

# **OPERATING MANUAL**

DOC. NO. 438.9200-85/05 EDITION22.2005

## **W620, W630, W640, W655 and W675 Classic Control**



# Operating manual

## W620, W630, W640, W655 and W675

### Classic Control

**WARNING:** ALL OPERATING AND MAINTENANCE PROCEDURES SHOWN ON THE NEXT PAGE OF THIS MANUAL MUST BE FOLLOWED DAILY FOR PROPER OPERATION OF YOUR WASCOMAT MACHINE.

PLEASE ENTER THE FOLLOWING INFORMATION AS IT APPEARS ON THE MACHINE(S) DATA PLATE(S).

<b>MACHINE TYPE OR MODEL</b>	
<b>MACHINE SERIAL NUMBER(S)</b>	
<b>ELECTRICAL CHARACTERISTICS:</b> _____ VOLTS, _____ PHASE, _____ HZ.	

MAKE CERTAIN TO KEEP THIS MANUAL IN A SECURE PLACE FOR FUTURE REFERENCE.

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## SAFETY AND WARNINGS SIGNS

Replace If Missing Or Illegible

One or more of these signs must be affixed on each machine as indicated, when not included as part of the front instruction panel.

### LOCATED ON THE OPERATING INSTRUCTION SIGN OF THE MACHINE:

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#### CAUTION

1. Do not open washer door until cycle is completed, operating light is off, and wash cylinder has stopped rotating.
2. Do not 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.

#### 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 interfiera o manipule el switch o la cerradura de la puerta.
3. No trate de abrir la puerta o meta las manos dentro de la máquina para meter o sacar ropa mientras la máquina está en operación, pues puede resultar seriamente herido.

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**MACHINE SHOULD NOT BE USED BY CHILDREN**

**LAS MÁQUINAS NO DEBEN SER USADAS POR NIÑOS**

**IMPORTANT SAFETY INSTRUCTIONS**  
**IMPORTANTES MESURES DE SECURITE**  
**WARNING -**

To reduce the risk of fire, electric shock, or injury to persons when using your appliance:

**AVERTISSEMENT -**

**Pour réduire les risques d'incendie, de choc électrique ou de blessure quand, l'appareil est utilisé:**

1. Read all instructions before using the appliance.  
*Lire toutes les instructions avant d'utiliser l'appareil.*
2. This machine must be securely bolted to the floor according to the installation instructions.  
*Ce machine doit être vissée sur le plancher selon les instructions d'installation.*
3. This machine **MUST** be serviced and operated in compliance with manufacturers instructions. **CHECK DOOR LOCKS EVERY DAY FOR PROPER OPERATION TO PREVENT INJURY OR DAMAGE. IF THE DOOR LOCK FAILS TO OPERATE PROPERLY, PLACE THE MACHINE OUT OF ORDER UNTIL THE PROBLEM IS CORRECTED.**  
*IL FAUT QUE cette appareil soit entretenue et actionnée conformément aux instructions du fabricant. CONTROLEZ LA SERRURE DE PORTE TOUS LES JOURS AFIN DE EVITER DES DOMMAGES OU DES RISQUES PERSONNELLES. SI LA SERRURE DE PORTE NE FONCTIONNE PAS, IL FAUT METTRE LA MACHINE HORS SERVICE JUSQU'À LE PROBLEME SOIT CORRIGÉ.*
4. Do not wash articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, drycleaning solvents, or other flammable or explosive substances, as they give off vapors that could ignite or explode.  
*Ne pas laver des articles qui ont été nettoyés ou lavés avec de l'essence, des solvants pour nettoyage à sec ou d'autres substances inflammables ou explosives, ou que l'on a fait tremper dans ces produits. Ces substances dégagent des vapeurs qui peuvent s'enflammer ou exploser.*
5. Do not add gasoline, dry-cleaning solvents, or other flammable or explosive substances to the wash water. These substances give off vapours that could ignite or explode.  
*Ne pas ajouter d'essence, de solvants pour nettoyage à sec ou d'autres substances inflammables ou explosives à l'eau de lavage. Ces substances dégagent des vapeurs qui peuvent s'enflammer ou exploser.*
6. Under certain conditions, hydrogen gas may be produced in a hot-water system that has not been used for 2 weeks or more. **HYDROGEN GAS IS EXPLOSIVE.** If the hot-water system has not been used for such a period, before using a washing machine, turn on all hot-water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use an open flame during this time.  
*De l'hydrogène peut être produit dans un système à eau chaude qui n'a pas été utilisé depuis deux semaines ou plus. L'HYDROGÈNE EST EXPLOSIF. Si le système à eau chaude n'a pas été utilisé depuis un certain temps, ouvrir tous les robinets d'eau chaude et laisser l'eau couler pendant plusieurs minutes avant d'utiliser une laveuse, l'hydrogène accumulé, le cas échéant, s'échappera. L'hydrogène étant inflammable, ne pas fumer ou utiliser un appareil à flamme nue pendant que l'eau coule.*
7. Do not allow children to play on or in the appliance. Close supervision of children is necessary when the appliance is used near children.  
*Ne pas permettre aux enfants de jouer sur ou dans l'appareil. Surveiller étroitement les enfants lorsqu'ils se trouvent près de l'appareil qui fonctionne.*
8. Before the appliance is removed from service or discarded, remove the door.  
*Avant de mettre l'appareil hors service ou de jeter, retirer la porte.*
9. Do not reach into the appliance if the tube is moving.  
*Ne pas mettre la main dans l'appareil lorsque la cuve bouge.*
10. Do not install or store this appliance where it will be exposed to the weather.  
*Ne pas installer ou placer cet appareil dans un endroit où il sera exposé aux intempéries.*
11. Do not tamper with controls.  
*Ne pas trafiquer les commandes.*
12. Do not repair or replace any part of the appliance or attempt any servicing unless specifically recommended in the user-maintenance instructions or in published user-repair instructions that you understand and have the skills to carry out.  
*Ne pas réparer ou remplacer les pièces de l'appareil ou procéder à l'entretien de celui-ci sauf si les instructions visant l'entretien et les réparations qui doivent être effectués par l'utilisateur le spécifient, si vous comprenez bien ces instructions et si vous possédez les connaissances nécessaires.*

**MANUFACTURED BY WASCATOR**  
**DISTRIBUTED BY WASCOMAT INWOOD, NEW YORK, USA**



## **NOTICE TO: OWNERS, OPERATORS AND DEALERS OF WASCOMAT MACHINES**

IMPROPER INSTALLATION AND INADEQUATE MAINTENANCE, POOR HOUSEKEEPING AND WILLFUL NEGLECT OR BYPASSING OF SAFETY DEVICES MAY RESULT IN SERIOUS ACCIDENTS OR INJURY. TO ASSURE THE SAFETY OF CUSTOMERS AND/OR OPERATORS OF YOUR MACHINE, THE FOLLOWING MAINTENANCE CHECKS MUST BE PERFORMED ON A DAILY BASIS.

1. Prior to operation of the machine, check to make certain that all operating instructions and warning signs are affixed to the machine and legible. (See the following page of this manual for description and location of the signs.) Missing or illegible ones must be replaced immediately. Be sure you have spare signs and labels available at all times. These can be obtained from your dealer or Wascomat.
2. Check the door safety interlock, as follows:
  - (a) OPEN THE DOOR of the machine and attempt to start in the normal manner:  
  
For CLARUS microprocessor models, choose a program and press the START button.

### **THE MACHINE(S) MUST NOT START !**

- (b) CLOSE THE DOOR to start machine operation and, while it is operating, attempt to open the door without exerting extreme force on the door handle. The door should remain locked!  
  
If the machine can start with the door open, or can continue to operate with the door unlocked, the door interlock is no longer operating properly. The machine must be placed out of order and the interlock immediately repaired or replaced. (See the door interlock section of the manual.)
3. DO NOT UNDER ANY CIRCUMSTANCES ATTEMPT TO BYPASS OR REWIRE ANY OF THE MACHINE'S SAFETY DEVICES, AS THIS CAN RESULT IN SERIOUS ACCIDENTS.
4. **Be sure to keep the machine(s) 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 Wascomat through its Technical Support Department - 516/371-0700.

All requests for assistance must include the model, serial number and electrical characteristics as they appear on the machine identification plate. Insert this information in the space provided on the previous page of this manual.

5. **WARNING:** DO NOT OPERATE MACHINE(S) WITH SAFETY DEVICES BYPASSED, REWIRED OR INOPERATIVE! DO NOT OPEN MACHINE DOOR UNTIL DRUM HAS STOPPED ROTATING!

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The manufacturer reserves the right to make changes to design, material and/or specifications without notice.

### **Safety instructions**

- The machine is designed for water washing only.
- The machine must not be used by children.
- All installation operations are to be carried out by qualified personnel. Licensed personnel are necessary for all electric power wiring and plumbing.
- The door interlock must be checked daily for proper operation and must not be bypassed.
- All seepage in the system, due to faulty gaskets etc., must be repaired immediately.
- All service personnel must be fully familiar with the operating manual before attempting any repair or maintenance of the machine.
- The machine must not be sprayed with water.
- Do not add flammable or explosive substances to the wash water. There may give off vapors that could ignite or explode.

### **Consignes de sécurité**

- La machine est conçue pour le lavage à l'eau exclusivement.
- La machine ne peut être utilisée par des enfants.
- Tous les travaux d'installation doivent être effectués par une personne qualifiée. Tous les câblages électriques doivent être réalisés par un électricien diplômé.
- Le verrouillage du hublot doit être vérifié chaque jour et ne peut être neutralisé.
- Toute fuite du système, due à des joints défectueux etc., doit être réparée sans délai.
- Tous les membres du personnel d'entretien doivent être parfaitement familiarisés avec le manuel d'entretien avant d'entreprendre une réparation ou un entretien de la machine.
- Ne jamais asperger d'eau la machine sous peine de risquer un court-circuit.
- Ne pas utiliser dans la machine des adoucissants textiles contenant des liquides volatils ou inflammables.

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## Procedure for use

### Preparation

Sort the laundry according to the washing instructions on garment tags.

Empty pockets and close zippers.

Open door, put laundry in the machine and close door.

### Start

**Fig. 1** Turn the control knob to the desired wash program.

- Add the correct amount of detergent and fabric conditioner as recommended by their manufacturers.

**Fig. 2** Compartment 1 — Pre wash, powder or liquid detergent

Compartment 2 — Main wash, powder detergent

Compartment 3 — Softener

Compartment 4 — Main wash, liquid detergent

Insert coins or tokens. When the right amount has been added the machine starts automatically.

### Rapid advance control (not coin operated machines)

Use the rapid advance control function to step through the available programmes without activating them. Keep the **START** button depressed until the programme indicator on the front panel passes the programme or programmes (up to the final spin cycle) which are not wanted. To advance beyond the final spin, release the **START** button briefly and then press it again, keeping it pressed until the programme indicator has moved past the final spin cycle.

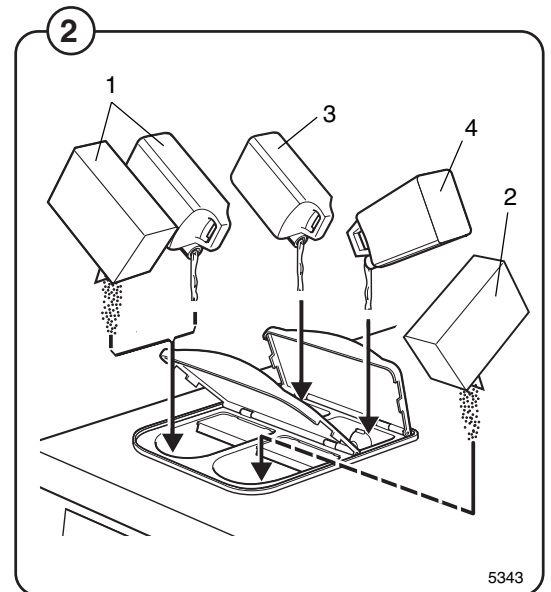
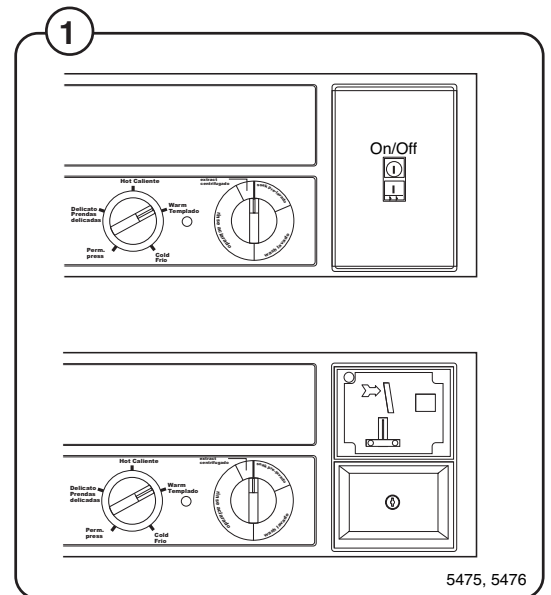
### Finishing

When the wash program is finished, open the door and take out the laundry.

Leave the door open when the machine is not in use.

This allows the remaining moisture in the drum to evaporate.

When necessary, clean the door gasket and detergent compartments. Wipe off the machine with a damp cloth.



## Wash Programs

Fig. 3 In the figure below is an overview of the five wash programs.  
On the following pages you will find a more detailed description of the programs.

3

	HOT			WARM			COLD			DELICATE			Perm. Press		
	Time (Min.)	Temp.	Water Level	Time (Min.)	Temp.	Water Level	Time (Min.)	Temp.	Water Level	Time (Min.)	Temp.	Water Level	Time (Min.)	Temp.	Water Level
Prewash	3	Warm	Low	3	Warm	Low	3	Cold	Low				3	Warm	Low
Detergent 1															
Drain	1			1			1						1		
Mainwash	6	Hot	Low	6	Warm	Low	6	Cold	Low	6	Cold	High	6	Warm	Low
Detergent 2															
Drain	1			1			1			1			1		
Rinse 1	1	Cold	High	1	Cold	High	1	Cold	High	1	Cold	High	1	Cold	High
Drain	1			1			1			1			1		
Extract	0.5			0.5			0.5			0.5			0,5		
Rinse 2	1	Cold	High	1	Cold	High	1	Cold	High	1	Cold	High	1	Cold	High
Drain	1			1			1			1			1		
Extract	0.5			0.5			0.5			0.5			0,5		
Rinse 3	1	Cold	High	1	Cold	High	1	Cold	High	1	Cold	High	1	Cold	High
Detergent 3															
Drain	1			1			1			1			1		
Extract	4			4			4			1			1		
Total time (water fill time not included)	23			23			23			16			20		

## Wash program, Hot

Fig.  
4

After the machine has started and the door automatically locked, the drain valve will close and the hot and cold water valves will open to fill the machine with mixed hot and cold water to the level determined by the level control.

When this level is reached, both water valves will close. During filling and then through the wash program the drum has a reversing rotation.

At the end of the pre-wash, the drain valve will open, and the machine is drained. The drain valve will then re-close and hot water will fill to the level determined by the level control. At the same time detergent from compartment 2 is mixed with the incoming hot water.

The machine will now wash the fabrics for 6 minutes. The drain valve then opens again, and the machine is emptied.

Cold water is filled to the high level for the first rinse which lasts one minute, followed by spin extraction for 30 seconds. After the extraction comes the second rinse in cold water, ending with spin extraction, whereafter the third rinse is started. Fabric softener is automatically admitted during the third rinse. The fabrics are rinsed in cold water for one minute followed by a spin extraction of four minutes duration. Finally there is a shake out for one and a half minutes.

4

	HOT		
	Time (Min.)	Temp.	Water Level
Prewash	3	Warm	Low
Detergent 1			
Drain	1		
Mainwash	6	Hot	Low
Detergent 2			
Drain	1		
Rinse 1	1	Cold	High
Drain	1		
Extract	0.5		
Rinse 2	1	Cold	High
Drain	1		
Extract	0.5		
Rinse 3	1	Cold	High
Detergent 3			
Drain	1		
Extract	4		
Total time (water fill time not included)	23		

## Wash Program, Warm

**Fig. 5** On starting the machine, the door will automatically be locked, and the pre-wash carried out as previously described, whereafter the main wash is started.

As the main wash is started, the drain valve closes, detergent is admitted and mixed hot and cold water is filled to the level determined by the level control.

On reaching this level, the water valves are closed.

The machine will now wash the fabrics for 6 minutes. The machine is then emptied.

Cold water is filled for the first rinse which lasts one minute, followed by spin extraction for 30 seconds.

After this extraction comes the second rinse in cold water ending with spin extraction, whereafter the third rinse is started. Fabric softener is automatically admitted during the third rinse. The fabrics are rinsed with cold water for one minute followed by a spin extraction of four minutes duration.

5

	WARM		
	Time (Min.)	Temp.	Water Level
Prewash	3	Warm	Low
Detergent 1			
Drain	1		
Mainwash	6	Warm	Low
Detergent 2			
Drain	1		
Rinse 1	1	Cold	High
Drain	1		
Extract	0.5		
Rinse 2	1	Cold	High
Drain	1		
Extract	0.5		
Rinse 3	1	Cold	High
Detergent 3			
Drain	1		
Extract	4		
Total time (water fill time not included)	23		

## Wash Program, Cold

Fig.  
6

On starting the machine, the door will automatically be locked, the drain valve closed, the cold water valve opened and the pre-wash carried out as previously described, whereafter the main wash is started.

As the main wash is started, the drain valve closes, detergent is admitted and cold water is filled to the level determined by the level control.

On reaching this level, cold water valve is closed.

The machine will now wash the fabrics for 6 minutes. The machine is then emptied.

Cold water is filled for the first rinse which lasts one minute, followed by spin extraction for 30 seconds.

After this extraction comes the second rinse in cold water concluded with spin extraction, whereafter the third rinse is started.

Fabric softener is automatically admitted during the third rinse. The fabrics are rinsed with cold water for one minute followed by a spin extraction of four minutes duration.

6

	COLD		
	Time (Min.)	Temp.	Water Level
Prewash	3	Cold	Low
Detergent 1			
Drain	1		
Mainwash	6	Cold	Low
Detergent 2			
Drain	1		
Rinse 1	1	Cold	High
Drain	1		
Extract	0.5		
Rinse 2	1	Cold	High
Drain	1		
Extract	0.5		
Rinse 3	1	Cold	High
Detergent 3			
Drain	1		
Extract	4		
Total time (water fill time not included)	23		

## Wash Program, Delicate

Fig.  
7

On starting the machine, the door will automatically be locked, the drain valve closed, the hot and cold water valves opened and the pre-wash will be carried out as previously described, whereafter the main wash is started.

As the main wash is started, the drain valve closes, detergent is admitted and mixed hot and cold water is filled to the level determined by the level control.

On reaching this level, the water valves are closed and the wash motor starts its reversing rotation.

The machine will now wash the fabrics for 6 minutes. The machine is then emptied.

Cold water is filled for the first rinse which lasts one minute, followed by spin extraction for 30 seconds.

Fabric softener is automatically admitted during the third rinse. The fabrics are rinsed with cold water for one minute followed by a spin extraction of one minutes duration.

7

	DELICATE		
	Time (Min.)	Temp.	Water Level
Mainwash	6	Warm	High
Detergent 2			
Drain	1		
Rinse 1	1	Cold	High
Drain	1		
Extract	0.5		
Rinse 2	1	Cold	High
Drain	1		
Extract	0.5		
Rinse 3	1	Cold	High
Detergent 3			
Drain	1		
Extract	1		
Total time (water fill time not included)	16		



Fig.  
8

## Option card

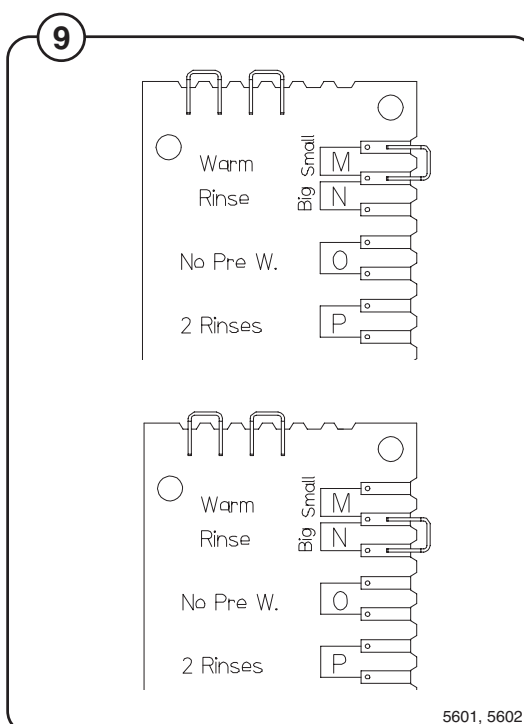
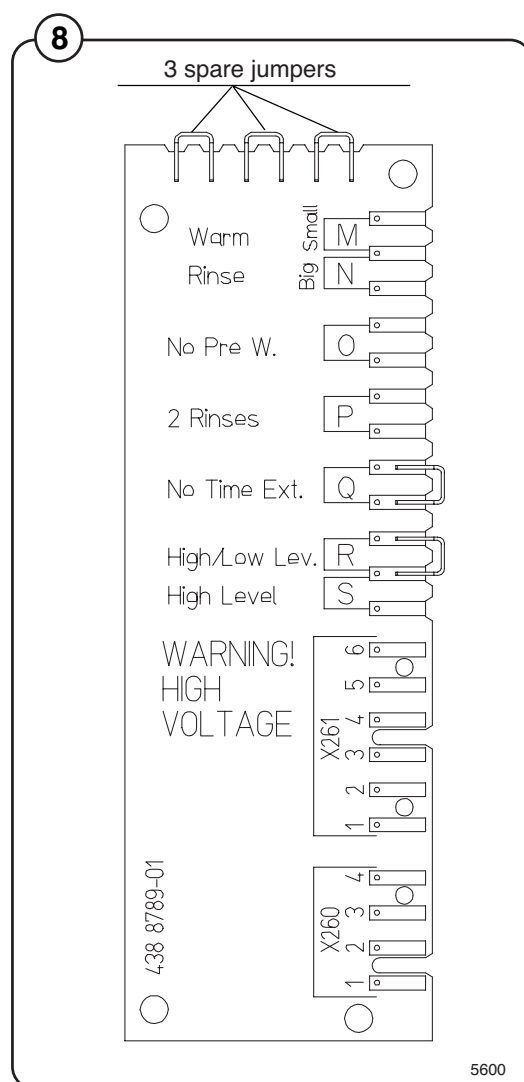
Up to the following machine No.'s:

W620	-520/65403
W630	-595/20756
W640	-650/20444
W655	-725/12139
W675	-795/6075

There are some possibilities to alter the standard parameters in the wash programs by moving or adding jumpers on the option card.

Fig.  
9

- When adding a jumper on N or M gives warm rinses instead of cold. N shall be used on W620, 630 and M on W640, 655 and 675.



## Option card

Fig.  
10

- When adding a jumper on O there will be no prewash in the programs. The timer rapid advances the prewash automatically. Remember that "Delicate" is always without prewash.

Fig.  
11

- When adding a jumper on P there will be two rinses instead of three. The timer rapid advances the first rinse.

Fig.  
12

- If the jumper on Q is removed the main wash will be extended by three minutes to nine minutes instead of six.

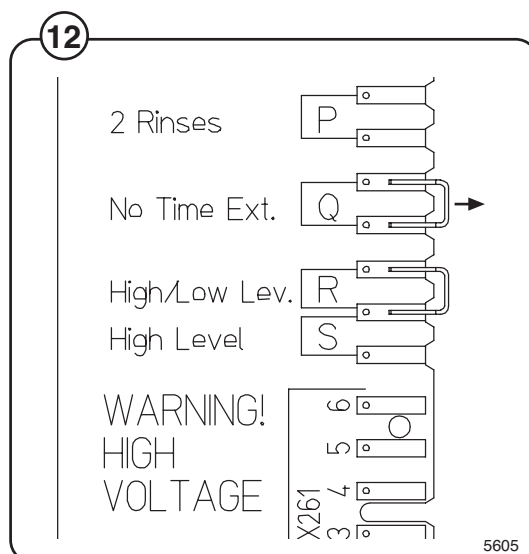
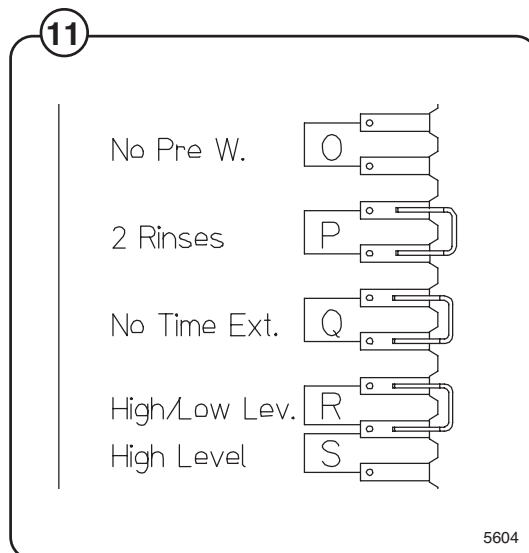
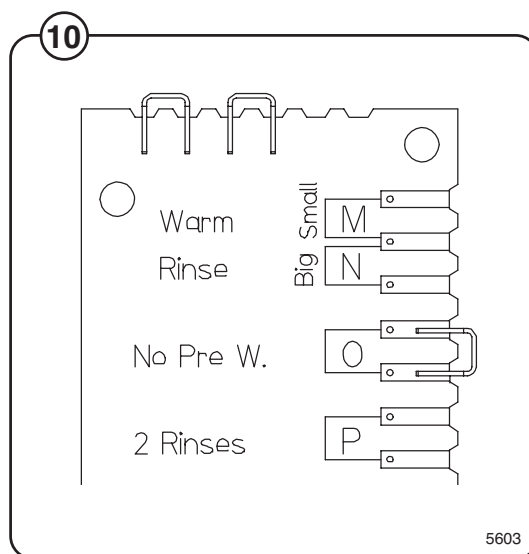
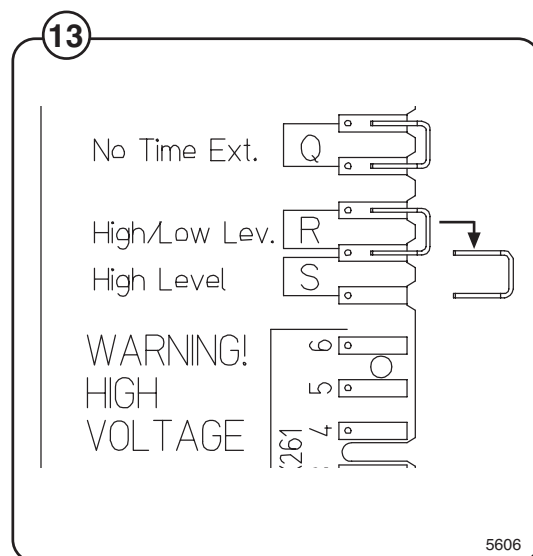


Fig.  
13

- In standard position on R, low level is used in prewash, main wash and high level in rinses. If jumper is moved to S it will be high level also in prewash and mainwash.



### Option card Only Classic Control

From the following machine No.'s:

W620	520/65404-
W630	595/20757-
W640	650/20445-
W655	725/12140-
W675	795/6076-

There are some possibilities to alter the standard parameters in the wash programs by moving or adding jumpers on the option part of the rotary switch.

Fig.  
14

- When adding a jumper on N gives warm rinses instead of cold.

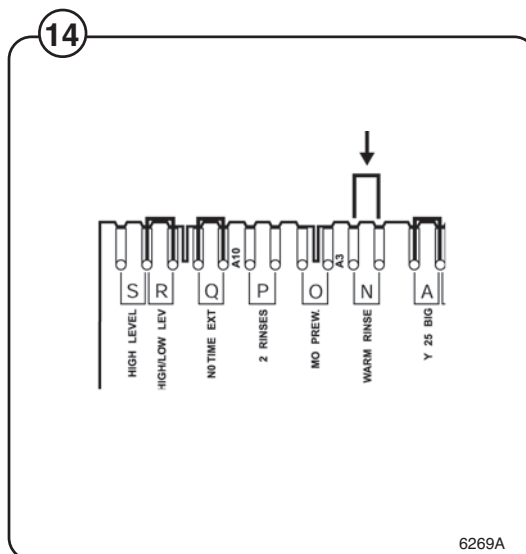


Fig.  
15

- When adding a jumper on O there will be no prewash in the programs. The timer rapid advances the prewash automatically. Remember that "Delicate" is always without prewash.

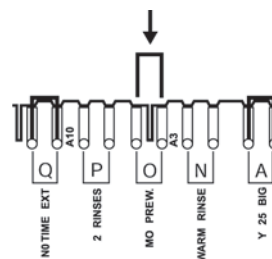
Fig.  
16

- When adding a jumper on P there will be two rinses instead of three. The timer rapid advances the first rinse.

Fig.  
17

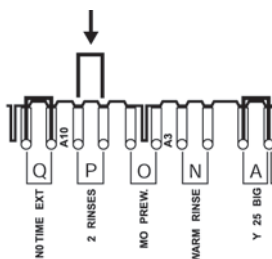
- If the jumper on Q is removed the main wash will be extended by three minutes to nine minutes instead of six.

15



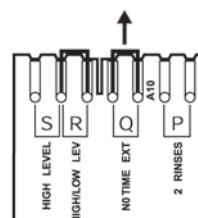
6269 B

16



6269 C

17



6269D

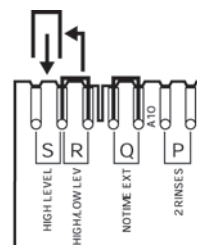
Fig.  
18

- In standard position on R, low level is used in prewash, main wash and high level in rinses. If jumper is moved to S it will be high level also in prewash and mainwash.

Fig.  
19

- Three spare jumpers are mounted on the plate.

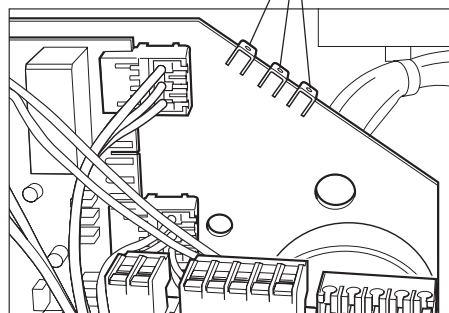
18



6269 E

19

3 spare jumpers



6271

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## Maintenance

### Daily

- Clean the door seal and remove powder residue.
- Check that the door does not leak.
- Clean the detergent compartments and wipe down the machine with a damp cloth.
- Check that the drain valve does not leak.
- Start the machine and check that the door remains locked while the machine is operating. Fast forward the machine to the stop position and check that the door cannot be opened until the program is completed.

### Every month

- Check for leaks in valves, hoses and connections.
- Remove lint or fluff remnants from the drain opening, joints in drain pipes, etc.

### Every third month

Accumulated chemicals on the panel ledges.

- Disconnect electrical power from the machine.
- Turn off the water supply and bleed the pressure from the supply hoses.
- Remove the water supply hoses from the rear of the machine and clean or replace the inlet screens, as needed.
- Thoroughly clean the detergent dispenser.
- Remove the top and front panels from the machine.
- To help prevent corrosion, clean accumulation of detergent and other chemicals from the panels.
- Inspect inside of machine for leaks. Repair as needed.
- Clean the door gasket.
- Reinstall top and front panels.
- Restore power and return the machine to service.

### Service information – Fault tracing

If the machine fails to start, check to ensure that:

- it is turned on at the mains.
- the manual shut-off valves are open.
- a programme has been selected.
- if it is a coin-operated machine, that the correct amount of coins or tokens have been inserted.
- the drum door is locked.

To keep your machine in proper working order, follow the preventive maintenance recommendations provided below.

The maintenance interval should be adjusted according to machine usage. The suggested schedule assumes an 8 hour work day, and a 5 day work week..

### Daily

- Check the door and door lock:
  - Open the door and try starting the machine. The machine **MUST NOT START**.
  - Close the door, start the machine and try opening the door. It **MUST NOT BE POSSIBLE TO OPEN THE DOOR WHILE THE MACHINE IS OPERATING!**
  - Check that the door does not leak.
  - Clean the door seal, removing any detergent and fluff.
- Check that the drain valve does not leak during the wash cycle.
- Clean out any detergent remaining in the detergent compartment. Rapid advance through a program and let the water rinse the compartment.
- Inspect liquid chemical tubing and connections for leaks. Repair as necessary.

### Every third month (refer this service to qualified personnel)



- Check that the door does not leak.
- Check the drain valve and remove any lint.
- Inspect the interior of the machine (during an actual wash cycle to ensure that no leaks are noticed) by:
  - Turning of the main power switch of the machine.
  - Remove the top cover and the protective front and rear plates.
  - Cover the detergent dispenser to prevent water from splashing inside the machine.
  - Start a wash program.
  - **KEEP CLEAR OF MOVING PARTS WHILE MACHINE IS OPERATING!!**



- Inspect all internal hoses, seals and gaskets for signs of leakage. Repair as necessary.
- Check that water inlet screens are clean of debris. Dirty screens result in longer fill times, which reduce productivity.
- Inspect the drive belt. Adjust the tension or replace if necessary (see section 30. Motor).
- Check that there are no signs of leakage on the floor beneath the machine. Locate and repair any leak.
- On heated machines, if the heating time is unusually long, check the heating elements (see section 40. Heating). If the water is very hard, check whether there are lime deposits on the heating elements. Decalcify the elements if necessary. Adapt the amount of deliming agent to the manufacturer's guidelines.
- Never switch on the heating elements when there is no water in the machine. This will cause the slow-blow fuse to trigger.
- Inspect the shock absorbers and coil springs. (Only EX- and H-model).





