



**OPERATING
INSTRUCTIONS
And Warranty
For Model KAW351
Automatic Washer**

KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE. (If the washer changes ownership, be sure this manual accompanies the washer.)

⚠ WARNING

**FOR YOUR SAFETY
and to reduce the risk of fire or
an explosion, do not store or use
gasoline or other flammable
vapors and liquids in the vicinity
of this or any other appliance.**

Part No. 34105
9/90

Congratulations on your purchase of a new Kleenmaid Automatic Washer. Your washer has been carefully constructed for years of dependable service, using many reliable components. Our worldwide reputation for manufacturing durable laundry appliances is one reason for the popularity of our automatic washers. Here are nine more good reasons:

1. The cycles are designed for all of your laundering needs.
2. Kleenmaid's Polytuff® agitator, with its 210° stroke, gets clothes really clean, yet is gentle on fabric.
3. The washer's large capacity handles big family loads with ease.
4. Solid one-piece construction of cabinet back and sides add strength. Superior corrosion resistance is provided by our use of Galvalume™ steel on cabinet, top, lid and front panel.
5. Special drip-lip top prevents messy spills down the sides.
6. Low consumption of water and energy means savings on your utility and sewer bills.
7. Kleenmaid's Eversmooth® transmission has only six moving parts, for fewer maintenance problems and less wear.
8. Our Polytuff® water pump is built of rust-resistant polypropylene and stainless steel for long life.
9. 100% Front Service — If your automatic washer ever does need service, ALL repairs can be made without moving the washer from its installed position.

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IMPORTANT SAFETY INSTRUCTIONS

(SAVE THESE INSTRUCTIONS)

⚠WARNING To reduce the risk of fire, electric shock or injury to persons when using your washer, follow these basic precautions:

1. Read all instructions before using the washer.
2. Refer to the **GROUNDING INSTRUCTIONS** in the **INSTALLATION** manual for the proper grounding of the washer.
3. Do not wash articles that have been previously cleaned in, soaked in, washed in, or spotted with gasoline, dry-cleaning solvents, other flammable or explosive substances as they give off vapors that could ignite or explode.
4. Do not allow children to play on or in the washer. Close supervision of children is necessary when the washer is used near children. This is a safety rule for all appliances.
5. Before the washer is removed from service or discarded, remove the door to the washing compartment.
6. Do not reach into the washer if the washtub is revolving.
7. Do not install or store the washer where it will be exposed to the weather.
8. Do not tamper with the controls.
9. Do not repair or replace any part of the washer, or attempt any servicing unless specifically recommended in the **User-Maintenance Instructions** or in published user-repair instructions that you understand and have the skills to carry out.
10. 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.
11. Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for two 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 hot water faucets in your residence and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. **THE GAS IS FLAMMABLE, DO NOT SMOKE OR USE AN OPEN FLAME DURING THIS TIME.**
12. To reduce the risk of fire, **DO NOT** use an extension cord or an adapter to connect the washer to the electrical power source.
13. Use your washer only for its intended purpose, washing clothes.
14. **ALWAYS** disconnect the washer from electrical supply before attempting any service. Disconnect the power cord by grasping the plug, not the cord.
15. Install the washer according to the **INSTALLATION INSTRUCTIONS**. All connections for water, drain, electrical power and grounding must comply with local codes and be made by licensed personnel when required.
16. To reduce the risk of fire, clothes which have any traces of any flammable substances such as cooking oil, machine oil, flammable chemicals, thinner, etc., must not be put into the washer.
17. Do not use fabric softeners or products to eliminate static unless recommended by the manufacturer of the fabric softener or product.
18. Keep your washer in good condition. Bumping or dropping the washer can damage safety features. If this occurs, have your washer checked by a qualified serviceman.
19. Replace worn power cords and/or loose plugs.

(continued)

20. Be sure water connections have a shut-off valve and that fill hose connections are tight. **CLOSE** the shut-off valves at the end of each wash day.
21. Loading door **MUST** be **CLOSED** any time the washer is to agitate or spin. Do not by-pass the loading door switch by permitting the washer to agitate or spin with the loading door open. A brake will stop the washtub within seconds if the loading door is opened during spinning. If the washtub does not stop when the loading door is opened, remove the washer from use and call the serviceman.
22. Always read and follow manufacturer's instructions on packages of laundry and cleaning aids. Heed all warnings or precautions. To reduce the risk of poisoning or chemical burns, keep them out of reach of children at all times (preferably in a locked cabinet).
23. Always follow fabric care instructions supplied by the garment manufacturer.


	<p>⚠ WARNING</p> <ul style="list-style-type: none"> • Never operate the washer with the front panel removed. • DO NOT operate the washer with missing or broken parts. • DO NOT by-pass any safety devices.
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IMPORTANT: Have your washer installed properly. Don't do it yourself unless you know how!

⚠ WARNING Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

NOTE: The **WARNING** and **IMPORTANT** instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense, caution and carefulness are factors which **CANNOT** be built into the washer. These factors **MUST BE** supplied by the person(s) installing, maintaining, or operating the washer.

Always contact your dealer, distributor or service center about any problems or conditions you do not understand.

	<p>⚠ WARNING</p> <ul style="list-style-type: none"> • Hazardous voltage. • To reduce the risk of electrical shock, disconnect power before servicing.
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Operating Instructions

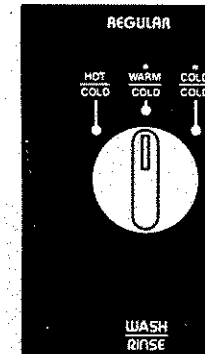
To Wash Clothes

IMPORTANT: Before using your new washer, make sure the washer cord is plugged into a 240 Volt electrical outlet that has the proper grounding and polarity, that washer hoses are connected to hot and cold water faucets, and that faucets are turned on. Be sure the drain hose is not kinked and is inserted into a drain. See **INSTALLATION INSTRUCTIONS** for details of proper washer installation. Keep these instructions for future reference.

- 1 Get clothes ready for washing. Empty pockets and cuffs. Sort items into separate loads. Pretreat stains and heavily soiled areas. Consult the Handbook (supplied with the washer) for information on how to get the best cleaning results.
- 2 Measure and add detergent to the washtub.
- 3 Add clothes loosely into the washtub. The bulk of the clothes rather than the weight will determine load size.
- 4 Close the loading door. The washer will not agitate or spin with the loading door open.

⚠ WARNING DO NOT by-pass the loading door switch by permitting the washer to agitate or spin with the loading door open.

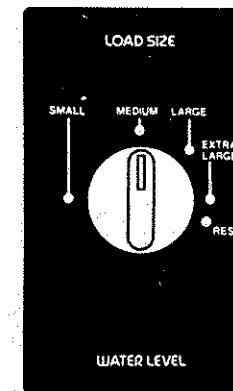
- 5 Set WASH/RINSE temperatures.



*ENERGY SAVER

NOTE: The washer will provide a cold rinse in all **TEMPERATURE** settings. Cold rinses will save you money and energy and cold rinses help reduce wrinkling in permanent press and synthetics.

- 6 Set **LOAD SIZE WATER LEVEL** control. Use **RESET** if agitation has started and more water is needed.

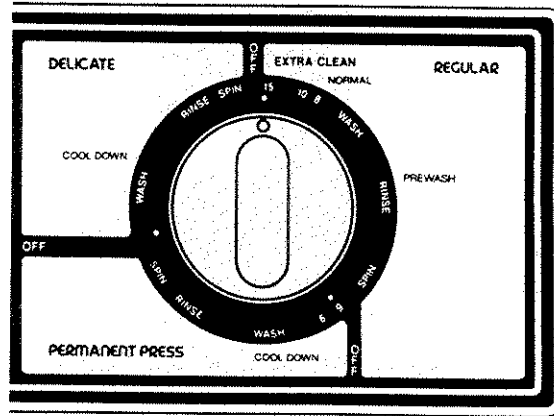


IMPORTANT: Holding the **LOAD SIZE WATER LEVEL** control in the **RESET** position can cause flooding of the washer.

(continued)

- 7 Select cycle according to the type of fabric being washed. Push the timer knob in and turn clockwise to the desired cycle and wash time.

MULTI-CYCLE



PULL KNOB
TO START ◦
PUSH KNOB
TO STOP

- 8 Pull the timer knob out to start the water fill. Agitation will begin when the water reaches the level you selected.

The washer will stop (pause) for approximately two minutes before the wash and rinse spins. Do not turn the timer through these pauses. They are part of the cycle.

Timer

Although the washer cycles are automatic, the timer may be reset to lengthen, shorten or repeat a portion of a cycle.

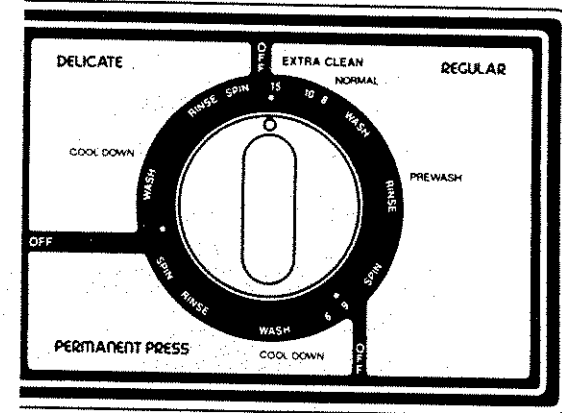
To set or reset the timer, push timer knob in to stop the washer. Hold timer knob in firmly while turning it clockwise to the setting desired. Pull timer knob out to start the washer.

Automatic Cycles

REGULAR

Use for sturdy items, like play or work clothes, towels, T-shirts, etc. The wash time selection will depend on the type of fabric and the amount of soil. For the best results when cleaning heavily soiled items, use a longer wash time (15 minutes maximum). Lightly soiled items require less wash time.

MULTI-CYCLE



PULL KNOB
TO START ◦
PUSH KNOB
TO STOP

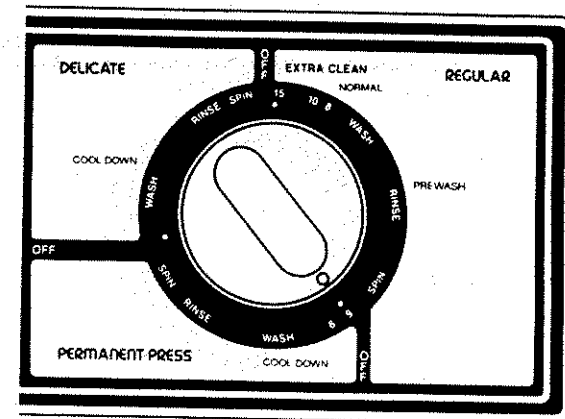
PREWASH

Prewash items are heavily soiled or stained. The water temperature is controlled by the rinse portion of the temperature knob. Wash items immediately after prewashing.

PERMANENT PRESS

Use for permanent press items and synthetics. The wash time selection will depend upon the type of fabric and amount of soil. The PERMANENT PRESS cycle automatically cools the temperature of the fibers before the spin. After wash the agitation stops, the washtub spins slowly, partially drains and then stops. Cold water will then be automatically added to the washtub until the proper water level is reached. This happens one or two times, depending on the size of the load and type of drain the washer is connected to. When the COOL DOWN is complete, the washer will pause for approximately one minute before continuing the cycle.

MULTI-CYCLE

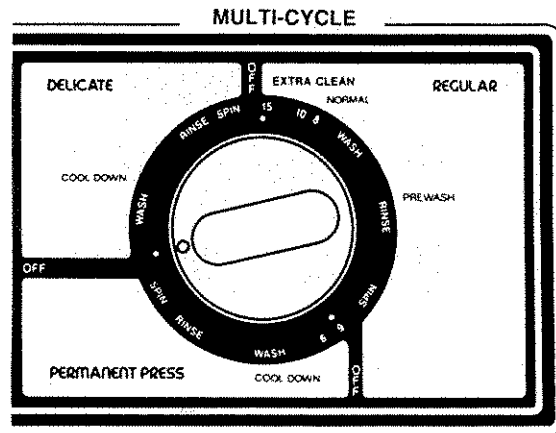


PULL KNOB
TO START ◦
PUSH KNOB
TO STOP

DELICATE

Wash delicate items usually washed by hand on this cycle. A full tub of warm water is recommended (even for small load) to allow the delicate items to move freely through the water. More water helps reduce fabric wear, wrinkling and provides for a clean wash.

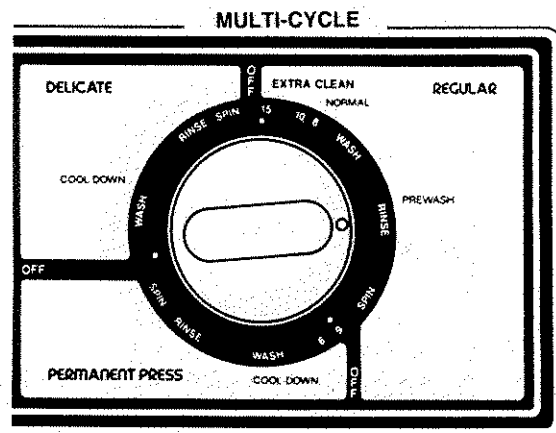
The wash portion of this cycle alternates between short periods of agitation and longer periods of soaking. Cycle includes a cold water rinse.



PULL KNOB
TO START ◦
PUSH KNOB
TO STOP

Soaking

Set the timer knob (see below) in the center of the word "RINSE" or the washer may spin without first filling with water. Place the soaking product and clothes load in the washtub. Pull timer knob out to start water fill. After fill is completed and agitation has started, push the timer knob in. This will stop the washer. When the clothes have soaked the desired length of time, TURN THE TIMER KNOB TO THE START OF THE LAST SPIN, then pull the timer knob out to start the spin.



PULL KNOB
TO START ◦
PUSH KNOB
TO STOP

Selections

Water Temperatures

HOT WASH

Water enters the washer only from the hot water faucet. Use a hot water wash for white and color fast loads and items that are heavily soiled.

WARM WASH

A mixture of hot and cold water. Wash bright colors and machine washable wool in warm water. You will also want to use warm water to wash medium to heavily soiled items.

COLD WASH

The washer fills only from the cold water faucet. Wash sensitive colors (colors that may bleed or run) in cold water. Fruit and protein based stains can be successfully removed if they are soaked in cold water.

RINSE TEMPERATURE

The washer will provide a cold rinse in all TEMPERATURE settings. Cold rinses will save you money and energy and cold rinses help reduce wrinkling and permanent press and synthetics.

Agitation/Spin Speeds

The agitation and spin speeds are automatically programmed for you.

Load Sizes

Load sizes are determined by the bulk of the clothes, not the weight. When sorting items into separate loads, remember, clothes must be able to circulate freely in the tub in order to get clean. Do not overload the washtub. Overloading can produce unsatisfactory results. Below are examples of various load levels of dry clothes.

SIZE OF LOAD	SAMPLE LOADS
SMALL	3-4 perm. press dress shirts OR 1 twin sheet, 1 pillow case OR 1-2 lightweight dresses
MEDIUM	6-7 perm. press shirts OR 2 twin sheets, 2 pillow cases OR 8 bath towels, 6 bath clothes
LARGE	10-11 perm. press shirts OR 2 full size sheets, 2 pillow cases, 2 pair men's pajamas OR 12 bath towels, 4 hand towels, 4 wash cloths
EXTRA LARGE	8-9 shirts and 5 pair polyester pants OR 2 queen size sheets, 4 pillow cases, 2 night gowns, 1 pair men's pajamas OR 1 queen size chenille bedspread
RESET	Use the RESET if agitation has started and more water is needed for the load.

Features

Out-Of-Balance Switch

The out-of-balance switch is located behind the right rear hinge of the washer loading door.

A load of one or two items can make the washtub unbalanced during the spin periods. For the best spinning results, the load must be balanced throughout the spin period.

The out-of-balance switch is tripped if the load becomes excessively unbalanced during the spin. Spinning stops when this happens.

If the out-of-balance switch is tripped, you will need to rearrange the load. To do this, push the timer knob in, open the loading door and evenly distribute the items in the washtub. Close the loading door, pull the timer knob out and the spin will resume.

(continued)

Bleach Dispenser

The bleach dispenser is located in the left front corner, under the loading door.

Use liquid bleach in the dispenser.

Use no more than one cup chlorine bleach for large loads, three quarters of a cup for medium and one half of a cup for small loads.

Be careful not to spill undiluted bleach. It is a strong chemical and can damage some fabrics if it is not properly diluted.

Fabric Softener Dispenser and Agitator

To Use Dispenser

After the clothes are loaded into the washtub and before the start of the WASH CYCLE, pour the proper amount of liquid fabric softener into the bottle measuring cap (see bottle directions). Pour into dispenser fill opening to tip of arrow which indicates correct fill level. Over filling can allow fabric softener to spill onto the clothes.

Setting the water level to medium or higher will result in better performance from the fabric softener.

The fabric softener will remain in the dispenser during the wash fill, agitation and spin. At the end of the wash spin, the liquid fabric softener will be dispensed into the washtub through the slots in the agitator and will be mixed with the incoming rinse water.

To Clean the Dispenser

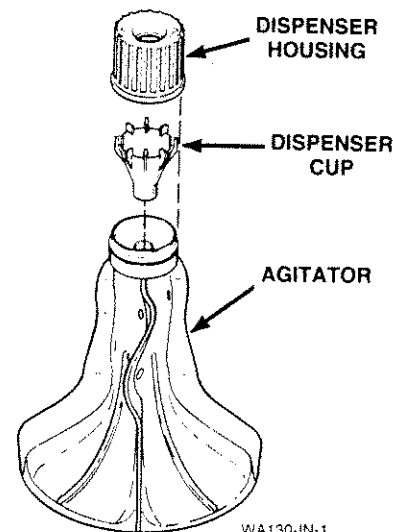
Remove the dispenser housing from agitator by pulling directly upward and at the same time tilting slightly. This will expose the dispenser cup, which is also removable for cleaning (refer to illustration). Both housing and cup can be soaked in hot soapy water and rinsed clean. The funnel shape in top of agitator also needs to be cleaned. The hole and the slots in the two rings will require using a small brush for proper cleaning.

After cleaning, install dispenser cup, then push dispenser housing directly downward onto top of agitator until firmly snapped together.

Use Tips

- Fabric softener spilled onto garments may cause staining. To remove, soak in a soapy solution made from Ivory or Camay soap, or rub the stain with a bar of either of these soaps. Then wash.
- Bleach, blueing, starch, water conditioners or any other product should not be used when fabric softener is used.
- Fabric softener is not to be used in dispenser when using Prewash Soak cycle.
- When adding detergent to wash water, do not allow any to enter into softener dispenser cup, as softener will become gummy.

To prevent softener buildup, the dispenser can be filled or over-filled with clean water for automatic cleaning. This can be done in washing cycles other than when softener is used.



WA130-IN-1

Washing Supplies

Detergent

Use extra detergent for hard water and heavily soiled items. If suds are excessive but clothes are not clean, DO NOT USE LESS DETERGENT. Instead, use a low sudsing detergent.

Nonphosphate Detergents

Nonphosphate detergents will generally not clean as well as detergents containing phosphates, especially if the water is hard. The phosphate content is listed on the side of the detergent package.

The carbonates in some nonphosphate detergents may react with minerals in the water causing a residue or precipitate to form. Continued use of nonphosphate detergents, especially in hard water may cause:

To the Clothes

Greyness of clothes.
Harshness of clothes and thread breakage.
A white residue or streaks that resemble lint or grit.
Loss of color in some fabrics.
A yellowing if iron is present in the water.
Skin irritations.

To the Washer

A white coating may develop on the washtub from these products. This coating can attract lint. A build-up or coating can also develop on the agitator and water carrying parts.

Soap

Soap will react with water hardness minerals to form a lime soap curd which can cling to fabrics or the washer. We recommend the use of soap only in soft or softened water.

Water

Soft or softened water provides the best washing results. See Handbook To Better Automatic Washing.

Stain Removal

Some soils are not readily removed by regular washing methods. They must be treated as stains and given special care. This is often necessary with permanent press clothes. Prompt treatment makes stains easier to remove. See Handbook To Better Automatic Washing.

Handbook To Better Automatic Washing

Consult the handbook whenever you have questions about laundry. It contains the most up-to-date information on fabrics, washing procedures and laundry products to give you the best results.

Always Follow Garment Manufacturer's Instructions

Cycle Chart

(Times are approximate)

Regular

Wash fill	time can vary
Wash agitation	up to 15 min.
Pause	1 min. 50 sec.
Spin	1 min. 30 sec.
Spin & spray	1 min.
Spin	1 min. 30 sec.
Pause	27 sec.
Rinse fill	time can vary
Pause	22 sec.
Rinse agitation	5 min.
Pause	1 min. 50 sec.
Spin	7 min.

Permanent Press

Wash fill	time can vary
Wash agitation	up to 9 min.
Pause	1 min. 50 sec.
Cool down	time can vary
Pause	1 min. 23 sec.
Spin	1 min. 25 sec.
Spin & spray	40 sec.
Spin	1 min. 40 sec.
Pause	27 sec.
Rinse fill	time can vary
Pause	22 sec.
Rinse agitation	3 min.
Pause	1 min. 50 sec.
Spin	5 min. 51 sec.

Delicate

Wash fill or soak	up to 1 min. 9 sec.
Wash fill or agitate	45 sec.
Wash fill or soak	2 min.
Wash fill or agitate	45 sec.
Wash fill or soak	2 min.
Wash fill or agitate	45 sec.
Pause (soak)	1 min. 50 sec.
Cool down	
Spin/fill	time can vary
Fill	time can vary
Pause	1 min. 23 sec.
Spin	1 min. 30 sec.
Spin & spray	40 sec.
Spin	1 min. 35 sec.
Pause	27 sec.
Rinse fill	time can vary
Pause or fill	22 sec.
Rinse fill or agitate	1 min.
Pause	2 min. 30 sec.
Spin	4 min. 21 sec.

Washing Chart

Type Load	Wash Water Temperature	Rinse Water Temperature	Cycle
White & Colorfast	Hot	Cold	REGULAR
Sturdy Cottons	Warm or cold depending on soil	Cold	REGULAR
Noncolorfast	Cold	Cold	REGULAR
Delicate Cottons	Warm	Cold	DELICATE
Permanent Press, Knits, Polyester, Nylon, Acrylics Etc.	Warm or cold depending on color and soil	Cold	PERMANENT PRESS
Lint Shedding Rugs	Warm	Cold	PERMANENT PRESS or DELICATE
Washable Woolens and Delicate Knits	Use special blanket soak method described in handbook		

Use less wash time for delicate and lint shedding items.

Pre-treat oily stains before washing.

Permanent press garments will have their best appearance when dryer dried at permanent press or normal heat setting. Lint receivers (synthetics, corduroy) attract lint while washing. To avoid lint, wash lint receivers separately from lint givers (cottons, rugs, chenille, flannel).

Motor Overload Protector

The internal overload protector will stop the motor automatically in the event of an overload. The overload protector will reset itself in approximately two to three minutes and the motor will restart automatically. If the overload protector stops the motor again, remove the washer from use and call the serviceman to correct the problem.

User-Maintenance Instructions

● Lubrication

All moving parts are sealed in a permanent supply of lubricant, or are equipped with oilless bearings. Additional lubrication will not be necessary.

● Cold Weather Care

If the washer is delivered on a cold day (below freezing), or is stored in an unheated room or area during the cold months, do not attempt to operate until the washer has had a chance to warm up.

● Care Of Your Washer

IMPORTANT: Before using washer for the first time, wipe out the inside of the washtub with a sudsy cloth.

Use only a damp or sudsy cloth for cleaning the control panel. Some spray prewash products may harm the finish on the control panel. Wipe the panel dry after cleaning.

Wipe the washer cabinet as needed. If detergent, bleach or other washing products are spilled on the cabinet, wipe immediately. Some products will cause permanent damage if spilled on the cabinet.

Do not use scouring pads or abrasive cleansers.

Do not lay sharp or rough objects on or against the washer. The finish could be damaged.

The washtub will need no particular care though it may need rinsing or wiping after some unusual load has been washed. This also may be necessary if too little detergent has been used.

Leave the loading door open to allow the inside of the washer to dry out after use. This helps prevent musty odors from developing.

Before You Call For Service

You may save time and money by checking the following:

● If Your Washer:

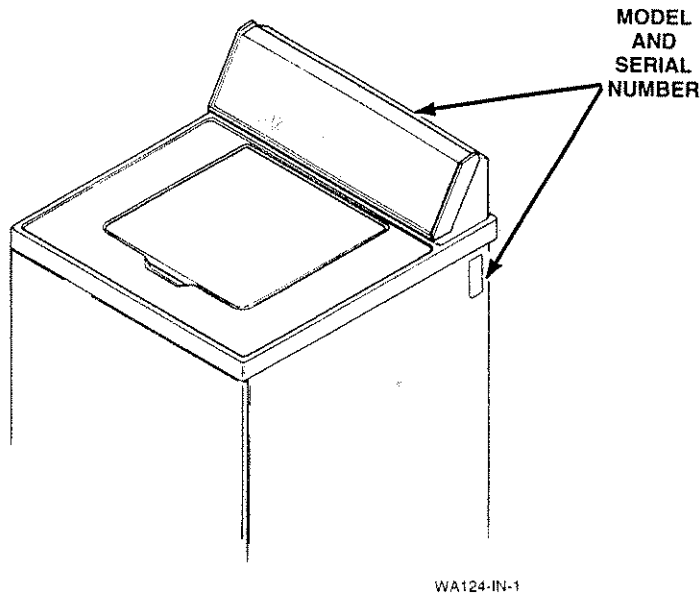
Won't Fill	Won't Start	Won't Agitate	Won't Spin	Possible Reason – Do This To Correct
	•			Be sure the cord is plugged all the way into the electrical outlet.
	•	•	•	Close the loading door.
•	•	•	•	Has the laundry room fuse blown or become loosened, or is a circuit breaker open? The washer itself does not have a fuse.
	•			Has the motor overload protector cycled? See Page 23.
•				Turn on the hot and cold water faucets.
	•			Pull timer knob out to start the washer.
•	•		•	Was the last spin completed?
•				Clean the filter screens located at the faucet end of the inlet hoses. Owner is responsible for service calls regarding cleaning of the screens.
•				Water is siphoned from the washer during the cycle. Refer to the INSTALLATION INSTRUCTIONS supplied with the washer.
•	•			Are controls properly set?
		•	•	Broken drive belt. Call the serviceman.

If Service Is Required

If service is required, contact the nearest authorized Kleenmaid Service Center.

If you're unable to locate an authorized service center or are unsatisfied with the service performed on your washer, write to:

**Kleenmaid
P.O. Box 435
Dee Why, NSW 2099**



WA124-IN-1

When calling or writing about your washer, PLEASE GIVE THE MODEL AND SERIAL NUMBERS. The model and serial numbers are located on the nameplate. The nameplate will be in one of the locations shown. Please include a copy of your bill of sale and any service receipts you have.

Automatic Washer Warranty

Full Two-Year Warranty

In addition to all statutory rights which you, the Consumer, have under all the relevant laws in respect of this appliance, during your first two years of ownership as the original purchaser of the Kleenmaid washing machine, we guarantee that any fault caused by faulty material or workmanship, becoming apparent will be rectified free of charge for parts or labour provided that all service is performed during normal working hours by Kleenmaid or their designated Agent. Where the washing machine is installed outside the normal servicing area of the above, the Purchaser must pay the cost of transporting the appliance to and from the Agent or the Agent's traveling cost to and from the Purchaser's home.

Additional Limited Parts Warranty

We will provide a free replacement part should any of the washer cabinet parts (including the top hob, loading lid, and base) rust from the inside out, during the first five years of use. After the first two years, the Purchaser pays any transport or labour charges.

We will provide a free replacement part for any transmission part which fails as a result of a defect in material or workmanship during the first 10 years. After the first two years, the Purchaser pays any transport or labour charges.

We will replace the stainless steel tub if it fails as a result of a defect in material or workmanship during the first twenty years. After the first two years, the Purchaser pays any transport or labour charges.

What This Warranty Does Not Cover

We are not responsible for any damage or malfunction unless caused by a defect in material or workmanship. This includes, but is not limited to, abuse, misuse, improper installation, and transportation damage. We are not responsible for any consequential damages resulting from any malfunction.