

OPERATING MANUAL

DOC. NO. 438.9213-15/04 EDITION 38.2009

W620CC – W675CC SU620CC – SU675CC Compass Control

Operating manual

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Compass 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).

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

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



Intentionally blank



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:

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.

MACHINE MUST NOT BE USED BY CHILDREN

LAS MÁQUINAS NO DEBEN SER USADAS POR NIÑOS

LOCATED AT THE REAR OF THE MACHINE:

INSTALLATION AND

MAINTENANCE WARNINGS – AVERTISSEMENT

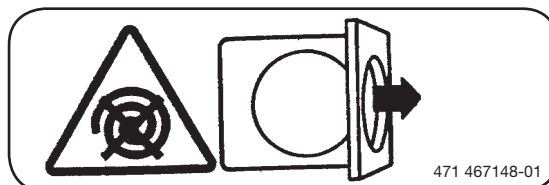
1. This machine **MUST** be securely bolted according to the installation instructions, to reduce the risk of fire and to prevent serious injury, or damage to the machine.
Pour reduire les risques d'incendie, fixer cet appareil sur un plancher beton sans revetement.
2. If installed on a floor of combustible material, the floor area below this machine must be covered by a metal sheet extending to the outer edges of the machine.
3. This machine **MUST** be connected to a dedicated electrical circuit to which no other lightning unit or general purpose receptacle is connected. Use copper conductor only.
Utiliser seulement des conducteurs en cuivre.
4. This machine **MUST** be serviced and operated in compliance with manufacturer's instructions. **CHECK DOOR LOCK 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.**
5. Disconnect power prior to servicing of machine.
Deconnecter cet appareil del'alimentation avant de proceder a l'entretien.
6. To remove top panel, first remove screws at the rear. When remounting the top, reinstall them. To remove the top panel on models on which it is secured by one or two keylocks, use the keys provided in the drum package. Be certain to relock after remounting the top panel.

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

471 766202-04

LOCATED ON THE DOOR:

If you need to order more safety or warning signs, call Wascomat's parts department at 516-371-2000, or call your local dealer.



471 467148-01



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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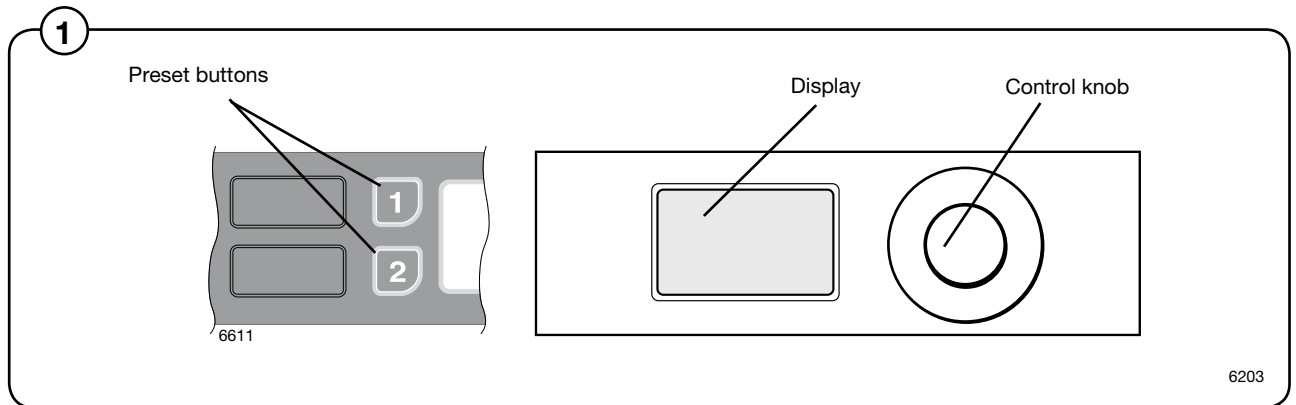
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General

Control panel

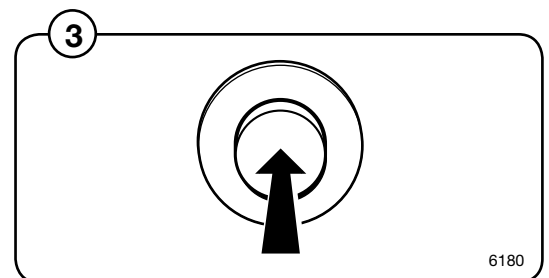
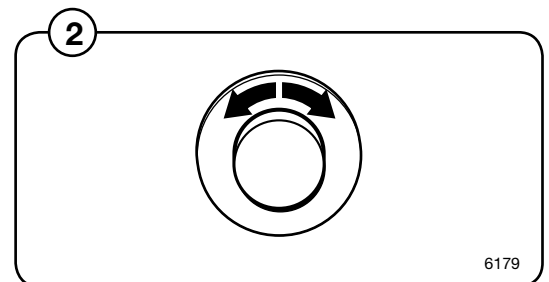
- 1 The control panel is used to choose the wash program and to start and stop the machine. The panel houses a control knob and a display. The machine also has two preset buttons.



Control knob

The control knob is used to select wash program and any other available functions.

- 2 Turn the knob until the required program is shown on the display.
- 3 Confirm your choice by pushing in the knob.



Display

- ④ The display presents the wash programs and additional functions. The up and down arrows on the right-hand side of the display indicate that there are more options available in the current menu. Turn the knob for next program.

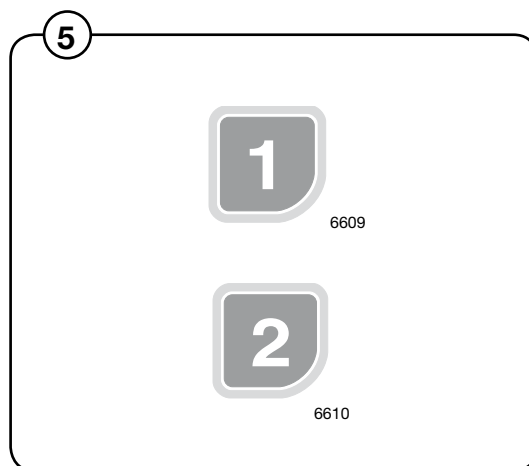
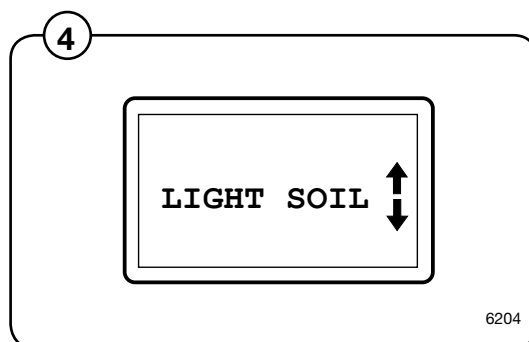
While in operation, the display also shows other information intended for the user.

NOTE!

If there is not enough room to show all the text on the display, the first part will be displayed briefly before the text scrolls to the side to display the second part. This sequence will be repeated as long the text in question is activated.

Preset buttons

- ⑤ The machine is fitted with two buttons for choosing two preset wash programs.
- To activate the preset buttons: enter the service program, see the Programming manual.
- Pushing one of these buttons will activate the corresponding wash program directly and the machine will start automatically if the door has been closed before the button is activated.



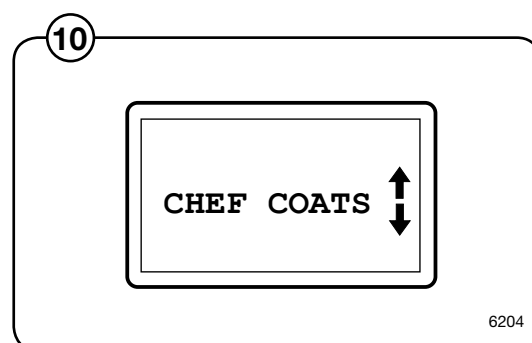
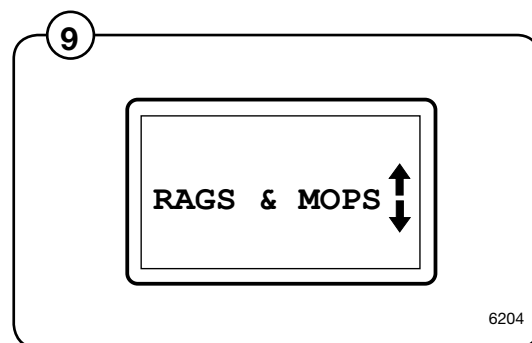
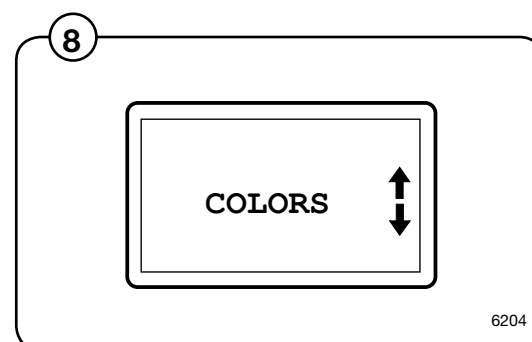
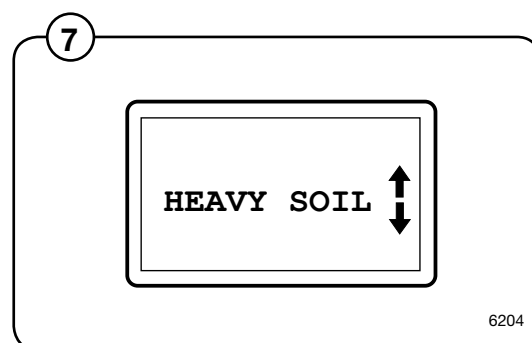
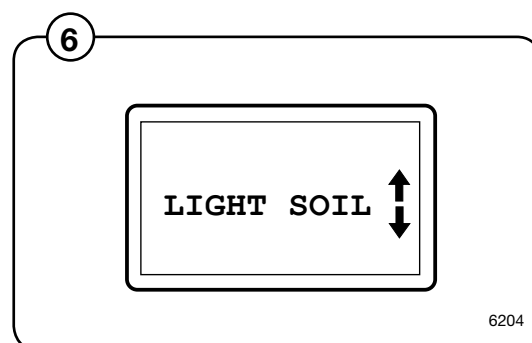
Wash program

The machine is programmed with a number of programs adapted to the range of uses to which the machine is intended.

The machine is loaded with program 1-15, see appendix.

Examples of wash programs available:

- ⑥ Program 1, LIGHT SOIL.
- ⑦ Program 3, HEAVY SOIL
- ⑧ Program 4, COLORS
- ⑨ Program 5, RAGS & MOPS
- ⑩ Program 10, CHEF COATS



Start menu

- ① A start menu will appear on the display once a wash program has been selected. Here, you can complement the selected wash program obtain information on the selected wash program. Refer to the respective headings for more information.

If the selected option may not be used, the text "Function not allowed" will be shown in the display.

Start

The wash program starts immediately after pressing the control knob.

Program time

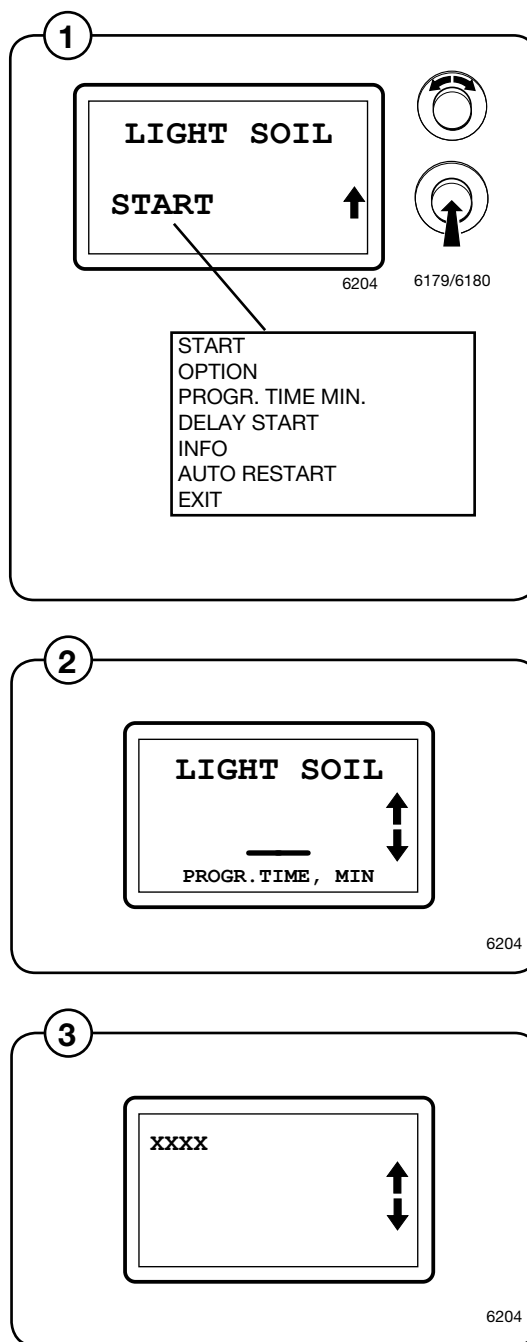
- ② Shows approximate wash time for selected program.

Info

- ③ This menu presents information on the selected wash program.

Exit

Return to the program selection menu.



Washing functions

START

- ① Turn the control knob to the START row. Press the knob to start the selected program.
- ② On machines equipped with preset buttons, the preset wash program can be started with the respective button.

RAPID ADVANCE

- ③ Turn the control knob while the wash program is in progress.
- ④ The different steps of the wash program will be shown on the display. Turn the knob to the desired program step and press. The machine will now jump to the selected step and continue the program from there.

PAUSE

- ⑤ Press the control knob to turn on the pause function. Restart the wash program by pressing the control knob again.

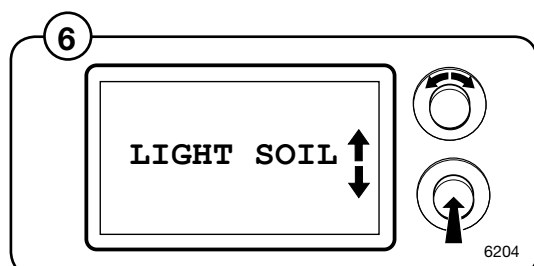
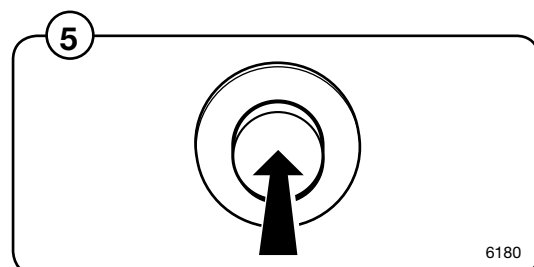
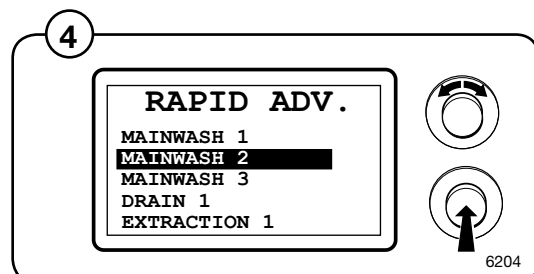
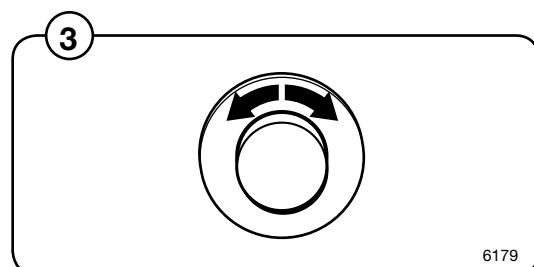
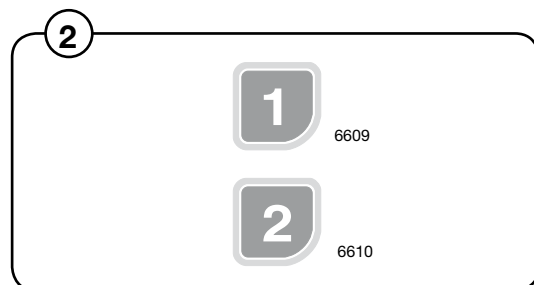
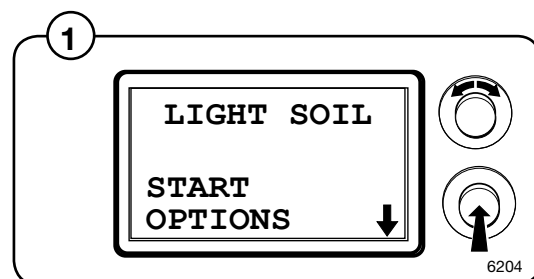
Note!

The door will be locked and the drain valve closed during the pause.




Changing or discontinue a wash program after starting

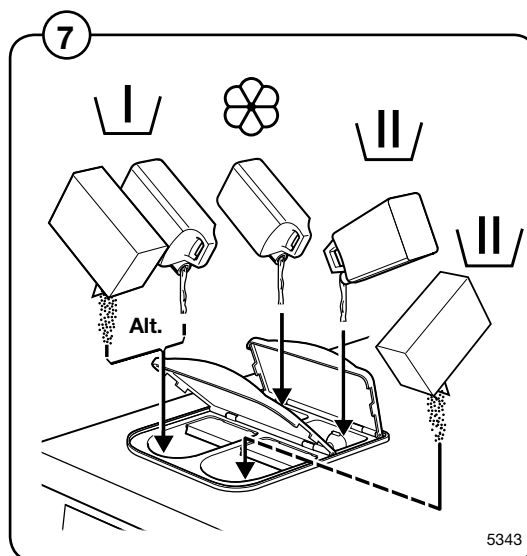
- ⑥ Press the control knob to start the pause function. Turn the control knob for a new menu and select function.

If no program is selected the machine will return to pause after 10 seconds.



Detergent supply

- ⑦  Prewash, powder or liquid detergent, if option "Prewash" has been selected.
-  Main wash. Two compartments, one for powder detergent and one for liquid.
-  Fabric softener, liquid



Remaining time

- ⑧ During the wash, the remaining time for the selected wash program will be shown at the bottom of the display. The time is given in minutes.

To calculate the remaining time, the machine uses a model calculation based on earlier used wash programs.



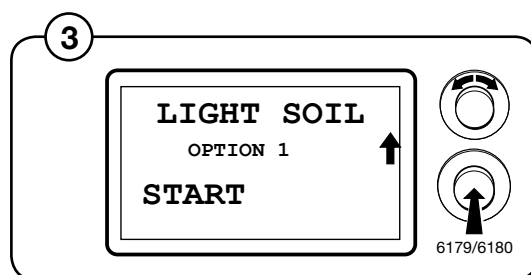
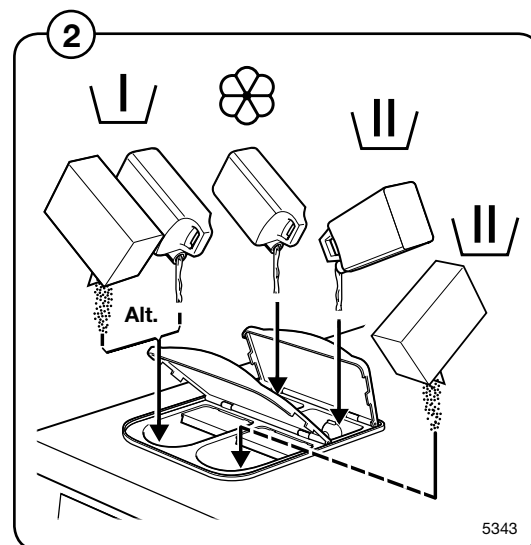
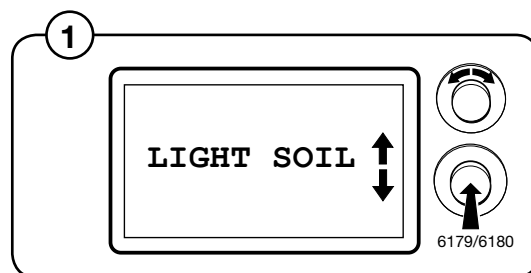
Starting with control knob

- ① • Select the desired wash program with the control knob and confirm by pressing the knob.
- ② • Add the correct amount of detergent and softener.

NOTE!

Refer to the dosages on the detergent packaging. Do not overdose.

- ③ • Select START with the control knob and press the knob.



Starting with preset button

- Empty any pockets.
- Close the door.
- ① • Add the correct amount of detergent and softener.

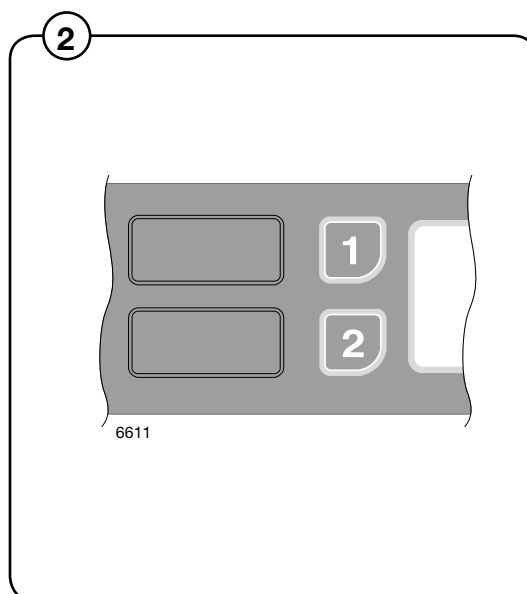
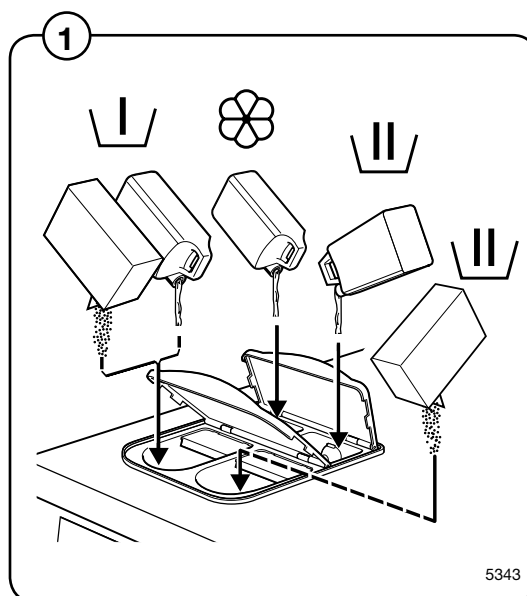
Note!

Refer to the dosages on the detergent packaging. Do not overdose.

- ② • Press the preset button for the desired program.

NOTE!

Pushing one of these buttons will activate the corresponding wash program directly and the machine will start automatically.



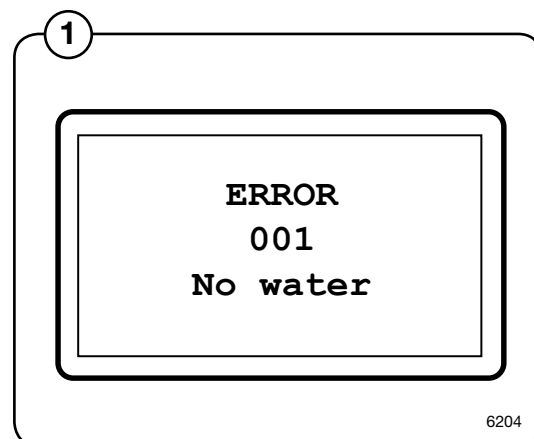
Error messages

- ① A fault in the program or in the machine is indicated by an error message comprising an error code and a descriptive text.

Resetting of error code and restart of washing program can be done by a quick press on the knob. If the error code returns after resetting, a total reset has to be done, by pressing the knob at least 10 seconds. The wash program is then finished and the door can be opened, provided that there is no water left in the drum.

Note!

Some error codes keep the door locked for 5 minutes after resetting. During this time, do not try to start a wash program.



CodeText	Cause/Action
001 NO WATER	Water level acknowledgement not received in time. Make sure the water cocks are open.
002 DOOR OPEN	Door position acknowledgement not received during program. Open and close the door.
003 DOOR LOCK FAIL	Door lock acknowledgement not received in time. Open and close the door.
007 OVERFILLED	Water level above established safety limits during program. Try to restart the machine.
010 DRUM NOT DRAINED	Water above established level after drain. Make sure the drain is not blocked by lint or foam. Try to restart the machine.

For other error messages or repeated error messages, contact service personnel.

Maintenance

Daily

- Clean the door seal from detergent residue.
- Make sure the door is not leaking.
- Clean the detergent supply box and wipe off the machine with a damp rag.
- Make sure the drain valve is not leaking.
- Start the machine and make sure the door is locked during the program. Rapid advance the program to stop and make sure the door cannot be opened until after the program is complete.

Every month

- Check that valves, hoses and connections are not leaking.
- Remove any lint from the drain connection, joints in the drain pipe, etc.

Every third month

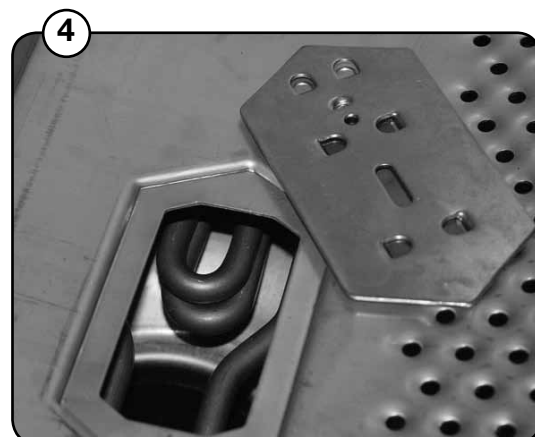
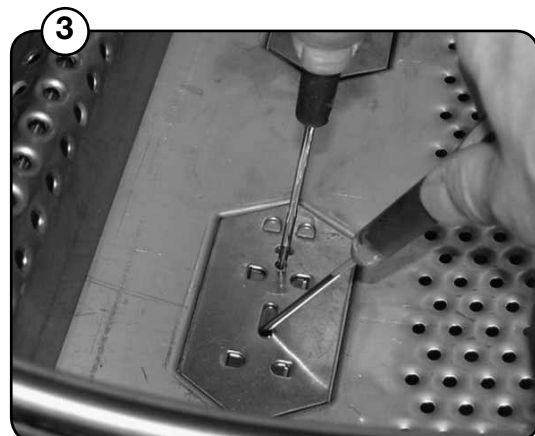
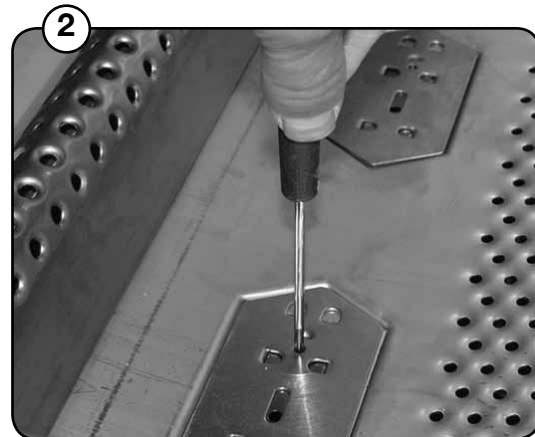
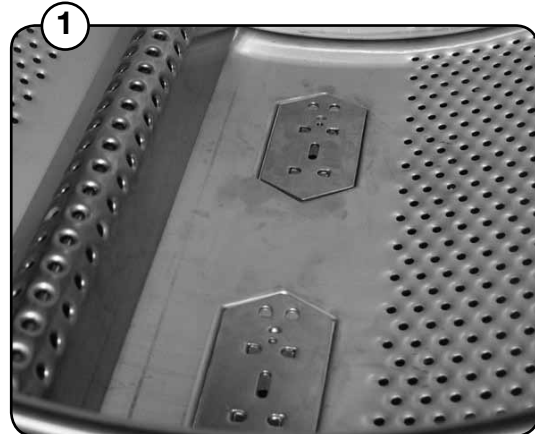
When chemicals have collected on the edges of the panels:

- Turn off power to machine.
- Turn off the water supply and release the pressure from the inlet hoses.
- Remove the water inlet hoses from the back of the machine and clean or change the inlet filter.
- Clean the detergent supply box thoroughly.
- Take off the top and front machine panels.
- Wash away detergent and other chemicals from the panels to stop them rusting.
- Make sure there are no leaks inside the machine. Repair as necessary.
- Clean the seal around the door.
- Refit the top and front panels.
- Deliming. Use a program with high temperature and add a deliming agent, e.g. citric acid.

Every month (only for mop machines)

Cleaning the mop elements

- ①
 - Depending on the size of the machine, you will find one or two core covers in the machine's inner drum so that the elements can be cleaned if so required. The front cover is located directly above the drain, while the other is in front of the element retainer. Two small screwdrivers are required to remove the core cover.
- ②
 - Use a screwdriver to press down on the retaining plate in the round hole on the core cover.
- ③
 - Place the other screwdriver in the oval hole on the core cover and through the round hole in the retaining plate
 - Push the retaining plate towards the screwdriver which is pressing down on the retaining plate.
- ④
 - Remove the core element/elements and clean the elements. If the elements are very dirty, it may be wise to remove the elements from the drum when cleaning them.
 - The core covers are refitted in reverse order, with the difference that it is not necessary to press on the retaining plate; you only need to push the retaining plate back into place. When you hear a clicking sound, the retaining plate is in position.



3S01 Hospitality Wash Programs
Compass Control
October, 2006
(For Hotels and Motels, Restaurants, Retirement Communities,
Schools and Universities, Commercial and Institutional Laundries)

1 Light Soil	6 Delicates	11 Heavy Stains
2 Medium Soil	7 Rinse & Extract	12 General Wash
3 Heavy Soil	8 White VISA	13 Enzymes DB
4 Colors	9 Colored VISA	14 Enzymes D
5 Rags & Mops	10 Chef Coats	15 Test Program

Supply Signal Codes:

- 1 = Detergent
- 2 = Sour
- 3 = Softener
- 4 = Bleach
- 5 = Starch

PROGRAM 1
Light Soil

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS/BLEACH	8	HOT	LOW	SUPPLY 1 & 4
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	30 sec speed 3			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
SOUR/SOFT	4	SPLIT	LOW	SUPPLY 2 & 3
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 2
Medium Soil

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS	7	HOT	LOW	SUPPLY 1
DRAIN	1			
BLEACH	7	HOT	LOW	SUPPLY 4
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	30 sec speed 4			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
SOFT/SOFT	4	SPLIT	LOW	SUPPLY 2 & 3
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 3
Heavy Soil

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS	12	HOT	LOW	SUPPLY 1
DRAIN	1			
FLUSH	2	HOT	HIGH	NONE
DRAIN	1			
BLEACH	12	HOT	LOW	SUPPLY 4
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	30 sec speed 4			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
SOUR/SOFT	4	SPLIT	LOW	SUPPLY 2 & 3
DRAIN	1			
EXTRACT	4			
SHAKEOUT				

PROGRAM 4
Colors

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS	12	COLD	LOW	SUPPLY 1
DRAIN	1			
RINSE	2	COLD	HIGH	NONE
DRAIN	1			
RINSE	2	COLD	HIGH	NONE
DRAIN	1			
EXTRACT	30 sec speed4			
RINSE	2	COLD	HIGH	NONE
DRAIN	1			
SOUR/SOFT	4	COLD	LOW	SUPPLY 2 & 3
DRAIN	1			
EXTRACT	4			
SHAKEOUT				

PROGRAM 5

Rags & Mops

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
SUDS	8	HOT	LOW	SUPPLY 1
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
BLEACH	7	HOT	LOW	SUPPLY 4
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	15 sec speed 2			
RINSE	2	COLD	HIGH	NONE
DRAIN	1			
SOUR/SOFT	4	COLD	LOW	SUPPLY 2 & 3
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 6

Delicates

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS	5	COLD	LOW	SUPPLY 1
DRAIN	1			
RINSE	2	COLD	HIGH	NONE
DRAIN	1			
RINSE	2	COLD	HIGH	NONE
DRAIN	1			
EXTRACT	30 sec speed 3			
SOUR/SOFT	4	SPLIT	LOW	SUPPLY 2 & 3
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 7

Rinse and Extract

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 8
White VISA

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
SUDS	9	HOT	LOW	SUPPLY 1
DRAIN	1			
BLEACH	7	HOT	LOW	SUPPLY 4
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
SOUR	4	SPLIT	LOW	SUPPLY 2
DRAIN	1			
EXTRACT	2			
SHAKEOUT				

PROGRAM 9
Colored VISA

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
SUDS	9	HOT	LOW	SUPPLY 1
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	COLD	HIGH	NONE
DRAIN	1			
SOUR	3	COLD	LOW	SUPPLY 2
DRAIN	1			
EXTRACT	2			
SHAKEOUT				

PROGRAM 10
Chef Coats

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS	5	HOT	LOW	SUPPLY 1
DRAIN	1			
SUDS	8	HOT	LOW	SUPPLY 1
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
BLEACH	7	HOT	LOW	SUPPLY 4
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	15 sec speed 2			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
SOUR/SOFT	4	SPLIT	LOW	SUPPLY 2&3
DRAIN	1			
EXTRACT	4			
SHAKEOUT				

PROGRAM 11
Heavy Stains

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS/BLEACH	30	HOT	LOW	SUPPLY1& 4
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
BLEACH	7	HOT	LOW	SUPPLY 4
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	15 sec speed 2			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 12
General Wash

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS/BLEACH	9	HOT	LOW	SUPPLY 1&4
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
SOUR/SOFT	4	SPLIT	LOW	SUPPLY 2&3
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 13
Enzymes DB

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS	12	HOT	LOW	SUPPLY 1
DRAIN	1			
BLEACH	8	HOT	LOW	SUPPLY 4
DRAIN	1			
RINSE	3	SPLIT	HIGH	NONE
DRAIN	1			
Intermediate Xtract 30 sec speed 3				
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 14
Enzymes D

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS	15	HOT	LOW	SUPPLY 1
DRAIN	1			
RINSE	3	SPLIT	HIGH	NONE
DRAIN	1			
Intermediate Xtract	30 sec speed 3			
RINSE	3	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 15

Test Program

Program 15 is a test program. The test program should be run whenever you start-up a machine and after performing service and troubleshooting to be sure it is operating properly. This is the test program, step-by-step:

1. Fill to low level with cold water, no drum rotation.
2. When low level is reached, rotate 90 seconds with normal action (15 seconds rotation, 4 seconds pause, then reverse direction and repeat). After 90 seconds normal action, stop rotation. No drain.
3. Continue to fill to high level with hot water with no drum rotation.
4. When high level is reached, rotate for 90 seconds with gentle action (6 seconds rotation, 18 seconds pause, then reverse direction and repeat). After 90 seconds gentle action, stop rotation.
5. Drain with gentle action.
6. Fill to high level with cold and hot water with normal action. When high level is reached, proceed to step 7 with normal action.
7. Supply signals 1, 2, 3, 4, and 5, on simultaneously for 60 seconds. Check for 220V between terminals 1, 2, 3, 4, 5, and C.
8. Drain with normal action.
9. Extract 2 minutes. On two-speed models, first go to distribution speed, and then extract 2 minutes at both low and high speeds.
10. Fill to low level with cold water with normal action. When low level is reached, rotate 30 seconds with normal action.
11. Drain. End of test program.

3S02 HEALTHCARE PROGRAMS
Compass Control
October, 2006
(For Nursing Homes, Hospitals and Medical Centers)

1 Light Soil	6 Diapers	11 Color Blends
2 Medium Soil	7 Split Temps	12 Extra Heavy Soil
3 Heavy Soil	8 Rags & Mops	13 Enzymes D
4 Colors Lt Soil	9 Heavy Stains	14 Enzymes DB
5 White Towels	10 Blends	15 Test Program

Supply Signal Codes:

- 1 = Detergent
- 2 = Sour
- 3 = Softener
- 4 = Bleach
- 5 = Starch

2009-02-13

PROGRAM 1
Light Soil

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
Automatic Weighing System AWS				
SUDS/BLEACH	6	HOT	LOW	SUPPLY 1 & 4
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	30s speed 3			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
SOUR/SOFT	4	SPLIT	LOW	SUPPLY 2 & 3
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 2
Medium Soil

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
Automatic Weighing System AWS				
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
SUDS	7	HOT	LOW	SUPPLY 1
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	30s speed 3			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
SOFT	4	SPLIT	LOW	SUPPLY 2 & 3
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 3
Heavy Soil

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
Automatic Weighing System AWS				
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
SUDS (NO DRAIN)	7	HOT	LOW	SUPPLY 1
CHEATER RINSE	1	HOT	HIGH	NONE
DRAIN	1			
BLEACH	7	HOT	LOW	SUPPLY 4
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	15 s speed 2			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
SOUR/SOFT	4	SPLIT	LOW	SUPPLY 2 & 3
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 4
Colors- L(igh)t Soil

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
Automatic Weighing System AWS				
FLUSH	3	SPLIT	HIGH	NONE
DRAIN	1			
SUDS	7	HOT	LOW	SUPPLY 1
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	30 s speed 3			
SOUR/SOFT	4	SPLIT	LOW	SUPPLY 2 & 3
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 5
White Towels

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
Automatic Weighing System AWS				
FLUSH	3	SPLIT	HIGH	NONE
DRAIN	1			
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
SUDS	7	HOT	LOW	SUPPLY 1
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
BLEACH	7	HOT	LOW	SUPPLY 4
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	1 min speed 4			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
SOUR/SOFT	4	SPLIT	LOW	SUPPLY 2 & 3
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 6
Diapers

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
FLUSH	3	SPLIT	HIGH	NONE
DRAIN	1			
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
SUDS	7	HOT	LOW	SUPPLY 1
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
BLEACH	7	HOT	LOW	SUPPLY 4
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	1 min speed 4			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
SOUR/SOFT	4	SPLIT	LOW	SUPPLY 2 & 3
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 7
Split Temps

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS	5	SPLIT	HIGH	SUPPLY 1
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	30 sec speed 3			
SOUR/SOFT	4	SPLIT	LOW	SUPPLY 2 & 3
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

(This wash formula uses gentle action only - 6 seconds rotation and 18 seconds pause, before reversing direction and repeating.)

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PROGRAM 8
Mops & Rags

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
SUDS	7	HOT	LOW	SUPPLY 1
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
BLEACH	7	HOT	LOW	SUPPLY 4
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 9
Heavy Stains

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS/ BLEACH	30	HOT	LOW	SUPPLY 1 & 4
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	30 sec speed 3			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 10
Blends

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
SUDS	9	HOT	LOW	SUPPLY 1
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
BLEACH	7	HOT	LOW	SUPPLY 4
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	30 sec speed 3			
SOUR	4	SPLIT	LOW	SUPPLY 2
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 11
Color Blends

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
SUDS	9	HOT	LOW	SUPPLY 1
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	30 sec speed 3			
SOUR	4	SPLIT	LOW	SUPPLY 2
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 12
Extra Heavy Soil

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS (NO DRAIN)	3	HOT	LOW	SUPPLY 1
CHEATER RINSE	2	HOT	HIGH	NONE
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
SUDS	7	HOT	LOW	SUPPLY 1
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
BLEACH	7	HOT	LOW	SUPPLY 4
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
SOUR	4	SPLIT	LOW	SUPPLY 2
DRAIN	1			
EXTRACT	5			

SHAKEOUT

PROGRAM 13
Enzymes D

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS	15	HOT	LOW	SUPPLY 1
DRAIN	1			
RINSE	3	SPLIT	HIGH	NONE
DRAIN	1			
Intermediate Xtract 30 sec speed 3				
RINSE	3	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

2009-02-13

PROGRAM 14
Enzymes DB

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS	12	HOT	LOW	SUPPLY 1
DRAIN	1			
BLEACH	8	HOT	LOW	SUPPLY 4
DRAIN	1			
RINSE	3	SPLIT	HIGH	NONE
DRAIN	1			
Intermediate Xtract 30 sec speed 3				
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 15

Test Program

Program 15 is a test program. The test program should be run whenever you start-up a machine and after performing service and troubleshooting to be sure it is operating properly. This is the test program, step-by-step:

1. Fill to low level with cold water, no drum rotation.
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3. Continue to fill to high level with hot water with no drum rotation.
4. When high level is reached, rotate for 90 seconds with gentle action (6 seconds rotation, 18 seconds pause, then reverse direction and repeat). After 90 seconds gentle action, stop rotation.
5. Drain with gentle action.
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7. Supply signals 1, 2, 3, 4, and 5, on simultaneously for 60 seconds. Check for 220V between terminals 1, 2, 3, 4, 5, and C.
8. Drain with normal action.
9. Extract 2 minutes. On two-speed models, first go to distribution speed, and then extract 2 minutes at both low and high speeds.
10. Fill to low level with cold water with normal action. When low level is reached, rotate 30 seconds with normal action.
11. Drain. End of test program.

