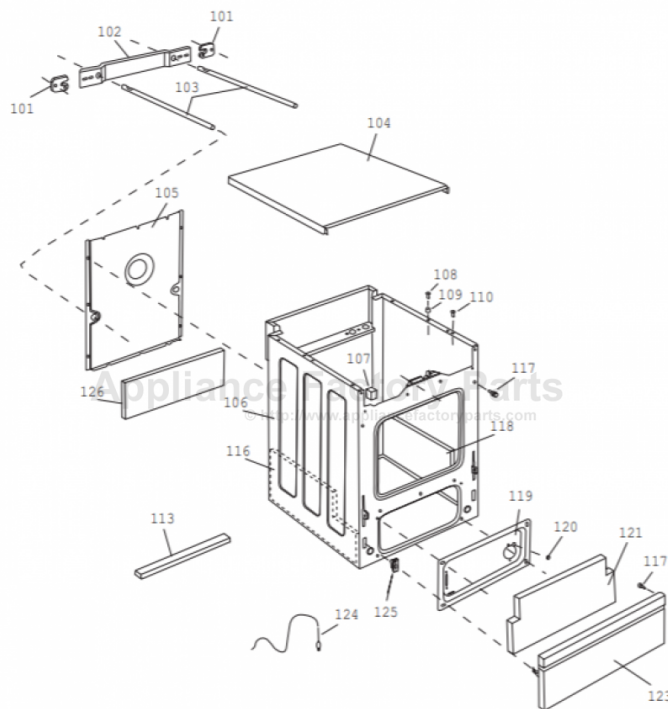


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ASKO 20005 Owner's Manual

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----- Manual continues below -----

How to use the washing machine

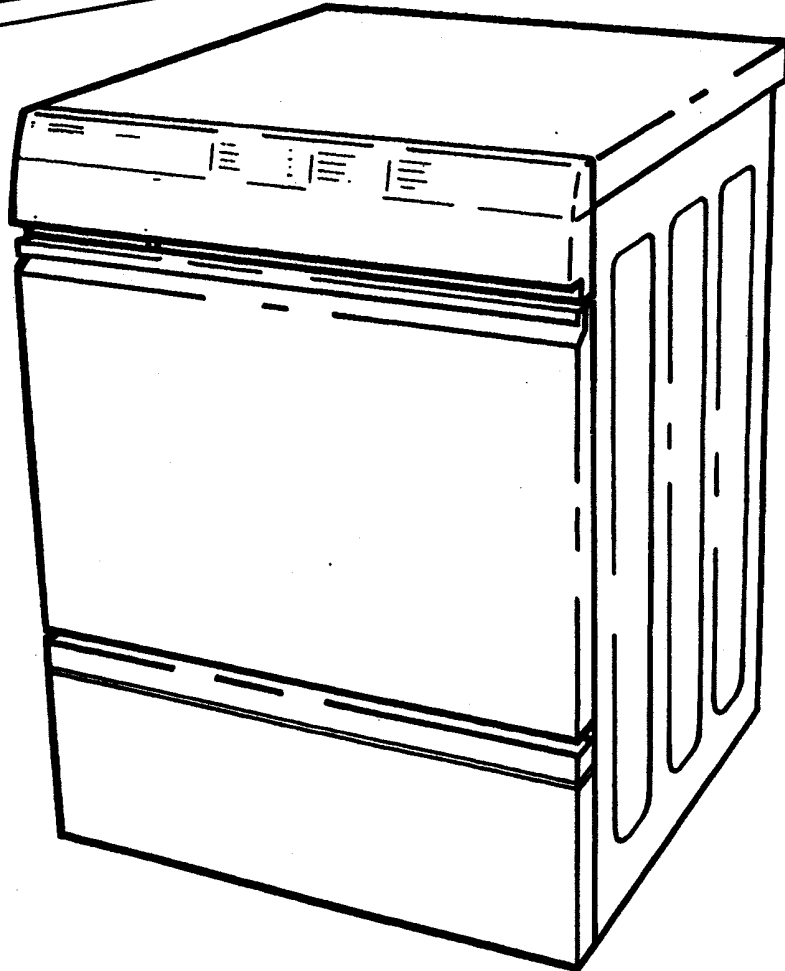
Important!

The machine must be installed by a qualified electrician.

The machine must not be started until the transit packing has been removed. (It prevents the tub from shaking while the machine is being transported.)

Read right through these instructions before using your new washing machine.

20005



USA

Important

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the appliance is properly grounded.

This appliance must be grounded. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not wash or dry articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, dry-cleaning solvents, other flammable or explosive substances as they give off vapors that could ignite or explode.

How to wash

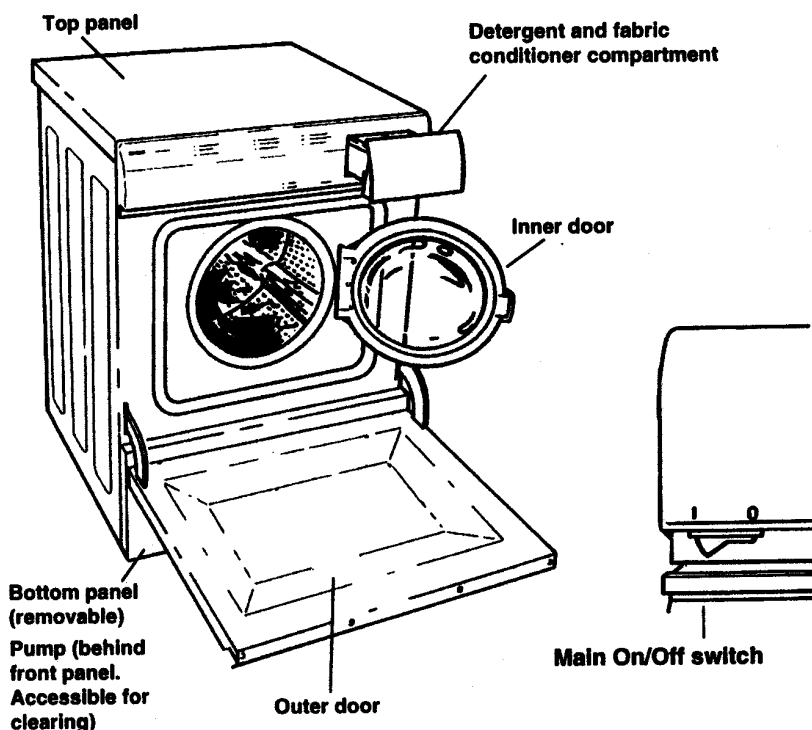
Follow the figures in the strip through this booklet for brief instructions on how to use the machine.

Full details and comments can be found below the strip and must be fully read before commissioning the washing machine.

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Guide to parts



Environment facts

Choose the right program

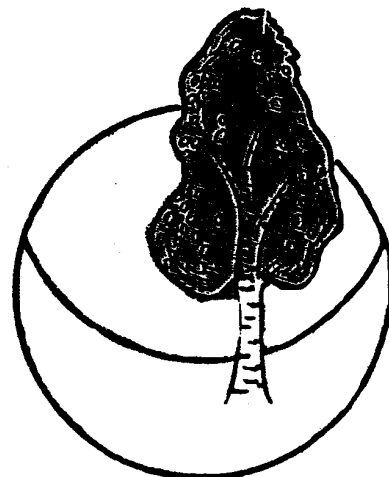
You can save considerable energy by not using 'stronger' programs than necessary.

- Press the 1/2-button to save water.
- Press the Economy button and reduce the temperature to save energy.
- Use higher spin speed, to remove the maximum amount of water, so reducing the energy required in subsequent tumble drying.

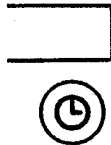
Detergent

Using more detergent does not improve the washing performance, but merely imposes an extra load on the environment.

Try reducing the amount of detergent you use, and increase it only if the results are unsatisfactory.

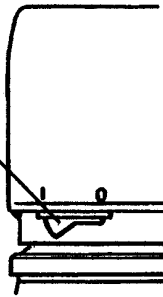


- 1 Turn on the main switch. The display will light up and show 00 as the time remaining.



- 2 Open the inner door by pressing 

If the door does not open, see below.



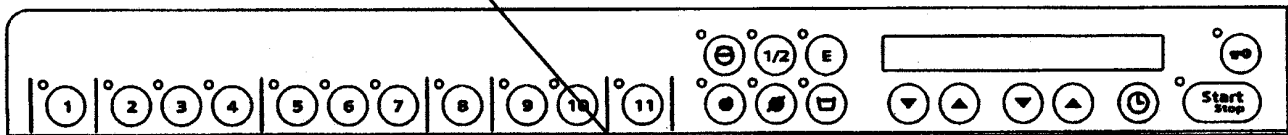
The control panel

Program selection

Program options

Control settings

Door opening





Start / Stop

Opening the inner door


The indicating lamp indicates that the door is open or will be opened automatically.

To open the door, turn on the main switch and then press .

To open the door while the machine is running, press  for three seconds. The machine will pump out sufficient water to allow the door to be opened without water spilling out. When you reclose the door, the program continues from where it left off.

If you press  while the machine is spinning, there will be a delay for safety reasons before the door is opened.

To add more washing

If you want to add more washing after the machine has started, press  for three seconds. If the water level is below the edge of the door, the door will be opened immediately. If the water level is above the edge of the door, water will be pumped out until the level is below the edge of the door, after which the door will open.




Start / Stop

The indicating lamp shows that the machine is running.

This pushbutton starts the machine. It also stops it if held in for three seconds.

Delayed start function

You can also prevent children starting the machine by playing with the pushbuttons by programming the machine so that it will start only if the Start pushbutton is pressed in for three seconds.

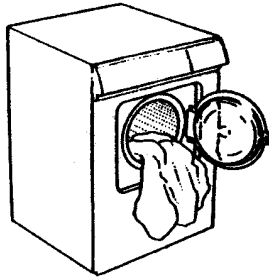
1. Press  5 times and then  5 times within 15 seconds. Then 3 is flashing in the display.
2. Press  to get normal start function. 0 is flashing.
3. Press  to get delayed start function. 3 is flashing.

After two seconds, the machine reverts to the normal programme.

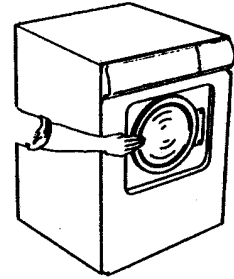
Spin



3 Load the washing into the drum...



...and close the door. Press firmly: the door cannot be closed by slamming. Close the outer door.



Sort the washing

Sort clothes by color, fiber content, amount of soil, lint shedding properties (cotton, chenille, and terrycloth shed), lint attracting properties (permanent press, corduroy, velveteen, flannel and synthetics attract) and those requiring a delicate cycle. Most clothes and other washable items have **permanent care labels**. Read these labels carefully! Care label instructions and warnings should be followed for the best cleaning results.

Load the Washer Properly

The following chart shows how full to load the washer for the best results. The load size depends on what types of fabrics you are washing.

Permanent press items need room to move freely during washing for the most wrinkle-free results. Therefore, fill the machine only **half full** for permanent press loads. These items should only have a **brief spin** cycle after which they should be promptly removed from the washer for drying. Follow the guidelines on the Program Charts for "permanent press, synthetics".

Machine washable **wool** loads should only be one-third full for the cleanest results in this shortened cycle.

Recommended load sizes

Full load	Half load	Third Load
Cotton Linen	Permanent Press Synthetics Acrylics Special finish cottons	Wool (machine washable) Silk Acetates

How much is in a full load ?

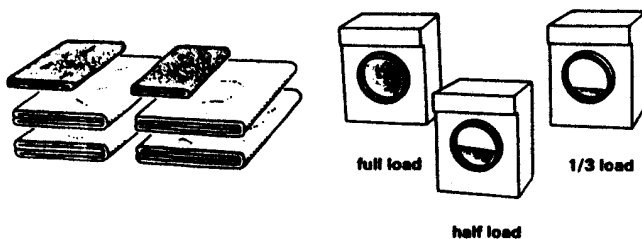
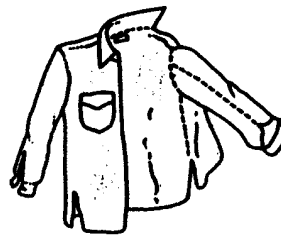
If the drum is filled without packing it tightly, it will hold the equivalent of two sheets, pillow cases and mattress pad or thin blanket off of a queen size bed or two king size sheets, two pillow cases and two to four bath towels.

Water level in the washer

There is no need to set a load size or water level because the Asko Automatic Level Control System **automatically selects the correct amount** of water for each load.

Preparing clothes for washing

- Turn delicate items, sweaters and t-shirts inside out to prevent pilling and to protect the prints.
- Empty pockets and turn them inside out.
- Remove any sharp ornaments, pins or buckles to prevent snags.
- Close zippers and hooks to prevent snagging
- Tie sashes and strings to prevent tangling.
- Mend any small rips or tears to prevent them from getting bigger.



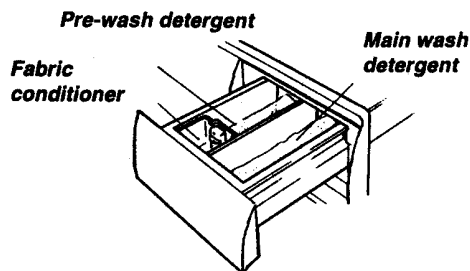
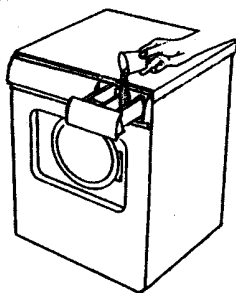
New colored items

Read labels carefully! If a label says "Wash Separately", the item will lose color (excess dye) for the first few washings. To minimize the possibility of this color transferring to white or lighter colored items, wash new colored garments with items of similar color or alone before wearing. Bright reds and oranges on cottons are the dyes most likely to transfer colors to the wash load. Fluorescent colors should always be washed separately.

Prewash or not?

When washing items that are only slightly soiled, the prewash cycle can be omitted. Starting the machine at the main wash stage will save about 25 minutes.

4. Pour detergent (and fabric conditioner if used) into the appropriate sections of the detergent compartment.



Detergents - What kind - How much?

Use only sudsing laundry detergents!

Detergents are available in low, normal and full sudsing formulas. A detergent's ability to clean is not related to the amount of suds it produces. Excess suds in a front loading washer actually interfere with cleaning action because they cushion the tumbling of clothes. High sudsing detergents are also more difficult to completely rinse out.

Use 1/4 to 1/2 of the recommended U.S. detergents

Because of the Asko washer's low water consumption and the fact that all the wash water and detergent are completely circulated repeatedly through the laundry, ensuring that all the detergent is fully utilized, detergent usage is cut by 50% to 75%.

Different brands of detergents recommend using different amounts. Read all package labels carefully. The first time you use any detergent, start with 1/4 of the recommended amount. (For example: If the label says use 1 cup, use 1/4 cup.)

If the detergent produces a good, low level of suds, you may add slightly more detergent if you have very hard water or if your clothes are not getting perfectly clean. It is advisable to check your water hardness with the local water department.

Recommended detergents

Avoid normal and full sudsing detergents. The chart below lists several low sudsing detergents that have been successfully tested in the Asko washer, along with the recommended amounts.

Recommended Detergents	Main Wash Detergent Amount*
Fab (powder)	1/4 cup to 1/2 cup
Amway SAB (powder)	1-2 tablespoons (1/8 cup)
Fresh Start (powder)	2 tablespoons (1/8 cup) to 1/4 cup
All (powder)	1/4 cup to 1/2 cup
* Add slightly less additional detergent for prewash	

In general, liquid detergents tend to be higher sudsing than powders. Do not use powder detergents that do not wash completely out of the detergent cup as the machine fills with water.

Liquid detergents

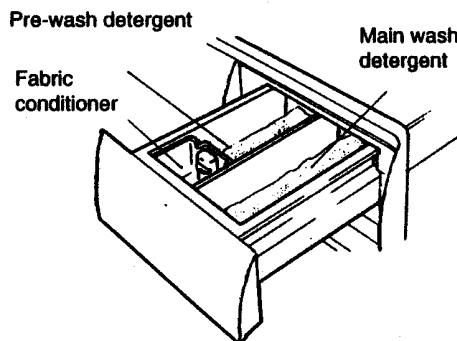
Liquid detergents tend to suds more than powder detergents. When trying a detergent for the first time, start out with a very small amount, such as 1 to 2 tablespoons.

Liquid detergent can be used for all programs without pre-wash. Add it into the main wash compartment.

Bleach

The use of bleaches is not necessary with these machines, nor is it recommended.

Note: Detergents: Using more detergent does not improve the washing performance, but merely imposes an extra load on the environment. Try reducing the amount of detergent you use, and increase it only if the results are unsatisfactory.



Fabric softeners

Use 1/3 to 1/2 of the recommended amount of fabric softener, because of the low water usage of the Asko washer. Fabric softeners are available in several concentrations. Read the labels carefully and use only 1/3 to 1/2 of the recommended amount. (For example: If the label says to use 1 capful, use 1/3 capful.) If more softening is desired, try adding slightly more the next time.

Oversudsing

The use of anything other than a low sudsing detergent can cause severe oversudsing. If this happens, run the wash through one or more rinse programs (starting on 4) until items are thoroughly rinsed. Then, run the empty washer through an entire wash program (starting on 1) to clear the machine of any remaining high sudsing detergent. Oversudsing can cause a back-up through the detergent compartment and leave a residue on the floor and the front of the washer.

5 Select a program: 1 - 11

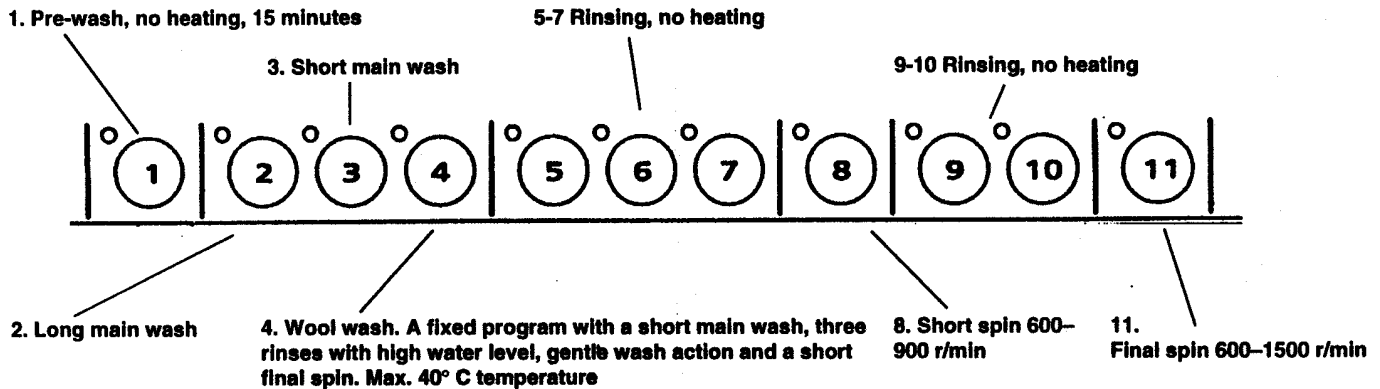
The further to the left the program that you select, the more stages it contains.

The indicating lamps light up to show which stages are included in the program that you have selected.



Which program should I choose?

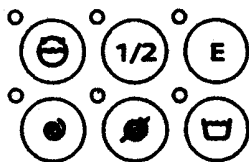
It's easy to select programs with the 20005 washing machine. When you press one of the program selection buttons, everything to the right of it is included. You can easily see what you have selected. Program 1, for example, provides a pre-wash, a long main wash, three rinses, a short spin, two more rinses and finally a longer spin. The indicating lamps above each pushbutton show what's included in the selected program.



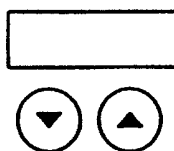
Examples of programs

Textile care label	Type of washing	Program selections			Spin speed	Fill	Water consumption approx. l	Energy consumption approx. kWh	Time, minutes
		Program pushbutton	Temperature	Program options					
	White cotton, linen with pre-wash	1	95°		1500	1/1	68	1,8	115
	White cotton, linen with pre-wash + Economy	1	60°	⊖	1500	1/1	68	1,0	120
	White cotton, linen without pre-wash	2	95°		1500	1/1	63	1,8	100
	White cotton, linen without pre-wash + Economy	2	60°	⊖	1500	1/1	63	1,0	105
	Colorfast cotton, linen with pre-wash	1	60°		1500	1/1	68	1,0	100
	Colorfast cotton, linen without pre-wash	2	60°		1500	1/1	63	1,0	85
	Non-colorfast cotton, linen with pre-wash	1	60°	1/2 ⊖	900	1/2	45	0,8	80
	Non-colorfast cotton, linen without pre-wash	2	60°	1/2 ⊖	900	1/2	39	0,8	65
	White synthetics, blend permanent press	1	40°	1/2 ⊖	900	1/1	45	0,5	70
	Colorfast synthetics, blends permanent press	2	40°	1/2 ⊖	900	1/2	39	0,5	55
	Silk and delicates	2	40°		1500	1/2	63	0,5	80
	Special fabrics	3	30°	⊖ ⊗	-	1/3	69	0,3	40
	Wool	4	40°		900	1/3	69	0,7	45

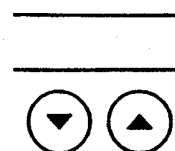
6 Select any required program options



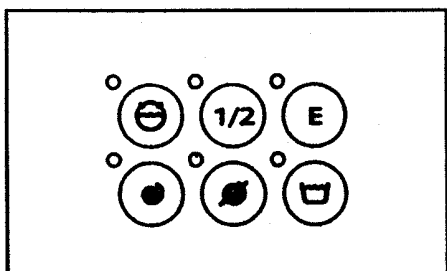
7 Select spin speed: 600–1500 r/min



8 Select temperature 0–95°C



Program options



When any of these buttons is pressed, the little triangular indicating lamp in the top left-hand corner of the button lights up to indicate that the option is activated.

If you have forgotten to set one of the options, and the program has already started, simply press the required option pushbutton for three seconds and it will be added to the program.

In the same way, you can delete an option from the program by pressing the button for three seconds, which will remove the option from the program.



Gentle wash

With the gentle wash action, the drum pauses longer between movements, treating the garments more gently. The water level is also higher, the number of rinses is reduced to three and there is only a short spin.



Half load

Pressing this button reduces the number of rinses from five to three, and gives a long spin. Use this button when there is only a small load in the machine.




Economy program

Pressing this button extends the main wash by 22 minutes. You can save energy by reducing the temperature to 60–80 °C (140–176°F) for whites and 40°C (104°F) for coloureds. The extended washing time will compensate for the lower temperature.





Short spin

Pressing this button gives you one short spin, at a speed of 900 r/min. You can further reduce the speed (to 600 r/min) by pressing 



No spin

Pressing this button cancels spinning entirely. The machine stops at the end of the program with the final rinse water still in the drum. Press  to pump it out. You can also press  to give a short spin, which the majority of garments can stand.





High rinse level



Press this button for a high rinse level.

High wash water level?

If you want a high wash water level, e.g. for washing a rug, you can obtain it by:

1. Press  for three seconds.
2. Allow the machine to fill to the required level.
3. Press  again for three seconds, and the program will continue.

Quick wash if you are particularly short of time

Pressing  and  will shorten the length of the main wash and reduce the number of rinses. Any temperature can be used.

Use this program to save time and water if you have only a small amount of washing, which is only lightly soiled.


9 Select delayed start, if required





10 Press START




If you change your mind...
...and want a different program

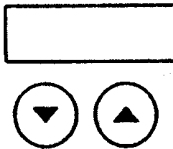
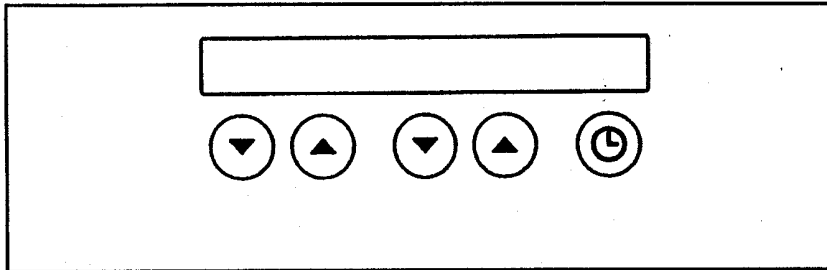
Press  for three seconds and then select a new program.

...and want to interrupt the program
press  for three seconds and then . The machine will pump out enough water to allow you to open the door.



You want to add something

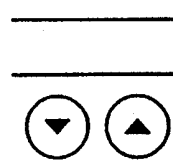
Press  for three seconds and then the machine will pump out enough water to allow you to open the door.

Control settings





Selection of spin speed

You can select spin speeds between 600 r/min and 1500 r/min. When you press a program button, the display shows the spin speed that was last used. You can increase or decrease it in steps of 100 r/min by pressing the  or  symbols respectively, within the range 600–1500 r/min.




Temperature setting

Washing temperatures between 0°C (32°F) and 95°C (203°F) can be selected. When the machine is turned on, the temperature selector will always set itself to 40°C (104°F). You can raise the temperature in steps of 5°C (41°F) by pressing the  symbol, or decrease it in steps of 5°C (41°F) by pressing the  symbol. At the lowest temperature setting, the display will show C (cold).



Delayed start

The machine can be set to start up to twelve hours after it has been loaded and programmed. Press the  button once for each hour's delay in starting. The setting will be shown on the display.



Pressing the button for the thirteenth time does not select a starting delay, but causes the display to show the time remaining that the program in use has to run. (See below) When you have set the starting time delay, start the delay period by pressing the button.

How much longer has the program to run?

The time remaining before the program finishes is shown on the display. If it exceeds 60 minutes, it will be shown as the number of hours, followed by H, and alternating with the number of minutes more than the whole hour(s) remaining, e.g. 1H - 23 - 1H - 23 and so on.

The display shows 00 when the main switch is turned on.

11 When the machine has stopped:

- * After a program which concludes by pumping out the water, you can open the door directly by pressing 
- * After a program which stops with water in the machine, press . Water pumps out and the door opens.

12 After use: turn off the machine at the On/Off switch

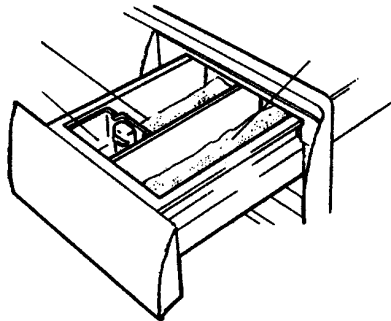
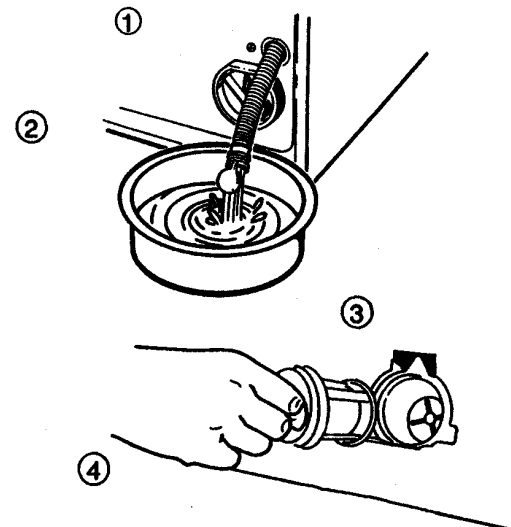
NB: Don't close the door after using the machine: leave it ajar.

Care and maintenance








Clearing the button trap and outlet pump

The machine has a needle trap which will trap needles, hairpins, coins and similar items. Clean it at intervals as follows:

1. Remove the lower front panel. Pull the small drain hose and drain off water into a shallow bowl after removing the plug from the end of the hose (1).
2. Turn the pump cover anticlockwise to the position shown in (2). This uncovers the drain holes and water will run out into the bowl.
3. When the water has finished draining out, turn the pump cover further and pull it off. Clean out the needle trap, and clean the pump rotor at the back of the pump housing (3).
4. Check that there is no grit or small objects in the pump, and replace the pump cover. Turn it clockwise in two stages: when you hear a click, turn it a little more to its end stop, as shown in (4).



Clean the detergent compartment at intervals

1. Press  and  to flush the pre-wash detergent compartment clean. Use a brush to remove congealed residues. Press  for 3 seconds.
2. Press , then  to flush the main wash detergent compartment. Use the brush to remove congealed residues.
3. Press  for three seconds and let the machine pump itself out for about a minute to remove the water that entered the machine when cleaning the compartments.
4. Stop the pump and reset the programs by pressing  for three seconds.

Cleaning holes under the washing blades

If an object has fallen through the cylinder down into the container, you can gain access in this way:

1. Loosen the screw on the top of the blade 3 turns.
2. Pull the blade towards you and lift it upwards.
3. Remove the object.
4. Place the blade in the fixing hole with the F marking point against you. Slide the blade away from you until it stops. Check that the blade brackets sit in their slots in the drum. Tighten the screws.



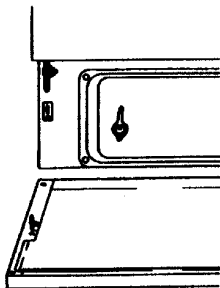
Detergents without phosphate

If you live in hard water areas and use detergents without phosphates, the machine can develop a grey film after a while. This can be removed by driving a 90° C programme adding a small amount of citric acid into the drum.

If the machine doesn't work

The door will not open

1. Check that the main switch is turned on.
2. Is power available at the machine? Check plugs and fuses. The door cannot be opened if there is no power supply.
3. If the door cannot be opened in the normal manner, it can be opened as follows.
 - Remove the lower front panel
 - Unscrew the plastic ring and pull.
 - Replace the ring and the front panel.
 If the door still cannot be opened in the normal way afterwards, call a service engineer.



The machine does not start when the Start button is pressed

1. Is the door properly closed? Press it shut firmly – don't slam it.
2. Is power available at the machine. Check plugs and fuses.

The machine will not spin

(If the machine has failed to spin, this will be indicated by the spin speed display showing a flashing 0000)

The machine incorporates an out-of-balance detector, which reduces spin speed or prevents spinning from starting if the drum load is badly unbalanced. Open the door, redistribute the washing and restart the machine after pressing **8** or **11**

The machine does not fill with water when started

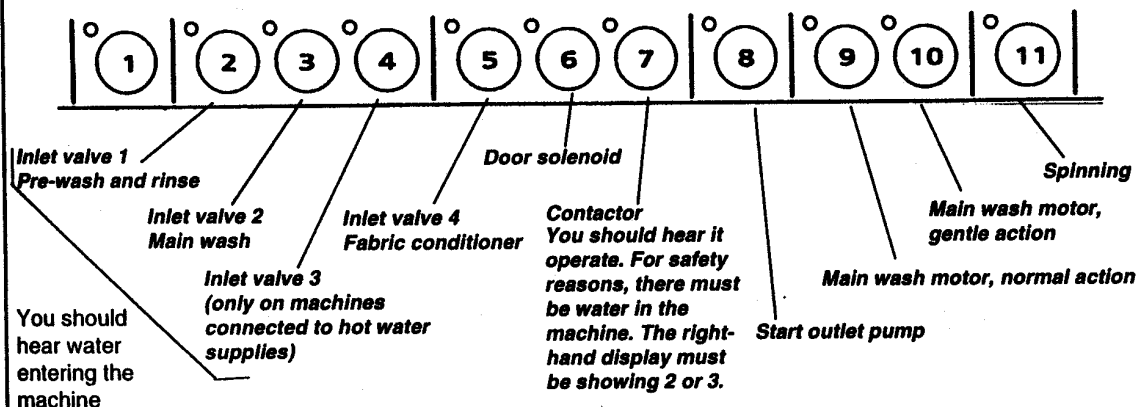
1. Is the tap in the supply line open?
2. Is the strainer in the inlet connection blocked? Unscrew the hose and check. Remember to turn off the water supply first.

A lot of foam in the final rinse water, or water left in the machine after spinning and pumping out

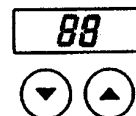
1. Is anything blocking the outlet hose?
2. Is the pump blocked? Clean it as described on page 8.
3. Is the outlet hose kinked?

Fault tracing program

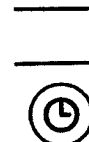
The machine incorporates a self-diagnostic fault-tracing program, reached by pressing **1** 5 times within 15 seconds. The indicating lamps respond by flashing as shown below. Press the buttons to test the following functions:



Indicates out-of-balance in the machine (for internal use only)



Indicates water level in machine
2 - normal
3 - high level
4 - overfilled



Leave the fault-tracing program by pressing **Start/Stop** for three seconds.

Other signals



- F1 A fault in the water supply
- F2 Too high water level
- F3 A fault in pumping out
- F4 Thermistor fault (temp. control)
- F5 Fault in thermal cutout
- F6 Motor fault



This flashing signal indicates that the door is open, even though a program is running. It also appears if you start a program while the door is open.

If you want to interrupt the indicating signal, turn off the main switch or choose a new program.

Safety

The machine incorporates a door safety switch which prevents it from being started if the door is open. The door is also interlocked to prevent it from being opened when the machine is running or when it has stopped with water in.

Child safety

To prevent a child from altering the programs by playing with the control buttons, buttons must be pressed for three seconds to affect the program when the machine is running. Only a brief press is necessary if no program has started.

Technical data

Dimensions	32 1/4 x 23 1/2 x 23 1/2"
Weight	167 lbs.
Spin speed	600-1500 r/min
Rated load	3465 W
Supply voltage	208-240V, 60Hz
Heater rating	3265 W
Material of drum and barrel	Stainless steel
Material of outer casing	Powder-painted, hot-dip-galvanized steel sheet
Mounting	Stationary: four adjustable rubber covered feet
Water supply hose	5 ft Pex hose
Supply pressure	15-146 PSI,
Outlet hose	5.5 ft of poly- propen hose, 3/4 inch internal diameter

Accessories

The machine is supplied with:

- Operating instructions and installation instructions.
- Guarantee card.
- Type-approved inlet hoses for connection to water supply.

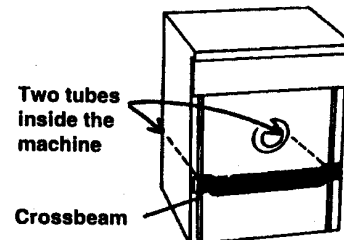
Optional extras:

- Decor frames
- Edging frame by stacked machines
- Frame set will pull-out shelf by stacked machines

Installation

Removing the shipping brace

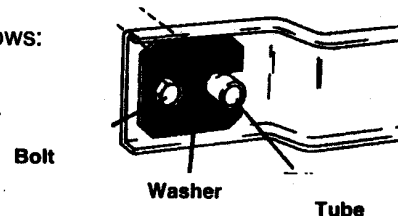
The shipping brace consists of two tubes which prevent the barrel from moving around inside the machine during transport. The tubes are secured to a cross-beam at the back of the machine.



Remove the shipping brace as follows:

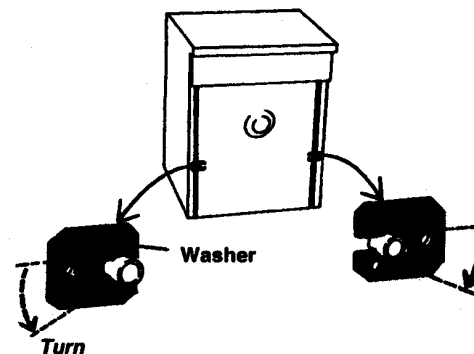
1

Remove the bolts and special washers which retain the beam, and remove the beam.



2

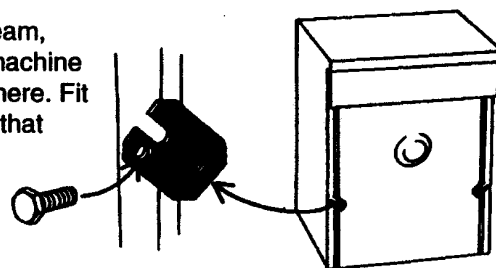
Replace the washers on the flattened part of the tubes. Use them as tools to turn the tubes through about 45°, as shown in the drawing, and pull out the tubes.



3

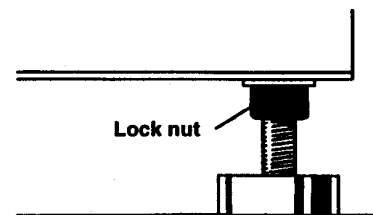
Turn the washers so that they cover the holes where the tubes were fitted and replace the bolts.

Save the tubes and cross beam, which will be needed if the machine has to be transported elsewhere. Fit them in the reverse order to that described above.



Adjusting the feet

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



Positioning the machine

The machine can be installed beneath a worktop with a height of 33 1/2"-35 1/2". There must be a gap of about 1/4" all round the machine, including between the rear edge of the machine top panel and the wall behind. This is important: if no space is left, the machine may hit the wall when it starts to spin.

NOTE
Height adjustment: 32 1/4"-33 1/2"
Do not raise Higher than 33 1/2"

Important safety instructions

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

1. Read all instructions before using the appliance.
2. Do not wash or dry articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, dry-cleaning solvents, other flammable or explosive substances as they give off vapors that could ignite or explode.
3. Do not allow children to play on or in the appliance. Close supervision of children is necessary when the appliance is used near children.
4. Before the appliance is removed from service or discarded, remove the door to the washing or drying compartment.
5. Do not reach into the appliance if the drum is moving.
6. Do not install or store this appliance where it will be exposed to the weather.
7. Do not tamper with controls.
8. Do not repair or replace any part of the appliance or attempt any servicing unless specifically recommended in the user-repair instructions or in published user-repair instructions that you understand and have the skills to carry out.
9. Do not add gasoline, dry-cleaning solvents, or other flammable or explosive substances to the wash water. These substances give off vapors that could ignite or explode.
10. 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 or combination washer-dryer, turn on all 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.

Electrical installation

The machine is delivered ready-fitted with a plug, and is intended for connection to an Asko Dryer. The Asko Dryer is equipped with a matching receptical. The plug supplied with the washer can only be used with an Asko Dryer. If the washer is used separately or with another dryer, it must be on its own separate 220 V single phase circuit.

As supplied

208-240 V, 60 Hz
3265 W heater rating,
15 A fuse required

If the machine is to be used in a wet area, the supply must be protected by a residual current device.

Connection to a permanently wired supply point must be made only by a qualified electrician.

GROUNDING INSTRUCTIONS

This appliance must be grounded. In the event of malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electric current. This appliance is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

WARNING - Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the appliance is properly grounded.

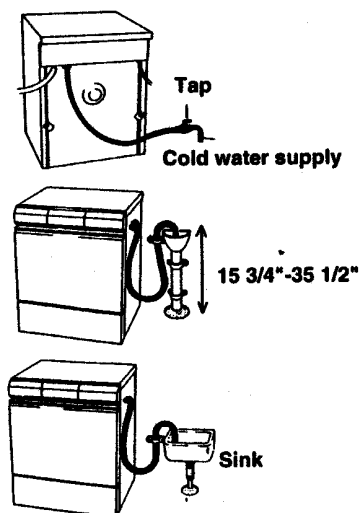
Do not modify the plug provided with the appliance - if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

Water supply connection

The water supply connections must be made by a person having the necessary competence.

Connect the machine to the supply using the hose supplied with the machine. Water pressure must be in the range 0,1–1MPa (about 1–10kp/cm², 15–146 PSI or 10–100N/cm²). A tap must be fitted in the supply pipe for the hose.

If a new supply pipe has been installed for the machine, it should be flushed through thoroughly in order to remove any particles of dirt which might otherwise block the strainer in the water inlet of the machine.



Drain outlet connection

The machine is supplied with the outlet hose ready fitted. The hose should be hung at a height of 15 3/4"-35 1/2" above the floor: the lower height is preferable. Make sure that the hose is not kinked.

Problems ?

Try the following remedies. Poor result may not always be caused by the machine. Read through the chart below before contacting your servicer.

Problem	Possible Cause	Suggested Remedy
Door will not open Machine will not start Machine will not fill with water Foam in final rinse, water left in machine		See "If the machine doesn't work", page 9.
Water leaks	Hoses	All hoses, especially the inlet hose should be inspected at least once a year. Replace if they show signs of cracking. Check to see if hose connections at faucets are tight. Properly insert and secure end of drain facility.
Extrem vibration during spin cycle	Transit packing not removed	Remove transit packing. See page 10.
	Machine not level	Adjust machine feet and tighten locknuts.
Oversudsing	Wrong detergent	Use only low sudsing detergents. See page 5. Run clothes through extra rinse cycles. Run empty machine through complete cycle
	Too much detergent	Use recommended amounts. See page 5.
Washer stops during cycle	Normal pauses	It is normal for the machine to pause occasionally during operation, especially between cycles and during the delicate wash program.
Greying clothes	Not enough detergent	You may need to add slightly more detergent if clothes are heavily soiled, have oily stains, or if your water is very hard.
	Water not hot enough	Select hot temperature setting for each type of load. See charts page 6 and 16.
	Improperly prewashed or presoaked	Be sure to add a prewash and/or presoak for heavily soiled oily items.
	Washer overloaded	Once wet, the clothes must have room to tumble freely, especially synthetics and permanent press.
	Soap used in hard water areas.	Be sure you use a laundry "detergent" and not a "soap". Soaps react with the minerals in hard water to form a soap curd, which can be deposited on clothes.
Lint, residue left on clothes	Improper sorting of clothes	Separate clothes that shed lint (chenille and terry cloth) from clothes that attract lint (synthetics, corduroy, velveteen).
	Nonphosphate detergent Non-phosphate detergents	can combine with minerals in hard water and form a precipitate which can appear to be lint. Use a low phosphate detergent, if possible. Install a water softener.
	Fabric softener used improperly	Read labels. Most softeners should only be used in the final rinse. Add softener to the softener compartment. If added to the wash cycle, softeners can have a reaction with detergents producing a white residue.
	Pilling	Pilling, which can look like lint, is produced by normal wear on cotton/polyester blend fabrics. To reduce, wash synthetics and cotton /polyester blends inside out. For the best results, wash cotton/polyester knits using the delicate cycle.

Problems ?

Try the following remedies. Poor result may not always be caused by the machine.
Read through the chart below before contacting your servicer.

Problem	Possible Cause	Suggested Remedy
Yellowing of clothes	Not enough detergent, water not hot enough	Caused by body oils not completely removed. Use hottest recommended temperature for each type of load and add slightly more detergent.
	Iron or manganese in water	Install a filter to remove iron or manganese from water. A small amount of Calgon or other non-precipitating water conditioner added once a week is advisable in hard water areas.
Shrinkage	Improper washing or drying	Follow garment care label instructions carefully. Some fabrics will shrink no matter how they are washed. Some may be machine washed but not machine dried.
Knit shrinkage	Overheating	Knits tend to shrink more than woven fabrics. If a knit has been heat shaped, wash in cool or warm water. Dry with the low setting.
	Delayed or gradual shrinkage	Can occur when special stabilizing finishes are reduced from wear or repeated washings. Garment may sometimes be reshaped by pressing after washing and drying.
	Poor construction	Shrinkage can occur if the knit fabric was not stretched properly by the manufacturer. Press back into shape each time garment is washed and dried.
Rips,snags,excess wear	Sharp objects in pockets	Empty all pockets and turn inside out before laundering.
	Hooks, snaps, zippers, buckles	Fasten all hooks,snaps and zippers before laundering to avoid snags. Remove sharp buckles. Turn knits inside out.
	Harsh chemicals	Before washing, rinse harsh chemicals, such as battery acid, permanent wave solution, hair bleach, dyes and toilet bowl cleaners, from towels and other articles to avoid holes in fabrics. Do not allow these unrinsed items to contact other fabrics.
	Existing rips and tears	Mend all garments before laundering to prevent enlarging of rips.
	Permanent press items	These items fray at edges from the permanent press process and from normal wear, not from the washer. Only wash in half loads. Do not wash in the same load with very heavy items, such as towels or jeans.
Fading and discoloring	Inproper sorting	Dark clothes, especially cottons, can bleed excess dyes into wash water. White or light colored clothes can absorb the dye and discolor. Separate light from dark items.
	Crayons or pens in pockets.	Empty all pockets before washing.
	Water too hot	Cool or cold water is best for retaining dark or bright colors.
Stains not removed	Incorrect water temperature Protein stains, such as	milk,egg,blood and soy formula should be removed in cold water. Oily stains should be washed in the hottest water recommended for each fabric type.
	Old stains	The longer a stain remains on a fabric, the harder it is to remove. Treat stains promptly. Do not set stains by machine drying or ironing fabrics until stains are completely removed.



ASKO Product Warranty

Home Clothes Washers and Dryers

For Residential Installations

Length of warranty	ASKO will pay for:
ONE YEAR FULL WARRANTY From date of purchase	ASKO replacement parts and/or repair labor to correct defect in materials or workmanship. Service must be provided by an authorized ASKO service outlet.
FIVE YEAR LIMITED WARRANTY One year full plus second through fifth year limited from date of purchase.	ASKO replacement parts (repair labor costs not included) for any defective solid state controls, timers, motors, pumps.
TWENT-FIVE YEAR LIMITED WARRANTY One year full plus second through twentyfive year limited from date of purchase.	ASKO replacement parts (repair labor costs not included) for the stainless steel inner and outer drum/tub if it fails to hold water due to a manufacturing defect such as cracking or rusting.

For Non-Residential Installations

SIX MONTHS FULL WARRANTY FROM DATE OF PURCHASE	ASKO replacement parts and/or labor to correct defect in materials or workmanship. Service to be provided by an authorized ASKO service outlet.
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ASKO will not pay for:

- A. Service calls to:
 1. Correct the installation of the washer or dryer
 2. Instruct how to use the washer or dryer
 3. Replace house fuses or correct housing wiring
 4. Correct house plumbing
 5. Cleaning or servicing of the button trap, outlet pump of the washer
 6. Cleaning or serving of the lint filter or condensing unit of the dryer
- B. Repair and/or parts for failure of product if washer or dryer is used in other than normal use.
- C. Damage resulting from accident, fire, floods, acts of God, alteration, misuse abuse, improper installation or installation not in accordance with local electrical or plumbing codes.
- D. Any labor or shipping costs for parts during the limited warranty.
- E. Replacement parts or repair labor costs for units operated outside the Continetal United States.
- F. Pick-up and delivery. ASKO products are designed to be repaired in the home.

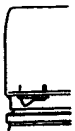

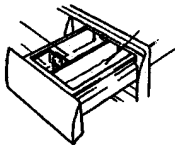
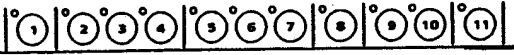


IN NO EVENT SHALL ASKO INC. BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQENTIAL DAMAGES.


Some states will not allow the exclusion or limitation of incidental or consequential damages, so this exclusion or limitation may not apply to you. This warrenty gives you specific legal rights and you may also have other rights which vary from state to state.


For warrenty service, contact the dealer from whom you purchased the unit or an authorized ASKO service outlet. Service will be provided during normal business hours. Should you have a service problem that is not resolved locally write:


ASKO USA INC.
P O Box 851805
Richardson, TX 75085-1805

Summary of washing instructions:

- 1** Press the main On/Off switch 
- 2** Open the door by pushing 
- 3** Load the washing and close the door firmly. Close the outer door.
- 4** Pour detergent and fabric conditioner into the dispenser. 
- 5** Select the program by pressing one of the buttons 1-11 
- 6** Select any program options. Select spin speed and temperature 0-95°C (32-203°F) 
- 7** Press the start button. 




















If you change your mind...
...and want to alter or stop the program, press for three seconds 

...or want to step forward in the program, press the button to which you want the program move for three seconds.
- 8** When the machine stops: 

Open the door by pressing 

*The door can be opened immediately after a program in which the water has already been pumped out
*If water is left in the machine, it will first pump it out before the door can be opened.
- 9** After using the machine:
Turn off the main switch.
Leave the door ajar.

Choosing the right program

Textile care label	Type of washing	Program selections			Spin speed	Fill
		Program pushbutton	Temperature	Program options		
	White cotton, linen with pre-wash	1	95°		1500	1/1
	White cotton, linen with pre-wash + Economy	1	60°		1500	1/1
	White cotton, linen without pre-wash	2	95°		1500	1/1
	White cotton, linen without pre-wash + Economy	2	60°		1500	1/1
	Colorfast cotton, linen with pre-wash	1	60°		1500	1/1
	Colorfast cotton, linen without pre-wash	2	60°		1500	1/1
	Non-colorfast cotton, linen with pre-wash	1	60°	 	900	1/2
	Non-colorfast cotton, linen without pre-wash	2	60°	 	900	1/2
	White synthetics, blend permanent press	1	40°	 	900	1/1
	Colorfast synthetics, blends permanent press	2	40°	 	900	1/2
	Silk and delicates	2	40°		1500	1/2
	Special fabrics	3	30°	 	-	1/3
	Wool	4	40°		900	1/3

It is not permitted to make any changes to the specifications of the machine without the written permission of the manufacturer.