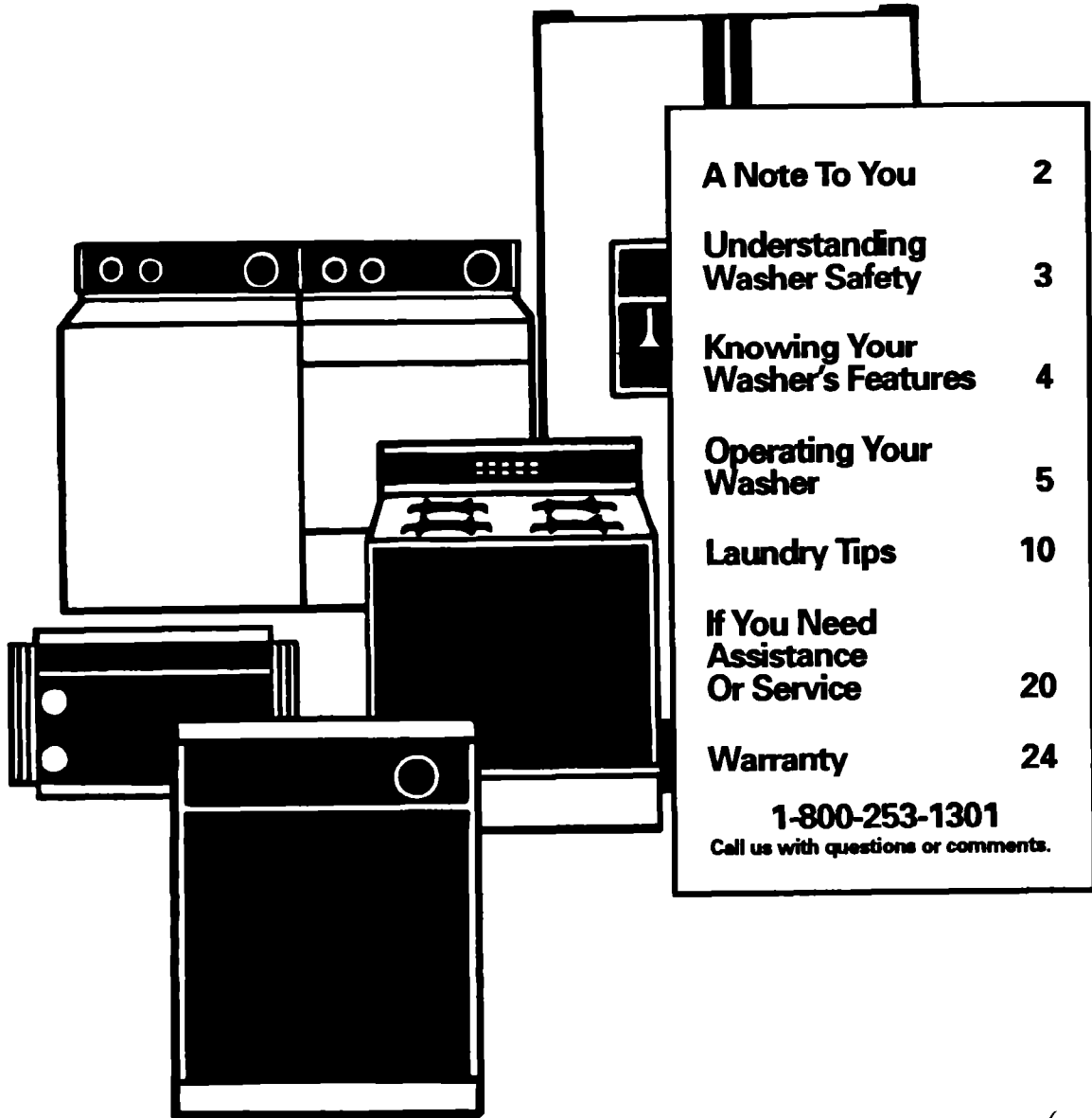


Estate

Use And Care

G U I D E



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1-800-253-1301

Call us with questions or comments.

ONE SPEED AUTOMATIC WASHER

5/94

MODEL TAWM200B

A NOTE TO YOU

A Note To You

Thank you for buying an Estate® appliance.

You have purchased a quality, *world-class* home appliance. Years of engineering experience have gone into its manufacturing. To ensure many years of trouble-free operation, we have developed this Use and Care Guide. It is full of valuable information on how to operate and maintain your appliance properly and safely. Please read it carefully. Also, please complete and mail the Ownership Registration Card provided with your appliance. This will help us notify you about any new information on your appliance.

Your safety is important to us.

This guide contains safety statements under warning symbols. Please pay special attention to these symbols and follow any instructions given. Here is an example of the use of the symbol.

<p>⚠ WARNING</p> <p>This symbol will help alert you to such dangers as personal injury, burns, fire and electrical shock.</p>
--

Our Consumer Assistance number, 1-800-253-1301, is toll-free 24 hours a day.

If you have a question concerning your appliance's operation, or if you need service, first see "If You Need Assistance Or Service" on page 20. If you need further help, call us. When calling, you will need to know your appliance's complete model number and serial number. You can find this information on the model and serial number plate (see diagram on page 4). For your convenience, we have included a handy place below for you to record these numbers, the purchase date from the sales slip, and your dealer's name and telephone number. Keep this book and the sales slip together in a safe place for future reference.

Model Number _____	Dealer Name _____
Serial Number _____	Dealer Phone _____
Purchase Date _____	

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING

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

- Read all instructions before using your washer.
 - Do not machine wash or machine dry items cleaned, washed, soaked in, or spotted with wax, paint, gasoline, oil, or other flammable fluids. The fumes can create a fire hazard or explosion. Always hand wash and line dry items containing these materials.
 - Flammable fluids (dry-cleaning solvents, kerosene, gasoline, etc.) should not be used or stored in or near your washer. Do not add flammable fluids to your wash water. These substances give off vapors that can create a fire hazard or explosion.
 - Do not allow children to operate, play with, or crawl on or inside your washer. Supervise children closely when your washer is used near them.
 - Before your washer is removed from service or discarded, remove the lid to prevent accidental entrapment.
 - After starting a cycle, do not reach into the basket unless the Cycle Control Knob is pushed in and all motion stops.
 - Do not tamper with the controls.
 - If your hot water has not been used recently (usually 2 weeks or longer), hydrogen gases may build up in your water heater and your hot water pipes. **HYDROGEN GAS IS EXPLOSIVE.** To prevent injury or damage, before using your washer, turn on all hot water faucets and allow water to run for several minutes. This will allow gases to escape. Do not smoke or use any open flame near your faucet while it is open.
- Please ...
- Have only a qualified repairman install, repair, or replace parts on washer.
 - Maintain washer properly.
 - Protect washer from the weather and keep it where the temperature will not fall below freezing.
 - Install and level washer on a floor that can support the weight.*
 - Connect washer to the correct 3-prong outlet, electrical supply, water supply, and drain.*
 - Ground washer properly.*
- *See the Installation Instructions.

Understanding your responsibilities

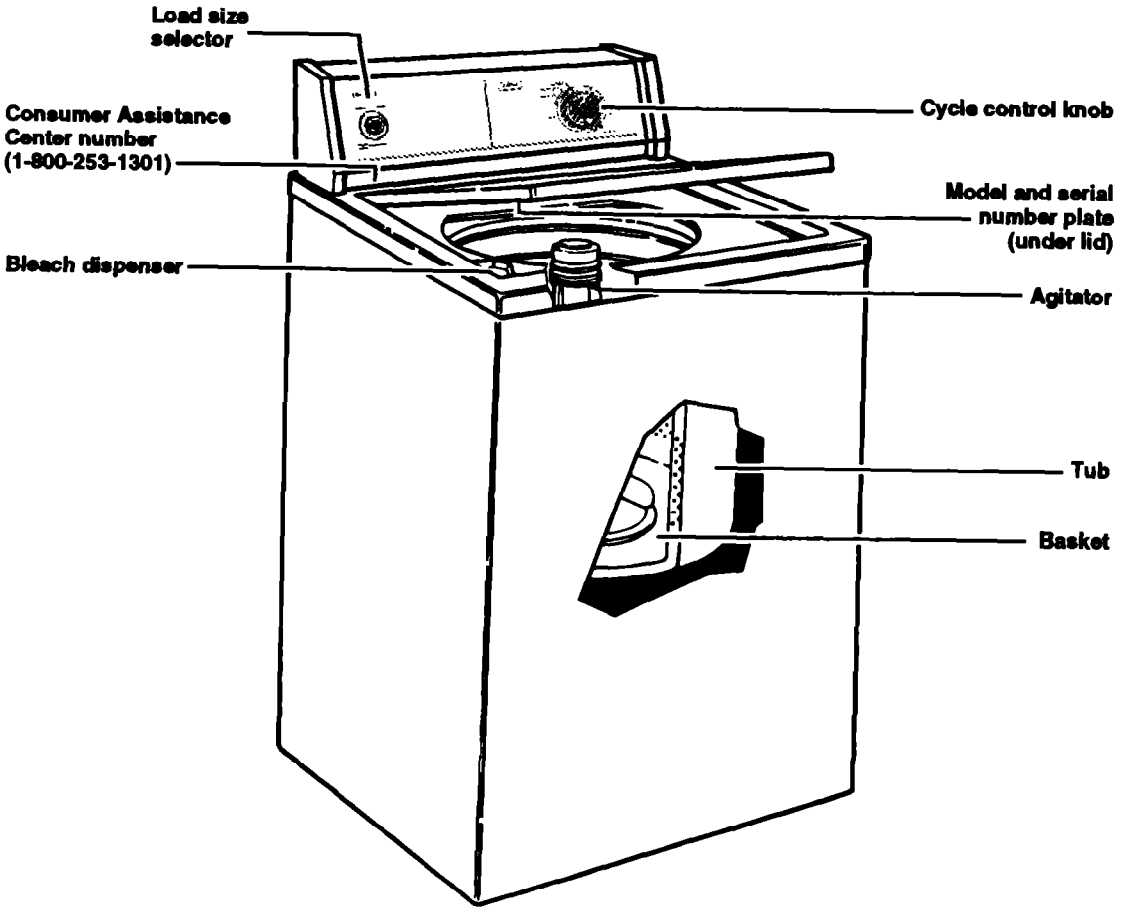
- Store detergent, laundry aids and other materials in a cool, dry place where children cannot reach them (in a locked cabinet if possible).
- Read and follow instructions on packages of detergent and laundry aids, especially warnings and precautions.
- Do not wash or dry items that are soiled with vegetable or cooking oil. These items may contain some oil after laundering. Due to the remaining oil, the fabric may smoke or catch fire by itself.
- Do not use chlorine bleach and ammonia or acids (such as vinegar or rust remover) in the same wash. Hazardous fumes can form.
- Unplug power supply cord before attempting to service your washer.
- Do not machine wash fiberglass materials. Small particles can stick to the fabrics washed in following loads and cause skin irritation.

– SAVE THESE INSTRUCTIONS –

KNOWING YOUR WASHER'S FEATURES

Knowing Your Washer's Features

The parts and features of your washer are illustrated below. Become familiar with all parts and features before using your washer.



Operating Your Washer

In This Section

	Page	Page	
Before starting your washer	5	Using rinse and spin	8
Starting or stopping your washer	5	Using drain and spin	8
Selecting a load size	5	What happens in each cycle	9
Selecting a wash temperature	6	Using the chlorine bleach dispenser	9
Selecting a cycle and time	7		

Operating your washer properly assures maximum washing efficiency. This section gives you important information to help you to select a cycle, time, and temperature for your wash load.

Before starting your washer

Add measured detergent. Then place a sorted load in the washer before starting.

See page 10 for additional "Before you wash" information.

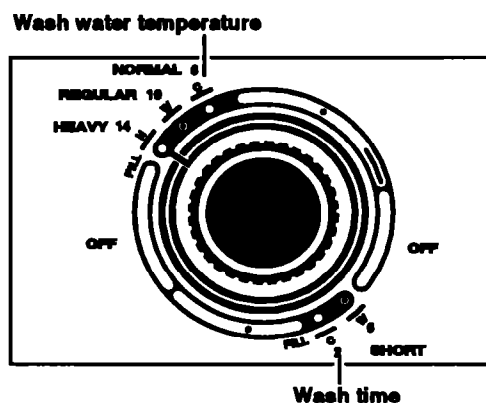
Starting or stopping your washer

Starting your washer:

1. Select a load size (see below).
2. Push in the Cycle Control Knob and turn it clockwise. Stop when the indicator on the knob's outer ring points to the number and wash water temperature in the cycle you want. The numbers are minutes of wash time. Wash water temperature is indicated by the letter near Fill (H=Hot, W=Warm, C=Cold). (See pages 6-8.)
3. Pull out the Cycle Control Knob.

Stopping and restarting your washer:

- To stop the washer at any time, push in the Cycle Control Knob.
- To restart the washer, close the lid (if necessary) and pull out the Cycle Control Knob.



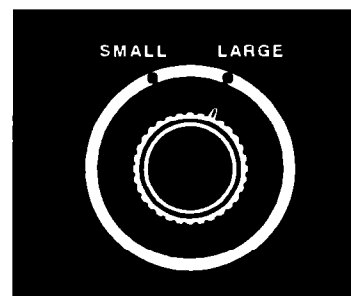
Selecting a load size

Position the Load Size Selector at the setting that corresponds to the size load you want to wash. Select a setting based upon the size of the load and the fabric you are washing. See pages 10 and 11 for additional loading information.

To change the load size setting after the washer has started to fill, move the Selector to the desired new setting.

Load size tips

- Items should move freely during the wash. Do not overload the machine or select a load size that is too small for the wash load.
- Use the Large load size setting for best results with permanent press clothes.
- Reduce wash time when using the Small load size setting. Loads with only a few small items need less wash time.



Selecting a wash temperature

Your washer selects a wash water temperature and time when you select a wash cycle (see "Selecting a cycle and time" on page 7).

Match the wash water temperature to the type of fabric and soils being washed. All rinses are cold.

For hot wash water, turn the Cycle Control Knob to Heavy, 14 minutes wash time.

For warm wash water, turn the Cycle Control Knob to Regular, 10 minutes wash time; or Short, 6 minutes wash time.

For cold wash water, turn the Cycle Control Knob to Normal, 6 minutes wash time; or Short, 2 minutes wash time.

You may select different wash times by first selecting the water temperature and then turning to the new wash time. For example, if you desire 14 minutes wash time with cold water:

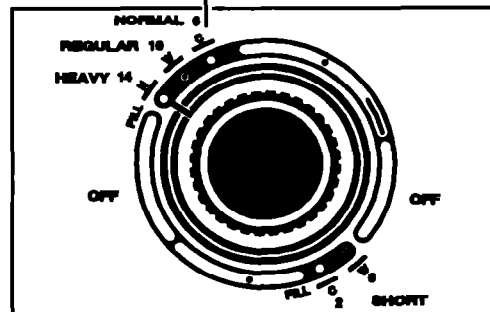
1. Push in the Cycle Control Knob and turn it clockwise to Normal-6 (cold wash water).
2. Pull out the Cycle Control Knob and allow your washer to fill.
3. When your washer has filled, push in and turn the Cycle Control Knob clockwise to Heavy-14. (Your washer may add a small amount of additional warm water, but this should not affect the overall desired wash water temperature.)
4. Pull out the Cycle Control Knob.

Water temperature tips

- Use warm or hot wash water with permanent press fabrics.
- For heavily soiled permanent press or knit clothes, pre-wash or pre-soak in warm water before washing.

See the "Water usage guide" on page 14 for more information.

Wash water temperature



Selecting a cycle and time

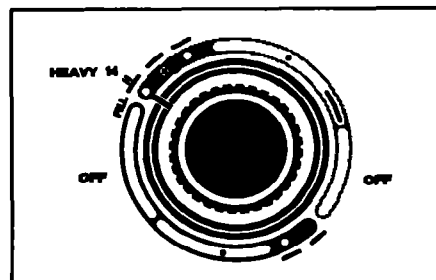
Use the following information to guide you when selecting a wash cycle and time.

When you select a wash cycle, your washer selects the wash water temperature. If you want a different temperature, see "Selecting a wash temperature" on page 6.

Heavy cycle

The Heavy cycle features hot water for heavy soils and longer spins to shorten drying time.

- Use 14 minutes of wash time to clean sturdily constructed fabrics and heavily soiled loads.

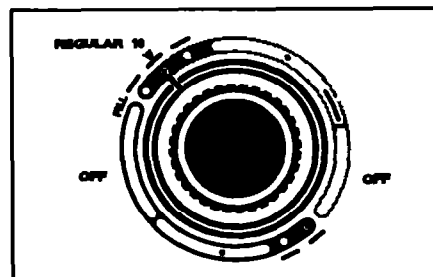


Heavy cycle

Regular cycle

The Regular cycle features warm wash water and longer spins to shorten drying time. This cycle is suitable for most wash loads.

- Use 10 minutes of wash time to clean cottons, permanent press, and some synthetic fabrics that are moderately to heavily soiled.

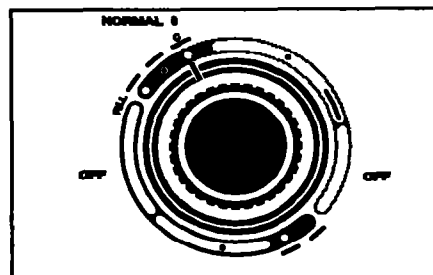


Regular cycle

Normal cycle

The Normal cycle features cold wash water for special fabrics and longer spins to shorten drying time.

- Use 6 minutes of wash time for lightly to moderately soiled delicate items and washable knits.

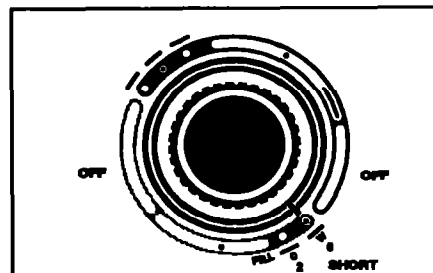


Normal cycle

Short cycle

The Short cycle features a brief wash cycle with warm or cold wash water and shorter spins.

- Use 6 minutes of wash time with warm wash water to clean lightly to moderately soiled delicate items.



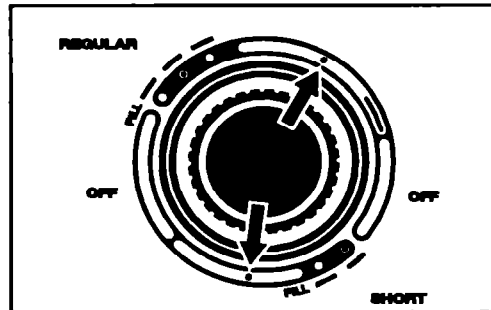
Short cycle

OPERATING YOUR WASHER

Using rinse and spin

When using extra detergent for heavily soiled clothes, or washing special-care items, you may want an extra rinse and spin.

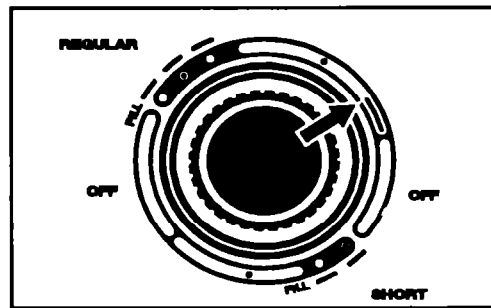
1. Push Cycle Control Knob in and turn clockwise to one of the dots on the dial, as illustrated.
2. Pull Cycle Control Knob out. The washer will fill to selected load size, agitate, drain, and spin.



Using drain and spin

A drain and spin may shorten drying times for some heavy fabrics or special-care items by removing excess water.

1. Push Cycle Control Knob in and turn clockwise until the indicator points to the bar on the dial, as illustrated.
2. Pull Cycle Control Knob out. The washer will drain and spin.

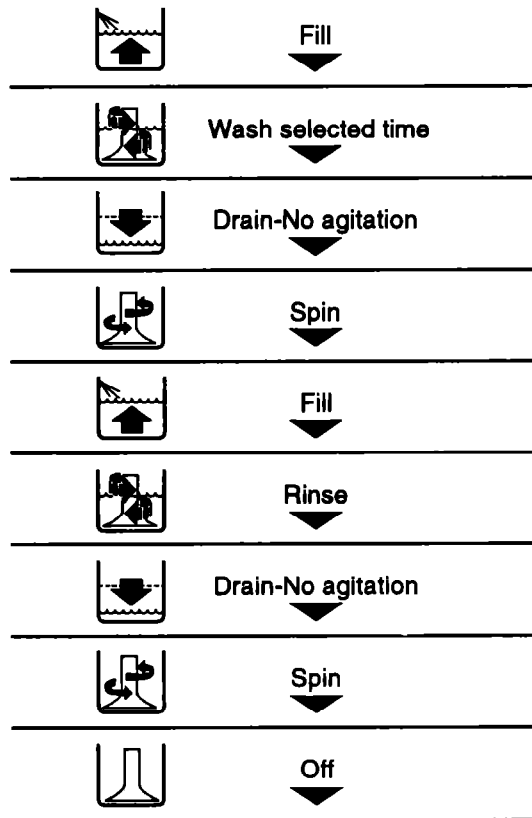


What happens in each cycle

When the Cycle Control Knob is set to a number and pulled out, the washer fills to the selected water level with the selected water temperature before agitation and timing start. The washer will begin agitating immediately after filling; agitation can occur with the washer lid up or down. After agitation starts, the knob turns clockwise until it points to OFF and the cycle ends.

The washer pauses briefly throughout each cycle. These pauses are normal for washer operation.

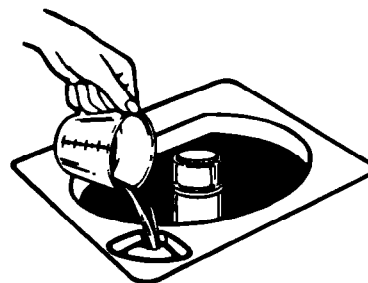
NOTE: If your washer drains into a laundry tub, remove lint collected in the tub or strainer.



Using the chlorine bleach dispenser

Always measure liquid chlorine bleach. Do not guess. Never use more than 1 cup (250 mL) for a full load. Use less with lower water level settings. Follow manufacturer's directions for safe use. Use a cup with a pouring spout to avoid spilling.

1. Load the washer.
2. Pour measured chlorine bleach carefully into dispenser. Do not let bleach splash, drip or run down into washer basket. Undiluted bleach will damage any fabric it touches.
3. Start the washer. Bleach will be diluted automatically during the wash part of the cycle.



NOTE: Do not use this dispenser to add powdered chlorine or all-fabric bleach to your wash load. The dispenser is for liquid chlorine bleach use only.

Laundry Tips

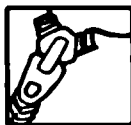
In This Section			
	Page		Page
Before you wash	10	Solving laundering problems	18
Removing stains	11	Caring for your washer	19
Water usage guide	14	Care during periods of non-use	19
Using laundry aids	15	Saving energy	19
Washing special-care items	16		

This section reviews proper laundering techniques, gives you additional washing information, and discusses solutions to common laundering problems.

Before you wash

Preparing clothes for washing

- Close zippers, snaps, and hooks to avoid snagging other items. Remove pins, buckles, and other hard objects to avoid scratching the washer interior. Remove unwashable trim and ornaments.
- Empty pockets and turn them inside out.
- Turn down cuffs and brush away lint and dirt.
- Turn synthetic knits inside out to avoid pilling.
- Tie strings and sashes so they will not tangle.
- Mend tears, loose hems and seams.
- Treat spots and stains. (See pages 11-13 for pretreatment and stain removal information.)
- Stained or wet garments should be washed promptly for best results.



Sorting

- Separate heavily soiled items from lightly soiled ones even if they would normally be washed together. Separate lint givers (towels, chenille) from lint takers (corduroy, synthetics, permanent press). When possible, turn lint givers inside out.
- Separate dark from light colors, colorfast from noncolorfast.
- Sort by fabric and construction (sturdy cottons, knits, delicate items).



Loading

- Drop items into washer loosely. Fill to the top of the basket, but do not pack or wrap items around the agitator. Items should move easily through wash water for best cleaning and wrinkle-free results. Watch for rollover. Items should sink and reappear later.
- Load washer properly. Overloading or packing can:
 - cause poor cleaning.
 - increase wrinkling.
 - create excessive lint.
 - wear out items faster (because of pilling).
- Load by the amount of space items take up, not by their weight.
- Mix large and small items in each load. Load evenly to maintain washer balance. An off-balance load can make the machine vibrate during spin. To reduce wrinkling, permanent press and synthetic knits should have more room to move in the water than heavy items (towels, jeans).



Loading suggestions

For these suggested full-sized loads, set the Load Size Selector to the Large setting.

FULL-SIZE LOADS			
<p>Heavy Work Clothes</p> <p>1 pair pants 2 shirts 2 pair jeans 1 coverall</p>	<p>Mixed Load</p> <p>1 double sheet 2 pillowcases 6 T-shirts 6 pair shorts 2 shirts 2 blouses 6 handkerchiefs</p>	<p>Knits</p> <p>1 pair slacks 2 shirts 3 tops 1 vest 2 sweaters</p>	<p>Permanent Press</p> <p>1 tablecloth 1 skirt 2 blouses 2 shirts 1 pair slacks</p>
<p>Delicates</p> <p>2 camisoles 4 slips 4 panties 2 bras 2 nighties</p>		<p>Towels</p> <p>7 bath towels 4 hand towels 7 wash cloths</p>	

Removing stains

Stained, heavily soiled or greasy items may need to be pre-washed or soaked for best results. Soaking helps remove protein-type stains like blood, milk, or grass. Pre-washing helps loosen soil before washing.

Pre-washing or soaking

Use warm water for soaking or pre-washing stained laundry. Hot water can set stains.

Stain removal rules

- Most stains are easier to remove when they are fresh. Old or set stains may not come out. Follow package directions for pretreatment products.
- Before treating any stain, find out ...
 1. What kind of stain it is.
 2. What kind of fabric it is and if it is colorfast (check label).

3. How old the stain is. Washing and drying can set some stains.

- Start with cold or warm water. Hot water can set some stains.
- When bleach is recommended, use a bleach that is safe for the fabric. Dilute chlorine bleach.
- Test stain removers on an inside seam or hidden corner of the item to see if the color is removed.
- Put the stained area face down on a paper towel or white cloth. Apply the stain remover to the back of the stain. This can force the stain off the fabric instead of through it.
- Meat tenderizer or enzyme presoaks help break down some protein stains so they are easier to remove.

LAUNDRY TIPS

Stain removal guide

STAIN	TO REMOVE
Alcoholic beverage	These stains turn brown with age, so treat immediately. Sponge or soak fresh stains with cold water. Wash. If stain remains, soak 15 minutes in a solution of lukewarm water, liquid detergent and a few drops of white vinegar. Rinse. Wash.
Blood	Rinse immediately or soak in cold water with enzyme presoak for 30 minutes or longer. Rinse. Rub detergent into any remaining stains. Rinse. If stain remains, put a few drops of 3% hydrogen peroxide on stain for 3-5 minutes. Rinse thoroughly. Wash.
Chewing gum	Use ice to make gum hard. Scrape off what you can. Sponge with a nonflammable fabric cleaner. Let dry. Wash.
Chocolate or coffee	Sponge immediately with a nonflammable fabric cleaner or apply a prewash soil and stain remover. Rinse. Wash. If stain remains, apply a liquid detergent to stain or soak in warm water with an enzyme presoak. Rewash.
Crayon and candle wax	Scrape off excess with a dull knife. Place fabric between two blotters or facial tissue. Press with warm iron. Remove color stain with nonflammable fabric cleaner. Hand wash until stain is gone. If full load is crayon stained, take to cleaners or coin-operated dry cleaning machine.
Cream, milk or ice cream	Sponge with a nonflammable fabric cleaner, or a prewash soil and stain remover. Rinse. Wash. Repeat if necessary. If stain remains, apply a few drops of liquid detergent and a few drops of ammonia. Blot dry and rinse. If stain remains, soak in an enzyme presoak. Wash.
Deodorants and anti-perspirants	Light stain: Treat with liquid detergent or your regular laundry detergent. Wash in hottest water safe for fabric. Heavy stain: Place face down on towel and treat with a paste of ammonia and all-fabric bleach. Let stand for 30 minutes. Wash in hottest water safe for fabric.
Fat, grease or oil	Items soiled with vegetable or cooking oil should not be washed or dried. See vegetable/cooking oil Warning on page 3. For other types of greasy stains, use one of the methods below: <ul style="list-style-type: none"> • Use pretreatment stain remover. Follow label directions. Wash in hottest water safe for fabric. • Use talcum powder to absorb as much grease as possible. Sponge with a nonflammable fabric cleaner. Rinse. Wash. • Treat with liquid detergent or rub a detergent paste on the stain. Wash using hottest water safe for fabric.
Fruit stains	Fresh stains: Soak immediately in cool water. Wash. If stain remains, cover area with a paste made of all-fabric bleach, a few drops of hot water and a few drops of ammonia. Wait 15 to 30 minutes. Wash. Old stains: Sponge with white vinegar. Rinse. Then follow procedure for fresh stains.
Grass or green vegetables	Soak in warm or cold water with an enzyme presoak for at least 30 minutes, or sponge with denatured alcohol. Wash in water temperature and bleach safe for the fabric. For colored fabrics, check colorfastness before applying alcohol. For acetate, sponge with a nonflammable fabric cleaner. If stain remains, bleach with 3% hydrogen peroxide. Rinse. Rewash.
Ink or ballpoint pen ink	Spray stain with an aerosol hair spray or rubbing alcohol. Sponge stain continuously until all bleeding stops. Let dry. Repeat if necessary. Wash. If stain remains, bleach if safe for fabric. (India and other indelible inks are almost impossible to remove completely.)

LAUNDRY TIPS

STAIN	TO REMOVE
Iron or rust	Colored or noncolorfast items: Apply lemon juice and salt. Place in the sun to dry. Rinse thoroughly. Repeat if necessary. White or colorfast items: Try a rust remover. Test first on inside seam or hem. Some rust removers are not washer safe. Follow package directions.
Ketchup or tomato products	Sponge immediately with a nonflammable fabric cleaner or apply a prewash soil and stain remover. Rinse. Wash. If stain remains, apply a liquid detergent to stain or soak in warm water with an enzyme presoak. Rewash.
Lipstick	Apply nonflammable fabric cleaner or prewash soil and stain remover. Blot with absorbent material. Repeat if necessary. Rinse. If stain still remains, rub with liquid detergent. Wash.
Meat juice, egg	Scrape off excess with a dull knife. Soak in cold or warm water with enzyme presoak at least 30 minutes, or treat stains with a nonflammable fabric cleaner. Wash.
Mildew	Wash in hottest water safe for fabric. If stain remains, soak in warm water and an all-fabric bleach for 15 to 30 minutes. Rewash. (Old mildew stains are almost impossible to remove. Mildew fungus destroys or weakens fabrics.) An alternative to bleach is to treat with salt and lemon juice and dry in direct sunlight. Rinse and rewash. Mildew may form if wet or damp laundry remains in your washer for extended periods of time. To prevent mildew, promptly dry laundry after washing.
Mustard	Treat immediately. Scrape off excess mustard. Sponge with a nonflammable fabric cleaner or a prewash soil and stain remover. Rinse. Work liquid detergent and a few drops of vinegar into stain. Rinse. If stain remains, apply 3% hydrogen peroxide. Rinse and wash.
Paint	Hand wash paint-stained items. Water base: Treat stains while still wet. (These paints cannot be removed after they have dried.) Rinse in warm water to flush out paint. Sponge with a nonflammable fabric cleaner. Rinse. Wash. Oil base: Scrape off fresh paint. Sponge with a nonflammable fabric cleaner or treat stain with recommended thinner. While stain is still wet with solvent, rub liquid detergent into it. Wash with hottest water safe for fabric.
Perspiration	Remove stains before ironing. Perspiration stains may weaken fabric. Wash or sponge stain thoroughly with detergent and warm water. If perspiration has changed the color of the fabric, use one of the following treatments: Fresh stains: Apply ammonia to stain. Rinse. Launder to remove ammonia odor. Old stains: Apply white vinegar to stain. Rinse. Launder to remove vinegar odor.
Scorch	Severe scorch cannot be removed. Wet stain with 3% hydrogen peroxide. Cover with a dry cloth and press with an iron as hot as is safe for fabric. Rinse well. Wash. OR Wet with lemon juice and spread in the sun to dry. Wash.
Soft drinks	Sponge immediately with cold water and alcohol. Heat and detergent may set stain.

Water usage guide

Water temperature

WASH	RINSE	USE FOR	COMMENTS
HOT 130°F (54°C) or above	COLD	<ul style="list-style-type: none"> • Heavy soils • Work clothes • Sturdy whites and colorfast pastels • Diapers 	<ul style="list-style-type: none"> • Gives best cleaning for heavy soils. • Removes oils, perspiration, greasy soils and stains. • Prevents graying and yellowing.
WARM 90°-110°F (32°-44°C)	COLD	<ul style="list-style-type: none"> • Light and moderate soils • Dark or noncolorfast colors • Moderately soiled permanent press • Nylons, polyesters, acrylics, silks, woolens • Knits and delicate fabrics • Prewash, soak 	<ul style="list-style-type: none"> • Safe for most fabric finishes. • Less fading and dye bleeding. • Reduces wrinkling.
COLD 70°-90°F (21°-32°C)	COLD	<ul style="list-style-type: none"> • Very lightly soiled items • Moderately soiled items if extra detergent is added • Extra sensitive colors (noncolorfast) • Rinsing, for all fabrics 	<ul style="list-style-type: none"> • Saves hot water. • Less effective cleaning than hot or warm water. • Use longest wash time in cycle selected. • Use liquid detergent, or dissolve powdered detergent in warm water before adding to cold wash water. • Pretreat spots, stains and heavy or greasy soils.

To check your hot water temperature with a candy or cooking thermometer:

1. Fill a pan with the hottest water available from the faucet that will fill your washer.
2. Place a candy or cooking thermometer in water to check the temperature.

If you do not have a faucet at your wash site, collect water from the faucet closest to your washer.

NOTE: In wash-water temperatures colder than 70°F (21°C):

- Detergents do not dissolve well.
- Soils are difficult to remove.
- Some fabrics will retain wear wrinkles and may have increased pilling.

Water hardness

Many poor washing results can be traced to wash-water hardness. To check your water hardness:

- City water—ask your city water company.
- Well water—call your local water authority.

Ask for the mineral content in grains-per-gallon or parts-per-million. If your water is 9 or more grains-per-gallon or more than 153 parts-per-million:

- Consider installing a water softener.
- Use more detergent.
- Use a packaged water conditioner.
- Do not use soap.

Using laundry aids

Follow package instructions when using laundry aids. (See "Removing Stains" on pages 11-13 for more information.)

!WARNING

Fire or Explosion Hazard

- Store flammable solvents or liquids away from your washer.
- Dry-cleaning solvents or fluids should not be put directly into your washer.
- Items treated with solvents should be rinsed and air dried before washing in your washer.

The fumes from these substances can create a fire hazard or explosion.

Personal Injury Hazard

- Never use chlorine bleach with ammonia or acids. Hazardous fumes can form.
- Keep stain removal products out of the reach of children ... preferably in a locked cabinet.

All-fabric bleach

- Powdered or liquid all-fabric bleach may be used on all types of fabrics.
- Do not use all-fabric bleach in the bleach dispenser because it may clog.

Chlorine bleach

- Use your bleach dispenser. (See page 9.)
- Follow directions on care labels. Do not use chlorine bleach on wool, silk, spandex, acetates, or some flame-retardant fabrics.
- When soaking with chlorine bleach, add detergent to soak water.

NOTE: Undiluted bleach will damage any fabric it touches. The damage appears as rips, holes, tears, or color loss, and may not show up until several washings later.

Detergent

- Using too little detergent is a common cause of laundry problems. Follow manufacturer's directions. Measure accurately, especially when using ultra detergents. Package directions are usually based on:
 - moderate water hardness (4-6 grains)
 - lightly soiled items
 - normal wash loads.
- Use more detergent for:
 - hard water
 - cooler wash water
 - full loads
 - heavily soiled items.
- Do not judge the amount of detergent to use by the amount of suds in the machine. Low sudsing detergents do not create as many suds as normal sudsing detergents.
- If the recommended amount of normal sudsing detergent creates too many suds or suds are present in the rinse water, try a low sudsing detergent.

Fabric softeners

- Add diluted fabric softener only in the final rinse.
- Always dilute fabric softeners with 1/2 to 1 cup (125 to 250 mL) warm water. Undiluted fabric softener can stain fabrics.
- Fabric softeners should not be mixed with other laundry products because greasy stains may form. If stains form, remove by wetting the stain and rubbing with liquid detergent or a bar of soap. Rewash the stained item.
- Too much fabric softener can make some items (diapers and towels) non-absorbent. If this happens, use less fabric softener or do not use it every time.

Washing special-care items

Most garments and household textiles have care labels with laundering instructions. Always follow label directions when they are available. General washing instructions for some special washables are included in this section.

<p>Blankets</p>	<p>Pretreat spots and stains. Select water temperature, cycle, and time according to the type of blanket being washed. Two rinses may be necessary.</p> <p>If manufacturer recommends machine washing:</p> <ol style="list-style-type: none"> 1. Measure blanket before washing. 2. Add mild detergent to washer. Fill and agitate briefly to dissolve detergent. 3. Stop washer. Load blanket evenly around agitator. Soak 10 to 15 minutes. 4. Set Cycle Control Knob to Drain and Spin. Start washer. Spin 1 to 2 minutes. 5. Fill washer for final rinse. Stop washer. Allow to soak. 6. Set Cycle Control Knob to Drain and Spin. Start washer. Allow washer to finish cycle. 7. Lay blanket on flat surface and block by gently stretching to original measurement. Woolens tend to shrink more the first time they are washed. This is normal.
<p>Curtains, drapes, slipcovers</p>	<p>Wash small loads. Crowding will cause wrinkling.</p> <ol style="list-style-type: none"> 1. Shake or vacuum to remove loose dirt. 2. Wash following manufacturer's instructions. <p>NOTE:</p> <ul style="list-style-type: none"> • Sun-damaged curtains and draperies will tear whether hand or machine washed. • Replace slipcovers while still slightly damp. They will dry to fit tightly.
<p>Diapers</p>	<p>When using chlorine bleach for soaking, add detergent to load. Avoid overuse of fabric softeners. Absorbency will be reduced.</p> <ol style="list-style-type: none"> 1. Rinse immediately. Soak in a solution of lukewarm water and a small amount of detergent until you are ready to wash them. You may wish to use bleach or a special soaking product when soaking. 2. Spin excess water from diapers before washing. 3. Wash diapers as you would wash white cottons and linens.
<p>Elastic, spandex</p>	<p>Elastic picks up oil from the body. Oil can damage elastic. Wash often to help reduce the damage. Use warm water and sufficient detergent to remove oils.</p>
<p>Flame-retardant clothing</p>	<p>Items will be clearly labeled as flame-retardant. Follow manufacturer's instructions to retain flame retardant qualities.</p>

LAUNDRY TIPS

Fiberglass materials	Do not wash fiberglass materials in your washer. Glass particles could stick to the next load and cause skin irritation.
Knits	<p>Knits are comfortable to wear because they stretch. However, this means that knits are more likely to be stretched and damaged when washed (especially bulky knits). Knits made of synthetic fabrics such as polyester, nylon, and acrylic tend to keep their original shape more than a knit made of cotton or ramie.</p> <ol style="list-style-type: none"> 1. Close zippers, fasten hooks and eyes to prevent snagging. 2. Wash small loads to reduce pilling and lint.
Pillows, stuffed toys	<p>Washing feather pillows is not recommended unless they are dryer dried.</p> <ol style="list-style-type: none"> 1. Add detergent, then partially fill washer with water; agitate until detergent is dissolved. 2. Place two pillows on opposite sides of the agitator to balance the load. 3. Allow washer to fill completely and continue through the cycle. 4. Stop the washer occasionally to press air from item(s) being washed.
Plastic, rubber items	Treat as delicate items. Wash in warm water. Wash small items in a mesh bag.
Quilts, bedspreads	Do not wash cotton-filled comforters unless they are quilted or stitched; tucked cotton batting tends to slip and become lumpy.
Scatter rugs	<ol style="list-style-type: none"> 1. Shake or vacuum to remove loose dirt. 2. Wash more than one small rug at a time. If you wash only one rug, add bath towels to balance the load. A larger rug should be distributed around the agitator to balance the load.
Snowsuits, jackets, etc.	<ol style="list-style-type: none"> 1. Wash only one or two items at a time. Load evenly around the agitator. 2. Stop the washer occasionally to press air from item(s) being washed. 3. Two rinses may be necessary.

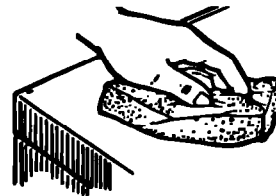
Solving laundering problems

Most laundering problems are easily solved if you understand the cause. Check the following list for problems you may have and possible causes. If you need additional help, check the "If You Need Assistance or Service" section of this book.

PROBLEM	CAUSE
Brown, yellow stains	<ul style="list-style-type: none"> • Chlorine staining • Iron in water heater or pipes • Iron and manganese in water
Dye transfer	<ul style="list-style-type: none"> • Improper sorting • Load not immediately removed from washer after end of cycle
Gray whites, dingy colors	<ul style="list-style-type: none"> • Improper sorting • Water temperature too low • Not enough detergent • Using soap in very hard water (use detergent if you have hard water)
Greasy looking spots	<ul style="list-style-type: none"> • Undiluted fabric softener or fabric softener poured directly on load • Fabric softener in wash water • Not enough detergent
Lint	<ul style="list-style-type: none"> • Improper sorting • Paper or tissue in pockets • Pilling being mistaken for lint • Overloading • Not enough detergent
Load too wet after spin	<ul style="list-style-type: none"> • Cold rinses • Lid is opened before spinning is completed
Shrinking	<ul style="list-style-type: none"> • Fabric type (some knits stretch during manufacturing—laundering returns fabric to original size) • Care label directions not followed
Snags, rips, holes	<ul style="list-style-type: none"> • Items damaged before washing • Misuse of chlorine bleach • Sharp articles not removed from pockets • Overloading • Fasteners not fastened
Stiff, rough fabrics (usually cottons)	<ul style="list-style-type: none"> • Using soap in very hard water (use detergent if you have hard water) • Not enough detergent • Line drying
Twisting, tangling	<ul style="list-style-type: none"> • Overloading • Improper loading (do not wrap large items around agitator)
Wrinkling	<ul style="list-style-type: none"> • Overloading • Load not immediately removed from washer after end of cycle • Improper rinse temperature • Cycle selection is incorrect (based on fabric type)
Yellow areas (from body oils)	<ul style="list-style-type: none"> • Water temperature too low • Not enough detergent

Caring for your washer

- Wipe up detergent, bleach, and other spills with a soft, damp cloth or sponge as they occur.
- Remove hard water deposits using only cleaners labeled as washer safe.
- If the washer interior needs cleaning (for example, after tinting or dyeing), put 1 cup (250 mL) of chlorine bleach and 2 cups (500 mL) of detergent in the washer. Run through a complete cycle using hot water. If staining occurs on following loads, repeat the process.
- Sharp or metal objects can damage your washer. Check pockets for pins, clips, money, bolts, nuts, etc. Do not lay these objects on your washer after emptying pockets.



NOTE: Operate your washer only when you are at home.

Care during periods of non-use

Winter storage or moving care

Install and store your washer where it will not freeze. Because some water stays in the washer, freezing can damage it. If your washer is stored or moved during freezing weather, winterize it.

1. Shut off both water faucets. Disconnect the drain water inlet hoses.
2. Put 1 quart (1 L) of R.V.-type antifreeze in the basket.
3. Run washer on a drain and spin setting (see page 9) for about 30 seconds to mix the antifreeze and water.
4. Unplug power supply cord.

To use the washer again:

1. Flush water pipes and hoses.
2. Reconnect water inlet hoses.
3. Turn on both water faucets.
4. Reconnect power supply cord.
5. Run the washer through a complete cycle with 1 cup (250 mL) of detergent to clean out antifreeze.

Non-use/vacation care

1. Unplug power supply cord or turn off electrical power.
2. Turn off water supply leading to your washer. This will help avoid accidental flooding while you are away (for example, due to a water pressure surge).

Saving energy

- Use warm or cold wash water for most loads. Use hot water only when washing heavy, greasy soils or whites.
- Use cold rinses.
- Wash full loads.
- Use lower water levels when washing small loads.
- Use your washer during off-peak hours. (Ask your power company for details.)

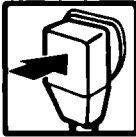
IF YOU NEED ASSISTANCE OR SERVICE

If You Need Assistance Or Service

1. Before calling for assistance ...



Is your water turned on?



Is the power cord plugged in?



Have you blown a fuse or tripped the circuit breaker?

If you need more help, check the chart below.

PROBLEM	CHECK THE FOLLOWING
Washer will not fill	Are both hot and cold water faucets open? Are the water supply hoses kinked? Is the Cycle Control Knob set and pulled out?
Washer does not spin	Is the lid closed?
Washer stops during a cycle	Washer pauses briefly at different times in each cycle. These pauses are normal.
Washer fills and drains without running	Is the Cycle Control Knob pointing to a number in the cycle?
Washer drains during wash and rinse cycles, or water siphons out	Adjust the drain hose so that it is higher than the water level in the washer.

2. If you need assistance* ...

Call Whirlpool Consumer Assistance Center telephone number. Dial toll-free from anywhere in the U.S.A.:

1-800-253-1301

and talk with one of our trained consultants. The consultant can instruct you in how to obtain satisfactory operation from your appliance or, if service is necessary, recommend a qualified service company in your area.

If you prefer, write to:

Mr. William Clark
Consumer Assistance Representative
Whirlpool Corporation
2000 N State Route 63
Benton Harbor, MI 49022-2692

Please include a daytime phone number in your correspondence.

3. If you need service* ...

Whirlpool has a nationwide network of authorized Whirlpool® service companies. Whirlpool service technicians are trained to fulfill the product warranty and provide after-warranty service, anywhere in the United States. To locate the authorized Whirlpool service company in your area, call our Consumer Assistance Center telephone number (see Step 2) or look in your telephone directory Yellow Pages under:

• **APPLIANCE-HOUSEHOLD-MAJOR, SERVICE & REPAIR**
- See: Whirlpool Appliances or Authorized Whirlpool Service
(Example: XYZ Service Co.)

• **WASHING MACHINES & DRYERS, SERVICE & REPAIR**
- See: Whirlpool Appliances or Authorized Whirlpool Service
(Example: XYZ Service Co.)

4. If you need FSP® replacement parts ...

FSP is a registered trademark of Whirlpool Corporation for quality parts. Look for this symbol of quality whenever you need a replacement part for your Estate® appliance. FSP replacement parts will fit right and work right, because they are made to the same exacting specifications used to build every new Estate appliance.

To locate FSP replacement parts in your area, refer to Step 3 above or call the Whirlpool Consumer Assistance Center number in Step 2.

5. If you are not satisfied with how the problem was solved ...

- Contact the Major Appliance Consumer Action Panel (MACAP). MACAP is a group of independent consumer experts that voices consumer views at the highest levels of the major appliance industry.
- Contact MACAP only when the dealer, authorized servicer and Whirlpool have failed to resolve your problem.
Major Appliance Consumer Action Panel
20 North Wacker Drive
Chicago, IL 60606
- MACAP will in turn inform us of your action.

*** When asking for help or service:**

Please provide a detailed description of the problem, your appliance's complete model and serial numbers and the purchase date. (See page 2.) This information will help us respond properly to your request.

ESTATE[®]

Automatic Washer Warranty

LENGTH OF WARRANTY	WHIRLPOOL WILL PAY FOR
FULL ONE-YEAR WARRANTY From Date of Purchase	FSP [®] replacement parts and repair labor to correct defects in materials or workmanship. Service must be provided by an authorized Whirlpool service company.
LIMITED FIVE-YEAR WARRANTY From Date of Purchase	FSP replacement parts for any part of gearcase assembly if defective in materials or workmanship. FSP replacement parts for top and lid if defective in materials or workmanship.
LIMITED TEN-YEAR WARRANTY From Date of Purchase	FSP replacement of outer tub should it crack, or fail to contain water, due to defective materials or workmanship.
WHIRLPOOL WILL NOT PAY FOR	
<p>A. Service calls to:</p> <ol style="list-style-type: none"> 1. Correct the installation of your washer. 2. Instruct you how to use your washer. 3. Replace house fuses or correct house wiring or plumbing. <p>B. Repairs when your washer is used in other than normal, single-family household use.</p> <p>C. Pickup and delivery. Your washer is designed to be repaired in the home.</p> <p>D. Damage to your washer caused by accident, misuse, fire, flood, acts of God or use of products not approved by Whirlpool.</p> <p>E. Any labor costs during the limited warranties.</p> <p>F. Repairs to parts or systems caused by unauthorized modifications made to the appliance.</p>	

8-02

WHIRLPOOL CORPORATION SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation or exclusion 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.

Outside the United States, a different warranty may apply. For details, please contact your authorized Whirlpool distributor or military exchange.

If you need service, first see the "If You Need Assistance or Service" section of this book. After checking "If You Need Assistance or Service," additional help can be found by calling our Consumer Assistance Center telephone number, **1-800-253-1301**, from anywhere in the U.S.A.



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