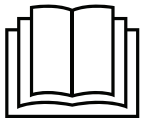
User Manual

Washer extractor

EED–618, EED–620, EED–625, EED–630, EED–645, EED–665, EED–685
Compass Pro

Type W3....



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

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

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.	

Intertek

IMPORTANT SAFETY INSTRUCTIONS

WARNING -

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

1. Read all instructions before using the appliance.
2. This machine must be securely bolted to an uncovered concrete floor.
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.
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.
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.
6. Under certain conditions, hydrogen gas may be produced in a hot-water system that has not been used for 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 thes time.
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.
8. Before the appliance is removed from service or discarded, remove the door.
9. Do not reach into the appliance if the tub is moving.
10. Do not install or store this appliance where it will be exposed to the weather.
11. Do not tamper with controls.
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.
13. Changing of fuses inside the washing machine may only be carried out by authorized personnel.
14. This machine MUST be connected to a dedicated electrical circuit to which no other lighting unit or general purpose receptacle is connected. Use copper conductior only.

NOTICE TO: OWNERS, OPERATORS AND DEALERS

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. 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.

2. **Check the door safety interlock, as follows:**

   a. OPEN THE DOOR of the machine and attempt to start in the normal manner:

   For coin-operated models, insert the proper coins to start the machine.

   For manually operated models, place the ON-OFF switch in the ON position and press the Start switch.

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 replaced.

3. DO NOT UNDER ANY CIRCUMSTANCES ATTEMPT TO BYPASS OR REWIRE ANY OF THE MACHINE 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.

   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!

NOTICE TO INSTALLER

Improper installation of this machine:

- May cause serious damage to the machine.
- May result in other property damage.
- May cause personal injury.
- Will void the manufacturer's warranty.

Improper fastening of this machine to its foundation, inferior foundation materials, an undersized foundation, the use of fabricated steel bases not provided by Electrolux Professional or its approved supplier(s), the use of an improper type, number, or size of mounting bolts, or failure to use proper hardware on mounting bolts may result in damage to the machine that will not be covered by the manufacturer's warranty.

Connection to line Voltage or over-current protection devices other than those specified on the data plate may result in severe damage to machine components, and will void the manufacturer's warranty.

Refer to complete installation instructions provided in manuals accompanying the machine.

Contact Electrolux Professional Technical Support with any questions BEFORE installing this machine. Damage resulting from inadequate installation materials or improper installation techniques will void the manufacturer's warranty.

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The manufacturer reserves the right to make changes to design and component specifications.

1 Safety Precautions

- Servicing shall be carried out only by authorized personnel.
- Only authorized spare parts, accessories and consumables shall be used.
- Only use detergent intended for water-wash of textiles. Never use dry cleaning agents.
- The machine shall be connected with new water hoses. Re-used water hoses must not be used.
- The machine's door lock must under no circumstances be bypassed.
- If the machine develops a fault, this must be reported to the person in charge as soon as possible. This is important both for your safety and that of others.
- DO NOT MODIFY THIS APPLIANCE.
- When performing service or replacing parts, the power must be disconnected.
- When the power is disconnected, the operator must see that the machine is disconnected (that the plug is removed and remains removed) from any point to which he has access. If this is not possible, due to the construction or installation of the machine, a disconnection with a locking system in the isolated position shall be provided.
- In accordance with the wiring rules: mount a multi-pole switch prior to the machine to facilitate installation and service operations.
- If different rated voltages or different rated frequencies (separated by a /) are stated at the machine data plate, instructions for adjusting the appliance for operation at the required rated voltage or rated frequency are stated in the installation manual.
- Stationary appliances not fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under overvoltage category III, means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.
- The openings in the base, shall not be obstructed by a carpet.
- Maximum mass of dry cloth: EED-618: 8.5 kg / 19 lbs, EED-620: 9.5 kg / 21 lbs, EED-625: 11.5 kg / 25 lbs, EED-630: 14.5 kg / 32 lbs, EED-645: 21 kg / 46 lbs, EED-665: 29.5 kg / 65 lbs, EED-685: 38.5 kg / 85 lbs.
- A-weighted emission sound pressure level at working stations:
  - Wash: EED-618: <70 dB(A), EED-620: <70 dB(A), EED-625: <70 dB(A), EED-630: <70 dB(A), EED-645: <70 dB(A), EED-665: <70 dB(A), EED-685: <70 dB(A).
  - Extraction: EED-618: <70 dB(A), EED-620: <70 dB(A), EED-625: <70 dB(A), EED-630: <70 dB(A), EED-645: <70 dB(A), EED-665: <70 dB(A), EED-685: <70 dB(A).
- Maximum inlet water pressure: 1000 kPa / 145 psi
- Minimum inlet water pressure: 50 kPa / 8 psi

1.1 General safety information

The machine is only intended for water-wash use.

Do not hose down the machine with water.

In order to prevent damage to the electronics (and other parts) that may occur as the result of condensation, the machine should be placed in room temperature for 24 hours before being used for the first time.

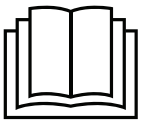
1.2 Commercial use only

The machine/machines covered by this manual is/are made for commercial and industrial use only.

1.3 Copyright

This manual is intended solely for consultation by the operator and can only be given to third parties with the permission of Electrolux Professional AB company.

1.4 Symbols

	Caution
	Caution, high voltage
	Read the instructions before using the machine

2 Warranty terms and exclusions

If the purchase of this product includes warranty coverage, warranty is provided in line with local regulations and subject to the product being installed and used for the purposes as designed, and as described within the appropriate equipment documentation.

Warranty will be applicable where the customer has used only genuine spare parts and has performed maintenance in accordance with Electrolux Professional AB user and maintenance documentation made available in paper or electronic format.

Electrolux Professional AB strongly recommends using Electrolux Professional AB approved cleaning, rinse and descaling agents to obtain optimal results and maintain product efficiency over time.

The Electrolux Professional AB warranty does not cover:

- service trips cost to deliver and pick up the product;
- installation;
- training on how to use/operate;
- replacement (and/or supply) of wear and tear parts unless resulting from defects in materials or workmanship reported within one (1) week from the failure;
- correction of external wiring;
- correction of unauthorized repairs as well as any damages, failures and inefficiencies caused by and/or resulting from;
  - insufficient and/or abnormal capacity of the electrical systems (current/voltage/frequency, including spikes and/or outages);
  - inadequate or interrupted water supply, steam, air, gas (including impurities and/or other that does not comply with the technical requirements for each appliance);
  - plumbing parts, components or consumable cleaning products that are not approved by the manufacturer;
  - customer’s negligence, misuse, abuse and/or non-compliance with the use and care instructions detailed within the appropriate equipment documentation;
  - improper or poor: installation, repair, maintenance (including tampering, modifications and repairs carried out by third parties not authorized third parties) and modification of safety systems;
  - Use of non-original components (e.g.: consumables, wear and tear, or spare parts);
  - environment conditions provoking thermal (e.g. overheating/freezing) or chemical (e.g. corrosion/oxidation) stress;
  - foreign objects placed in- or connected to- the product;
  - accidents or force majeure;
  - transportation and handling, including scratches, dents, chips, and/or other damage to the finish of the product, unless such damage results from defects in materials or workmanship and is reported within one (1) week of delivery unless otherwise agreed;
- product with original serial numbers that have been removed, altered or cannot be readily determined;
- replacement of light bulbs, filters or any consumable parts;
- any accessories and software not approved or specified by Electrolux Professional AB.

Warranty does not include scheduled maintenance activities (including the parts required for it) or the supply of cleaning agents unless specifically covered within any local agreement, subject to local terms and conditions.

Check on Electrolux Professional AB website the list of authorized customer care.

3 Program description

3.1 General

The machine is equipped with a number of programs adapted to the range of use to which the machine is intended — different segments use different programs.

It is recommended to follow the care labelling of the garment as far as possible.

3.2 Program description

The following table shows some examples of available programs:

Program
COLD AWS
WARM AWS
HOT AWS
DELICATES

The following table shows some examples of available programs used on coin operated machines:

Program
COLD
WARM
HOT
QUICK WASH
DELICATE

3.3 Option buttons

The following table shows the available options and a short description of those:

Option button		Description
	HEAVY SOIL	Long wash for heavy soiled textiles.
	EXTRA RINSE	One rinse is added.

4 Handling

4.1 Load

Load the goods into the machine according to recommendations and close the door.

Recommended maximum load	
EED-618	8 kg / 18 lbs
EED-620	9 kg / 20 lbs
EED-625	11 kg / 25 lbs
EED-630	14 kg / 30 lbs
EED-645	20 kg / 45 lbs
EED-665	28 kg / 62 lbs
EED-685	35 kg / 77 lbs

4.2 Detergent

Add the correct amount of detergent, bleach and softener according to recommendations.
(Not valid if automatic dosing is used).

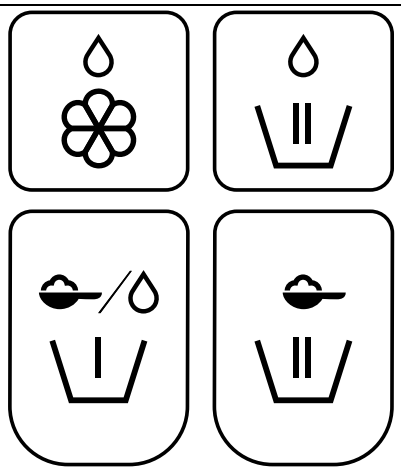
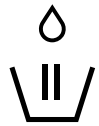


fig.X00963

	Softener, liquid.
	Main wash, liquid chemicals. Alt. for mop machines, liquid mop chemicals in last rinse.
	Pre-wash, powder or liquid detergent.
	Main wash, powder detergent.

Note!

Make sure no detergent spills out on the floor causing risk of slipping and falling.

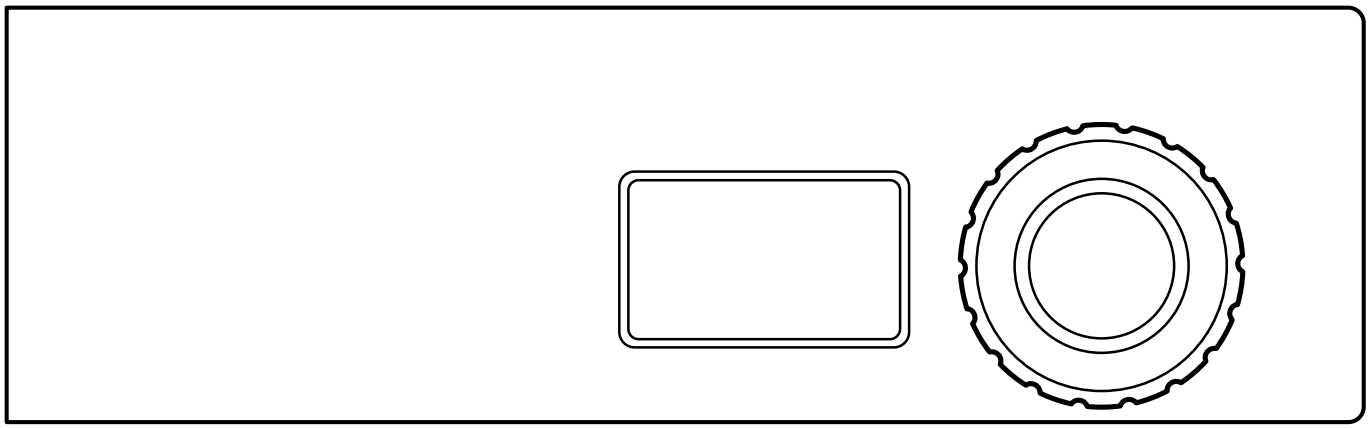
Note!

If bleach is used, be careful when handling liquid bleach. Take care when opening the detergent container and when filling the compartment with liquid bleach. Avoid splashing due to the risk of getting liquid bleach in your eyes.

4.3 How to start the machine

This manual cover different types of machine models. Check the panel on your machine and follow the description for your type of machine.

4.3.1 OPL



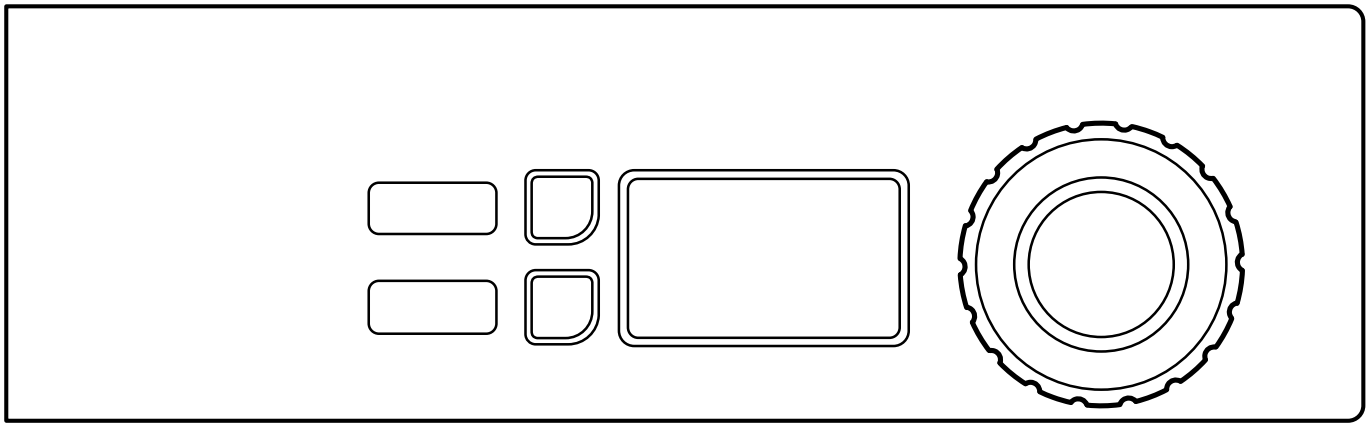
Select program by turning the control knob.

Example of programs
COLD AWS
WARM AWS
HOT AWS
DELICATES

Start the machine by pressing the control knob.

The machine will start by weighing the load with an extraction. The program will then adapt to the load to give an optimal result. (Only on certain programs / machines).

4.3.2 Coin operated machines



Select program by turning the control knob.

It is also possible to select options.

Note!

Some programs do not allow options.

Example of programs	Options	
COLD WARM HOT QUICK WASH DELICATE		HEAVY SOIL
		EXTRA RINSE

Insert correct amount of coins to start the machine. (On some machines you also need to press the control knob to start the machine).

4.4 Additional functions

There is a menu with additional functions available for selection after start. When pressing the control knob / start button (on machines without control knob) the menu will appear on the display.
Select from the menu by turning the control knob / pressing the temperature button/-s and press the control knob / start button to activate.

Note!

Some of the functions may not be available or active on your machine.

Stop function

If the machine is programmed with this function, it is possible to stop the machine during program run by pressing the control knob.

When pressing the control knob again the program will continue.

Pause

It is possible to pause an ongoing program.

Select PAUSE and activate.

When pressing the control knob / start button again the program will continue.

The door can be opened after a short while if the water level is not too high. Close the door and press the control knob / start button to continue.

Changing a program after start

It is possible to change a program after start.

Select CHANGE PROGRAM and activate.

When pressing the control knob / start button the program menu will be displayed. Select a new program and start by pressing the control knob / start button.

Rapid advance

Select RAPID ADVANCE and activate.

When pressing the control knob / start button a list with all program steps will be displayed. Select desired program step from the list by turning the control knob / pressing the temperature button/-s and press the control knob / start button to activate.

End a program

It is possible to end a program after start.

Select END PROGRAM and activate.

When pressing the control knob / start button the program will be ended. When the water is drained the door will be unlocked.

Delayed start

If the machine has this function, it is possible to delay the start of a program.

After program selection, press the control knob / start button. A menu will appear on the display. Turn the control knob / press the temperature button/-s to activate the function. Set the day and time for the delayed start with the control knob / pressing the temperature button/-s.

Press the control knob / start button to confirm the settings.

Status

Select STATUS MENU and activate.

The status menu shows the status for water temperature, water level and drum speed for the machine.

Statistics

Select STATISTICS and activate.

The statistics menu shows total run hours and trip run hours for the machine.

Auto restarts

Select AUTO RESTARTS and activate.

Set the number of automatic restarts that the machine will perform of the selected program.

Press the control knob / start button to confirm the settings.

4.5 When program has ended

Leave the door open when ready. This is to prevent that moisture stays in the machine and develop bacteria and mould.

5 Timer

The timer is used to start a part of the program (for example the last rinse of the udder cloth program) after pause on a pre-set time. The time can be set for all days or for selected days.

To program the timer you need to activate the machines service mode.

The service mode is activated by a long press on the control knob.

SERVICE MENU
FUNCTION TEST
CONFIGURATION
PRICE PROGRAMMING
STATISTICS
PROGRAM PARAMETERS
SYSTEM

The following menus are activated by a short press on the control knob.

Activate the PROGRAM PARAMETERS menu.

SERVICE MENU
FUNCTION TEST
CONFIGURATION
PRICE PROGRAMMING
STATISTICS
PROGRAM PARAMETERS
SYSTEM

Activate the SET START AFTER PAUSE menu.

Activate the ADD NEW OCCASION menu.

The display will now show the following submenus:

- BACK
- TIME
- ENABLED
- ALL DAYS
- MONDAY
- TUESDAY
- WEDNESDAY
- THURSDAY
- FRIDAY
- SATURDAY
- SUNDAY
- REMOVE OCCASION

Activate the TIME menu to program the time. Set the time by turning the control knob and save when ready.

Select from the list and activate the day/days one by one by pressing the control knob. A filled square indicates that the day is activated.

Press BACK to exit and save the changes by selecting YES.

Example:
The program is started the day before and will pause before the last rinse.
If the time is set to 04.00 and ALL DAYS is activated, this means that the last rinse on the program will be started at 04.00 all days of the week.

When saved, the programmed time — occasion, will be listed in the SET START AFTER PAUSE menu as a new row.

It is possible to program several times — occasions on the same day.

Up to 10 occasions can be saved in the list.

Press ENABLED to activate or deactivate the selected occasion.

Press REMOVE OCCASION to delete the selected occasion.

6 Error codes

A fault in the program or in the machine is indicated by an error code on the display.

Some of these error codes can be solved easily without contacting service personnel.

Error code	Text	Cause/Action
11:1	NO WATER	Water level acknowledgement not reached in time. Check that the water taps are open.
11:2	DOOR OPEN	Door position acknowledgement not received during program. Open and close the door.
11:3	DOOR LOCK FAIL	Door position acknowledgement not received in time. Open and close the door.
11:10	DRUM NOT DRAINED	Water level above established level after drain. Check that the drain is not blocked. Try to restart the machine.

For other error codes or repeated error codes, disconnect the power for 30 seconds. If the error code keeps coming back, contact authorized service personnel.

7 Maintenance

7.1 General

It is the responsibility of the owner of the machine/the laundry manager to make sure that maintenance is periodically performed.

Note!
Lack of maintenance may deteriorate the performance of the machine and may cause damage to components.

7.2 Time for maintenance

When the display is showing the message TIME FOR MAINTENANCE — contact the owner of the machine/the laundry manager to perform maintenance (if available, a telephone number and/or a tag will also be displayed).

The machine can be used meanwhile. However, the message will keep coming back until the service is performed.

The message will disappear after about 30 seconds or if the control knob or any button is pressed.

7.3 Every day

Check that the door is locked during a program. Make sure the door cannot be opened until after the program is complete.

If the door can be opened before program end, the machine must be placed out of order until repairs are made.

Check that the door does not leak.

Clean the door, door glass and door gasket.

Clean the external parts.

	Correct use For all surfaces	Use mild cleaning agents, follow daily cleaning schedules, wipe with soft cloths and rinse thoroughly.
	Incorrect use For painted surfaces	**Do not use** polishing agents, abrasive cleaners, bleach or acid descalers.
	Incorrect use For stainless steel surfaces	**Do not use** chlorine bleach, muriatic acid, steel wool, wire brushes or strong clorides.

Read more details in the section “Cleaning recommendations”.

7.4 Detergent container

Clean the detergent container at regular basis to avoid that it is being clogged by detergent residue. Clean with hot water and for example a small brush.

Carefully pull out the siphons (A) and make sure to also clean the surrounding area. Refit the siphons when ready and then over fill some water into both compartments (A) to flush the compartments.

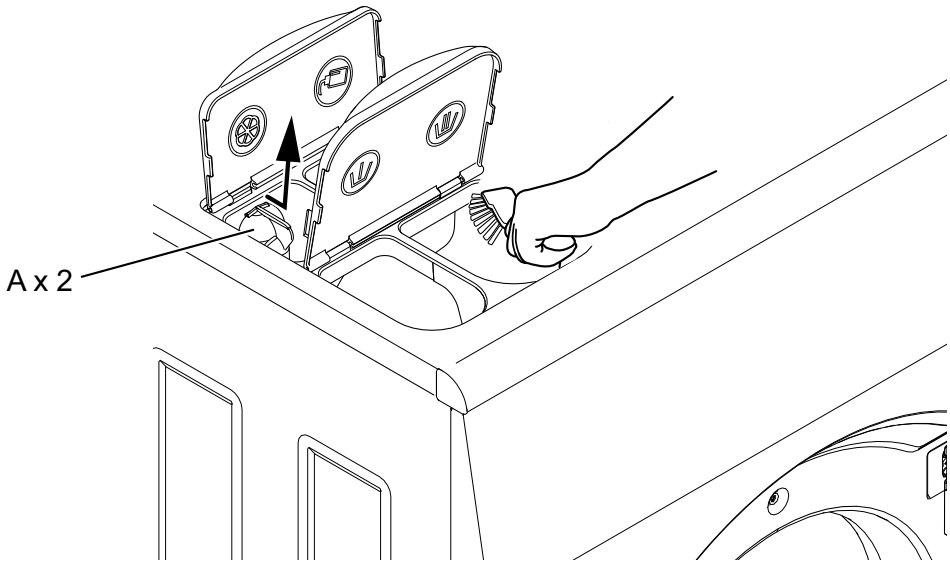


fig.X01622B

7.4.1 Deliming

When deliming is needed:

Use the special machine cleaning program. If it is not available, contact authorized service personnel to get access to the program.

It is also possible to use a program with high temperature, 95°C, for deliming. Add a deliming agent, for example citric acid.

7.5 Drain

At regular basis, check the drain connection, joints in the drain pipe etc and remove any lint and dust. Clean with for example a small brush. When remounting, make sure the connections are tight.

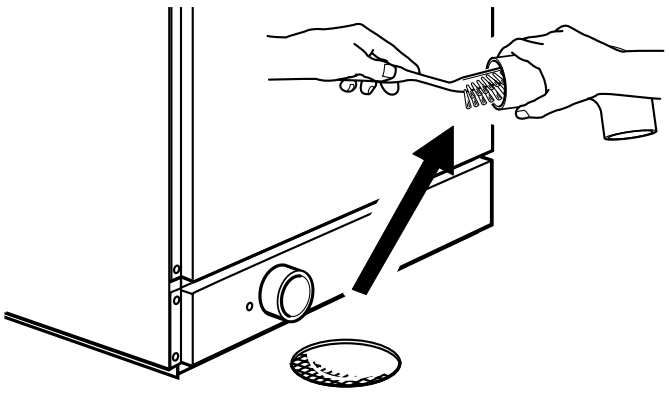


fig.6998A

Note!

Contact qualified service personnel to perform maintenance on the internal drain and hoses once a year.

7.6 Water inlet

At regular basis, check the filter at the water inlet. Clean if necessary.

Demount the hose to the water inlet and pull out the filter (A).

When remounting, make sure the filter is in position and that the connections are tight.

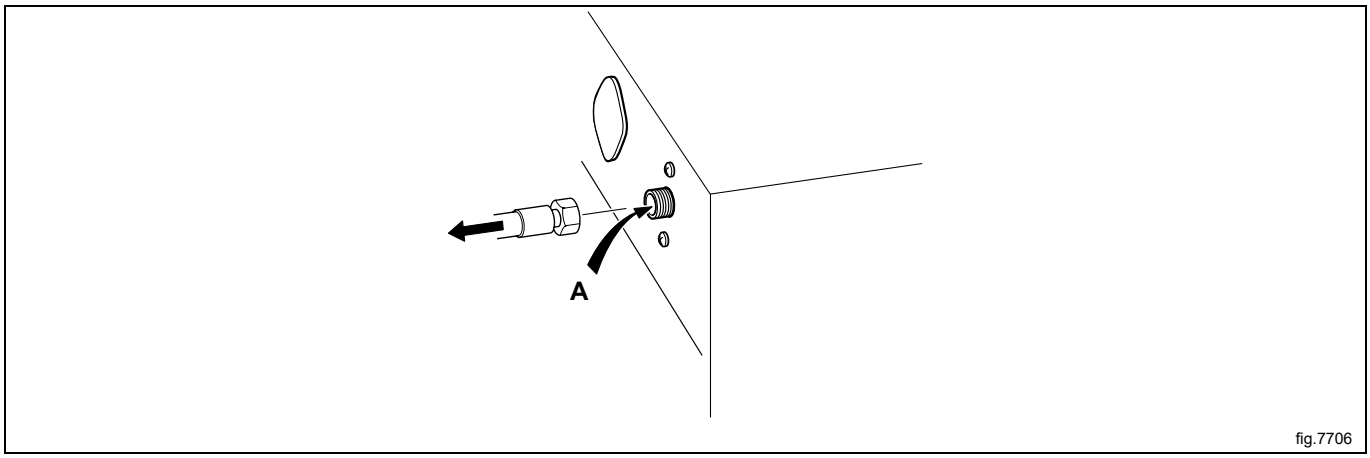


fig.7706

7.7 Cleaning the mop elements

(Only valid for mop machines).

At regular basis, check the mop elements and clean if necessary.

In the inner drum, there is one or two core covers to the heating elements depending on the size of the machine. The front cover is located directly above the drain and the other is in front of the element retainer. Two small screwdrivers are required to remove the core cover.

Use a screwdriver to press down on the retaining plate in the round hole on the core cover.

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.

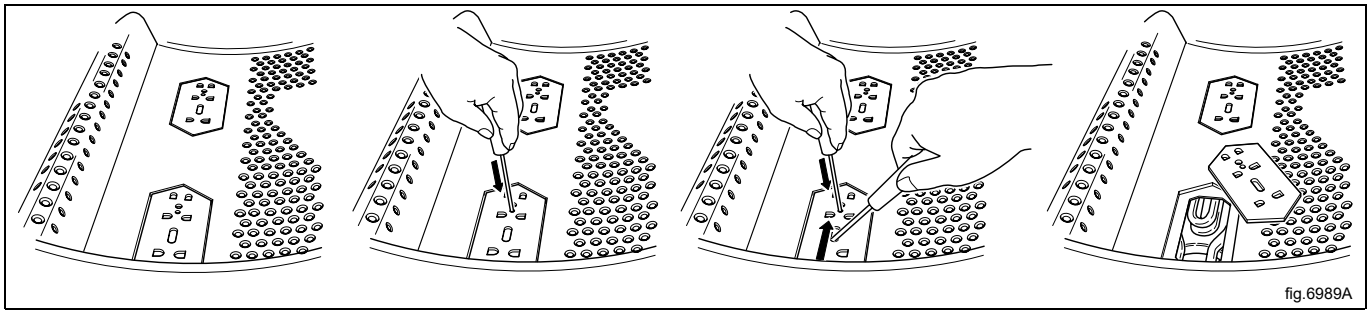


fig.6989A

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.

7.8 Maintenance to be carried out by qualified service personnel

Contact qualified service personnel to perform the following maintenance:

Once a year:

- Inspect the interior of the machine during an actual wash cycle to ensure that no leaks are noticed.
- Clean the internal drain and hoses.

For original spareparts please contact your local authorized dealer.

7.9 Cleaning recommendations

7.9.1 Safety precautions and best practices

7.9.1.1 Chemical safety

When using any cleaning agent:

- Read and follow all warnings on cleaning agent labels.
- Use safety glasses and rubber gloves as recommended by manufacturer.
- Ensure adequate ventilation.
- Never mix different cleaning chemicals.
- Keep cleaning agents away from ignition sources.

7.9.1.2 Specific chemical warnings

- DO NOT use cleaning agents containing sulfamic acid or any chloride, including hydrochloric acid.
- DO NOT use cleaning or deliming agents containing more than 30% phosphoric acid.
- DO NOT use any degreaser containing potassium hydroxide or sodium hydroxide or that is alkaline.

7.9.2 Primary recommendations

- Mild dish soap (Dawn, Palmolive) + warm water = SAFEST OPTION
- pH: 7-8 (neutral)
- No harsh chemicals
- Will not damage vinyl, ink, or adhesive
- Cost-effective and widely available

7.9.3 Secondary safe options

Product	Dilution	pH range	Usage notes	Decal Safety
pH-neutral floor cleaner	Per label (typically 1:128)	6-8	Non-acidic, gentle formulation	SAFE
Neutral pH cleaners	Per label	6-8	Professional-grade, vinyl-safe	SAFE
Mild automotive wash (car soap)	Per label	6-8	Designed for painted surfaces + vinyl wraps	SAFE
Baby shampoo + water	Few drops per gallon	~6	Ultra-gentle, no harsh additives	VERY SAFE

7.9.4 Complete prohibited products list for vinyl

Product category	Specific examples	Damage mechanism	Visible result
Solvents	Acetone, mineral spirits, paint thinners, MEK, xylene	Dissolves vinyl substrate and adhesive	Immediate softening, peeling, complete decal failure
Chlorine products	Clorox, bleach-based disinfectants, pool chlorine	Oxidizes ink pigments, degrades vinyl	Color stripping, yellowing, brittleness, cracking
Abrasive cleaners	Comet, Ajax, Bon Ami, Soft Scrub (with particles)	Physically scratches ink and laminate	Loss of gloss, visible scratches, ink removal
Abrasive tools	Steel wool, wire brushes, scouring pads, magic erasers	Mechanically removes ink layers	Peeled edges, removed graphics, surface damage
Strong acids	Muriatic acid, phosphoric acid cleaners, undiluted vinegar	Etches vinyl, discolors inks	Fading, discoloration, loss of adhesion
Strong alkalis	Caustic soda, oven cleaners (pH >13), industrial degreasers (undiluted)	Breaks down adhesive bonds, degrades vinyl	Edge lifting, peeling, yellowing
Alcohol-based cleaners	Isopropyl alcohol (>70%), denatured alcohol, hand sanitizers	Causes vinyl to dry out and crack over time	Brittleness, cracking, fading
Ammonia products	Window cleaners with ammonia, Windex (original formula)	Causes yellowing and embrittlement	Yellowing, loss of flexibility, cracking
High-alkaline degreasers	Undiluted simple green, Purple power (full strength), Industrial degreasers	Attacks adhesive layer, fades inks	Edge peeling, color fading, loss of bond
Petroleum distillates	WD-40, Goo gone, mineral oil (concentrated)	Softens adhesive, dissolves vinyl	Softening, lifting, complete removal
Corrosive salt cleaners	Road salt removers, de-icing agents	Extremely corrosive to vinyl and ink	Rapid degradation, color loss, peeling

Prohibited product on stainless steel	Why it's harmful	Result
Chlorine bleach	Causes pitting corrosion\6	Permanent holes and rust spots
Muriatic acid (hydrochloric acid)	Extremely corrosive	Destroys passive layer, rapid corrosion
Chloride-based cleaners	Attack chromium oxide layer	Pitting, discoloration, weakening
Ammonia cleaners	Can cause dulling and corrosion	Surface damage over time
Glass cleaners with ammonia	Contain harsh chemicals	Dulling, streaking, corrosion
Abrasive cleaners (Comet, Ajax, scouring powders)	Scratch protective surface	Permanent surface damage
Steel wool & wire brushes	Create permanent scratches	Ruined smooth finish, corrosion entry points
Scouring pads (rough texture)	Scratch surface	Surface damage, dull finish
Hard water (untreated)	Leaves deposits, causes pitting	Water spots, mineral buildup, rust
Onion/olive juice	Galvanic reaction	Corrosion and pinholes

Prohibited Product on Painted surfaces	Why It's Harmful	Result
Strong acids (pH <5)	Etch and damage paint finish	Discoloration, fading, peeling
Strong alkalis (pH >11)	Strip paint from surface	Paint removal, surface damage
Paint solvents (acetone, mineral spirits, thinners)	Dissolve paint layers	Paint softening, removal, damage
Abrasive cleaners	Scratch and dull paint	Surface scratches, dull finish
Abrasive pads (steel wool, rough scouring pads)	Remove paint finish	Scratches, paint removal
Undiluted concentrated cleaners	Too harsh for painted surfaces	Fading, discoloration, damage
Descalers (acidic cleaners)	Too acidic for paint	Paint etching, discoloration
Chlorine bleach	Can fade or discolor paint	Color change, weakening

7.9.5 Safe cleaning products for screen printed decals

7.9.5.1 Primary recommendations

- Mild dish soap (Dawn, Palmolive) + warm water = SAFEST OPTION
- pH: 7-8 (neutral)
- No harsh chemicals
- Will not damage vinyl, ink, or adhesive
- Cost-effective and widely available

7.9.5.2 Secondary safe options

Product	Dilution	pH range	Usage notes	Decal Safety
pH-neutral floor cleaner	Per label (typically 1:128)	6-8	Non-acidic, gentle formulation	SAFE
Neutral pH cleaners	Per label	6-8	Professional-grade, vinyl-safe	SAFE
Mild automotive wash (car soap)	Per label	6-8	Designed for painted surfaces + vinyl wraps	SAFE
Baby shampoo + water	Few drops per gallon	~6	Ultra-gentle, no harsh additives	VERY SAFE

For stubborn stains (use sparingly):

- Isopropyl alcohol (50% dilution or less) - Apply briefly, rinse immediately
- White vinegar (diluted 1:10 with water) - Test first, do not let sit on decal

8 Disposal information

8.1 Appliance recyclability and disposal

8.1.1 Recyclability

Our appliances are manufactured using a significant percentage of recyclable metals (such as stainless steel, iron, aluminium, galvanized sheet, copper, etc.), which can be recovered through the local recycling systems, in compliance with the regulations in force in the country of use.

National regulations regarding waste disposal may vary. Disposal of the appliance must therefore be carried out in accordance with the applicable legislation and the directives issued by the competent authorities in the country where the appliance is decommissioned.

The components of the appliance must be separated and disposed of in accordance with their material composition (e.g. metals, oils, greases, plastics, rubber, refrigerant gases, insulating boards and other insulating material, glass wool, LEDs, etc.) and in full compliance with applicable local and international waste management regulations.

Compressors may contain oils and refrigerants fluids - are special waste and has to be recycled on local bases regulations.

8.1.2 Procedure regarding appliance disposal and component / material recovery

This product should not simply be disposed of in the environment at the end of its life cycle; it is imperative instead either to dispose of it in accordance with local environmental regulations, or, preferably, to deliver it whole to an authorized recycling center.

All removed components, including doors and other structural parts, must be delivered together with the appliance to an authorized recycling or dismantling facility.

The dismantling/recycling center will apply state of the art technologies and methods available to them to effectively disassemble the products for best recyclability.

Note that printed circuit boards, electrical motors or other components identified in European Union legislation to be of high critical raw materials recovery potential need to be addressed specifically.

In case of doubts or questions, always refer to your reference customer care service.

Before disposing of the appliance, carefully inspect its physical condition and preservation state, checking for potential leaks of liquids or gases, as well as for broken parts that may pose hazards during handling and subsequent dismantling.

The symbol on the product indicates that this product should not be treated as domestic waste, but must be correctly disposed of in order to prevent any negative consequences for the environment and human health. For further information on the recycling of this product, contact the local dealer or agent, the customer care service or the local body responsible for waste disposal.

Note!

When dismantling the appliance, any marking, this manual and other documents concerning the appliance must be destroyed.

8.2 Disposal of packing

The packing must be disposed of in compliance with the current regulations in the country where the appliance is used. All the packing materials are environmentally friendly.

They can be safely kept, recycled or burned in an appropriate waste incineration plant. Recyclable plastic parts are marked as following examples.

PE	Polyethylene: • Outer wrapping • Instructions bag
PP	Polypropylene: • Straps
PS	Polystyrene foam: • Corner protectors

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