if incorrect.
After initial start-up, place your operating and parts manuals, wiring diagram and warranty policy in a safe, handy place for future reference.

Program Sequence

Wash:

After the machine is started and the door locked, the drain valve closes and the water valve(s) open. For Warm or Permanent Press cycles, the hot and cold water valves both open and start to fill the machine. For a hot wash, only the hot water valve opens. For a cold wash, only the cold water valve opens. When a minimum level is reached, the cylinder starts to rotate. The water then continues to fill until the proper level is reached.
The water valve(s) then close and the wash cycle proceeds for a total of about 8 minutes.

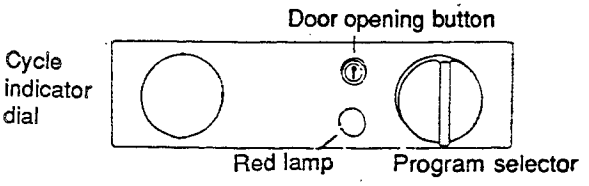
Drain and extraction:

The drain valve opens and the water starts to drain as the extract motor is energized. Drain and then extraction proceed for a total of 30 seconds with extension taking place only during the final 3 seconds.

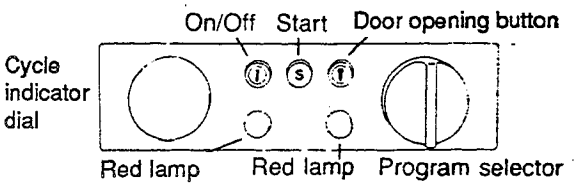
First rinse

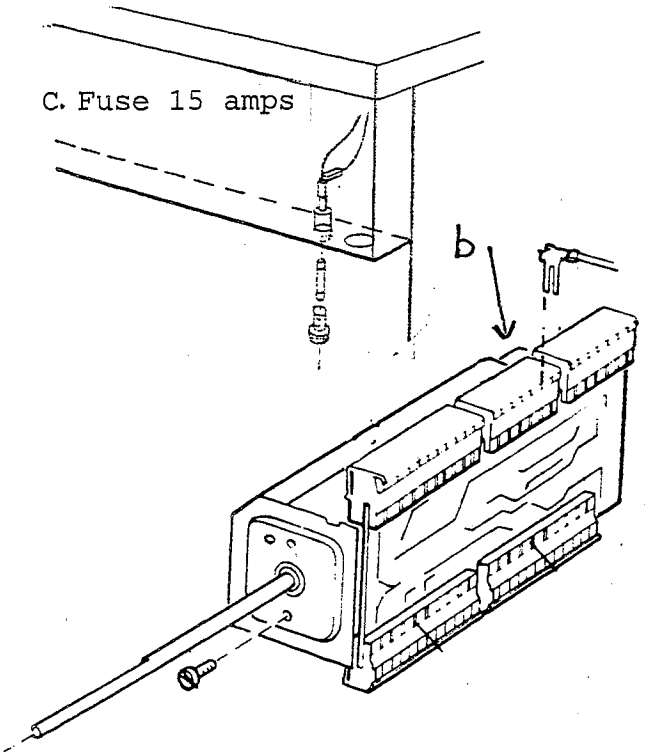
The drain valve closes and the cold water valve opens. When the proper level is reached, the water valve closes and the rinse proceeds for a total of 2 minutes:

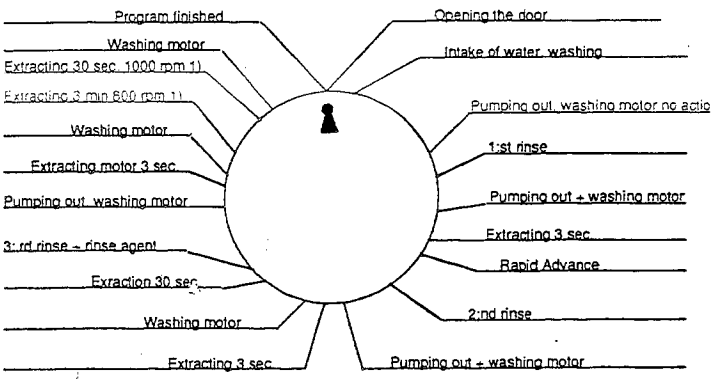
Layout for coin metered machines



Layout for manual started machines







1)Permanent press, only 1.5 min. extraction 800 rpm

Drain and extraction:
The drain valve opens and the extract motor is energized. Drain and extraction proceed together for a total of 1.5 minutes.

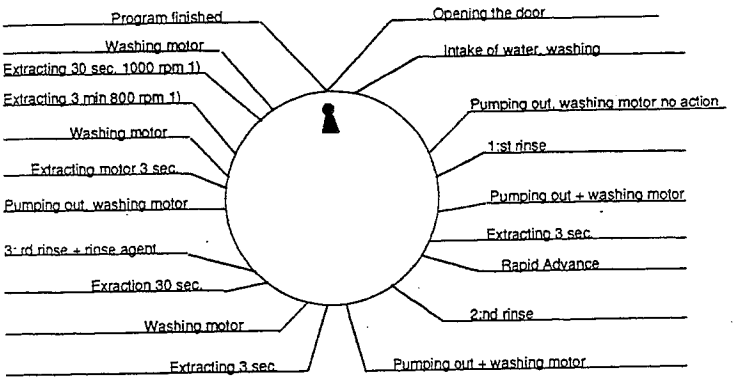
Second rinse:
Same as first rinse.

Drain and extraction:
Same as second drain and extraction.

Third Rinse:
The drain valve closes and the cold water valve opens. At the same time, the fabric softener compartment is flushed down.
When the proper level is reached, the water valves both close and the final rinse proceeds for a total of 2 minutes.

Final drain and extraction:
The drain valve opens and the extract motor is energized.
Drain and extraction then proceed for 4.5 minutes on all but the Permanent Press cycle, where it is 2.5 minutes.

Shake-out:
There is a shake-out period of 1 minute before the cycle ends.

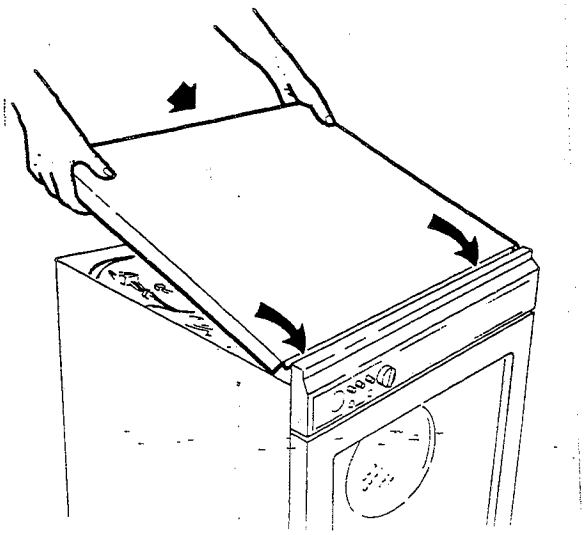


1)Permanent press, only 1.5 min. extraction 800 rpm

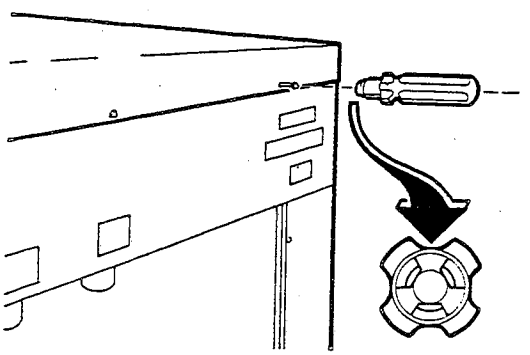
Machine construction

Enclosure
The basic machine enclosure is a single unit, covering all sides.It is made of oven-enamelled electrostatically-coated hot-dip-galvanized steel.

Top panel
1. Attach the top panel by locating its front edge between the front panel and the cross-member and pressing down the rear edge of the panel.
2. Secure it from the back by means of the three security screws, using special tool No 88 008 76.



Rear panel
The rear panel is secured by means of nine screws, and can be attached and removed without having to remove the outlet hose.

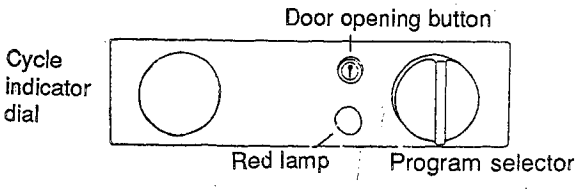


Lower front guard panel
The lower front guard panel is secured from the front by two screws easily removable for access to the drain system.

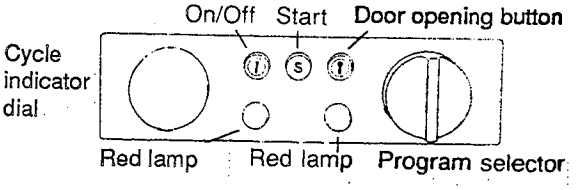
Outer casing
The main outer casing is secured to the bottom plate by nine screws.

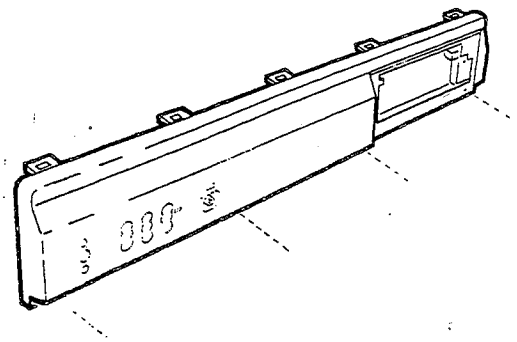
Front Control Panel

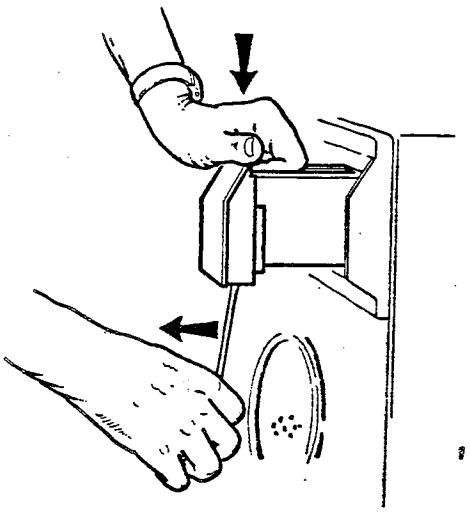
Layout for coin metered machines



Layout for manual started machines



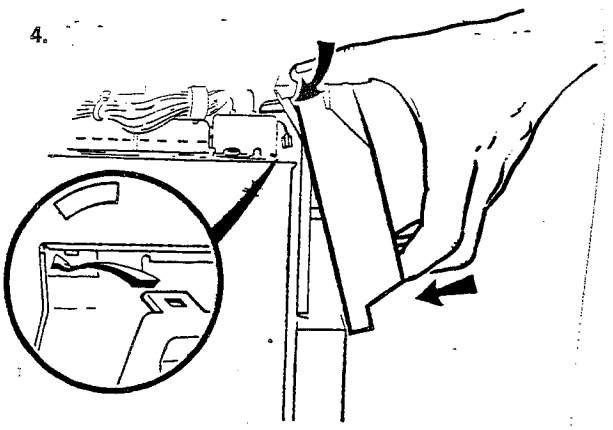




Replacement of the Operating panel

1. Remove the four screws along the bottom of the front edge of the panel.
2. Pull off the program selector knob by pulling it straight out. This may be made easier by carefully prying up the knob with two screwdrivers, one under each side.
3. Remove the handle of the detergent compartment by using a screwdriver to release the two clips on the underside of the handle, as shown in the drawing.
4. Raise the front lower edge of the panel and release it from the clips by pulling the upper edge straight down.
5. If the control panel or trim panel are to be changed, carefully remove the wires from the indicating lamp(s).

4.



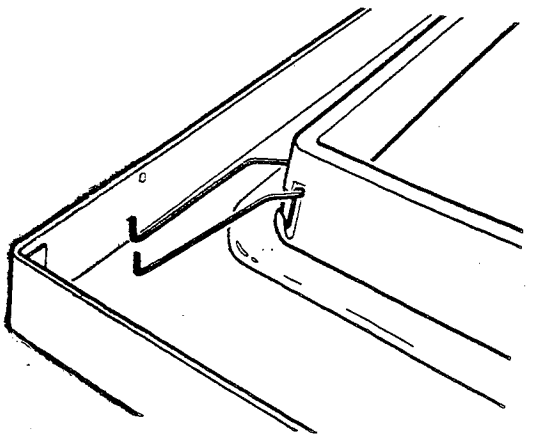
Check door interlock to make sure machine does not operate with door open and that door does not open while the machine is operating. This must be checked daily.

Replacement of the trim

The trim panel is held by adhesive, and can be removed by carefully prying it off with a knife.

The red indicating lamp is press fit in the trim panel. When reassembling, first glue the new trim panel into position and thenpress in the indicating lamp.

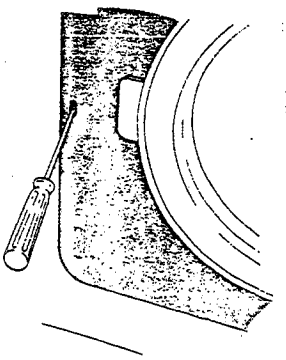
Replacement of the upper front panel or trim



1. Remove the top panel, the lower guard panel and the control panel as described above.
2. Remove the eight screws that secure the front panel: four at the top and four at the bottom.
3. Release the spring clips that secure the trim.
4. Reattach all parts in the reverse order.

Door

The front door consists of a die-cast lacquered frame with door glass and seal.The door is mounted on a hinge, pivoted in brass supports on a bracket inside the front plate. The door hinge screws can be seen from the front when the door is open.

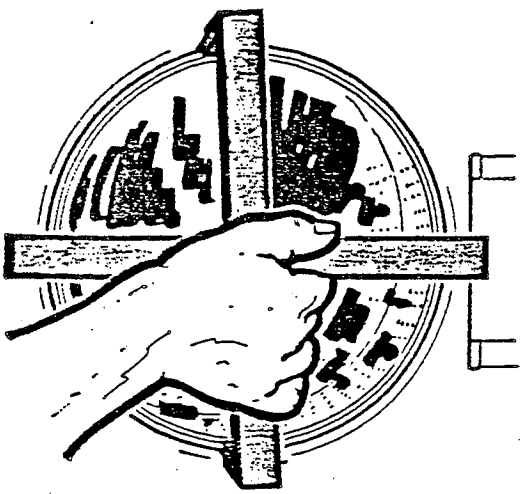


Emergency opening

The door can be opened in an emergency as follows:

1. Insert a screwdriver in the hole and press the door catch upwards to release the door.
2. If, afterwards, the door still cannot be opened in the normal manner, contact your service technician.

Adjusting the cover plate- Changing the door seal



If the sealing ring around the front door is leaking, or if it has to be changed for any reason, proceed as follows:

1. Remove the locking ring.
2. Remove the rubber seal.
3. Insert the centering tool, Part No 88 007 45, in the gap between the cover plate and the drum. Check that the front panel is properly centered.
4. To center the front panel loosen the four screws

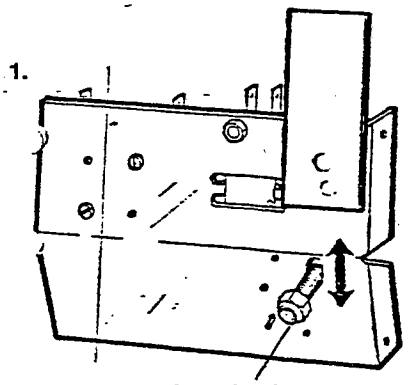
that hold the panel using a long (10 mm) socket spanner and extension shaft from the back. They need only be loosened, and not completely removed, so that the front panel can be adjusted. When it is in the right position, retighten the four screws.

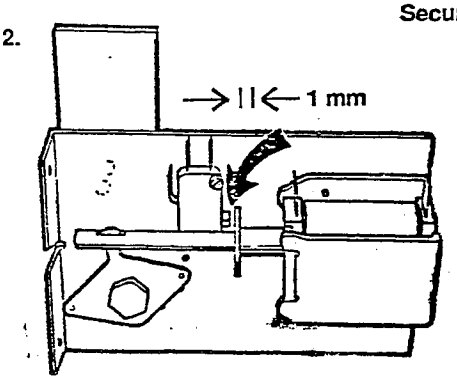
5. Fit the new sealing ring and press it carefully into position all round.
6. Press the plastic strip into position by hand with the ends on the top of the opening.This is easier if it is first smeared with something like liquid fabricsoftener.

Door interlock

Adjustment of door switch Minor adjustments to the door interlock switch may be necessary when replacing the door lock or when servicing it to compensate for wear of the door switch mechanism.

1. If the machine does not start, in spite of the door being closed, adjust the securing bolt vertically as shown in figure 1. This exposes the switch and the machine can start.
2. Check that the distance between the switch arm and the washer is 1 mm when the door is closed, as shown in figure 2.
3. Check that the armature (bolt) can move freely in the solenoid.



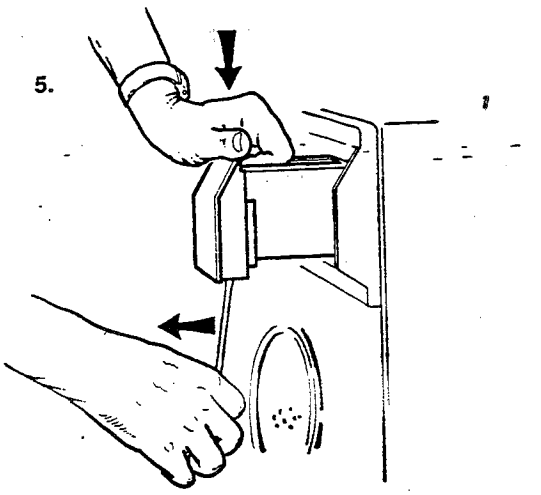


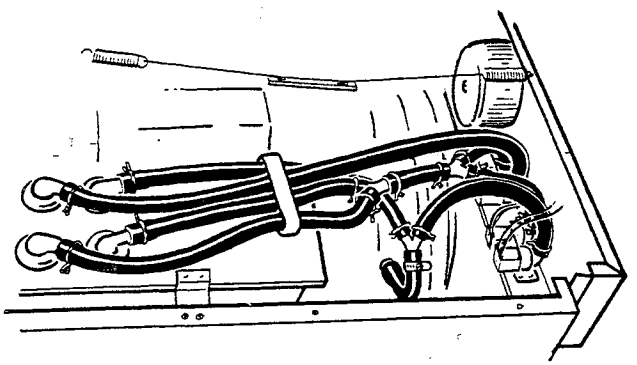
Soap Drawer Assembly

To remove the detergent compartment, proceed as follows:

1. Remove the four filling hoses by turning the plastic end fittings and pulingl the hoses straight up. Note which hose went into which hole on the box.
2. Release the tub vent hose at the rear of the box.
3. Release the bellows hose underneath the deter gent compartment very carefully.
4. Undo the screw that prevents the detergent compartment from being pulled out. There is a nut on the inside.
5. Release the clips that hold the handle by pushing a screwdriver in between the compartment and the hand grip, and then pushing the handle straight down.
6. Undo the two screws in the top cover and pull the whole compartment out backwards.

Make sure that the bellows hose is in the correct position when replacing the detergent compartment. It must be fitted so that the hose is square to the compartment. And make sure, too, that the hose clip fits properly all round and that the correct hoses go into the correct holes in the top of the box.



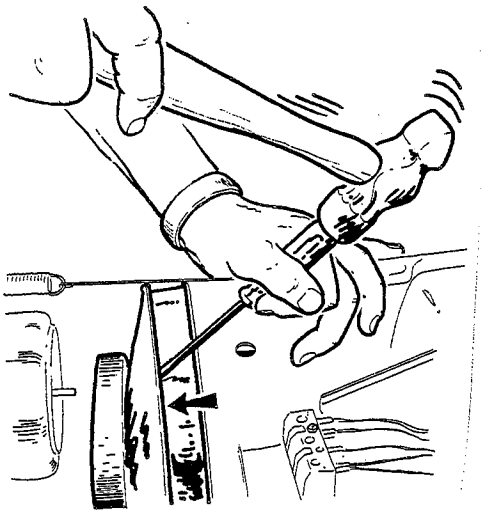


Support Cradle and Tensioning plates

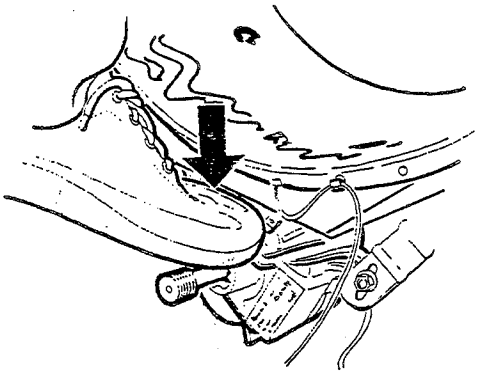
1. Remove the drive belt and the ground terminal for the back gable and remove the clamp band.

2. Remove the gable and the cylinder from the container. Use a screwdriver and a hammer and tap carefully until the back gable comes loose.
   N B !
   Place the screwdriver between the O-ring and the back gable,to prevent damage to the O-ring.
3. Pull out the back gable with the cylinder from the container.

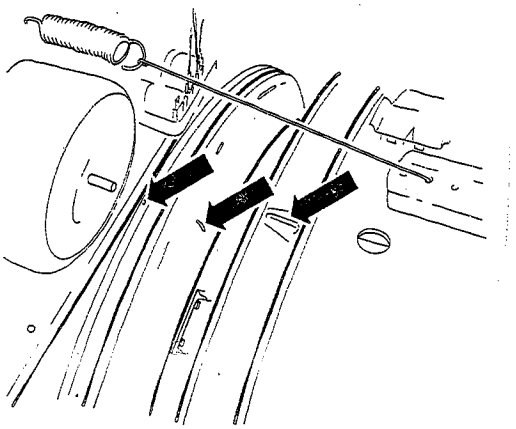
N B !
To get under the back casing bar it is necessary to lower the container. This is most easily done by pushing the motor down with your foot.Do not apply any pressure to the motor shaft.**It is strictly forbidden to push on the upper part of the container with your hands.**



4. To change the bearing and seals, start by taking off the drive pulley .There is a corrugated washer underneath the pulley, which keeps the cylinder in the right position The ball bearing is a loose fit on the cylinder shaft. These two substantial ball bea rings are fitted in the bearing housing of the container. There is an O-ring and a brass thrower ring on the shaft. A V-ring seal is fitted under neath the stainless steel rear wall and the stain less steel protective washer.

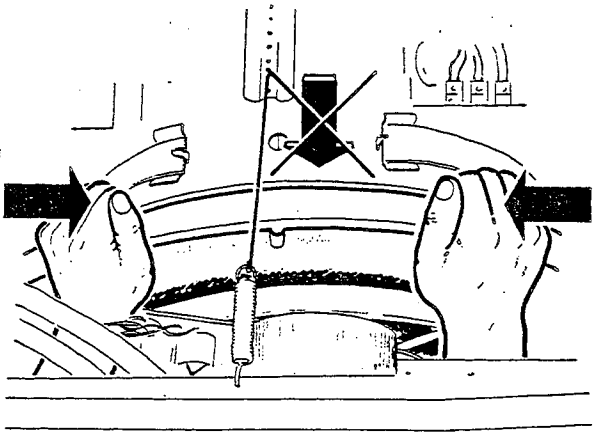


5. Start reassembly by passing the protective was her and the V-ring seal onto the shaft, and then fit the stainless steel rear wall.Make sure that the brass thrower ring is fitted the right way around, i.e. with the flat side downwards. Fit the O-ring and then fit the bearing housing. Fit the drive pulley on the shaft. Don't forget to fit the corru gated washer before fitting the pulley!

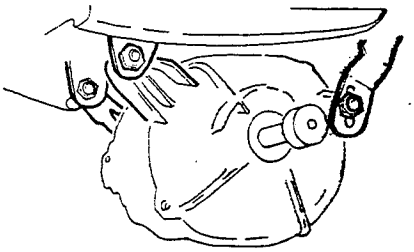


6. On the rear wall and the bearing housing are marks. They must be on the toptowards the seam welding of the container. Check carefully that the O-ring is in its place all around the rear wall.

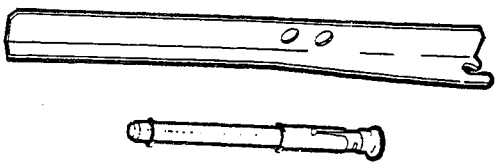
7. Fitting the rear wall of the gable can be difficult. It is easier for two persons to do this.
   Start by putting the gable in its place at the lower part of the container. Then mount the U-tool (Part No 80 099 42) at the front side around the casing and the cylinder. Put the gable into the container and mount the clamp band.



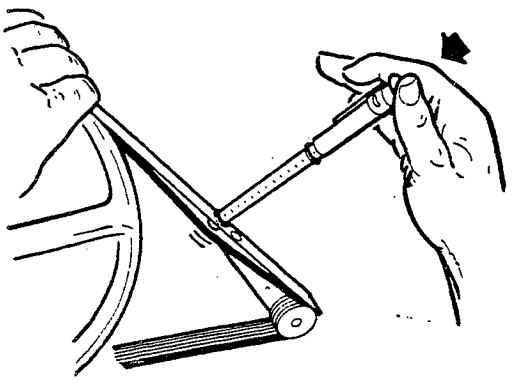
NOTE!
The clamp band is to be pulled and tapped alternatively . Pull a little and then tap on the clamp band with a hammer.Start at the lower part of the clamp band and tap up towards the top. When you have checked that the clamp band is well pulled together, mount the ground terminal, the drive belt , the rear panel, the top panel and the lower front panel.



Motor, Simodom 1BV 5565



1. Remove the drive belt.
2. Undo the motor terminal block and the two cable clips in the bottom of the machine.
3. Undo the three bolts that secure the motor.
4. **Do not remove the drip guard plate fitted above the motor.**
5. When refitting, remember to tension the drive belt. This can be done as shown in the diagram, using belt tensioning tool, Part No 72 817 01. Apply a force about 4.5 - 5 kp, which should deflect the centre of the belt by about 10 mm. If the belt has been used before, the force necessary for a 10 mm deflection is about 2.5 - 3.5 kp.

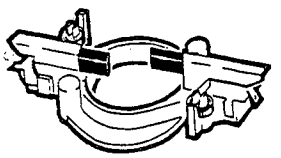


Warning!
Do not stretch the motor cable: there must be some slack to accommodate movement of the motor.

Replacing the brushes in the Simodom motor

Remove the motor as described above.

1. Undo the cable clip that secures the motor supply cable.
2. Mark the position on the non-drive-end endshield of the motor of the two adjusting screws that secure the brushes, and remove the screws.
3. Undo the four tie bolts that hold the motor toget her and remove the non-drive-end endshield.
4. Remove the wires connected to the brushes and remove the brushes.
5. Fit the new brushes and connect the wires.

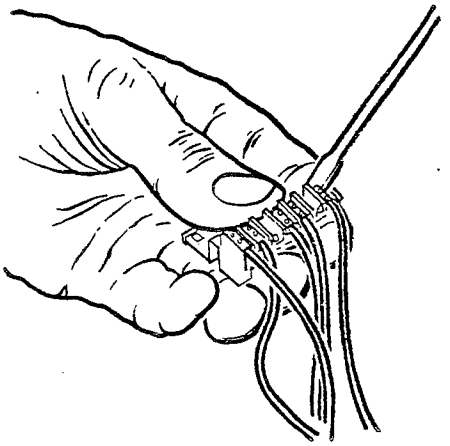


6. Refit the non-drive-end endshield.

7. Fit two diametrically opposite tie bolts. Spin the motor shaft to check that the motor rotates freely. If it does, fit the other two tie bolts.

8. Refit the cable clip.

9. Refit the adjusting screws in the endshield to their original positions.

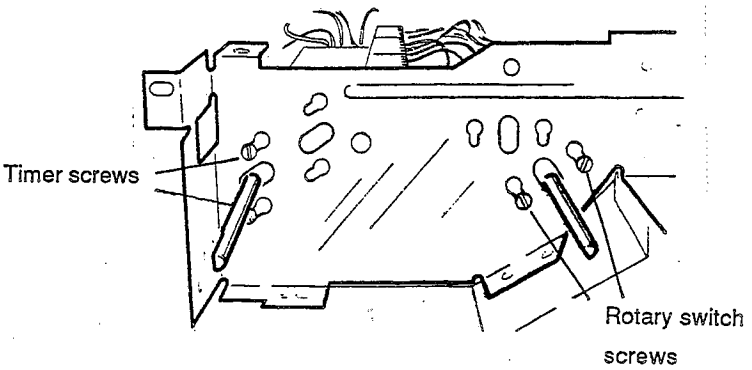


Capacitor

The 12 microfarad capacitor at the back of the electrical component shelf is for the main drive motor.

Timer

1. Remove the control panel (see page 9)
2. Remove the two screws that secure the timer.
3. Carefully note how the wires are fitted to the terminals. Disconnect the wires.
4. Remove the timer and disconnect the lower terminal connectors.



Pushbutton switch(es)

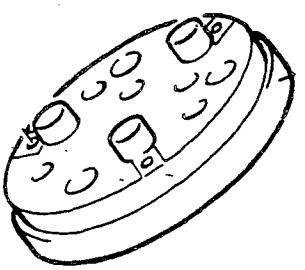
1. Remove the control panel (see page 9)
2. Remove the pushbutton switches.
3. Remove the two screws securing the switch(es).
4. Transfer the wires to the new switch one by one.

Rotary switch

1. Remove the knob.
2. Remove the two screws that secure the switch.
3. Transfer the wires to the new switch one by one.

Water Level Control

The level control, with three settings, is mounted next to the timer.
When the pre-set minimum level is reached during water fill, it allows the cylinder to start rotating. When the higher level is reached, it shuts off the water valves.
The levels are factory-adjusted and should not be changed in the field.
Pressure to the level control switch is supplied from an air-trap chamber through a tube connection.



1. Check that the hose or the pressure chamber is not leaking before you change the level switch.

2. The level control switch can easily be replaced by undoing the retaining screws and the hose.
3. Change the wires over one at a time in order to prevent them getting mixed up.

Pressure chamber

The pressure chamber for the level switch can be replaced by cutting off the tie that holds the hose and then undoing the hose clip on the bellows hose.

Inlet valves

Hot and cold inlet. The two outlet valves are mounted under the top panel and can be replaced easily after the panel is removed.

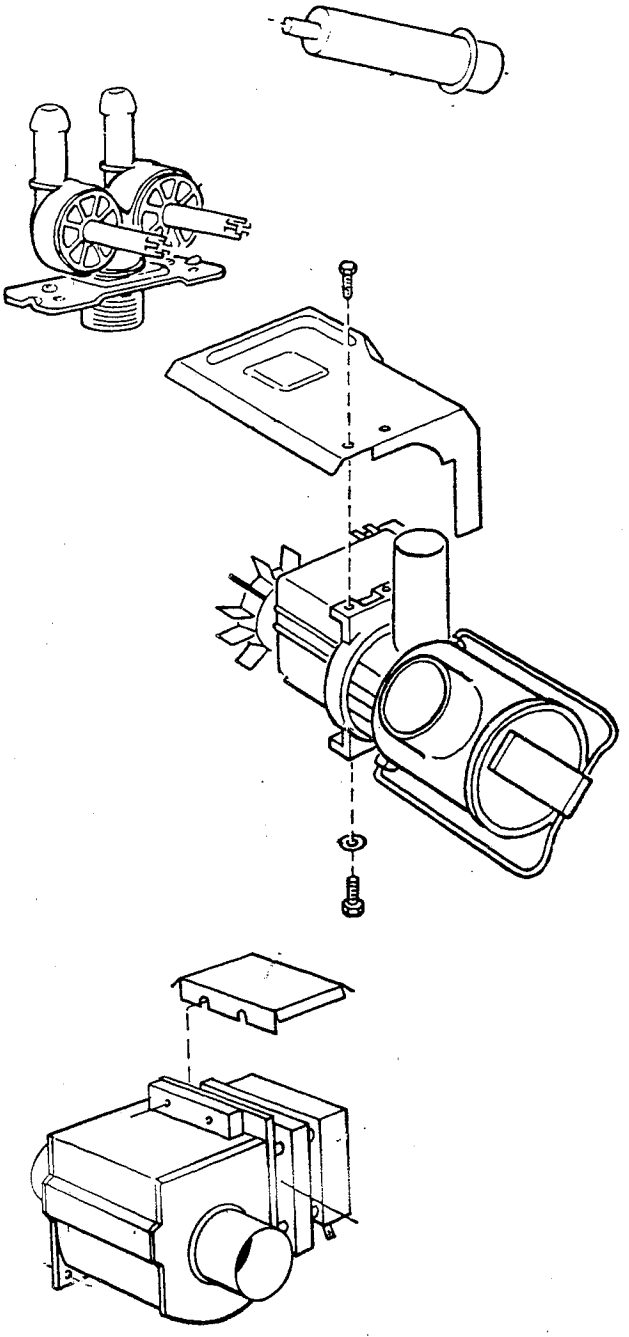
Drain pump

1. Remove the access cover at the bottom and the four screws that hold the guard plate ,and then disconnect the bellows hose and outlet hose.
2. The two retaining bolts can be undone without having to tip the machine. Just loosen them a little, as they are fitted in slots.

Drain valve

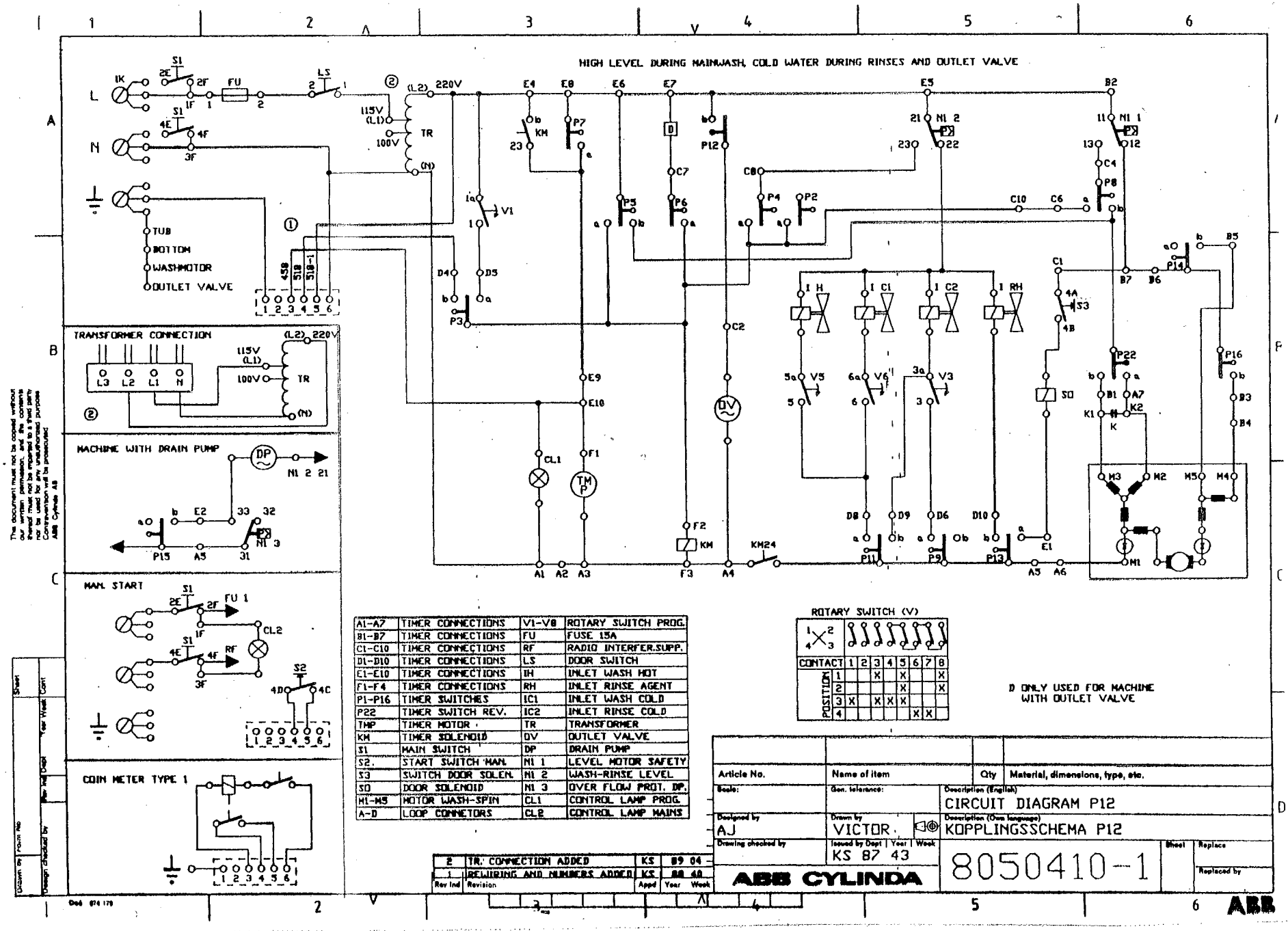
The drain valve consists of a plastic valve body and a motor-driven ball. It is resistant to water temperature up to 212 °F (100°C).
The valve is normally open, i.e. the motor does not close the valve until it receives current via a contact on the timer. This permits the machine to drain in the event of a power failure. As soon as the current is cut, an arm turns the ball and opens the valve.
The overflow hose leads excess water or suds directly to the waste line in the event of failure of the inlet valves or level control.

The installation of a lint trap is not necessary as the drain can be cleaned from outside the machine. The motor solenoid is covered by a plate and provided with quick disconnect electrical connections.



Trouble shooting

1.The machine does not start	a. Check main fuse as well as circuit breaker on the wall. b. Replace fuse and determine cause. c. Check the function of the microswitch. d. Check and repair or replace the coin meter. e. Check the rotary switch for continuity.
2. Motor does not operate at wash speed.	a. Check that drive belt is proper in its place. b. Check and repair or replace the timer. c. Check or replace the capacitor.
3. Drum rotates slowly at wash speed.	a. Check the drive belt tension.
4. Machine does not reverse on wash speed.	a. Check and repair or replace the timer. b. Check synchronous motor of the timer. c. Check level control. d. Check or replace the capacitor.
5. The machine does not extract.	a. Check the drain system. b. Check and repair or replace the timer. c. Check and repair or replace the driver motor. d. Check level control.Check motor overload protector. Automatically resets after 15-30 minutes.
6. Metallic noice at rear of machine.	a. Tighten stop screw of pulley.
7. Timer does not advance.	a. Check synchronous motor of the timer. b. Check level control and rubber hose leading to same.
8. The machine does not fill with water.	a. Check manually operated shut off valves. b. Check the solenoid as well as the valve for obstruction. c. Check wires leading to the valves. d. Check and adjust contact of timer. e. Check level control and rubber hose leading to same. f. Check, adjust or replace rotary switch.
9. The machine continues to fill with water and timer does not advance.	a. Check level control and plastic tubing leading to same. b. Check seating of the drain valve. c. Disconnect wires leading to solenoid of inlet valve. If water continues to flow the valve has stuck. Strip and clean the valve. Clean the diaphragm carefully.
10. Machine does not drain.	a. Check the drain system. b. Check that the shaft of the drain valve moves freely and that the pressure spring is not defective or has stuck. c. Adjust or replace faulty parts. d. Clean the valve. Check and adjust the timer.
11. Door leaks.	a. Replace gasket.
12. Machine vibrates excessively during extraction.	a. Tighten bolts. b. Check that the machine is standing level and steady on the floor. c. Check the shoch absorber.



A1-A7	TIMER CONNECTIONS	V1-V8	ROTARY SWITCH PROG.
B1-B7	TIMER CONNECTIONS	FU	FUSE 15A
C1-C10	TIMER CONNECTIONS	RF	RADIO INTERFER.SUPP.
D1-D10	TIMER CONNECTIONS	LS	DOOR SWITCH
E1-E10	TIMER CONNECTIONS	IH	INLET WASH HOT
F1-F4	TIMER CONNECTIONS	RH	INLET RINSE AGENT
P1-P16	TIMER SWITCHES	IC1	INLET WASH COLD
P22	TIMER SWITCH REV.	IC2	INLET RINSE COLD
TMP	TIMER MOTOR	TR	TRANSFORMER
KM	TIMER SOLENOID	OV	OUTLET VALVE
S1	MAIN SWITCH	DP	DRAIN PUMP
S2	START SWITCH MAN.	M1 1	LEVEL MOTOR SAFETY
S3	SWITCH DOOR SOLEN.	M1 2	WASH-RINSE LEVEL
S0	DOOR SOLENOID	M1 3	OVER FLOW PROT. DP.
M1-M5	MOTOR WASH-SPIN	CL1	CONTROL LAMP PROG.
A-D	LOOP CONNETORS	CL2	CONTROL LAMP MAINS

ROTARY SWITCH (V)

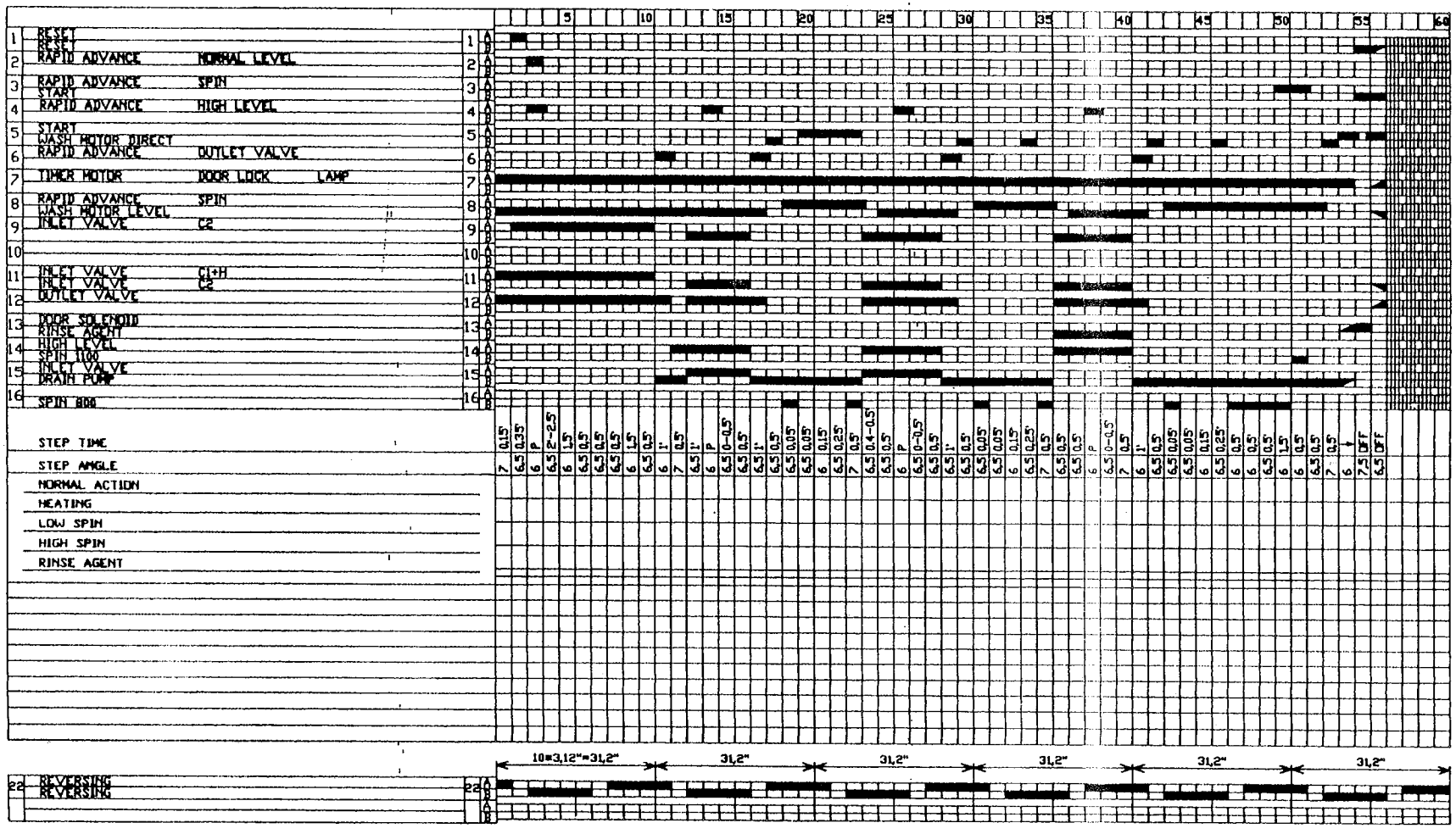
CONTACT	1	2	3	4	5	6	7	8
POSITION 1			X		X			X
2					X			X
3	X		X	X	X			
4						X	X	

D ONLY USED FOR MACHINE WITH OUTLET VALVE

Rev Ind	Revision	Appd	Year	Week
2	TR. CONNECTION ADDED	KS	89	04
1	REWIRING AND NUMBERS ADDED	KS	88	48

Article No.	Name of item	Qty	Material, dimensions, type, etc.
Scale:	Gen. tolerance:	Description (English)	CIRCUIT DIAGRAM P12
Designed by: AJ	Drawn by: VICTOR.	Description (Own language)	KOPPLINGSSCHEMA P12
Drawing checked by	Issued by Dept | Year | Week: KS 87 43	8050410-1	Sheet / Replace / Replaced by

ABB CYLINDA



Article No.	Name of item	Qty	Material, dimensions, type, etc.
Scale:	Gen. tolerance:	Description (English)	TIMERDIAGRAM P12, P15 (514 425)
Designed by HT	Drawn by VICTOR	Description (Own language)	TIMERDIAGRAM P12, P15 (514 425)
Drawing checked by	Issued by Dept / Year / Week KS 87 14	8050409	Sheet / Replaces / Replaced by

ABB CYLINDA

Drawn by | Form No | Design checked by | Rev Ind | Dept | Year | Week | Cont. Sheet

Rev Ind | Revision | Appd | Year | Week

Ord 874.179

OPERATOR SAFETY WARNING SIGNS REPLACE IF MISSING OR ILLEGIBLE

LOCATED ON THE FRONT PANEL

WARNING TO CUSTOMERS

1. Do not open washer door until cycle is completed, operating light is Off and wash cylinder has stopped completely.
2. Do not attempt to tamper with the door safety switch or door lock.
3. Do not attempt to open door or place hands into washer to remove or add clothes during operation. This can cause serious injury.

MACHINE SHOULD NOT BE USED BY CHILDREN

PRECAUCION

1. No abra la puerta de la máquina lavadora sino hasta que la máquina haya terminado su ciclo, la luz operativa esté apagada y el cilindro de lavado haya completamente terminado de girar.
2. No interferia or manipule el switch or la cerradura der la puerta.
3. No trate de abrir la puerta or meta las manos dentro de la máquina par meter o sacar ropa mientras la máquina está en operacion, pues puede resultar seriamente herido.

LAS MAQUINAS NO DEBEN SER USADAS POR NINOS

8053313

LOCATED ON MAIN TERMINAL BLOCK UNDE R THE TOP PANEL

L N ⏚

LOCATED OVER THE ELECTRIC CONNECTION OPENING AT THE REAR OF THE MACHINE

CAUTION: DISCONNECT POWER BEFORE COMMENCING SERVICE

8007255

FUSE 15A

8051111

WARNING

FAILURE TO INSTALL, MAINTAIN, AND/OR OPERATE THIS MACHINE ACCORDING TO MANUFACTURERS INSTRUCTIONS MAY RESULT IN CONDITIONS WHICH CAN PRODUCE BODILY INJURY AND/OR PROPERTY DAMAGE. 8052721

THIS MACHINE MUST BE ELECTRICALLY CONNECTED TO A SUPPLY CIRCUIT TO WHICH NO OTHER LIGHTING UNIT OR GENERAL PURPOSE RECEPTACLE IS ALSO CONNECTED.

8007254

Cold Water

8006979

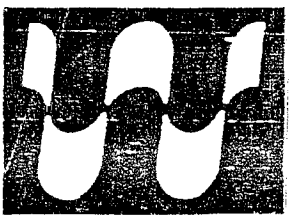
Hot Water

8006978

MACHINE IDENTIFICATION PLATE

Machine Model
Machine Serial Number
Electrical Characteristics: **Volts** **Phase** **Hz**

NOTE:
Any contract with your dealer or Wascoclean regarding machine safety, service or parts must include the above identification plate information. Make certain to keep this manual in a secure place for future reference.



Wascoclean, Ltd.
461 DOUGHTY BLVD. INWOOD, N.Y. 11696 (516) 371-4400
CABLE TELBERBIL: TELEX NO 96-1373
TELEFAX NO 5163714029
Manufactured by ASKO CYLINDA AB Vara Sweden