



WASHER USE AND CARE GUIDE

ENGLISH

IMPORTANT!
To get the best performance from
your washer, read all operating
instructions before using it for
the first time.



FRANÇAIS

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ESPAÑOL

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

IMPORTANT SAFETY INSTRUCTIONS

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

- ◆ Read all instructions before using the appliance.
- ◆ Do not run appliance while you are out of the home.
- ◆ Do not allow children to play on or in the appliance. Close supervision of children is necessary when the appliance is used near children.
- ◆ Before the appliance is removed from service or discarded, remove the door to the washing compartment.
- ◆ Do not reach into the appliance if the drum is moving.
- ◆ Do not install or store this appliance where it will be exposed to the weather.
- ◆ Do not tamper with controls.
- ◆ 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.
- ◆ 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.
- ◆ 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.

WARNING!

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

WARNING!

This appliance must be properly grounded. 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.

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

NOTE: This manual does not cover every possible condition and situation that may occur. Use common sense and caution when installing, operating, and maintaining any appliance.

CHILD SAFETY FEATURES

CHILD-SAFE DETERGENT DRAWER

ASKO washers have a child-safety catch on the detergent drawer that can be engaged to prevent a child from opening the drawer and possibly coming into contact with the detergent or fabric softener. Refer to page 5 for instructions on how to engage the child-safe catch.

CHILD-SAFE TEMPERATURE KNOB

Models W600 and W620 have a child-safety catch that can be engaged to prevent children from tampering with the temperature knob. The catch is located below the temperature knob behind the edge of the control panel. To engage it, insert a flathead screwdriver in the slot on the catch. Press upwards as you turn the catch clockwise. When you release the catch it should protrude slightly below the control panel.

Once the catch is engaged, you must hold it up as you turn the temperature knob to the desired setting.

CHILD-SAFE START

You can program Models W640 and W660 not to start unless the Start button is held down for three seconds. This is to prevent children from inadvertently starting

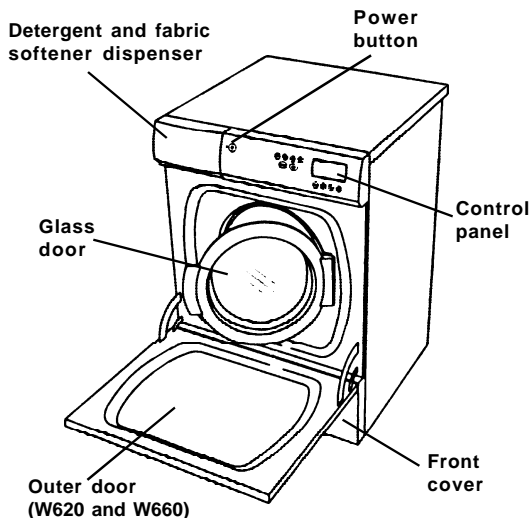
the machine. Refer to page 14 for instructions on how to program this safety feature.

MORE CHILD-SAFETY TIPS

- ◆ Laundry detergents are corrosive, so always keep them out of reach of children.
- ◆ Should a child swallow detergent, give plenty to drink immediately, i.e., one or two glasses of milk or water. Do not try to induce vomiting. Seek medical advice immediately: **1-800-POISON1**
- ◆ Always close the door and start the appliance as soon as you put in the detergent.
- ◆ Always turn the power off to the machine when it is not in use.
- ◆ Always keep small children away from the machine when it is open. There may be some detergent residue left inside the machine.
- ◆ If laundry detergent gets in someone's eyes, rinse them with plenty of water for at least 15 minutes.
- ◆ Do not allow children to use or play on or in the appliance.

ASKO WASHER FEATURES

Your new energy-efficient ASKO washer is designed to give you maximum cleaning performance using less water, energy and detergent. To make the most of the washer's functions and features, we recommend that you read this manual carefully before using your machine for the first time. For operating instructions, refer to the *Quick Start Guide* enclosed with this manual. Below is an illustration of the parts and features of your ASKO washer.



THE GLASS DOOR

To open the glass door, the power to the machine must be on and you must press the Door Open button (⏏). There will be a few seconds delay before the door opens.

Models W600 and W620

On these models, the Program Control knob must be at the end of a program (at the 12:00 position) to open the glass door. If you need to stop or interrupt a program after you start the machine, turn the Program Control knob to 10 (Drain). Any water in the machine will be pumped out. Make sure the Program Control knob is at the 12:00 position, then press the Door Open button (⏏) to open the door. To restart the washer, close the door, add detergent (if needed), and turn the controls to the desired settings.

Models W640 and W660

On these models, if you need to open the door during a wash or rinse cycle, press and hold Door Open for three seconds. The machine will stop and automatically drain enough water so the door can be opened safely. The program will resume when you close the door.

Refer to "The door won't open" section in the Troubleshooting chart on page 10 for instructions on how to open the glass door in case of a mechanical failure.

THE OUTER DOOR (W620/W660)

The drop-down outer door is not just to improve the appearance of your ASKO washer. You can pile your

laundry on the door while loading and unloading the washer with complete confidence that the door will hold.

SENSOR LEVEL CONTROL

ASKO washers do not need high, medium, or low water level settings to compensate for different sized loads. ASKO washers have a Sensor Level Control (SLC) system designed to ensure the correct amount of water is pumped into the machine for any size load. It even compensates for fabric saturation, letting in more water if needed. This eliminates worry about selecting the right water level setting for each laundry load.

TEMPERATURE CONTROL

Because wash water temperature is a major factor in getting laundry clean, ASKO washers have built-in heating elements and a sensor that keeps the temperature to within $\pm 1^\circ$ F of the selected program temperature.

ASKO washers are programmed not to advance in a cycle until the selected water temperature is reached, so the length of the cycles may vary, depending upon the household cold water temperature, the amount of laundry in the washer, and the wash temperature setting.

ENZYME STEP

To successfully remove all dirt and stains from fabric, the enzymes in your detergent need to work at a temperature between 105° and 140° F for a longer time period. For this reason, the main wash cycle in a Normal wash program on ASKO washers is 43 minutes (plus the amount of time it takes to heat the water to the selected temperature). This longer wash cycle gives the enzymes in the detergent ample time to remove stains, eliminating the need for stain sprays and spot removers.

The prewash option should be used only for heavily soiled loads. Starting the machine at the main wash stage will save about 25 minutes.

ECONOMY (E²/ECO) OPTION

This option extends the wash time by about 22 minutes. This extended wash time lets you use lower water temperatures (85° – 100° F) and still get the same excellent results with lower energy consumption. This option is also excellent for getting out stubborn stains when used with a higher wash temperature.

MORE RINSE CYCLES

Most washers have only two or three rinse cycles; some have an option to add a fourth. ASKO washers have *five* rinses and a Super Rinse option that adds two more. ASKO washers get the soil and detergent out of your laundry that most other washers leave in. That's why your whites will remain white and your colored fabrics will remain bright.

The Super Rinse option is designed for people with sensitive skin or who are allergic to detergents. It can also be used for large, heavily soiled loads.

SPIN OPTIONS

ASKO washers have faster spin speeds than most other washers, which decreases the time it takes to dry your laundry by up to half. The spin speeds range from 600 rpm to 1600 rpm, depending on the model.

You can also turn the spin cycle off. Using this feature with the Wool/Hand wash program is a perfect substitute for hand washing.

ADVICE FOR PERSONS WITH SENSITIVE SKIN

ASKO washers are ideal for people allergic to detergent. Our Heavy, Normal and Light wash programs have five rinse cycles and a Super Rinse option that adds two more rinses. This ensures that all the detergent residue is rinsed out of your laundry.

As an extra precaution, you should use mild detergents and be careful not to use too much.

PREPARING THE LAUNDRY

We believe ASKO washers clean better than any other washer available on the market. With proper attention to how you prepare your laundry items for washing, your wardrobe and linens will look like new for years.

SORTING THE CLOTHES

Sort clothes by fiber content, color, amount of soil, lint shedding properties (e.g., cotton, chenille, and terrycloth), lint attracting properties (e.g., permanent press, corduroy, velveteen, flannel and synthetics) and those requiring a delicate cycle (e.g., washable wool and silk, nylon).

CARE LABEL INSTRUCTIONS

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.

If the care label says "Wash Separately," the fabric is likely to lose color (excess dye) for the first few washings. To minimize the possibility of the color transferring to white or lighter colored items, wash new colored garments with items of similar color or separately. 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.

RECOMMENDED LOAD SIZES

To reduce wrinkling, you should determine the load size based on the type(s) of fabrics being washed. The chart below gives recommended load sizes for different fabrics.

Load Size	Fabrics
Full	Cotton, linen
Half	Perm press, synthetics, acrylics
Third	Special finish cottons, machine washable wool, silk, acetates

Cotton and Linen Fabrics

These items should be washed in full loads because the tumble action of the tub along with the gentle rubbing and lifting and falling movement of the clothes gives the best cleaning result.

Permanent Press Fabrics

These items need more 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 have only a brief spin cycle and they should be removed promptly from the washer and put directly into the dryer or hung to dry.

Delicate Fabrics

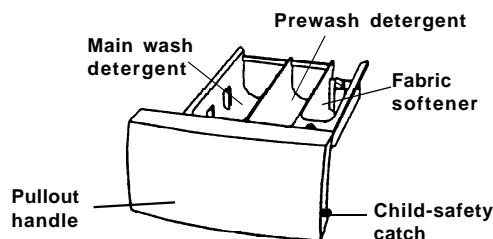
More delicate fabrics, such as machine washable wool and silk, should only be washed in one-third size loads for the best results.

GENERAL LAUNDRY ADVICE

- ◆ Read and follow the care instructions on new garments.
- ◆ Sort laundry by the care instructions and color of the fabric.
- ◆ Do no wash colored fabrics with white and light-colored fabrics.
- ◆ Wash fabrics that produce lint separately (such as towels).
- ◆ Remove any sharp ornaments, pins or buckles to prevent snags.
- ◆ Empty pockets and turn them inside out.
- ◆ Close zippers and hooks to prevent snagging.
- ◆ Tie sashes and strings to prevent tangling.
- ◆ Mend any small rips to prevent them from enlarging.
- ◆ Turn colored cotton garments, velvet and finer knitwear inside out before washing.
- ◆ Turn delicate items, sweaters and T-shirts inside out to prevent pilling and to protect the prints.
- ◆ Prewash severely soiled items.
- ◆ Wash colored fabrics separately the first time.
- ◆ Permanent press items should be washed in half-loads.
- ◆ Thoroughly rinse down items, such as comforters (Super rinse).
- ◆ Use fabric softener to eliminate static electricity in synthetic garments and to soften cotton.
- ◆ Ironing lesser quality cotton items can reduce shrinkage.

THE DETERGENT DRAWER

The detergent drawer on ASKO washers automatically dispenses the detergent and fabric softener at the appropriate times. Simply pour the measured amounts of detergent and softener into the proper compartments (as illustrated) and close the drawer. (as illustrated) and close the drawer.



NOTE: To avoid oversudsing, do not put detergent in the prewash compartment unless you are using one of the Heavy wash programs which has a prewash cycle.

We recommend that you don't use bleach in your ASKO washer. The tumbling wash action, temperature control options, extended wash times and proper amount of detergent are sufficient to remove most stains.

Child-Safe Catch

All ASKO 600-series washers have a child-safe catch on the detergent drawer that can be engaged to prevent a child from opening the drawer and possibly coming into contact with the detergent or fabric softener.

The safety catch is the red plastic piece on the back right side of the pull-out handle. To engage the catch, open detergent drawer a little then pull the catch forward and release it. Once the catch is engaged, you must push it to the left each time you open the detergent drawer.

To disengage the catch, push it to the left then back.

DETERGENTS

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

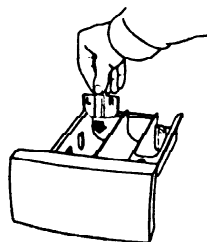
The use of anything other than a low-sudsing detergent can cause severe oversudsing, which could cause suds to backup through the detergent compartment and run down the front of the washer onto the floor. If oversudsing occurs, run the wash through one or more rinse programs until all items are thoroughly rinsed. Remove the laundry then run the washer through a Normal wash program to get rid of any remaining detergent.

Should oversudsing occur, the machine will indicate an error code or message. (See page 9.)

LIQUID DETERGENTS

We don't recommend liquid detergents because they tend to produce more suds than powder detergents when used in water temperatures of 150° F or higher. If you should try a liquid detergent, start with a very small amount, such as **1 to 2 tablespoons**. Also, liquid detergent can be used for all programs without prewash, so add it into the main wash compartment.

Should you prefer to use a liquid detergent, we have provided a partition piece with the detergent drawer specifically for use with liquid detergents. Insert the partition in the slot at the back of the main wash compartment before you pour in the liquid detergent.



RECOMMENDED POWDER DETERGENTS

ASKO washers use 50% to 75% less detergent than most other washers. This is because of their low water consumption and the fact that all the wash water is repeatedly circulated through the laundry, ensuring that all the detergent is fully utilized. We recommend that you use powder detergents made specifically for front-loading washers. These are sometimes called HE (High-Efficiency) detergents. Listed below are some low-sudsing powder detergents that have been successfully tested in ASKO washers:

- | | |
|---------------|-----------|
| ◆ Fab | ◆ All |
| ◆ Amway SA8 | ◆ Tide HE |
| ◆ Fresh Start | ◆ Wisk HE |

We recommend that you do not use any powder detergent that doesn't wash completely out of the detergent drawer.

AMOUNT OF DETERGENT TO USE

The amount of detergent needed varies among the different brands, but for most detergents, **you need only one or two tablespoons**. Using too much detergent can result in detergent residue being left in your clothes, which can cause them to appear gray or dingy. You should start with a small amount of detergent and increase it only if the cleaning results are unsatisfactory.

Additionally, you should never put detergent in the prewash compartment unless you are using a wash program that has a prewash cycle. This could cause excess foaming, which could damage the machine.

The amount of detergent needed can also depend on the hardness of the water in your area. See the "Detergent Amounts Based on Water Hardness" section on the next page for more details.

Detergent Amounts Based on Water Hardness

The amount of detergent needed can vary due to differences in water hardness. To determine the water hardness in your area, contact your local water utility or area water softening company. The harder the water, the more detergent you may need. Refer to the chart below for the recommended detergent amounts based on water hardness. Remember, you should adjust the amount of detergent you use by small amounts until you find the correct amount.

Note that 12 grains and higher is extremely hard water and detergent alone may not be enough. You may need

to use a water softener to maximize the performance of your washer. Also, in areas with extremely hard water (9+) you may need to wash at lower temperatures to prevent hard water deposits from forming in the tank and wash system.

Different brands of detergent have different amounts of phosphorous for softening water. If you have hard water and use a detergent with less than 8.7% phosphorous content, you may need to use more detergent or use a detergent with a higher phosphorous content.

*Recommended Detergent Amounts
Based on Water Hardness*

Water Hardness	Detergent Amounts	
	Prewash	Main Wash
Soft (0-3 grains per gal.)	1 teaspoon	1 to 1-1/2 tablespoons
Medium (4-8 grains per gal.)	1 teaspoon	1 to 2 tablespoons
Hard (9+ grains per gal.)	1 teaspoon	2 to 3 tablespoons

FABRIC SOFTENERS

Fabric softeners are available in several concentrations. We recommend that you use only two tablespoons of

fabric softener. If more softening is desired, try adding slightly more the next time.

RECOMMENDED WASH TEMPERATURES

Different fabrics require different wash temperatures. The table below gives recommended wash temperatures

for different fabrics as well as recommended programs, load sizes, and spin options.

Fabric Type	Wash Temp.	Wash Program	Load Size ⁽¹⁾	Spin Options ⁽²⁾
White cotton w/out elastic and/or decorative trim	140–205° F	Normal	Full	Long spin, high rpm
White cotton w/elastic and/or decorative trim	120–140° F	Normal	Full	Long spin, high rpm
Colored cotton	120–140° F	Normal	Full	Long spin, high rpm
Linen (white and colorfast)	120–140° F	Normal	One-half	Short spin, low rpm
Cotton/polyester blends	105–120° F	Normal/Permanent press	One-half	Short spin, low rpm
Polyester/acrylic blends	105–120° F	Normal/Permanent press	One-half	Short spin, low rpm
Rayon and acetate	105° F	Delicate/Wool	One-half	Short spin, low rpm
Washable silk and nylon	85° F (cold)	Delicate/Wool	One-third	Short spin, low rpm
Washable wool and wool blends	85–105° F (cold)	Delicate/Wool	One-third	Short spin, low rpm
Handwash wool & silk ⁽³⁾	85° F (cold)	Delicate/Wool	One-third	Short spin, low rpm

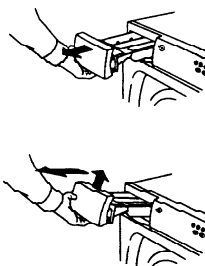
NOTES:

- (1) The load size should be determined by the type of fabric being washed. (See page 4.)
- (2) Spin speed options are not available on all models.
- (3) Some hand-washable wool and silk items should not go through a spin cycle. These items should be removed from the washer then pressed out in a terry towel to remove excess water before being hung up or laid flat to dry.

CARE AND CLEANING INSTRUCTIONS

CLEANING THE DETERGENT DRAWER

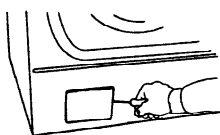
1. Pull the drawer out as far as it goes then lift it up and pull it out completely, as illustrated.
2. Clean the drawer with a soft brush under warm running water. *Do not put the drawer in a dishwasher.*
3. Replace the drawer by tilting it into position.



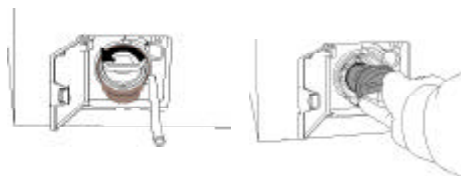
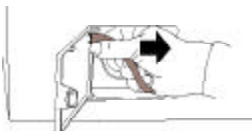
CLEANING THE PIN TRAP

Your washing machine has a pin trap designed to trap pins, hairpins, coins and similar items. This trap should be cleaned occasionally. To do this, follow the steps below:

1. Make sure as much water as possible is drained out of the tub then turn off the power to the machine.
2. Using the flat edge of the liquid detergent partition piece, a flathead screwdriver or similar item, gently pry open the drain pump cover, as illustrated.
3. There is always a small amount of water in the drain pump area. Before you open the drain cover, place a shallow container, such as a pie pan, on the floor below the drain to catch the water.



4. Pull the small black drain hose loose from its position on the door cover and let the water drain into the pan.
5. Unscrew the pin trap cover and lift it out.



6. You can now clean out any grit or small objects. You should also clean the pump rotor at the back of the pump housing.



7. Replace the drain cover and return the drain hose to its position on the door.

CLEANING THE CONTROL PANEL

To clean the control panel, use only a warm, damp rag. To prevent penetration of water into the door lock and electrical components, **never use a spray of any kind**. Also, never use abrasive cleaners or scouring pads on the outer surfaces because they will scratch the finish and they could remove the writing on the control panel. Some paper towels may also scratch the finish.

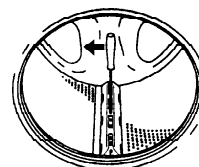
WARNING!

Never spray clean the control panel. You could damage the electrical components. Also, never use abrasive cleaners, scouring pads or paper towels on the outer surfaces because they will scratch the finish and they could remove the writing on the control panel.

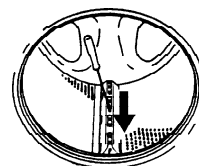
REMOVING AN OBJECT FROM BETWEEN THE DRUM AND OUTER CONTAINER

Occasionally, a small item may fall between the drum and the outer container. Such items should be removed because they could corrode and cause rust stains on the laundry. To remove the item, follow the instructions below:

1. Insert a flathead screwdriver in the center hole in the paddle and carefully push it to the left.



2. Grip the paddle with your other hand and pull it toward you.



3. Lift up the paddle and remove the object.
4. Replace the paddle in its fixing hole with the F-mark toward you. Check that the paddle clips are properly located in the slots and slide the paddle toward the back as far as it will go.

REMOVING HARD WATER STAINS FROM THE DRUM

If you live in an area with hard water, the washer drum may become coated with a grey-white deposit. To remove it, pour about an ounce of citric acid in the drum and run a Normal wash program at 205° F.

COMMON LAUNDRY PROBLEMS

Most items can be safely washed in an ASKO washing machine. We recommend that you follow the care label instructions as closely as possible for the best cleaning results. Should problems occur, below are some possible causes and suggested solutions.

NOTE: ASKO has no control over what is put in our appliances once installed in a customer's home. **You are solely responsible for what you wash in your ASKO washing machine.**

Problem	Possible Cause	Suggested Solution
Graying	<p>Not enough detergent</p> <p>Water not hot enough</p> <p>Improperly prewashed or presoaked</p> <p>Washer overload</p> <p>Soap used in hard water areas</p>	<p>You may need to add slightly more detergent if clothes are heavily soiled, have oily stains, or if your water is very hard.</p> <p>Select a hotter temperature setting for each type of load.</p> <p>Be sure to add a prewash and/or presoak for heavily soiled or oily items.</p> <p>Once wet, the clothes must have room to tumble freely, especially synthetics and permanent press.</p> <p>Be sure you use a laundry detergent, not a "soap." Soap reacts with the minerals in hard water to form a soap curd, which can be deposited on clothes.</p>
Lint or residue left on clothes	<p>Improper sorting of clothes</p> <p>Non-phosphate detergent</p> <p>Fabric softener used improperly</p> <p>Pilling</p>	<p>Separate clothes that shed lint (chenille and terrycloth) from clothes that attract lint (synthetics, corduroy, velveteen).</p> <p>Non-phosphate detergents can combine with minerals in hard water and form a residue which can appear to be lint. Use a low phosphate detergent. If possible, install a water softener.</p> <p>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.</p> <p>Pilling, which can look like lint, is produced by normal wear on cotton/polyester blend fabrics. To reduce pilling, wash these fabrics inside out. For the best results, wash in the delicate cycle.</p>
Yellowing	<p>Not enough detergent</p> <p>Water not hot enough</p> <p>Iron or manganese in water</p>	<p>Add slightly more detergent.</p> <p>Use the hottest recommended temperature for each type of load.</p> <p>If possible, install a water filter. A small amount of Calgon or other type of water conditioner added once a week is advisable in hard water areas.</p>
Shrinkage	<p>Improper washing or drying</p>	<p>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.</p>
Knit shrinkage	<p>Overheating</p> <p>Delayed or gradual shrinkage</p> <p>Poor construction</p>	<p>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.</p> <p>This can occur when special stabilizing finishes are reduced from wear or repeated washings. Garment may sometimes be reshaped by pressing after washing and drying.</p> <p>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.</p>
Fading and discoloring	<p>Improper sorting</p> <p>Crayons or pens in pockets</p> <p>Water too hot</p>	<p>Dark clothes, especially cottons, can bleed excess dyes into wash water. White or light-colored clothes can absorb the dye and discolor. Separate light items from dark items.</p> <p>Always empty all pockets before washing.</p> <p>Cool or cold water is best for retaining dark or bright colors.</p>
Stains	<p>Incorrect water temperature</p> <p>Old stains</p>	<p>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.</p> <p>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.</p>

COMMON LAUNDRY PROBLEMS (CONTINUED)

Problem	Possible Cause	Suggested Solution
Excessive wrinkling	Machine too full Water too hot	Permanent press items should be washed in half-loads to prevent wrinkling. If possible, use a slower spin speed. Use lower wash temperature settings.
Rips, snags, excess wear	Sharp objects in pockets Hooks, snaps, zippers, buckles Harsh chemicals Existing rips and tears Permanent press items	Empty all pockets and turn inside out before laundering. Fasten all hooks, snaps, and zippers before laundering to avoid snags. Remove sharp buckles. Turn knits inside out. Before washing, rinse harsh chemicals (such as battery acid, hair care chemicals, cleaning solutions, etc.) from towels and other articles to avoid holes in fabrics. Do not allow these unrinsed items to contact other fabrics. Mend all garments before laundering to prevent enlarging of rips. These items may fray at edges from normal wear, not the washer. Wash only in half loads and don't wash in the same load with heavy items, such as towels or jeans.

FAULT CODES – W600/W620

The Program Control knobs on the W600/W620 have two fault codes: *C* and *S*. If the knob stops on one of these, the machine detected a problem.

***C* Position**

This indicates a problem that can probably be taken care of without calling a service technician. Here are some possible problems:

- ◆ Power interruption.
- ◆ Water not draining out.

- ◆ Water not filling machine.
- ◆ The machine didn't spin.

Refer to the "Troubleshooting" section on the next page for possible causes and solutions. If none of these work, call a service technician.


***S* Position**

If the knob stops on *S*, this indicates a mechanical problem and you will probably need to call a service technician.

ERROR MESSAGES – W640/W660

Error messages will display in the LED window if faults occur while a program is in progress. The table below defines each possible error message.

To remove the message, turn the power off or change the program.

ERROR MESSAGE	SOLUTION
	When this symbol flashes at the lower right corner of the display it merely means the glass door isn't closed securely. Close the door and try again.
0000	If this message flashes at the top right of the LED window, the machine has failed to spin. This could be because the load is out of balance. Turn the power off then on again. Open the door and redistribute the washing. Run the Spin program again.
Door lock fault	Call a service technician.
Foaming	Run the Rinse program again. Try using less detergent and softener. Use low-sudsing detergents. (See page 5.)
Overflow	Call a service Technician
Pressure sensor	Call a service technician.
Temperature stop	Call a service technician.
Thermistor	Call a service technician.
Wash motor	Call a service technician.
Water inlet	Make sure the water tap is open.
Water outlet	Check the pin trap for possible blockage. Make sure the outlet hose isn't kinked.

TROUBLESHOOTING

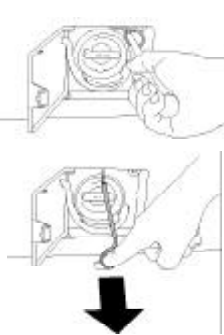
If you should experience a problem with your washer, you should review the following list of frequently encountered situations. It could save you the cost and inconvenience of a service call.

Even though the product is under warranty, if the problem

is not caused by defective workmanship or materials, you will be charged for a service call. Refer to page 17 to determine what is and is not covered under your warranty. If you're still not sure, contact the ASKO Advisory Center before you call a service technician.

The door won't open.

- ◆ Make sure the power to the unit is on. If the power is on and the indicator lamp is not lit, there is no power supply. Check that the machine is properly plugged into the electrical outlet. If it is, the fuses may be blown. Call a service technician.
- ◆ Make sure all the water has drained out.
- ◆ If there is no water in the machine and the door won't open in the normal manner, you should be able to open it manually, as follows:
 1. Make sure the tub is as empty as possible and the power is turned off.
 2. Using the flat edge of the liquid detergent partition piece, a flathead screw-driver or similar item, gently pry open the drain pump cover.
 3. Using a T20 or flathead screwdriver, unscrew the red plastic looped handle.
 4. Pull the handle toward you. The door should open.



The machine doesn't fill.

- ◆ Make sure the tap to the water supply line is open.
- ◆ Turn off the water supply then disconnect the inlet hose and check to see if the strainer in the inlet connection is blocked.

The machine won't start.

- ◆ Check that the glass door is closed securely.
- ◆ Make sure the power switch is turned on.
- ◆ If the power switch is on and the indicator lamp is not lit, there is no power supply. Make sure the machine is properly plugged into the electrical outlet.
- ◆ Check the house breaker switch/fuses.

The machine will not spin.

- ◆ Make sure the pin trap or outlet hose isn't blocked. Clean if necessary. (See page 7.)
- ◆ Make sure the No Spin option is turned off.
- ◆ If a load is out of balance, the washer will rotate a few seconds to redistribute the load then attempt to spin again. It will do this up to ten times at a high spin speed (1000 rpm or higher). If it still isn't balanced, it will advance the timer with no spin.

Extreme vibration during spin cycle.

- ◆ Make sure the packaging and shipping supports were removed properly. (See page 14.)
- ◆ Check that the machine is level.
- ◆ Adjust machine feet and tighten locknuts. (See page 14.)

Oversudsing.

- ◆ Too much detergent could cause suds to backup through the detergent compartment and run down the front of the washer onto the floor. The suds will condensate into water and form a small puddle on the floor. (See page 5 for detergent recommendations.)

Washer stops during cycle.

- ◆ It is normal for the machine to pause occasionally during operation, especially between cycles and during the delicate wash program.
- ◆ Make sure the No Spin option isn't turned on.
- ◆ If the power switch is on and the indicator lamp is not lit, there is no power supply. Make sure the machine is properly plugged into the electrical outlet.
- ◆ Check the house breaker switch/fuses.

Foam in the final rinse water.

- ◆ Make sure nothing is blocking the outlet hose.
- ◆ Check for kinks in the outlet hose.
- ◆ Make sure the pin trap isn't blocked. (See page 7.)
- ◆ Make sure that no part of the hose (including any joints) is less than 3/4" (15 mm) in diameter.

Water left in the machine after final spin.

- ◆ Make sure the No Spin option isn't turned on.
- ◆ Make sure the pin trap isn't clogged. (See page 7.)
- ◆ Make sure the outlet hose isn't clogged.
- ◆ Check for kinks in the outlet hose.
- ◆ Make sure that no part of the outlet hose (including any joints) is less than 3/4" (15 mm) in diameter.

Water leaks.

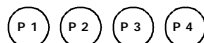
- ◆ All hoses should be inspected at least once a year. If they show signs of cracking, they should be replaced.
- ◆ Check to see if hose connections at faucets are tight.
- ◆ Make sure the end of the outlet hose is securely inserted into the drain receptacle.
- ◆ Make sure nothing is caught between the Smart Seal and the tank, such as apron strings, small handkerchiefs, socks, etc.

W640/W660 – CUSTOMIZING THE PRESET PROGRAMS

ASKO's EasyControl™ panel makes it simple to customize the preset programs to perfectly fit your laundry needs. You needn't worry about making an error

because you can easily restore the original program settings.

THE PRESET PROGRAMS



Before we tell you how to customize the preset programs, you need to review what these programs are. The table below lists the four preset programs and the pre-programmed settings for each. To select a program, simply press one of the program buttons then press Start.

Remember, you can temporarily adjust the temperature setting and spin speed for a preset program. (See "Making Temporary Program Changes" on your *Quick Start Guide*.)


Preset Program	Wash Cycle	Types of Laundry	Wash Temp ⁽¹⁾	Spin Speed ⁽¹⁾⁽²⁾	# of Rinses	# Short Spins	Long Spin
P1	Normal	White cotton	140° F	1600 rpm ⁽³⁾	5	2	yes
P2	Normal	Normal/Perm Press	105° F	1600 rpm ⁽³⁾	5	2	yes
P3	Super Quick	Lightly soiled cotton/perm press	105° F	1600 rpm ⁽³⁾	2	0	yes
P4	Wool/Hand	Washable wool, silk, nylon	85° F	800 rpm	3	1	no


WARNING! Some fabrics may not be able to withstand extremely hot temperatures. Please refer to the "Recommended Wash Temperatures" section on page 6.

- NOTES:** (1) You can temporarily adjust the temperature and spin speed settings. (See "Temporary Program Changes" below.)
- (2) The spin speeds in the preset programs are the maximum speed settings for these specific wash programs (except Super Quick).
- (3) Model W640 has a maximum spin speed of 1400 rpm.

TEMPORARY PROGRAM CHANGES

You can make temporary changes to the wash temperature and/or spin speed on the preset programs. Simply press the button for the preset program you want to use then follow the instructions to the right. The settings will revert to normal at the end of the program.

Temperature – Press  until the desired temperature displays in the LED window. If you also want to change the spin speed, read the following paragraph, otherwise, press START.

Spin Speed – Press  until the desired spin speed displays in the LED window then press START.

ALL PROGRAMS

In addition to the preset programs listed above, you can customize the preset buttons to use any of the programs listed in the table below.

This table also lists the pre-programmed settings for each program. For example, if you select Light wash on

the program menu, it is automatically programmed to wash at 105° F using a normal wash action, rinse three times then do a short spin, then rinse two more times, do a long spin and drain. You can modify some of these settings. See "Program Options" on page 12.

Program	18-min Cold Prewash	Temp Setting (° F)	Main Wash Action	Short Spin	# of Rinses	Short Spin	# of Rinses	Long Spin	Drain
Heavy wash	yes	140°	Normal	yes	3	yes	2	yes	yes
Normal wash	no	140°	Normal	yes	3	yes	2	yes	yes
Light wash	no	105°	Normal	yes	3	yes	2	yes	yes
Super Quick wash	no	105°	Normal	no	2	no	no	yes	yes
Synthetic wash	no	105°	Normal	no	3	yes	no	no	yes
Wool/Hand wash	no	85°	Gentle	no	3	yes	no	no	yes
Rinse	no	N/A	N/A	no	1	no	no	yes	yes
Spin	no	N/A	N/A	N/A	N/A	N/A	N/A	yes	yes
Drain	no	N/A	N/A	N/A	N/A	N/A	N/A	N/A	yes

PROGRAM OPTIONS

The following table lists the options available with each wash program. The programs and options are described in detail below. It's a good idea to scan through the menus a couple of times and familiarize yourself with the options before you make any changes. And remember, it's easy to restore the preset programs.

WASH PROGRAMS	Temp Setting (° F)	Spin Speed (rpm) ⁽¹⁾	OPTIONS (On/Off)						
			Pre-Soak	Quick Wash	Eco-nomy	Super Rinse	Short Spin	Long Spin	Drain ⁽²⁾
Heavy	Cold, 85°–205°	600-1600	yes	yes	yes	yes	yes	yes	yes
Normal	Cold, 85°–205°	600-1600	yes	yes	yes	yes	yes	yes	yes
Light	Cold, 85°–205°	600-1600	yes	no	yes	yes	yes	yes	yes
Super Quick	Cold, 85°–205°	600-1600	yes	no	no	yes	yes	yes	yes
Synthetic	Cold, 85°–205°	600-800	yes	no	no	yes	yes	yes	yes
Wool/Hand	Cold, 85°–104°	600-800	yes	no	no	yes	yes	yes	yes

NOTES: (1) The maximum spin speed for the W640 is 1400 rpm. The maximum spin speed for the W660 is 1600 rpm.

(2) You can only turn Drain off if Spin is also turned off. To drain the machine, press the Door Open button.

OPTION DEFINITIONS

The table below explains the function of the options listed above.

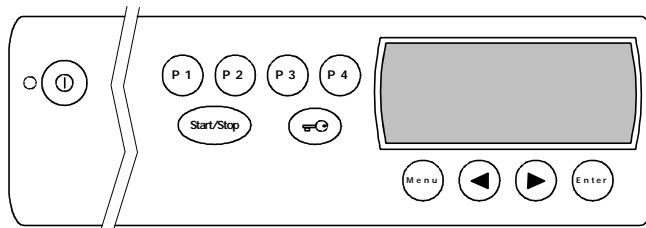
Option	Set this option to <i>On</i> to:
Presoak	Get a two-hour presoak before the wash program starts. For heavily soiled items. Only available with the wash programs.
Quick wash	Shorten the main wash by 27 minutes. Only available with the Heavy and Normal wash programs.
Economy	Extend the main wash time by 22 minutes. When used with low wash temperatures (85°–100° F), this program conserves energy but gives the same high level of cleaning. Can also be used with higher temperature settings to clean heavily soiled items. Only available with the Heavy, Normal, and Light wash programs.
Super rinse	Get two additional rinses. Recommended for persons with sensitive skin or allergies. Only available with the wash programs.
Short spin	Omit the long spin.
	Set this option to <i>Off</i> to:
Spin	Omit both the long and short spin cycles.
Drain	Omit the drain cycle. The washer stops with water in the machine. You can only select this option if you have also set the Spin to Off. For use with programs such as Wool/Hand wash. To drain the washer, press the Door Open button.
Delayed Start	This option lets you set a delay start for up to 12 hours. This feature is useful in areas where utility companies offer discount rates during certain hours. See page 13 for instructions on how to set a delayed start.

NOTE: The main wash cycle in a Normal program is 43 minutes.

CUSTOMIZING THE PROGRAM BUTTONS (P1-P4)

Below are the basic instructions for changing a preset wash program. The following paragraphs explain the menus and how to navigate them.

1. Press the button for the preset program you want to change. The program you select will display in the lower left corner of the LED window.
2. Press **MENU** to display different program and option settings.
3. Press the **Arrows** to move forward or backward through the menu settings.
4. Press **ENTER** to choose your selection.



NAVIGATING THE MENUS

The following paragraphs explain how to navigate through the menus and change the preset programs. If you don't want to make changes in all of the menus, continue to press MENU until the one you do want to change displays.

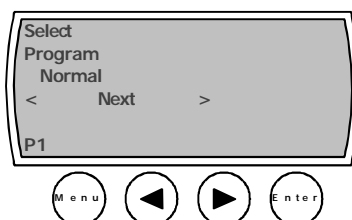
To restore a preset program to its original settings, simply press the button for the preset program you want to restore and hold it down while you press ENTER. The program will revert to its original settings.

We recommend that you make two or three trial changes to understand how easy it is to customize these programs.

Remember, the first step to customizing a preset program is to press the button for the program you want to customize.

The Program Menu

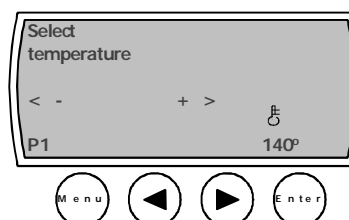
The Program menu lets you set the wash program you prefer. You would also use this menu to set the machine for a rinse, spin, or drain program.



1. Use the Arrow buttons to move through the program choices (Heavy, Normal, Light, etc.)
 2. When your preference displays, press ENTER. The LED will display the new program setting.
- Press MENU to advance to the next menu.

The Temperature Menu

This menu lets you set the wash temperature. Only the temperatures available for the wash program you selected will display.

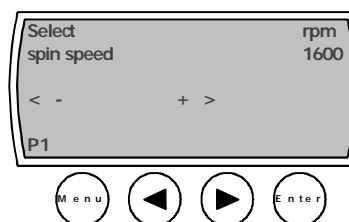


1. Use the Arrow buttons to raise or lower the temperature setting.
2. When the temperature you prefer displays, press ENTER. The LED will display the new temperature setting.

Press MENU to advance to the next menu.

The Spin Speed Menu

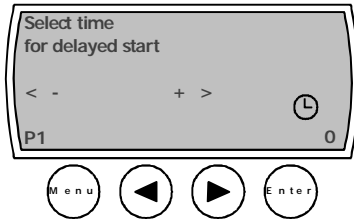
This menu lets you set the spin speed. Only the spin speeds available for the wash program you selected will display.



1. Use the Arrow buttons to raise or lower the spin speed setting.
 2. When the spin speed you prefer displays, press ENTER. The LED will display the new spin speed.
- Press MENU to advance to the next menu.

The Delayed Start Menu

This menu lets you set a delayed start from 1 to 12 hours. This means you can set the washer to start at the most convenient time for you, such as an hour before you arrive home from work. This feature is also useful in areas where utility companies offer discount rates during certain hours.

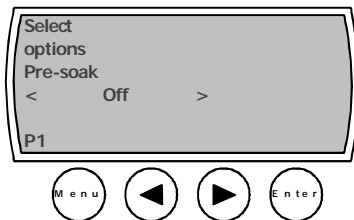


1. Use the Arrow buttons to increase or decrease the delay time. (The numbers indicate hours.)
2. When the number of hours you want to delay starting the machine displays, press ENTER. The LED will display the delay start time.

Press MENU to advance to the next menu.

The Options Menu

This menu lets you set several options. Only the options available with the wash program you selected will display. (See "The Program Menu" table on page 11.)



1. On this menu, you press ENTER to advance through the options, rather than pressing MENU.
2. Press an Arrow button to toggle between Off and On.
3. When your preference displays, press ENTER. The LED will display the new options. Continue to press ENTER until the LED displays your new program.

RESTORING A PRESET PROGRAM

To restore a preset program to its original settings, simply press the button for the preset program you want to restore and hold it down while you press ENTER. The program will revert to its original settings.

NOTE: If you change the **P3** program then decide to restore its original settings, after pressing **P3** and **ENTER**, you must go into the Options menu (see page 14) and turn off Short Spin.

CHANGING THE LANGUAGE ON THE LED WINDOW

There are eleven languages available for the LED window:

◆ English	◆ Swedish
◆ French	◆ Danish
◆ Spanish	◆ Norwegian
◆ Portuguese	◆ Netherlands
◆ Italian	◆ Finnish
◆ German	

To change the language, follow the steps below:

1. Turn the machine off then on again.
2. Press ENTER five times in succession then press P1 five times. (This must be done within 15 seconds.)
3. When the Language menu displays, press an Arrow button to advance through the menu to the desired language.
4. Once the correct language displays, press ENTER to program the LED window to display the language you selected.

CHANGING THE TEMPERATURE READOUT ON THE LED WINDOW FROM CELSIUS TO FAHRENHEIT

You can change the temperature readout on the LED window from Celsius to Fahrenheit and vice versa. To do this follow the steps below:

1. Turn the machine off then on again.
2. Press ENTER five times in succession then press P2 five times. (This must be done within 15 seconds.)
3. When the Temperature menu displays, press an Arrow button to toggle between Fahrenheit and Celsius.
4. When your preference displays, press ENTER to program the LED window to display the temperature reading you selected.

CHILD-SAFE START (W640/W660)

As a safety measure, you can program the W640 and W660 not to start unless the START button is held down for three seconds. To do this, follow the steps below:

1. Turn the machine off then on.
2. Press ENTER five times, then press P3 five times. (This must be done within 15 seconds.)
3. "Delayed start" displays with "0" flashing in the lower right corner. Press the right Arrow button to toggle the display to "3."

Child-Safe Menu Button

Please note that when you set the child-safe Start button, the Menu button is *automatically* programmed to delay for three seconds before it becomes active. This prevents a child from accidentally changing the program settings.

When you want to change a program, press the Menu button for three seconds to activate the menus. The Menu button will work normally (without the 3-second delay) until you have completed your changes. If it is not pressed for two minutes, it will automatically revert back to the child-safe mode.

INSTALLATION INSTRUCTIONS

Read these instructions carefully and completely before you install the machine. The installation should be carried out by a qualified person who is familiar with all local codes and ordinances for electrical and plumbing connections.

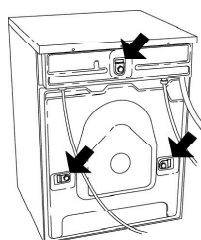
NOTE: Cosmetic damage must be reported to your dealer within five days from the date of purchase. After unpacking the washer, thoroughly check the unit for cosmetic damage.

SPECIFICATIONS

Height	33-1/2"-34-1/2" (850-876 mm)	Drum and Barrel	Stainless steel
Width	23-7/16" (595 mm)	Outer casing	Stove-enamelled hot-dipped galvanized steel
Depth	W640/W660: 23-7/16" (595 mm) W600/W620: 24-7/16" (620 mm)	Mounting	Four adjustable rubber-covered feet
Weight	167 lbs. (73 kg)	Inlet supply hose	5 ft. (1.5 m) PEX tubing with brass ferrules
Rated load	See data plate	Supply pressure	15-142 PSI
Supply voltage	Single-phase 230 V, 60 Hz	Outlet hose	5.5 ft. (1.7 m) polypropylene hose, 3/4" ID
Heating element	2000 W		
Fuse	15 A		

REMOVING THE SHIPPING SUPPORTS

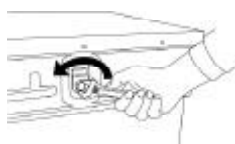
The machine is transported with three shipping supports, as illustrated below. These supports hold the tub in place during shipment. When you unpack the machine, you must remove these supports.



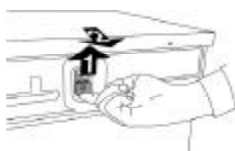
You must remove the shipping supports before you install the washer.

To remove these supports, follow the instructions below:

1. Unscrew the 5/8" (13 mm) bolts holding the supports in place and remove the bolts.



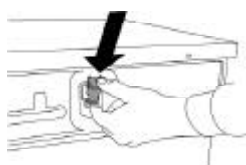
2. Push the rubber spacer up then pull it out of the slot.



3. Rotate the spacer so that the extruded end points toward the machine.



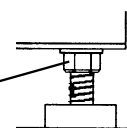
4. Insert it into the slot and push down to lock it into position.



ADJUSTING THE FEET

It is important that the machine is level so it won't vibrate excessively during the spinning cycles. Each foot on the washer is adjustable, so you can level the washer on any surface. Once it is level, securely tighten the lock nuts on the feet to prevent excessive vibration during the spin cycles.

Be sure to tighten the lock nuts securely when you level the machine.



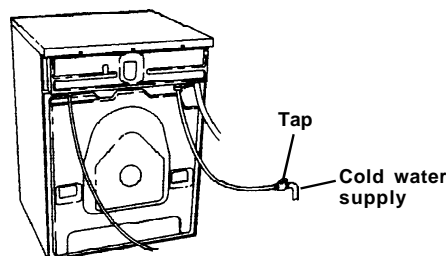
WATER SUPPLY CONNECTION

Because ASKO washers have their own heating element, you only need to have a cold water inlet. The connection should be made by someone who is sufficiently skilled. Use the hose supplied with the washer.

Water pressure must be in the range of 15-146 PSI.

A tap should be fitted on the water supply pipe.

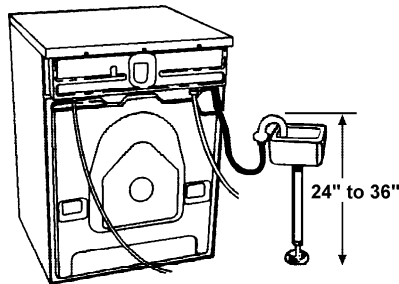
If a new supply pipe has been installed for the washer, it should be flushed thoroughly to remove any foreign particles that might clog the strainer in the water inlet.



DRAIN OUTLET CONNECTION

The machine is supplied with the outlet hose already attached. The hose should be extended over a suitable sink edge or drain pipe at a height of 24" to 36" (600 mm to 900 mm) above the floor. (The lower height is preferable.) Make sure that the hose is not kinked.

NOTE: If the hose is extended, the internal diameter of the coupling must not be less than 1/2".



WARNING! Do not extend the drain hose higher than 36" (900 mm).

ELECTRICAL CONNECTIONS

The machine is delivered ready-fitted with a plug and is intended for connection to an ASKO Dryer, which is equipped with a matching receptacle. 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 a separate 220 V single-phase circuit.

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

As supplied: 230 V, 60 Hz
2000 W heating element
15 A fuse required

WARNING! 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.

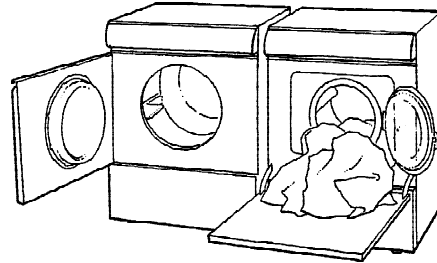
WARNING! Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the appliance is properly grounded.

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.

FREESTANDING INSTALLATION

The washer can be placed next to the dryer.

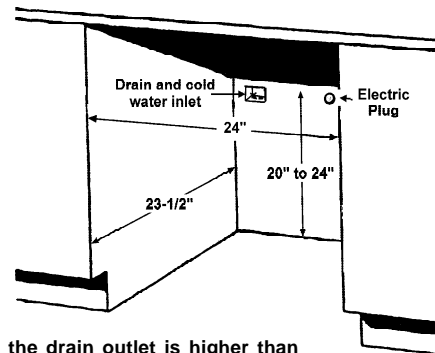
It is essential that the machine is leveled and the locknuts are tight to prevent excessive vibration during the spin cycles. Also be sure to leave a minimum of 1/2 inch (12.5 mm) of space between the washer and the dryer.



BUILT-IN INSTALLATION

ASKO washers can be installed beneath a cabinet or worktop with a height of 34". There must be a gap of about 1/4" (.64 mm) all around the machine, including between the rear edge of the machine top panel and the back wall. The opening width must be at least 24" (600 mm).

Space must also be available for the inlet and drain hoses. See the diagram below for measurements and positions.



If the drain outlet is higher than 24", you will need to recess the connections.

NOTE: The height adjustment for the washer is 33-1/2" to 34-1/2" (850 mm to 876 mm). Do not raise it higher than 34-1/2".

STACKED INSTALLATION

ASKO washers should never be stacked on a counter or a dryer. You can, however, stack an ASKO dryer on an ASKO washer. Refer to your *Dryer Use and Care Guide* for instructions on how to do this.

ASKO PRODUCT WARRANTY

MODELS W600, W620, W640, W660

Be sure to complete the Warranty Registration Card you received with your appliance and mail it to ASKO to validate your appliance warranty.

FOR RESIDENTIAL INSTALLATIONS ONLY

LENGTH OF WARRANTY	ASKO WILL PAY FOR:
<i>Three-Year Full Warranty</i> 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 agent.
<i>Fourth & Fifth Year Limited Warranty</i> Three year full plus fourth and fifth year limited from date of purchase.	ASKO replacement parts for any defective solid-state controls, timers, motors, or pumps.
<i>Lifetime Warranty</i>	ASKO will replace the stainless steel inner or outer drum if it rusts or fails to hold water.

ENGLISH

ASKO WILL NOT PAY FOR:

- A. Service calls to:
 - 1. Correct the installation of the appliance.
 - 2. Repair damage due to shipment, delivery, installation, misuse or abuse.
 - 3. Instruct how to use the appliance.
 - 4. Replace house fuses or correct house wiring.
 - 5. Correct house plumbing, including drain problems related to improper installation.
 - 6. Clean or service air device in drain line.
- B. Repair and/or replacement parts for failure of product if appliance is used for other than home/residential 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 shipping costs for parts during the limited warranty period.
- E. Replacement parts or repair labor costs for units operated outside the Continental United States.
- F. Pickup and delivery. ASKO washers are designed to be repaired in the home.

IN NO EVENT SHALL ASKO USA INC. BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL 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 warranty gives you specific legal rights and you may also have other rights which vary from state to state.

For warranty 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 can not be resolved locally write:

ASKO USA Inc.
P. O. Box 851805
Richardson, Texas 75085-1805
or call our
Customer Service Center at
800-898-1879 or 972-238-0794

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WASHER USE AND CARE GUIDE

ENGLISH

IMPORTANT!
To get the best performance from
your washer, read all operating
instructions before using it for
the first time.



FRANÇAIS

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ESPAÑOL

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

IMPORTANT SAFETY INSTRUCTIONS

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

- ◆ Read all instructions before using the appliance.
- ◆ Do not run appliance while you are out of the home.
- ◆ Do not allow children to play on or in the appliance. Close supervision of children is necessary when the appliance is used near children.
- ◆ Before the appliance is removed from service or discarded, remove the door to the washing compartment.
- ◆ Do not reach into the appliance if the drum is moving.
- ◆ Do not install or store this appliance where it will be exposed to the weather.
- ◆ Do not tamper with controls.
- ◆ 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.
- ◆ 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.
- ◆ 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.

WARNING!

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

WARNING!

This appliance must be properly grounded. 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.

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

NOTE: This manual does not cover every possible condition and situation that may occur. Use common sense and caution when installing, operating, and maintaining any appliance.

CHILD SAFETY FEATURES

CHILD-SAFE DETERGENT DRAWER

ASKO washers have a child-safety catch on the detergent drawer that can be engaged to prevent a child from opening the drawer and possibly coming into contact with the detergent or fabric softener. Refer to page 5 for instructions on how to engage the child-safe catch.

CHILD-SAFE TEMPERATURE KNOB

Models W600 and W620 have a child-safety catch that can be engaged to prevent children from tampering with the temperature knob. The catch is located below the temperature knob behind the edge of the control panel. To engage it, insert a flathead screwdriver in the slot on the catch. Press upwards as you turn the catch clockwise. When you release the catch it should protrude slightly below the control panel.

Once the catch is engaged, you must hold it up as you turn the temperature knob to the desired setting.

CHILD-SAFE START

You can program Models W640 and W660 not to start unless the Start button is held down for three seconds. This is to prevent children from inadvertently starting

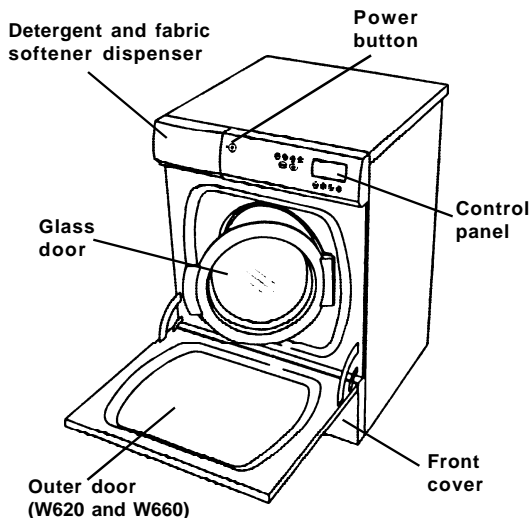
the machine. Refer to page 14 for instructions on how to program this safety feature.

MORE CHILD-SAFETY TIPS

- ◆ Laundry detergents are corrosive, so always keep them out of reach of children.
- ◆ Should a child swallow detergent, give plenty to drink immediately, i.e., one or two glasses of milk or water. Do not try to induce vomiting. Seek medical advice immediately: **1-800-POISON1**
- ◆ Always close the door and start the appliance as soon as you put in the detergent.
- ◆ Always turn the power off to the machine when it is not in use.
- ◆ Always keep small children away from the machine when it is open. There may be some detergent residue left inside the machine.
- ◆ If laundry detergent gets in someone's eyes, rinse them with plenty of water for at least 15 minutes.
- ◆ Do not allow children to use or play on or in the appliance.

ASKO WASHER FEATURES

Your new energy-efficient ASKO washer is designed to give you maximum cleaning performance using less water, energy and detergent. To make the most of the washer's functions and features, we recommend that you read this manual carefully before using your machine for the first time. For operating instructions, refer to the *Quick Start Guide* enclosed with this manual. Below is an illustration of the parts and features of your ASKO washer.



THE GLASS DOOR

To open the glass door, the power to the machine must be on and you must press the Door Open button (⏏). There will be a few seconds delay before the door opens.

Models W600 and W620

On these models, the Program Control knob must be at the end of a program (at the 12:00 position) to open the glass door. If you need to stop or interrupt a program after you start the machine, turn the Program Control knob to 10 (Drain). Any water in the machine will be pumped out. Make sure the Program Control knob is at the 12:00 position, then press the Door Open button (⏏) to open the door. To restart the washer, close the door, add detergent (if needed), and turn the controls to the desired settings.

Models W640 and W660

On these models, if you need to open the door during a wash or rinse cycle, press and hold Door Open for three seconds. The machine will stop and automatically drain enough water so the door can be opened safely. The program will resume when you close the door.

Refer to "The door won't open" section in the Troubleshooting chart on page 10 for instructions on how to open the glass door in case of a mechanical failure.

THE OUTER DOOR (W620/W660)

The drop-down outer door is not just to improve the appearance of your ASKO washer. You can pile your

laundry on the door while loading and unloading the washer with complete confidence that the door will hold.

SENSOR LEVEL CONTROL

ASKO washers do not need high, medium, or low water level settings to compensate for different sized loads. ASKO washers have a Sensor Level Control (SLC) system designed to ensure the correct amount of water is pumped into the machine for any size load. It even compensates for fabric saturation, letting in more water if needed. This eliminates worry about selecting the right water level setting for each laundry load.

TEMPERATURE CONTROL

Because wash water temperature is a major factor in getting laundry clean, ASKO washers have built-in heating elements and a sensor that keeps the temperature to within $\pm 1^\circ$ F of the selected program temperature.

ASKO washers are programmed not to advance in a cycle until the selected water temperature is reached, so the length of the cycles may vary, depending upon the household cold water temperature, the amount of laundry in the washer, and the wash temperature setting.

ENZYME STEP

To successfully remove all dirt and stains from fabric, the enzymes in your detergent need to work at a temperature between 105° and 140° F for a longer time period. For this reason, the main wash cycle in a Normal wash program on ASKO washers is 43 minutes (plus the amount of time it takes to heat the water to the selected temperature). This longer wash cycle gives the enzymes in the detergent ample time to remove stains, eliminating the need for stain sprays and spot removers.

The prewash option should be used only for heavily soiled loads. Starting the machine at the main wash stage will save about 25 minutes.

ECONOMY (E²/ECO) OPTION

This option extends the wash time by about 22 minutes. This extended wash time lets you use lower water temperatures (85° – 100° F) and still get the same excellent results with lower energy consumption. This option is also excellent for getting out stubborn stains when used with a higher wash temperature.

MORE RINSE CYCLES

Most washers have only two or three rinse cycles; some have an option to add a fourth. ASKO washers have *five* rinses and a Super Rinse option that adds two more. ASKO washers get the soil and detergent out of your laundry that most other washers leave in. That's why your whites will remain white and your colored fabrics will remain bright.

The Super Rinse option is designed for people with sensitive skin or who are allergic to detergents. It can also be used for large, heavily soiled loads.

SPIN OPTIONS

ASKO washers have faster spin speeds than most other washers, which decreases the time it takes to dry your laundry by up to half. The spin speeds range from 600 rpm to 1600 rpm, depending on the model.

You can also turn the spin cycle off. Using this feature with the Wool/Hand wash program is a perfect substitute for hand washing.

ADVICE FOR PERSONS WITH SENSITIVE SKIN

ASKO washers are ideal for people allergic to detergent. Our Heavy, Normal and Light wash programs have five rinse cycles and a Super Rinse option that adds two more rinses. This ensures that all the detergent residue is rinsed out of your laundry.

As an extra precaution, you should use mild detergents and be careful not to use too much.

PREPARING THE LAUNDRY

We believe ASKO washers clean better than any other washer available on the market. With proper attention to how you prepare your laundry items for washing, your wardrobe and linens will look like new for years.

SORTING THE CLOTHES

Sort clothes by fiber content, color, amount of soil, lint shedding properties (e.g., cotton, chenille, and terrycloth), lint attracting properties (e.g., permanent press, corduroy, velveteen, flannel and synthetics) and those requiring a delicate cycle (e.g., washable wool and silk, nylon).

CARE LABEL INSTRUCTIONS

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.

If the care label says "Wash Separately," the fabric is likely to lose color (excess dye) for the first few washings. To minimize the possibility of the color transferring to white or lighter colored items, wash new colored garments with items of similar color or separately. 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.

RECOMMENDED LOAD SIZES

To reduce wrinkling, you should determine the load size based on the type(s) of fabrics being washed. The chart below gives recommended load sizes for different fabrics.

Load Size	Fabrics
Full	Cotton, linen
Half	Perm press, synthetics, acrylics
Third	Special finish cottons, machine washable wool, silk, acetates

Cotton and Linen Fabrics

These items should be washed in full loads because the tumble action of the tub along with the gentle rubbing and lifting and falling movement of the clothes gives the best cleaning result.

Permanent Press Fabrics

These items need more 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 have only a brief spin cycle and they should be removed promptly from the washer and put directly into the dryer or hung to dry.

Delicate Fabrics

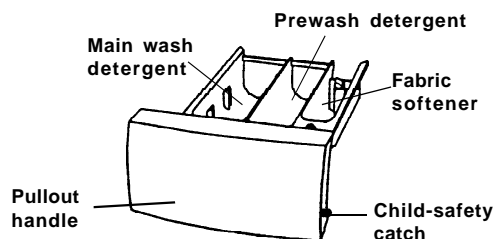
More delicate fabrics, such as machine washable wool and silk, should only be washed in one-third size loads for the best results.

GENERAL LAUNDRY ADVICE

- ◆ Read and follow the care instructions on new garments.
- ◆ Sort laundry by the care instructions and color of the fabric.
- ◆ Do no wash colored fabrics with white and light-colored fabrics.
- ◆ Wash fabrics that produce lint separately (such as towels).
- ◆ Remove any sharp ornaments, pins or buckles to prevent snags.
- ◆ Empty pockets and turn them inside out.
- ◆ Close zippers and hooks to prevent snagging.
- ◆ Tie sashes and strings to prevent tangling.
- ◆ Mend any small rips to prevent them from enlarging.
- ◆ Turn colored cotton garments, velvet and finer knitwear inside out before washing.
- ◆ Turn delicate items, sweaters and T-shirts inside out to prevent pilling and to protect the prints.
- ◆ Prewash severely soiled items.
- ◆ Wash colored fabrics separately the first time.
- ◆ Permanent press items should be washed in half-loads.
- ◆ Thoroughly rinse down items, such as comforters (Super rinse).
- ◆ Use fabric softener to eliminate static electricity in synthetic garments and to soften cotton.
- ◆ Ironing lesser quality cotton items can reduce shrinkage.

THE DETERGENT DRAWER

The detergent drawer on ASKO washers automatically dispenses the detergent and fabric softener at the appropriate times. Simply pour the measured amounts of detergent and softener into the proper compartments (as illustrated) and close the drawer. (as illustrated) and close the drawer.



NOTE: To avoid oversudsing, do not put detergent in the prewash compartment unless you are using one of the Heavy wash programs which has a prewash cycle.

We recommend that you don't use bleach in your ASKO washer. The tumbling wash action, temperature control options, extended wash times and proper amount of detergent are sufficient to remove most stains.

Child-Safe Catch

All ASKO 600-series washers have a child-safe catch on the detergent drawer that can be engaged to prevent a child from opening the drawer and possibly coming into contact with the detergent or fabric softener.

The safety catch is the red plastic piece on the back right side of the pull-out handle. To engage the catch, open detergent drawer a little then pull the catch forward and release it. Once the catch is engaged, you must push it to the left each time you open the detergent drawer.

To disengage the catch, push it to the left then back.

DETERGENTS

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

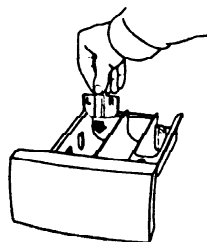
The use of anything other than a low-sudsing detergent can cause severe oversudsing, which could cause suds to backup through the detergent compartment and run down the front of the washer onto the floor. If oversudsing occurs, run the wash through one or more rinse programs until all items are thoroughly rinsed. Remove the laundry then run the washer through a Normal wash program to get rid of any remaining detergent.

Should oversudsing occur, the machine will indicate an error code or message. (See page 9.)

LIQUID DETERGENTS

We don't recommend liquid detergents because they tend to produce more suds than powder detergents when used in water temperatures of 150° F or higher. If you should try a liquid detergent, start with a very small amount, such as **1 to 2 tablespoons**. Also, liquid detergent can be used for all programs without prewash, so add it into the main wash compartment.

Should you prefer to use a liquid detergent, we have provided a partition piece with the detergent drawer specifically for use with liquid detergents. Insert the partition in the slot at the back of the main wash compartment before you pour in the liquid detergent.



RECOMMENDED POWDER DETERGENTS

ASKO washers use 50% to 75% less detergent than most other washers. This is because of their low water consumption and the fact that all the wash water is repeatedly circulated through the laundry, ensuring that all the detergent is fully utilized. We recommend that you use powder detergents made specifically for front-loading washers. These are sometimes called HE (High-Efficiency) detergents. Listed below are some low-sudsing powder detergents that have been successfully tested in ASKO washers:

- | | |
|---------------|-----------|
| ◆ Fab | ◆ All |
| ◆ Amway SA8 | ◆ Tide HE |
| ◆ Fresh Start | ◆ Wisk HE |

We recommend that you do not use any powder detergent that doesn't wash completely out of the detergent drawer.

AMOUNT OF DETERGENT TO USE

The amount of detergent needed varies among the different brands, but for most detergents, **you need only one or two tablespoons**. Using too much detergent can result in detergent residue being left in your clothes, which can cause them to appear gray or dingy. You should start with a small amount of detergent and increase it only if the cleaning results are unsatisfactory.

Additionally, you should never put detergent in the prewash compartment unless you are using a wash program that has a prewash cycle. This could cause excess foaming, which could damage the machine.

The amount of detergent needed can also depend on the hardness of the water in your area. See the "Detergent Amounts Based on Water Hardness" section on the next page for more details.

Detergent Amounts Based on Water Hardness

The amount of detergent needed can vary due to differences in water hardness. To determine the water hardness in your area, contact your local water utility or area water softening company. The harder the water, the more detergent you may need. Refer to the chart below for the recommended detergent amounts based on water hardness. Remember, you should adjust the amount of detergent you use by small amounts until you find the correct amount.

Note that 12 grains and higher is extremely hard water and detergent alone may not be enough. You may need

to use a water softener to maximize the performance of your washer. Also, in areas with extremely hard water (9+) you may need to wash at lower temperatures to prevent hard water deposits from forming in the tank and wash system.

Different brands of detergent have different amounts of phosphorous for softening water. If you have hard water and use a detergent with less than 8.7% phosphorous content, you may need to use more detergent or use a detergent with a higher phosphorous content.

*Recommended Detergent Amounts
Based on Water Hardness*

Water Hardness	Detergent Amounts	
	Prewash	Main Wash
Soft (0-3 grains per gal.)	1 teaspoon	1 to 1-1/2 tablespoons
Medium (4-8 grains per gal.)	1 teaspoon	1 to 2 tablespoons
Hard (9+ grains per gal.)	1 teaspoon	2 to 3 tablespoons

FABRIC SOFTENERS

Fabric softeners are available in several concentrations. We recommend that you use only two tablespoons of

fabric softener. If more softening is desired, try adding slightly more the next time.

RECOMMENDED WASH TEMPERATURES

Different fabrics require different wash temperatures. The table below gives recommended wash temperatures

for different fabrics as well as recommended programs, load sizes, and spin options.

Fabric Type	Wash Temp.	Wash Program	Load Size ⁽¹⁾	Spin Options ⁽²⁾
White cotton w/out elastic and/or decorative trim	140–205° F	Normal	Full	Long spin, high rpm
White cotton w/elastic and/or decorative trim	120–140° F	Normal	Full	Long spin, high rpm
Colored cotton	120–140° F	Normal	Full	Long spin, high rpm
Linen (white and colorfast)	120–140° F	Normal	One-half	Short spin, low rpm
Cotton/polyester blends	105–120° F	Normal/Permanent press	One-half	Short spin, low rpm
Polyester/acrylic blends	105–120° F	Normal/Permanent press	One-half	Short spin, low rpm
Rayon and acetate	105° F	Delicate/Wool	One-half	Short spin, low rpm
Washable silk and nylon	85° F (cold)	Delicate/Wool	One-third	Short spin, low rpm
Washable wool and wool blends	85–105° F (cold)	Delicate/Wool	One-third	Short spin, low rpm
Handwash wool & silk ⁽³⁾	85° F (cold)	Delicate/Wool	One-third	Short spin, low rpm

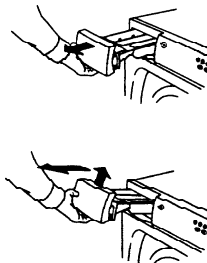
NOTES:

- (1) The load size should be determined by the type of fabric being washed. (See page 4.)
- (2) Spin speed options are not available on all models.
- (3) Some hand-washable wool and silk items should not go through a spin cycle. These items should be removed from the washer then pressed out in a terry towel to remove excess water before being hung up or laid flat to dry.

CARE AND CLEANING INSTRUCTIONS

CLEANING THE DETERGENT DRAWER

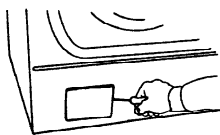
1. Pull the drawer out as far as it goes then lift it up and pull it out completely, as illustrated.
2. Clean the drawer with a soft brush under warm running water. *Do not put the drawer in a dishwasher.*
3. Replace the drawer by tilting it into position.



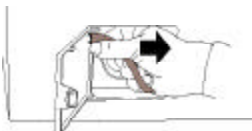
CLEANING THE PIN TRAP

Your washing machine has a pin trap designed to trap pins, hairpins, coins and similar items. This trap should be cleaned occasionally. To do this, follow the steps below:

1. Make sure as much water as possible is drained out of the tub then turn off the power to the machine.
2. Using the flat edge of the liquid detergent partition piece, a flathead screwdriver or similar item, gently pry open the drain pump cover, as illustrated.
3. There is always a small amount of water in the drain pump area. Before you open the drain cover, place a shallow container, such as a pie pan, on the floor below the drain to catch the water.



4. Pull the small black drain hose loose from its position on the door cover and let the water drain into the pan.



5. Unscrew the pin trap cover and lift it out.



6. You can now clean out any grit or small objects. You should also clean the back of the pump rotor at the back of the pump housing.



7. Replace the drain cover and return the drain hose to its position on the door.

CLEANING THE CONTROL PANEL

To clean the control panel, use only a warm, damp rag. To prevent penetration of water into the door lock and electrical components, **never use a spray of any kind**. Also, never use abrasive cleaners or scouring pads on the outer surfaces because they will scratch the finish and they could remove the writing on the control panel. Some paper towels may also scratch the finish.

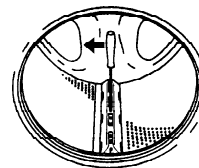
WARNING!

Never spray clean the control panel. You could damage the electrical components. Also, never use abrasive cleaners, scouring pads or paper towels on the outer surfaces because they will scratch the finish and they could remove the writing on the control panel.

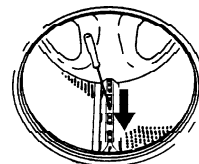
REMOVING AN OBJECT FROM BETWEEN THE DRUM AND OUTER CONTAINER

Occasionally, a small item may fall between the drum and the outer container. Such items should be removed because they could corrode and cause rust stains on the laundry. To remove the item, follow the instructions below:

1. Insert a flathead screwdriver in the center hole in the paddle and carefully push it to the left.



2. Grip the paddle with your other hand and pull it toward you.



3. Lift up the paddle and remove the object.
4. Replace the paddle in its fixing hole with the F-mark toward you. Check that the paddle clips are properly located in the slots and slide the paddle toward the back as far as it will go.

REMOVING HARD WATER STAINS FROM THE DRUM

If you live in an area with hard water, the washer drum may become coated with a grey-white deposit. To remove it, pour about an ounce of citric acid in the drum and run a Normal wash program at 205° F.

COMMON LAUNDRY PROBLEMS

Most items can be safely washed in an ASKO washing machine. We recommend that you follow the care label instructions as closely as possible for the best cleaning results. Should problems occur, below are some possible causes and suggested solutions.

NOTE: ASKO has no control over what is put in our appliances once installed in a customer's home. **You are solely responsible for what you wash in your ASKO washing machine.**

Problem	Possible Cause	Suggested Solution
Graying	<p>Not enough detergent</p> <p>Water not hot enough</p> <p>Improperly prewashed or presoaked</p> <p>Washer overload</p> <p>Soap used in hard water areas</p>	<p>You may need to add slightly more detergent if clothes are heavily soiled, have oily stains, or if your water is very hard.</p> <p>Select a hotter temperature setting for each type of load.</p> <p>Be sure to add a prewash and/or presoak for heavily soiled or oily items.</p> <p>Once wet, the clothes must have room to tumble freely, especially synthetics and permanent press.</p> <p>Be sure you use a laundry detergent, not a "soap." Soap reacts with the minerals in hard water to form a soap curd, which can be deposited on clothes.</p>
Lint or residue left on clothes	<p>Improper sorting of clothes</p> <p>Non-phosphate detergent</p> <p>Fabric softener used improperly</p> <p>Pilling</p>	<p>Separate clothes that shed lint (chenille and terrycloth) from clothes that attract lint (synthetics, corduroy, velveteen).</p> <p>Non-phosphate detergents can combine with minerals in hard water and form a residue which can appear to be lint. Use a low phosphate detergent. If possible, install a water softener.</p> <p>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.</p> <p>Pilling, which can look like lint, is produced by normal wear on cotton/polyester blend fabrics. To reduce pilling, wash these fabrics inside out. For the best results, wash in the delicate cycle.</p>
Yellowing	<p>Not enough detergent</p> <p>Water not hot enough</p> <p>Iron or manganese in water</p>	<p>Add slightly more detergent.</p> <p>Use the hottest recommended temperature for each type of load.</p> <p>If possible, install a water filter. A small amount of Calgon or other type of water conditioner added once a week is advisable in hard water areas.</p>
Shrinkage	<p>Improper washing or drying</p>	<p>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.</p>
Knit shrinkage	<p>Overheating</p> <p>Delayed or gradual shrinkage</p> <p>Poor construction</p>	<p>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.</p> <p>This can occur when special stabilizing finishes are reduced from wear or repeated washings. Garment may sometimes be reshaped by pressing after washing and drying.</p> <p>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.</p>
Fading and discoloring	<p>Improper sorting</p> <p>Crayons or pens in pockets</p> <p>Water too hot</p>	<p>Dark clothes, especially cottons, can bleed excess dyes into wash water. White or light-colored clothes can absorb the dye and discolor. Separate light items from dark items.</p> <p>Always empty all pockets before washing.</p> <p>Cool or cold water is best for retaining dark or bright colors.</p>
Stains	<p>Incorrect water temperature</p> <p>Old stains</p>	<p>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.</p> <p>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.</p>

COMMON LAUNDRY PROBLEMS (CONTINUED)

Problem	Possible Cause	Suggested Solution
Excessive wrinkling	Machine too full Water too hot	Permanent press items should be washed in half-loads to prevent wrinkling. If possible, use a slower spin speed. Use lower wash temperature settings.
Rips, snags, excess wear	Sharp objects in pockets Hooks, snaps, zippers, buckles Harsh chemicals Existing rips and tears Permanent press items	Empty all pockets and turn inside out before laundering. Fasten all hooks, snaps, and zippers before laundering to avoid snags. Remove sharp buckles. Turn knits inside out. Before washing, rinse harsh chemicals (such as battery acid, hair care chemicals, cleaning solutions, etc.) from towels and other articles to avoid holes in fabrics. Do not allow these unrinsed items to contact other fabrics. Mend all garments before laundering to prevent enlarging of rips. These items may fray at edges from normal wear, not the washer. Wash only in half loads and don't wash in the same load with heavy items, such as towels or jeans.

FAULT CODES – W600/W620

The Program Control knobs on the W600/W620 have two fault codes: *C* and *S*. If the knob stops on one of these, the machine detected a problem.

***C* Position**

This indicates a problem that can probably be taken care of without calling a service technician. Here are some possible problems:

- ◆ Power interruption.
- ◆ Water not draining out.

- ◆ Water not filling machine.
- ◆ The machine didn't spin.

Refer to the "Troubleshooting" section on the next page for possible causes and solutions. If none of these work, call a service technician.

***S* Position**

If the knob stops on *S*, this indicates a mechanical problem and you will probably need to call a service technician.

ERROR MESSAGES – W640/W660

Error messages will display in the LED window if faults occur while a program is in progress. The table below defines each possible error message.

To remove the message, turn the power off or change the program.

ERROR MESSAGE	SOLUTION
	When this symbol flashes at the lower right corner of the display it merely means the glass door isn't closed securely. Close the door and try again.
0000	If this message flashes at the top right of the LED window, the machine has failed to spin. This could be because the load is out of balance. Turn the power off then on again. Open the door and redistribute the washing. Run the Spin program again.
Door lock fault	Call a service technician.
Foaming	Run the Rinse program again. Try using less detergent and softener. Use low-sudsing detergents. (See page 5.)
Overflow	Call a service Technician
Pressure sensor	Call a service technician.
Temperature stop	Call a service technician.
Thermistor	Call a service technician.
Wash motor	Call a service technician.
Water inlet	Make sure the water tap is open.
Water outlet	Check the pin trap for possible blockage. Make sure the outlet hose isn't kinked.

TROUBLESHOOTING

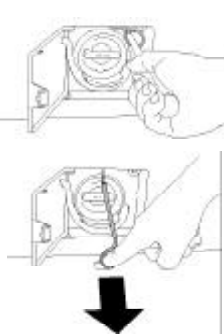
If you should experience a problem with your washer, you should review the following list of frequently encountered situations. It could save you the cost and inconvenience of a service call.

Even though the product is under warranty, if the problem

is not caused by defective workmanship or materials, you will be charged for a service call. Refer to page 17 to determine what is and is not covered under your warranty. If you're still not sure, contact the ASKO Advisory Center before you call a service technician.

The door won't open.

- ◆ Make sure the power to the unit is on. If the power is on and the indicator lamp is not lit, there is no power supply. Check that the machine is properly plugged into the electrical outlet. If it is, the fuses may be blown. Call a service technician.
- ◆ Make sure all the water has drained out.
- ◆ If there is no water in the machine and the door won't open in the normal manner, you should be able to open it manually, as follows:
 1. Make sure the tub is as empty as possible and the power is turned off.
 2. Using the flat edge of the liquid detergent partition piece, a flathead screw-driver or similar item, gently pry open the drain pump cover.
 3. Using a T20 or flathead screwdriver, unscrew the red plastic looped handle.
 4. Pull the handle toward you. The door should open.



The machine doesn't fill.

- ◆ Make sure the tap to the water supply line is open.
- ◆ Turn off the water supply then disconnect the inlet hose and check to see if the strainer in the inlet connection is blocked.

The machine won't start.

- ◆ Check that the glass door is closed securely.
- ◆ Make sure the power switch is turned on.
- ◆ If the power switch is on and the indicator lamp is not lit, there is no power supply. Make sure the machine is properly plugged into the electrical outlet.
- ◆ Check the house breaker switch/fuses.

The machine will not spin.

- ◆ Make sure the pin trap or outlet hose isn't blocked. Clean if necessary. (See page 7.)
- ◆ Make sure the No Spin option is turned off.
- ◆ If a load is out of balance, the washer will rotate a few seconds to redistribute the load then attempt to spin again. It will do this up to ten times at a high spin speed (1000 rpm or higher). If it still isn't balanced, it will advance the timer with no spin.

Extreme vibration during spin cycle.

- ◆ Make sure the packaging and shipping supports were removed properly. (See page 14.)
- ◆ Check that the machine is level.
- ◆ Adjust machine feet and tighten locknuts. (See page 14.)

Oversudsing.

- ◆ Too much detergent could cause suds to backup through the detergent compartment and run down the front of the washer onto the floor. The suds will condensate into water and form a small puddle on the floor. (See page 5 for detergent recommendations.)

Washer stops during cycle.

- ◆ It is normal for the machine to pause occasionally during operation, especially between cycles and during the delicate wash program.
- ◆ Make sure the No Spin option isn't turned on.
- ◆ If the power switch is on and the indicator lamp is not lit, there is no power supply. Make sure the machine is properly plugged into the electrical outlet.
- ◆ Check the house breaker switch/fuses.

Foam in the final rinse water.

- ◆ Make sure nothing is blocking the outlet hose.
- ◆ Check for kinks in the outlet hose.
- ◆ Make sure the pin trap isn't blocked. (See page 7.)
- ◆ Make sure that no part of the hose (including any joints) is less than 3/4" (15 mm) in diameter.

Water left in the machine after final spin.

- ◆ Make sure the No Spin option isn't turned on.
- ◆ Make sure the pin trap isn't clogged. (See page 7.)
- ◆ Make sure the outlet hose isn't clogged.
- ◆ Check for kinks in the outlet hose.
- ◆ Make sure that no part of the outlet hose (including any joints) is less than 3/4" (15 mm) in diameter.

Water leaks.

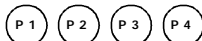
- ◆ All hoses should be inspected at least once a year. If they show signs of cracking, they should be replaced.
- ◆ Check to see if hose connections at faucets are tight.
- ◆ Make sure the end of the outlet hose is securely inserted into the drain receptacle.
- ◆ Make sure nothing is caught between the Smart Seal and the tank, such as apron strings, small handkerchiefs, socks, etc.

W640/W660 – CUSTOMIZING THE PRESET PROGRAMS

ASKO's EasyControl™ panel makes it simple to customize the preset programs to perfectly fit your laundry needs. You needn't worry about making an error

because you can easily restore the original program settings.

THE PRESET PROGRAMS



Before we tell you how to customize the preset programs, you need to review what these programs are. The table below lists the four preset programs and the pre-programmed settings for each. To select a program, simply press one of the program buttons then press Start.

Remember, you can temporarily adjust the temperature setting and spin speed for a preset program. (See "Making Temporary Program Changes" on your *Quick Start Guide*.)


Preset Program	Wash Cycle	Types of Laundry	Wash Temp ⁽¹⁾	Spin Speed ⁽¹⁾⁽²⁾	# of Rinses	# Short Spins	Long Spin
P1	Normal	White cotton	140° F	1600 rpm ⁽³⁾	5	2	yes
P2	Normal	Normal/Perm Press	105° F	1600 rpm ⁽³⁾	5	2	yes
P3	Super Quick	Lightly soiled cotton/perm press	105° F	1600 rpm ⁽³⁾	2	0	yes
P4	Wool/Hand	Washable wool, silk, nylon	85° F	800 rpm	3	1	no


WARNING! Some fabrics may not be able to withstand extremely hot temperatures. Please refer to the "Recommended Wash Temperatures" section on page 6.

- NOTES:** (1) You can temporarily adjust the temperature and spin speed settings. (See "Temporary Program Changes" below.)
- (2) The spin speeds in the preset programs are the maximum speed settings for these specific wash programs (except Super Quick).
- (3) Model W640 has a maximum spin speed of 1400 rpm.

TEMPORARY PROGRAM CHANGES

You can make temporary changes to the wash temperature and/or spin speed on the preset programs. Simply press the button for the preset program you want to use then follow the instructions to the right. The settings will revert to normal at the end of the program.

Temperature – Press  until the desired temperature displays in the LED window. If you also want to change the spin speed, read the following paragraph, otherwise, press START.

Spin Speed – Press  until the desired spin speed displays in the LED window then press START.

ALL PROGRAMS

In addition to the preset programs listed above, you can customize the preset buttons to use any of the programs listed in the table below.

This table also lists the pre-programmed settings for each program. For example, if you select Light wash on

the program menu, it is automatically programmed to wash at 105° F using a normal wash action, rinse three times then do a short spin, then rinse two more times, do a long spin and drain. You can modify some of these settings. See "Program Options" on page 12.

Program	18-min Cold Prewash	Temp Setting (° F)	Main Wash Action	Short Spin	# of Rinses	Short Spin	# of Rinses	Long Spin	Drain
Heavy wash	yes	140°	Normal	yes	3	yes	2	yes	yes
Normal wash	no	140°	Normal	yes	3	yes	2	yes	yes
Light wash	no	105°	Normal	yes	3	yes	2	yes	yes
Super Quick wash	no	105°	Normal	no	2	no	no	yes	yes
Synthetic wash	no	105°	Normal	no	3	yes	no	no	yes
Wool/Hand wash	no	85°	Gentle	no	3	yes	no	no	yes
Rinse	no	N/A	N/A	no	1	no	no	yes	yes
Spin	no	N/A	N/A	N/A	N/A	N/A	N/A	yes	yes
Drain	no	N/A	N/A	N/A	N/A	N/A	N/A	N/A	yes

PROGRAM OPTIONS

The following table lists the options available with each wash program. The programs and options are described in detail below. It's a good idea to scan through the menus a couple of times and familiarize yourself with the options before you make any changes. And remember, it's easy to restore the preset programs.

WASH PROGRAMS	Temp Setting (° F)	Spin Speed (rpm) ⁽¹⁾	OPTIONS (On/Off)						
			Pre-Soak	Quick Wash	Eco-nomy	Super Rinse	Short Spin	Long Spin	Drain ⁽²⁾
Heavy	Cold, 85°–205°	600-1600	yes	yes	yes	yes	yes	yes	yes
Normal	Cold, 85°–205°	600-1600	yes	yes	yes	yes	yes	yes	yes
Light	Cold, 85°–205°	600-1600	yes	no	yes	yes	yes	yes	yes
Super Quick	Cold, 85°–205°	600-1600	yes	no	no	yes	yes	yes	yes
Synthetic	Cold, 85°–205°	600-800	yes	no	no	yes	yes	yes	yes
Wool/Hand	Cold, 85°–104°	600-800	yes	no	no	yes	yes	yes	yes

NOTES: (1) The maximum spin speed for the W640 is 1400 rpm. The maximum spin speed for the W660 is 1600 rpm.

(2) You can only turn Drain off if Spin is also turned off. To drain the machine, press the Door Open button.

OPTION DEFINITIONS

The table below explains the function of the options listed above.

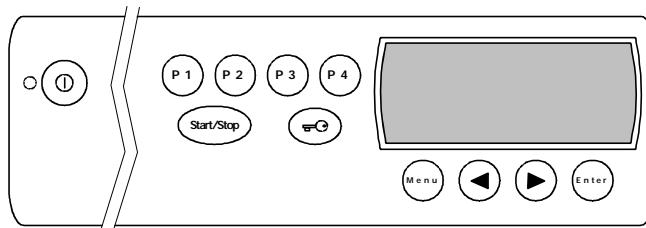
Option	Set this option to <i>On</i> to:
Presoak	Get a two-hour presoak before the wash program starts. For heavily soiled items. Only available with the wash programs.
Quick wash	Shorten the main wash by 27 minutes. Only available with the Heavy and Normal wash programs.
Economy	Extend the main wash time by 22 minutes. When used with low wash temperatures (85°–100° F), this program conserves energy but gives the same high level of cleaning. Can also be used with higher temperature settings to clean heavily soiled items. Only available with the Heavy, Normal, and Light wash programs.
Super rinse	Get two additional rinses. Recommended for persons with sensitive skin or allergies. Only available with the wash programs.
Short spin	Omit the long spin.
	Set this option to <i>Off</i> to:
Spin	Omit both the long and short spin cycles.
Drain	Omit the drain cycle. The washer stops with water in the machine. You can only select this option if you have also set the Spin to Off. For use with programs such as Wool/Hand wash. To drain the washer, press the Door Open button.
Delayed Start	This option lets you set a delay start for up to 12 hours. This feature is useful in areas where utility companies offer discount rates during certain hours. See page 13 for instructions on how to set a delayed start.

NOTE: The main wash cycle in a Normal program is 43 minutes.

CUSTOMIZING THE PROGRAM BUTTONS (P1-P4)

Below are the basic instructions for changing a preset wash program. The following paragraphs explain the menus and how to navigate them.

1. Press the button for the preset program you want to change. The program you select will display in the lower left corner of the LED window.
2. Press **MENU** to display different program and option settings.
3. Press the **Arrows** to move forward or backward through the menu settings.
4. Press **ENTER** to choose your selection.



NAVIGATING THE MENUS

The following paragraphs explain how to navigate through the menus and change the preset programs. If you don't want to make changes in all of the menus, continue to press MENU until the one you do want to change displays.

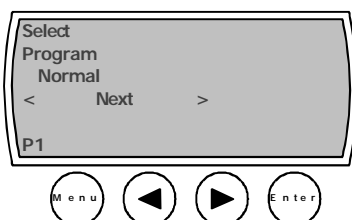
To restore a preset program to its original settings, simply press the button for the preset program you want to restore and hold it down while you press ENTER. The program will revert to its original settings.

We recommend that you make two or three trial changes to understand how easy it is to customize these programs.

Remember, the first step to customizing a preset program is to press the button for the program you want to customize.

The Program Menu

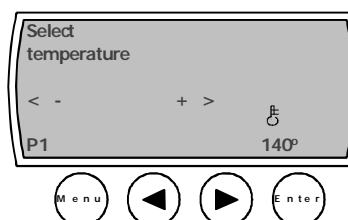
The Program menu lets you set the wash program you prefer. You would also use this menu to set the machine for a rinse, spin, or drain program.



1. Use the Arrow buttons to move through the program choices (Heavy, Normal, Light, etc.)
 2. When your preference displays, press ENTER. The LED will display the new program setting.
- Press MENU to advance to the next menu.

The Temperature Menu

This menu lets you set the wash temperature. Only the temperatures available for the wash program you selected will display.

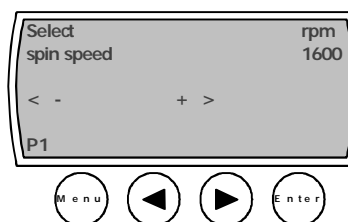


1. Use the Arrow buttons to raise or lower the temperature setting.
2. When the temperature you prefer displays, press ENTER. The LED will display the new temperature setting.

Press MENU to advance to the next menu.

The Spin Speed Menu

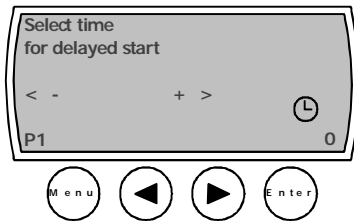
This menu lets you set the spin speed. Only the spin speeds available for the wash program you selected will display.



1. Use the Arrow buttons to raise or lower the spin speed setting.
 2. When the spin speed you prefer displays, press ENTER. The LED will display the new spin speed.
- Press MENU to advance to the next menu.

The Delayed Start Menu

This menu lets you set a delayed start from 1 to 12 hours. This means you can set the washer to start at the most convenient time for you, such as an hour before you arrive home from work. This feature is also useful in areas where utility companies offer discount rates during certain hours.

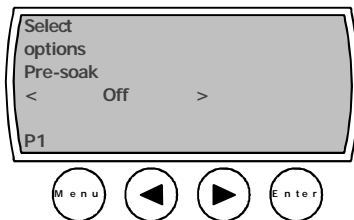


1. Use the Arrow buttons to increase or decrease the delay time. (The numbers indicate hours.)
2. When the number of hours you want to delay starting the machine displays, press ENTER. The LED will display the delay start time.

Press MENU to advance to the next menu.

The Options Menu

This menu lets you set several options. Only the options available with the wash program you selected will display. (See "The Program Menu" table on page 11.)



1. On this menu, you press ENTER to advance through the options, rather than pressing MENU.
2. Press an Arrow button to toggle between Off and On.
3. When your preference displays, press ENTER. The LED will display the new options. Continue to press ENTER until the LED displays your new program.

RESTORING A PRESET PROGRAM

To restore a preset program to its original settings, simply press the button for the preset program you want to restore and hold it down while you press ENTER. The program will revert to its original settings.

NOTE: If you change the **P3** program then decide to restore its original settings, after pressing **P3** and **ENTER**, you must go into the Options menu (see page 14) and turn off Short Spin.

CHANGING THE LANGUAGE ON THE LED WINDOW

There are eleven languages available for the LED window:

◆ English	◆ Swedish
◆ French	◆ Danish
◆ Spanish	◆ Norwegian
◆ Portuguese	◆ Netherlands
◆ Italian	◆ Finnish
◆ German	

To change the language, follow the steps below:

1. Turn the machine off then on again.
2. Press ENTER five times in succession then press P1 five times. (This must be done within 15 seconds.)
3. When the Language menu displays, press an Arrow button to advance through the menu to the desired language.
4. Once the correct language displays, press ENTER to program the LED window to display the language you selected.

CHANGING THE TEMPERATURE READOUT ON THE LED WINDOW FROM CELSIUS TO FAHRENHEIT

You can change the temperature readout on the LED window from Celsius to Fahrenheit and vice versa. To do this follow the steps below:

1. Turn the machine off then on again.
2. Press ENTER five times in succession then press P2 five times. (This must be done within 15 seconds.)
3. When the Temperature menu displays, press an Arrow button to toggle between Fahrenheit and Celsius.
4. When your preference displays, press ENTER to program the LED window to display the temperature reading you selected.

CHILD-SAFE START (W640/W660)

As a safety measure, you can program the W640 and W660 not to start unless the START button is held down for three seconds. To do this, follow the steps below:

1. Turn the machine off then on.
2. Press ENTER five times, then press P3 five times. (This must be done within 15 seconds.)
3. "Delayed start" displays with "0" flashing in the lower right corner. Press the right Arrow button to toggle the display to "3."

Child-Safe Menu Button

Please note that when you set the child-safe Start button, the Menu button is *automatically* programmed to delay for three seconds before it becomes active. This prevents a child from accidentally changing the program settings.

When you want to change a program, press the Menu button for three seconds to activate the menus. The Menu button will work normally (without the 3-second delay) until you have completed your changes. If it is not pressed for two minutes, it will automatically revert back to the child-safe mode.

INSTALLATION INSTRUCTIONS

Read these instructions carefully and completely before you install the machine. The installation should be carried out by a qualified person who is familiar with all local codes and ordinances for electrical and plumbing connections.

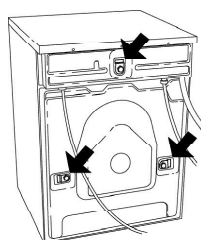
NOTE: Cosmetic damage must be reported to your dealer within five days from the date of purchase. After unpacking the washer, thoroughly check the unit for cosmetic damage.

SPECIFICATIONS

Height	33-1/2"-34-1/2" (850-876 mm)	Drum and Barrel	Stainless steel
Width	23-7/16" (595 mm)	Outer casing	Stove-enamelled hot-dipped galvanized steel
Depth	W640/W660: 23-7/16" (595 mm) W600/W620: 24-7/16" (620 mm)	Mounting	Four adjustable rubber-covered feet
Weight	167 lbs. (73 kg)	Inlet supply hose	5 ft. (1.5 m) PEX tubing with brass ferrules
Rated load	See data plate	Supply pressure	15-142 PSI
Supply voltage	Single-phase 230 V, 60 Hz	Outlet hose	5.5 ft. (1.7 m) polypropylene hose, 3/4" ID
Heating element	2000 W		
Fuse	15 A		

REMOVING THE SHIPPING SUPPORTS

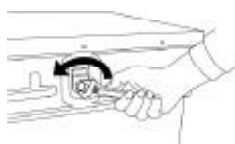
The machine is transported with three shipping supports, as illustrated below. These supports hold the tub in place during shipment. When you unpack the machine, you must remove these supports.



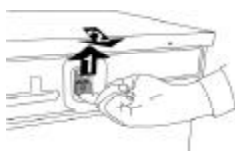
You must remove the shipping supports before you install the washer.

To remove these supports, follow the instructions below:

1. Unscrew the 5/8" (13 mm) bolts holding the supports in place and remove the bolts.



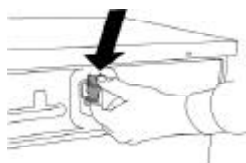
2. Push the rubber spacer up then pull it out of the slot.



3. Rotate the spacer so that the extruded end points toward the machine.



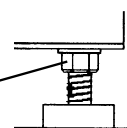
4. Insert it into the slot and push down to lock it into position.



ADJUSTING THE FEET

It is important that the machine is level so it won't vibrate excessively during the spinning cycles. Each foot on the washer is adjustable, so you can level the washer on any surface. Once it is level, securely tighten the lock nuts on the feet to prevent excessive vibration during the spin cycles.

Be sure to tighten the lock nuts securely when you level the machine.



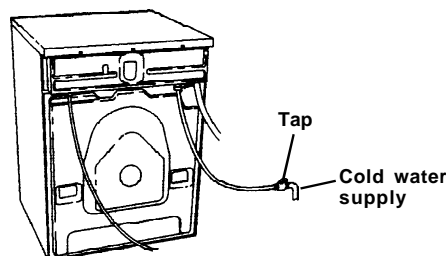
WATER SUPPLY CONNECTION

Because ASKO washers have their own heating element, you only need to have a cold water inlet. The connection should be made by someone who is sufficiently skilled. Use the hose supplied with the washer.

Water pressure must be in the range of 15-146 PSI.

A tap should be fitted on the water supply pipe.

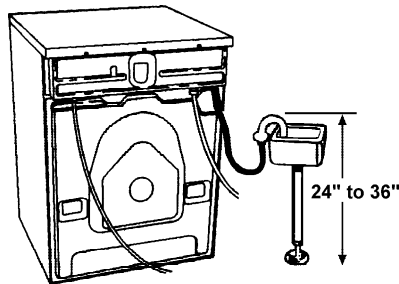
If a new supply pipe has been installed for the washer, it should be flushed thoroughly to remove any foreign particles that might clog the strainer in the water inlet.



DRAIN OUTLET CONNECTION

The machine is supplied with the outlet hose already attached. The hose should be extended over a suitable sink edge or drain pipe at a height of 24" to 36" (600 mm to 900 mm) above the floor. (The lower height is preferable.) Make sure that the hose is not kinked.

NOTE: If the hose is extended, the internal diameter of the coupling must not be less than 1/2".



WARNING! Do not extend the drain hose higher than 36" (900 mm).

ELECTRICAL CONNECTIONS

The machine is delivered ready-fitted with a plug and is intended for connection to an ASKO Dryer, which is equipped with a matching receptacle. 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 a separate 220 V single-phase circuit.

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

As supplied: 230 V, 60 Hz
2000 W heating element
15 A fuse required

WARNING! 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.

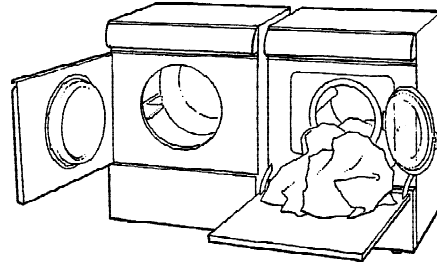
WARNING! Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the appliance is properly grounded.

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.

FREESTANDING INSTALLATION

The washer can be placed next to the dryer.

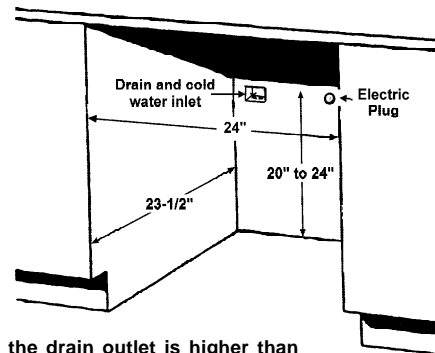
It is essential that the machine is leveled and the locknuts are tight to prevent excessive vibration during the spin cycles. Also be sure to leave a minimum of 1/2 inch (12.5 mm) of space between the washer and the dryer.



BUILT-IN INSTALLATION

ASKO washers can be installed beneath a cabinet or worktop with a height of 34". There must be a gap of about 1/4" (.64 mm) all around the machine, including between the rear edge of the machine top panel and the back wall. The opening width must be at least 24" (600 mm).

Space must also be available for the inlet and drain hoses. See the diagram below for measurements and positions.



If the drain outlet is higher than 24", you will need to recess the connections.

NOTE: The height adjustment for the washer is 33-1/2" to 34-1/2" (850 mm to 876 mm). Do not raise it higher than 34-1/2".

STACKED INSTALLATION

ASKO washers should never be stacked on a counter or a dryer. You can, however, stack an ASKO dryer on an ASKO washer. Refer to your *Dryer Use and Care Guide* for instructions on how to do this.

ASKO PRODUCT WARRANTY

MODELS W600, W620, W640, W660

Be sure to complete the Warranty Registration Card you received with your appliance and mail it to ASKO to validate your appliance warranty.

FOR RESIDENTIAL INSTALLATIONS ONLY

LENGTH OF WARRANTY	ASKO WILL PAY FOR:
<i>Three-Year Full Warranty</i> 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 agent.
<i>Fourth & Fifth Year Limited Warranty</i> Three year full plus fourth and fifth year limited from date of purchase.	ASKO replacement parts for any defective solid-state controls, timers, motors, or pumps.
<i>Lifetime Warranty</i>	ASKO will replace the stainless steel inner or outer drum if it rusts or fails to hold water.

ENGLISH

ASKO WILL NOT PAY FOR:

- A. Service calls to:
 - 1. Correct the installation of the appliance.
 - 2. Repair damage due to shipment, delivery, installation, misuse or abuse.
 - 3. Instruct how to use the appliance.
 - 4. Replace house fuses or correct house wiring.
 - 5. Correct house plumbing, including drain problems related to improper installation.
 - 6. Clean or service air device in drain line.
- B. Repair and/or replacement parts for failure of product if appliance is used for other than home/residential 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 shipping costs for parts during the limited warranty period.
- E. Replacement parts or repair labor costs for units operated outside the Continental United States.
- F. Pickup and delivery. ASKO washers are designed to be repaired in the home.

IN NO EVENT SHALL ASKO USA INC. BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL 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 warranty gives you specific legal rights and you may also have other rights which vary from state to state.

For warranty 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 can not be resolved locally write:

ASKO USA Inc.
P. O. Box 851805
Richardson, Texas 75085-1805
or call our
Customer Service Center at
800-898-1879 or 972-238-0794

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