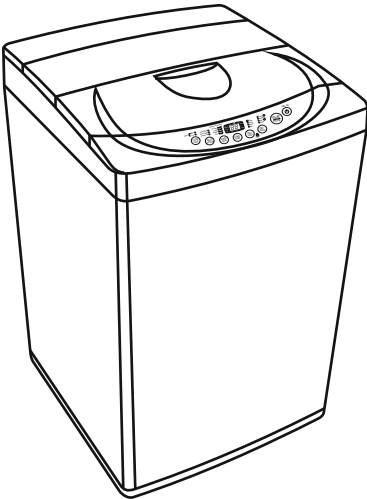


Owner's Manual

Please read this manual carefully and thoroughly before operating this unit.

Record model name and serial number of the set. Quote this information to your dealer when you require service.

MODEL : **T70CBA13P**
T70CSA13P



3828EU3034H

Contents

Read this manual

Inside you will find many helpful hints on how to use and maintain your washer properly. Just a little preventive care on your part can save you a great deal of time and money over the life of your washer. You will find many answers to common problems in the Troubleshooting section. If you review our chart of Troubleshooting Tips first, you may not need to call for service at all.

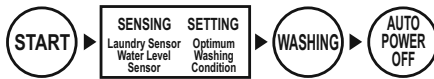
Introduction	Product Features	3
	Safety Information	4
	Identification of Parts	7
Installation	Placing, Leveling and Installation	8
	Connecting Water Supply Hose	9
	Connecting Drain Hose	10
Before Starting to Wash	Preparation Before Washing	11
	Use of Water, Detergent, Bleach and Softener	12
	Water Level and Amount of Detergent	13
	Use of Bleach	13
	Use of Softener	14
	Stain Removal Techniques	15
	Function of each Button	16
Washing Programs	Fuzzy Wash (Normal Wash)	18
	Economy Wash	18
	Jean Wash	18
	Wool Wash	18
	Turbo Wash	18
	Washing Process	20
	Additional Features	Delay Start (Reservation) Wash
Child Lock, Mute		22
Care and Maintenance	Cleaning Inlet Valve Filter	24
	Cleaning Lint Filter	24
	Cleaning and Maintenance	25
	Grounding Method	26
Troubleshooting	Common washing problems	27
	Troubleshooting	28
Specification	Specification	29

Product Features

Washer doesn't operate while the lid is open. If the lid is open during the wash, rinse or spin cycles, the operation stops for safety.

Fuzzy Logic Control

- A built-in load sensor automatically detects and measures the laundry load and a microprocessor optimizes washing conditions such as ideal water level, washing time and optimum detergent quantity indication.
- Advanced technology is built into the Electronic Control System which ensures the best washing result.



Turbo drum washing

- When "Punch + 3" washing wings turn, the washing tub turns in the opposite direction. This makes the both sides current of water which improve washing-performance by rubbing clothes strongly.



3 Step washing

- 3 step washing makes best washing performance with low tangling.



Rubbing



Rubbing and Shaking



Shaking and Disentangling

Auto Restart

- In the event of a power failure, the washing machine will automatically start its cycle from the point of interruption when power is resumed.

Lint Filter

- Lint and loose threads from laundry generated during the washing cycle are caught by the lint filter for a cleaner wash.



Note : Be sure to remove the unit from all packing base, otherwise the machine will not be able to operate properly.

Safety Information

Read carefully and thoroughly through this booklet as it contains important safety information that will protect the user from unexpected dangers and prevent potential damages to the product.

This booklet is divided into 2 parts : Warning and Caution.



: This is a warning sign specifying user's applications which might be dangerous.



: This is a sign specifying 'Strictly Forbidden' applications.



WARNING : Failure to comply with the instructions under this sign may result in major physical injuries or death.



CAUTION : Failure to comply with the instructions under this sign may result in minor physical injuries or damages to the product.

WATER HEATER SAFETY



WARNING

- Under certain conditions hydrogen gas may be produced in a water heater that has not been used for two weeks or more. Hydrogen gas can be explosive under these circumstances. If the HOT water has not been used for two weeks or more, prevent the possibility of damage or injury by turning on all Hot water faucets and allowing them to run for several minutes. Do this before using any electrical appliance which is connected to the HOT water system. This simple procedure will allow any built-up hydrogen gas to escape. Since the gas is flammable, do not smoke or use an open flame or appliance during this process.

PROPER INSTALLATION



CAUTION

- The base opening must not be obstructed by carpeting when the washing machine is installed on a carpeted floor.
- Install or store where it will not be exposed to temperatures below freezing or exposed to the weather. (Rain / Water Splash).
If the product is exposed to such conditions, electric shock, fire, break down or deformation may occur.
- Properly ground washer to conform with all governing codes and ordinances. Follow details in Installation Instructions.
If not grounded properly, break down and leakage of electricity may occur, which may cause electric shock.
- Must be positioned so that the plug is accessible.
If the plug is placed between the wall and the machine, it may get damaged, possibly causing fire or electric shock.
- Make sure the plug is completely pushed into the outlet.
Failure to do so may cause electric shock and fire due to overheating.
- Do not connect ground to a gas pipe.
It can cause explosion.
- Do not connect ground to telephone wires or lightning rods.
This may be dangerous during electrical storms.
- Washer shall be placed in dry areas specifically during rainy season.
Humid conditions may cause rusting which may result in product failure.

Safety Information

YOUR LAUNDRY AREA



WARNING

- **Keep the area underneath and around your appliances free of combustible materials such as lint, paper, rags, chemical, etc.**

Operating with such materials around the machine may trigger explosion or fire.

- **Close supervision is necessary if this appliance is used by or near children. Do not allow children to play on, with, or inside this or any other appliance.**

There is potential danger that children might drown in the tub.



- **Do not touch the power plug with a wet hand.**

It will cause electric shock



- **Do not put your hand, foot or anything under the washing machine while the washing machine is in operation.**

There is a rotating mechanism under the machine, so you could be injured.

WHEN USING THE WASHER



CAUTION

- Use this appliance only for its intended purpose as described in this Owner's Manual.
- The laundry process can reduce the flame retardancy of fabrics. To avoid such a result, carefully follow the garment manufacturer's wash and care instructions.
- To minimize the possibility of electric shock, unplug this appliance from the power supply or disconnect the washer at the household distribution panel by removing the fuse or switching off the circuit breaker before attempting any maintenance or cleaning.

NOTE : **Pressing Power button to turn off does NOT disconnect the appliance from the power supply.**

- **Make sure that drainage is working properly.**

If water is not drained properly, your floor may get flooded.

Flooded floors may induce electricity leakage, further resulting in electric shock or fire.

- **If, during spinning, opening the lid does not stop the tub within about 15 seconds, immediately discontinue operating the machine.**

Call for repair. A machine that spins with its door open may cause injuries.

Never reach into washer while it is moving.



- **Wait until the machine has completely stopped before opening the lid.**

Even slow rotation can cause injury.



Never attempt to operate this appliance if it is damaged, malfunctioning, partially disassembled, or has missing or broken parts, including a damaged cord or plug.

Operating with a damaged plug may cause electric shock.

Do not use water hotter than 60°C.












Use of excessively hot water may cause damage to fabrics or cause leakage of water.



- **Ensure No water logging near or below washer to prevent rusting.**

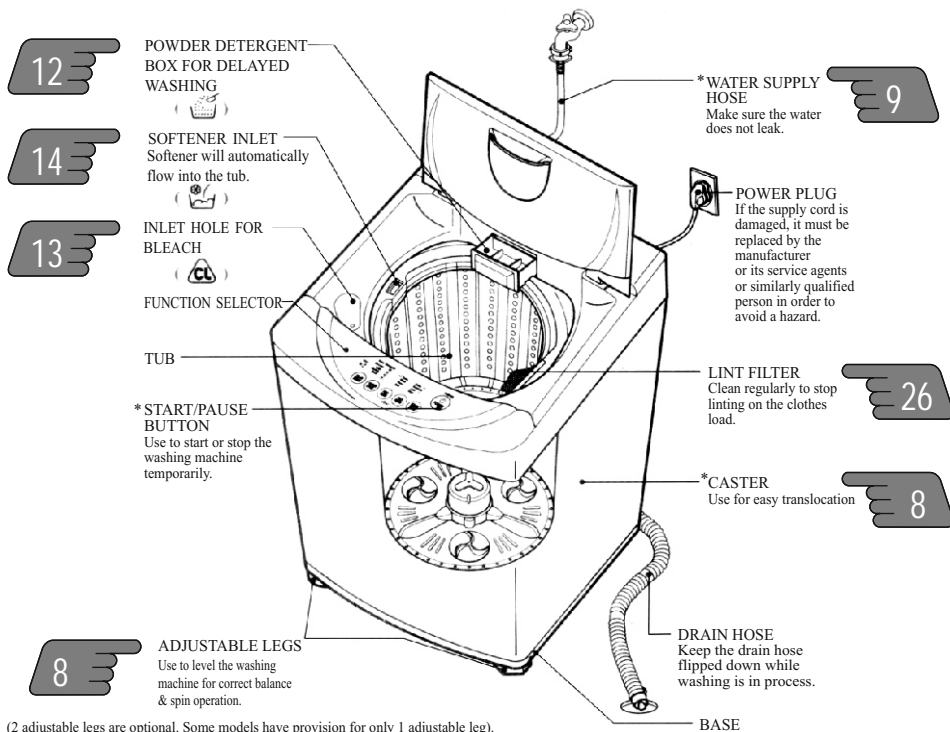
Rusting on certain parts may result in product failure.

Safety Information

WHEN USING THE WASHER	<p> WARNING</p> <ul style="list-style-type: none"> Do not use a plug socket and wiring equipment for more than their rated capacity. Exceeding the limit may lead to electric shock, fire, break down, and/or deformation of parts. Do not mix chlorine bleach with other household chemicals such as toilet cleaners, rust removers, acids (such as vinegar) or product containing ammonia. Mixing different chemicals can produce toxic gases which may cause death. Do not wash or dry articles that have been cleaned in, washed in, soaked in, or spotted with combustible or explosive substances (such as wax, oil, paint, gasoline, dry-cleaning solvents, kerosene, etc). Do not add these substances to the wash water. Do not use or place these substances around your washer or dryer during operation. It may ignite or explode.
WHEN NOT IN USE	<p> CAUTION</p> <ul style="list-style-type: none">• Turn off water faucets to relieve pressure on hoses and valves and to minimize leakage if a break or rupture should occur. Check the condition of the fill hoses; they may need replacement after 5 years.• When the air temperature is high and the water temperature is low, condensation may occur and thus wet the floor.• Wipe off dirt or dust on the contacts of the power plug. Using unclean power plug may cause fire.• Before discarding a washer, or removing it from service, remove the washer lid to prevent children from hiding inside. Children may be trapped and suffocated if the lid is left intact. Do not attempt to repair or replace any part of this appliance unless specifically recommended in this Owner's Manual, or in published user-repair instructions that you understand and have the skills to carry out. Operating the machine with improperly replaced parts may be a cause for fire or electric shock. Do not tamper with controls. It may lead to electric shock, fire, break down, deformation. Do not yank the power cord in an attempt to disconnect the power plug. Securely hold the power plug to unplug the machine. Failure to observe these instructions may cause electric shock or fire due to short-circuit. When you are cleaning the washing machine, do not apply water directly to any part of the washing machine. It will cause short circuit and electric shock.

Identification of Parts

Body



WASHING WINGS

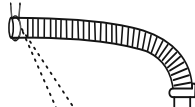
Vertical movement of washing punch can be operated when a sufficient amount of laundry is deposited. Set the proper water level, an excessive amount of water may increase entanglement of laundry.

Accessories

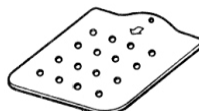
Water supply hoses



Drain hose



Anti-rat cover



Screw

Snap Ring

Note

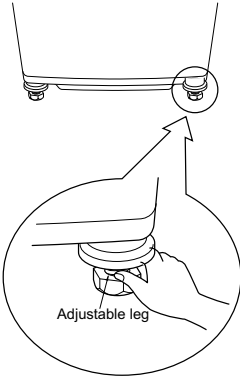
** Parts can be different according to the model.

Placing, Leveling and Installation

Improper installation of the washer may cause noise and malfunctioning.

- Note :** 1. The ventilating openings in the base area must not be obstructed by carpeting when the washing machine is installed on a carpeted floor.
 2. Install the washing machine on a level and firm surface, any tilt should be less than 4°.

How to adjust leveling



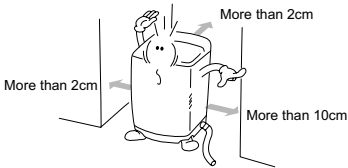
Turn the adjustable legs to set the washer horizontal (Both the front legs).

(2 adjustable legs are optional. Some models have provision for only 1 adjustable leg).

★ Don't add anything under back side legs.

Distance between drain hose and the wall

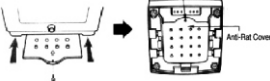
Distance between drain hose and the wall should be more than 10cm, and the distance between the other part or the rear part and the wall should be more than 2 cm.



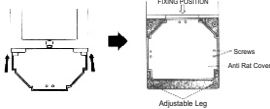
Anti-rat cover installation

Insert the anti rat cover firmly from back side or Front side of washing machine and screw it.

High Base & Middle Base

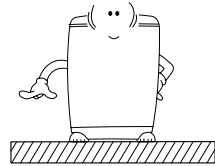


Low Base



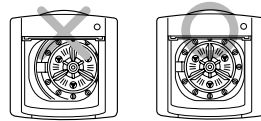
1 Installation area

Install the washer on flat and firm surface.



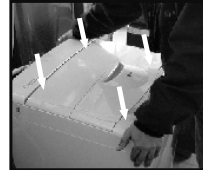
2 Checking level

The Basement is not flat, fill the water just touching the Pulsator and see uniform distribution. If not, adjust the legs as shown in the figure.



Top View

3 Checking Proper placement



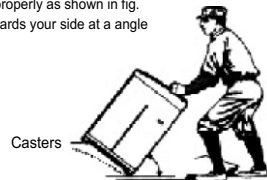
Press the corners of the machine diagonally as shown in the figure, If any movement is observed, adjust the legs for proper leveling.

Moving of the Machine

Casters are provided for easy translocation of your machine

* Grip the machines properly as shown in fig.

* Tilt the machine towards your side at an angle 45° - 55°.



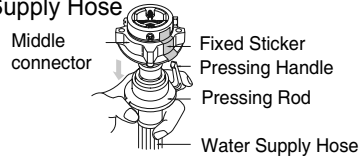
Note : * Be careful that you should not drop the machine.
 * Never move the machine on casters when there is load inside.

C onnecting Water Supply Hose

Normal Type (Normal tap without thread & one touch type inlet hose.)

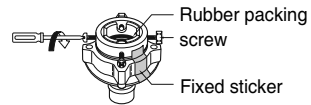
1 Separate Middle connector from Water Supply Hose

Separate Middle connector from the Water Supply Hose by pulling the Pressing Rod and the Pressing Handle that is attached to the Water Supply Hose.



2 Loosen the fixed nuts to connect the connector to the tap

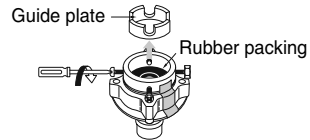
Untighten the screw of the connector so that the tap can be placed in the middle.



NOTE

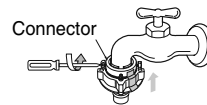
In case tap is too large.

If the tap diameter is too large or is square, untighten the 4 screws and remove the guide plate. Then follow step 1.



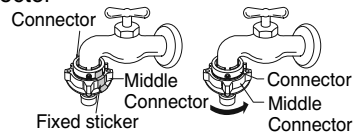
3 Fixing Connectors to the Tap

Push the upper connector up till the rubber packing is in tight contact with the tap. Then tighten the 4 screws.



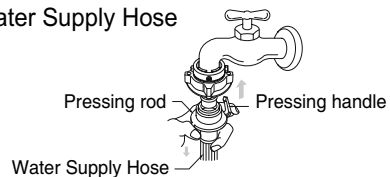
4 Fixing Upper Connector and Middle Connector

Remove the fixed sticker in between the Upper and Middle Connectors. Tighten the connectors by holding one connector and twist middle connector to the right.



5 Connecting Middle Connector and Water Supply Hose

Press down the pressing rod of the Water Supply Hose which was separated from middle connector (refer to Step 1) and then join it to the middle connector.



6 Check for water leakage

After connecting the hose, open the tap to check for any water leakage.

If the connection leaks, close the tap and start again from step 1.

If you skip step 1, water leakage may occur.

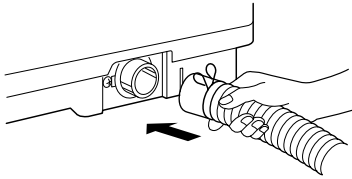


Connecting Drain Hose

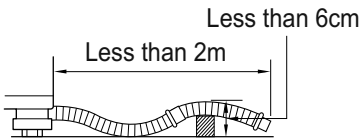
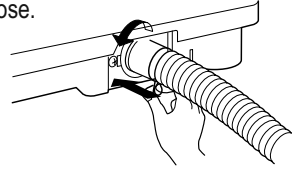
Before connecting Drain Hose, check your Drain Hose model and choose the correct instructions.

§ How to connect the drain hose

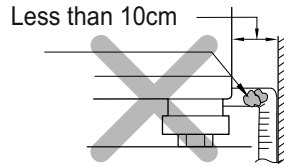
- 1 Insert the drain hose to the connecting area at the body.



- 2 1. Press the hose clip.
2. While pressing, push the hose towards the body.
3. Release the hose clip after pushing the hose.

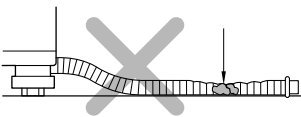


The hose is placed over a doorsill.

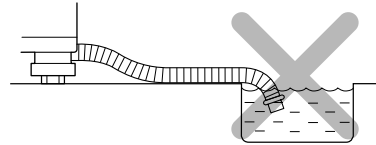


Make sure that the hose is not crushed between the wall and the washer.

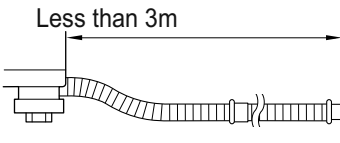
The hose is clogged by alien substances.



Make sure that the hose is not crushed.



Avoid submerging the end of hose.



Extension hose is used.

Preparation Before Washing

Care Labels

* Look for care label on your clothes. This will tell you about the fabric content of your garment and how it should be washed.

Sort clothes into loads that can be washed with the same wash cycle, Water Temperature and spin speed.



Sorting

To get the best results, different fabrics need to be washed in different ways.

- **SOIL** (Heavy, Normal, Light) Separate clothes according to the type and amount of soil.
- **COLOR** (Whites, Lights, Darks) Separate white fabrics from colored fabrics.
- **LINT** (Lint Producers, Collectors) Separate lint producers and lint collectors.



Lint Producers
Lint Collectors

Terry cloth, Chenille Towels, Nappies, Diapers
Synthetics, Corduroy, Permanent Press, Socks

Check before Loading

- **Check all pockets to make sure that they are empty.** Things such as nails, hairclips, matches, pens, coins, and keys can damage both your washer and your clothes.
- **Mend any torn garments or loose buttons.** Tears or holes may become larger during washing.
- Remove belts, underwires, etc. to prevent damage to the machine or your clothes.
- **Pretreat any dirt and stains.**
- Make sure the clothes are washable in water.
- Check the washing instructions.
- Remove tissue in pockets.



Pretreatment on stains or heavy soil

- Pretreat shirt collars and cuffs with a pre-wash product or liquid Detergent when placing them in the washer. Before washing treat special stains with bar soaps, liquid Detergent or a paste of water and granular Detergent.
 - Use a pretreat soil and stain remover.
- Treat stains AS SOON AS POSSIBLE. The longer they are left the harder they are to remove.

(For more detail refer to page 15)

Loading

Do not wash fabrics containing flammable materials (waxes, cleaning fluids, etc.).

Load Size

The WATER LEVEL should just cover the clothes. Adjust the load size accordingly. Loosely load clothes not higher than the top row of holes in the washer tub. To add items after washer has started, press Start button and submerge additional items. Close the lid and press Start button again to restart.

Light and Large-sized clothing

Clothes like downs and woollens are light weight, large and float easily. Use a nylon net and wash them in a small amount of water. If the laundry floats during the wash cycle, it may become damaged. Use dissolved Detergent to prevent the Detergent from clumping.



Long laundry items

Use nylon nets for long, DELICATE items. For laundry with long strings or long length, a net will prevent tangling during washing. **Fasten zippers, hook, and strings** to make sure that these items don't snag on other clothes.

* Nylon net is not supplied by LG.



Use of Water, Detergent, Bleach and Softener

1 Deposit laundry and press the START/ PAUSE button.

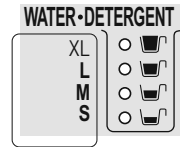


2 Without water, the pulsator turns to the left and right for about 4 seconds to sense the amount of laundry.



- If either the inner-tub contains water or the laundry is wet, water level may be different from the initial set level. (It is not malfunctioning. It is the proper water setting for laundry.)
- Bulky and light laundry may cause a water level lower than usual. In this case, manually adjust the water level.

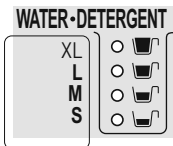
3 A proper water level and the amount of detergent is displayed.



★ If you feel the water level is not as per your choice you can change the water level manually.

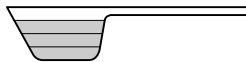
Usage of Detergent

- The following indication of the amount of detergent is based on a concentrated detergent. (1 detergent cup: around 40g)



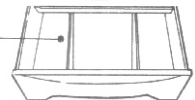
In case of small water level: concentrated detergent (1/2 cup).

- Regular (high-density) detergent uses 1.5 times as much as the indicated amount.



Powder Detergent Box ()

Where you deposit the detergent



Note : Follow detergent manufacturer's instructions for quantity of detergent.

★ Use only powder detergent.

Use of Water, Detergent, Bleach and Softener

Water Level and Amount of Detergent

- Concentrated detergent: 20g per 30 liters of water.
- Regular synthetic detergent: 30g per 30 liters of water.
- When sensing water levels automatically, the amount of detergent can differ according to the amount of laundry even at the same water level.
- For synthetic detergent, use one that generates less bubbles. This type of detergent is specially designed for washers.
- In case of using liquid detergent, dissolve it with water (detergent: water=1:1) and deposit it through the bleach deposit hole

Water Level	Amount of Water	Amount of laundry	Amount of Detergent	
			Concentrated	Regular synthetic
XL	61 ℓ	Less than*	About 41g	About 61g
L	39 ℓ	Less than 3.5kg	About 26g	About 39g
M	30 ℓ	Less than 2.0kg	About 20g	About 30g
S	29 ℓ	Less than 1.0kg	About 19g	About 29g

*Rated Capacity of Model

Note : To check you are using the correct amount of Detergent, lift the lid of your machine about half-way through the wash. There should be a thin layer of foam over the surface of the water. Lots of foam may look good, but it does not contribute to cleaning your clothes. No foam means not enough Detergent has been used; soil and lint can settle back on the clothes or the washing machine. If excess Detergent is used, the rinse will not be as clean and efficient. Also, it could cause environmental pollution, so use it accordingly.

Adding the detergent

Open the detergent dispenser and deposit the appropriate amount of detergent where you deposit the detergent Powder Detergent dispenser.

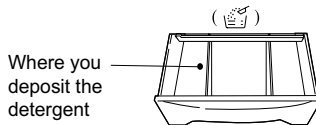
Some detergents MUST be fully dissolved before adding to your machine to get the best wash results.

Check the instructions on the detergent packet.

If you use powdered detergent it is essential that the required amount be fully dissolved in very hot water before being added to warm or hot water for the actual wash.

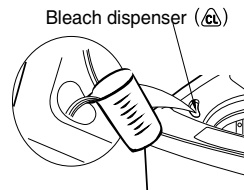
Pre-dissolving detergent in warm water when washing in cold water can improve its performance.

Powder Detergent Box



Using Liquid Bleach

- Check clothing care label for special instructions and separate the laundry to be bleached
- Dilute liquid chlorine bleach.
- Measure the recommended amount of liquid bleach carefully following instructions on the bottle.
- Before starting the washer, pour measured amount of bleach directly into bleach dispenser. Avoid splashing or overfilling. Powdered bleach should be mixed with water before pouring.





NOTE

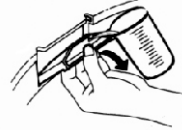
- Never pour undiluted liquid bleach directly onto clothes or into the wash basket. This may cause change of color or damage the laundry.
- Do not pour powdered bleach into bleach dispenser.

Use of Water, Detergent, Bleach and Softener

Using Fabric Softener

- Dilute fabric softener with water. Undiluted fabric softener may result in spots that look like oil stains.
- Measure and add the recommended amount of fabric softener into the compartment marked with this symbol (). Follow manufacturer's direction.  Fabric softener is automatically dispensed in the final rinse.

Softener dispenser ()



Do not overfill. The dispenser holds a maximum of 35ml. Never add more than 35ml. Overfilling can cause early dispensing of the fabric softener which could result in stained clothes. A cup with a pouring spout will help you avoid spilling.

- The effect of adding fabric softener may vary according to its viscosity. The stickier fabric softener makes its effect the lower. For a sticky fabric softener it is recommended that it be diluted with water, then be manually put during the time when the washer beeps several times before the final rinse. This function informing correct time to dispense manually is optionally applied to some models. Please keep it in mind that fabric softener has to be diluted with water before dispensed and never poured directly on clothes.

Attention

- Do not mix with detergent or bleach.
- Never pour fabric softener directly on clothes. It may stain them.
- Do not stop the washer during the first spin for timely dispensing.
- Option washing is not designed to be used with fabric softener dispenser.

Scrud(Waxy Build up)

Scrud is the name given to the waxy build-up that can occur within any washer when the fabric softener comes into contact with detergent. This build-up is not brought about by a fault in the machine.

If scrud is allowed to build-up in the machine it can result in stains on your clothes or an unpleasant smell in your washer.

If you wish to use fabric softener we recommend

- Using fabric softener sparingly.
- When filling the dispenser, do not splash or overfill.
- Clean dispenser as soon as the cycle is finished.
- Clean your machine regularly.
- Cold water washing increases the chance of this build-up occurring. We recommend a regular warm or hot wash e.g. every 5th wash should be at least a warm one.
- Fabric softener of thinner consistency is less likely to leave residue on the dispenser and contribute to a build-up.

Special Guide for Stain Removal

For successful stain removal:

- Remove stains promptly.
- Determine the kind of stain, then follow the recommended treatment in the stain removal chart below.
- To pretreat stains, use a prewash product, liquid Detergent, or a paste made from granular Detergent and water.
- Use COLD water on unknown stains because HOT water can set stains.
- Check care label instructions for treatments to avoid on specific fabrics.
- Check for colorfastness by testing stain remover on an inside seam.
- Rinse and wash items after stain removal.



Follow fabric care label instructions

Stain Removal	
STAIN	TREATMENT
Adhesive tape, chewing gum, rubber cement	Apply ice. Scrape off excess. Place stain face down on paper towels. Saturate with prewash stain remover or nonflammable dry cleaning fluid.
Baby formula, dairy products, egg	Use product containing enzymes to pretreat or soak stains.
Beverages (coffee, tea, soda, juice, alcoholic beverages)	Pretreat stain. Wash using COLD water and bleach safe for fabric.
Blood	Rinse with COLD water. Rub with bar soap. Or pretreat or soak with product containing enzymes. Wash using bleach safe for fabric.
Candle wax, crayon	Scrape off surface wax. Place stain face down between paper towels. Press with warm iron until wax is absorbed. Replace paper towels frequently. Treat remaining stain with prewash stain remover or nonflammable dry cleaning fluid. Hand wash to remove solvent. Wash using bleach safe for fabric.
Chocolate	Pretreat or soak in WARM water using product containing enzymes. Wash using bleach safe for fabric.
Collar or cuff soil, cosmetics	Pretreat with prewash stain remover or rub with bar soap.
Dye transfer on white fabric	Use packaged color remover. Wash using bleach safe for fabric.
Grass	Pretreat or soak in WARM water using product containing enzymes. Wash using bleach safe for fabric.
Grease, oil, tar (butter, fats, salad dressing, cooking oils, car grease, motor oils)	Scrape residue from fabric. Pretreat. Wash using hottest water safe for fabric. For heavy stains and tar, apply nonflammable dry cleaning fluid to back of stain. Replace towels under stain frequently. Rinse thoroughly. Wash using hottest water safe for fabric.
Ink	Some inks may be impossible to remove. Washing may set some inks. Use prewash stain remover, denatured alcohol or nonflammable dry cleaning fluid.
Mildew, scorch	Wash with chlorine bleach if safe for fabric. Or, soak in oxygen bleach and HOT water before washing. Badly mildewed fabrics may be Permanently damaged.
Mud	Brush off dry mud. Pretreat or soak with product containing enzymes.
Mustard, tomato	Pretreat with prewash stain remover. Wash using bleach safe for fabric.
Nail polish	May be impossible to remove. Place stain face down on paper towels. Apply nail polish remover to back of stain. Repeat, replacing paper towels frequently. Do not use on acetate fabrics.
Paint, varnish	WATER BASED : Rinse fabric in cool water while stain is wet. Wash. Once paint is dry, it cannot be removed. OIL BASED & VARNISH : Use solvent recommended on can label. Rinse thoroughly before washing.
Rust, brown or yellow discoloration	For spots, use rust remover safe for fabric. For discoloration of an entire load, use phosphate Detergent and nonchlorine bleach. Do not use chlorine bleach because it may intensify discoloration.
Shoe polish	LIQUID : Pretreat with a paste of granular Detergent and water. PASTE : Scrape residue from fabric. Pretreat with prewash stain remover or nonflammable dry cleaning fluid. Rub Detergent into dampened area, Wash using bleach safe for fabric.

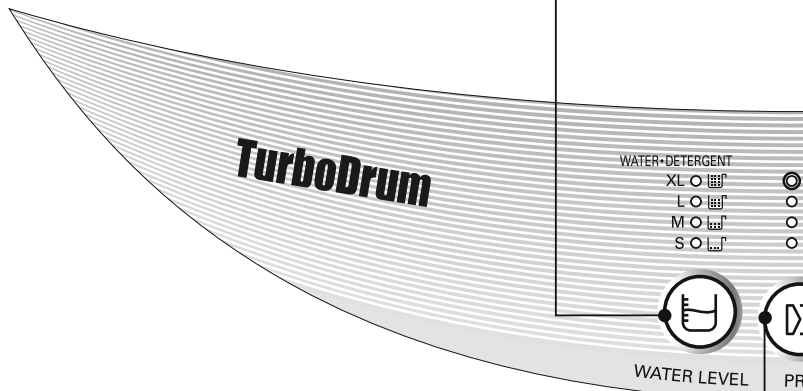
F

unction of each Button

Applicable for : T70CBA13P, T70CSA13P

Water level button (indication of detergent amount)

- Use to adjust the water level as required. The appropriate amount of detergent is shown next to the water level in the WATER-DETERGENT diagram
- The following setting are indicated as the button is pushed L → XL → S → M → L

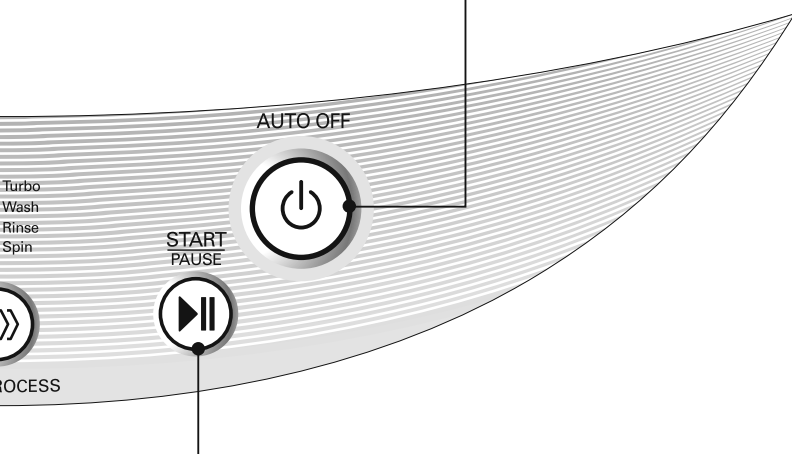


Process button

- Use to select TURBO, WASH, RINSE and SPIN functions as desired.

AUTO OFF (Power) button

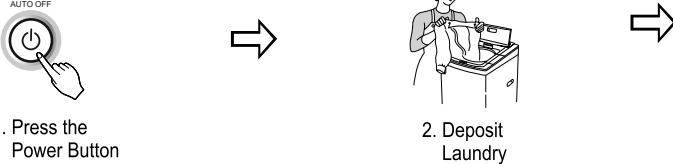
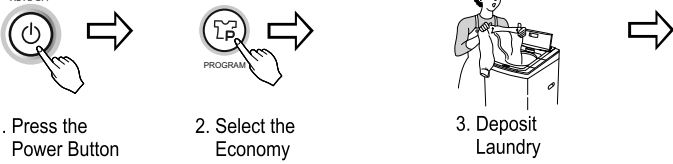
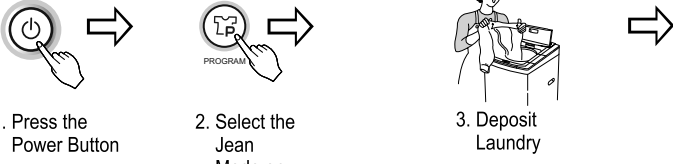
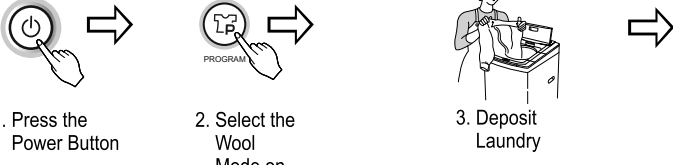
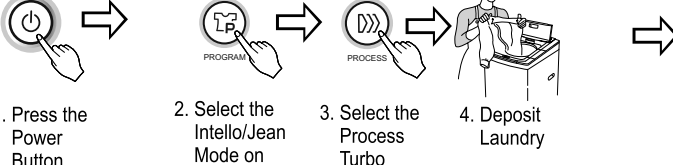
- Use to turn the power on or off.
- Push again and power goes on or off.
- The power goes off automatically about 10 seconds after the process is finished.




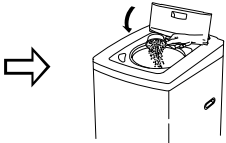


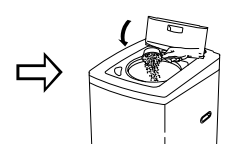


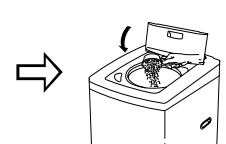


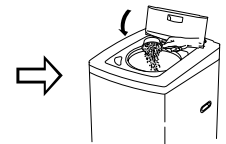


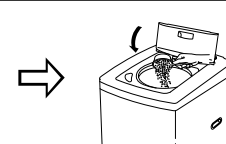

Start/Pause button

- Use to start or pause the washing process.
- Repeat start and pause by pushing the button.
- The power goes off automatically 10 minutes after stopping.
 - * This appliance is fitted with a safety function that automatically stops the operation of the washing machine when it is exposed to heavy disturbance on the mains.

Washing programs

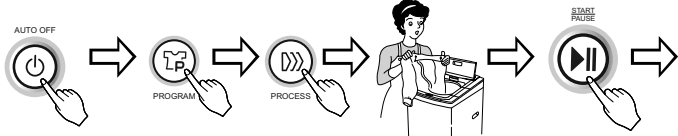

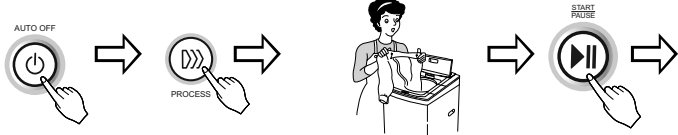

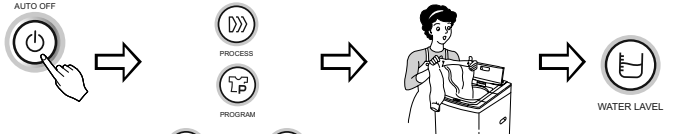
Program	Program Selection
<p>Fuzzy (This program selects automatically the water level, detergent quantity and washing time according to the load of laundry).</p>	 <ol style="list-style-type: none"> 1. Press the Power Button 2. Deposit Laundry
<p>Economy (Use this Program for lightly soiled laundry).</p> <ul style="list-style-type: none"> <input type="radio"/> Fuzzy <input checked="" type="radio"/> Economy <input type="radio"/> Jean <input type="radio"/> Wool 	 <ol style="list-style-type: none"> 1. Press the Power Button 2. Select the Economy Mode on Control Panel 3. Deposit Laundry
<p>Jean (Use this Program for extremely dirty laundry).</p> <ul style="list-style-type: none"> <input type="radio"/> Fuzzy <input type="radio"/> Economy <input checked="" type="radio"/> Jean <input type="radio"/> Wool 	 <ol style="list-style-type: none"> 1. Press the Power Button 2. Select the Jean Mode on Control Panel 3. Deposit Laundry
<p>Wool (Use this Program for delicate fabrics).</p> <ul style="list-style-type: none"> <input type="radio"/> Fuzzy <input type="radio"/> Economy <input type="radio"/> Jean <input checked="" type="radio"/> Wool 	 <ol style="list-style-type: none"> 1. Press the Power Button 2. Select the Wool Mode on Control Panel 3. Deposit Laundry
<p>Turbo (Use this Program for Normal clothes/ Heavy clothes which are excessively dirty).</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> Turbo <input type="radio"/> Wash <input type="radio"/> Rinse <input type="radio"/> Spin 	 <ol style="list-style-type: none"> 1. Press the Power Button 2. Select the Intello/Jean Mode on Control Panel 3. Select the Process Turbo 4. Deposit Laundry

Note : Deposit detergent

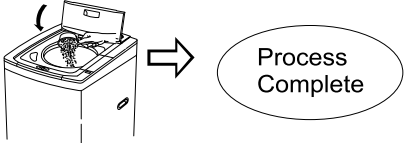


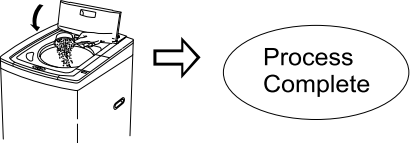
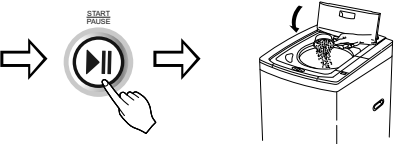
	Load	Preferred Type of Clothes
 <p>3. Press the Start/Pause Button</p>  <p>4. Deposit Detergent & Close the lid</p> 	Maximum according to the model	Regular clothes, (Bed Sheets, towels, T-Shirts, Shirts & Trousers)
 <p>4. Press the Start/Pause Button</p>  <p>5. Deposit Detergent & Close the lid</p> 	Max. 2 Kg	Cotton, Polyester Regular use dirty clothes
 <p>4. Press the Start/Pause Button</p>  <p>5. Deposit Detergent & Close the lid</p> 	Maximum according to the model	Jeans, Heavy, Thick Clothes, Out fits
 <p>4. Press the Start/Pause Button</p>  <p>5. Deposit Detergent & Close the lid</p> 	Max. 2 Kg	Woolen, Synthetic, Nylon & Silk
 <p>5. Press the Start/Pause Button</p>  <p>6. Deposit Detergent & Close the lid</p> 	Maximum according to the model	Excessive dirty Normal Clothes, Heavy Clothes, like Cotton & Polyester

in Detergent Box only.

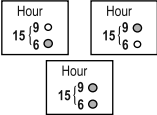
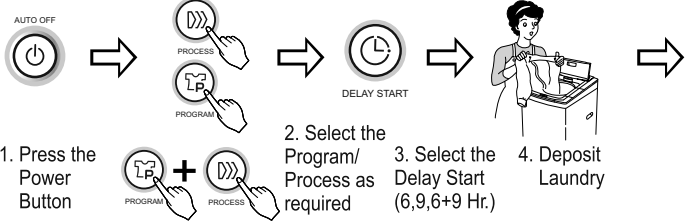
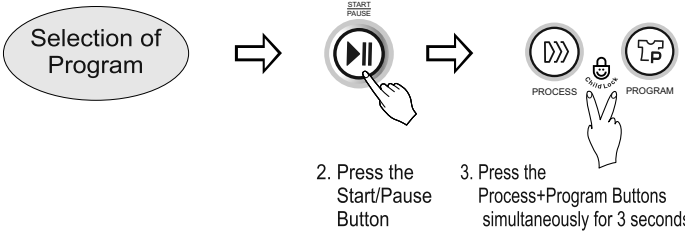
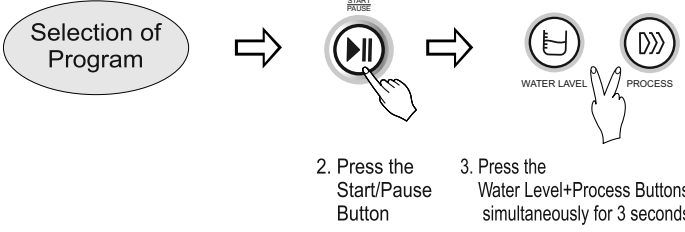
Washing Process

Process	Process Selection												
<p>Wash (Use this Process for only washing)</p> <ul style="list-style-type: none"> <input type="radio"/> Turbo <input checked="" type="radio"/> Wash <input type="radio"/> Rinse <input type="radio"/> Spin 	 <ol style="list-style-type: none"> 1. Press the Power Button 2. Select the suitable Mode on Control Panel 3. Select the Process Wash 4. Deposit Laundry 5. Press the Start/Pause Button 												
<p>Rinse (Use this Process for only rinsing).</p> <ul style="list-style-type: none"> <input type="radio"/> Turbo <input type="radio"/> Wash <input checked="" type="radio"/> Rinse <input type="radio"/> Spin 	 <ol style="list-style-type: none"> 1. Press the Power Button 2. Select the Process Rinse 3. Deposit Wet/Dry Laundry 4. Press the Start/Pause Button 												
<p>Spin (Use this Process for only spin).</p> <ul style="list-style-type: none"> <input type="radio"/> Turbo <input type="radio"/> Wash <input type="radio"/> Rinse <input checked="" type="radio"/> Spin 	 <ol style="list-style-type: none"> 1. Press the Power Button 2. Select the Process Spin 3. Deposit only Wet Laundry 4. Press the Start/Pause Button 												
<p>Process Combination</p> <ul style="list-style-type: none"> <input type="radio"/> Turbo <input type="radio"/> Wash <input checked="" type="radio"/> Rinse <input checked="" type="radio"/> Spin <input type="radio"/> Turbo <input checked="" type="radio"/> Wash <input checked="" type="radio"/> Rinse <input type="radio"/> Spin 	 <ol style="list-style-type: none"> 1. Press the Power Button 2. Select the Process Rinse+Spin Wash+Rinse 3. Deposit Wet / Dry Laundry 4. Press the Start/Pause Button 												
<p>Selection of Water Level</p> <p>WATER DETERGENT</p> <table border="0"> <tr> <td>XL</td> <td><input checked="" type="radio"/></td> <td></td> </tr> <tr> <td>L</td> <td><input type="radio"/></td> <td></td> </tr> <tr> <td>M</td> <td><input type="radio"/></td> <td></td> </tr> <tr> <td>S</td> <td><input type="radio"/></td> <td></td> </tr> </table>	XL	<input checked="" type="radio"/>		L	<input type="radio"/>		M	<input type="radio"/>		S	<input type="radio"/>		 <ol style="list-style-type: none"> 1. Press the Power Button 2. Select the Program/Process as required 3. Deposit Wet / Dry Laundry
XL	<input checked="" type="radio"/>												
L	<input type="radio"/>												
M	<input type="radio"/>												
S	<input type="radio"/>												



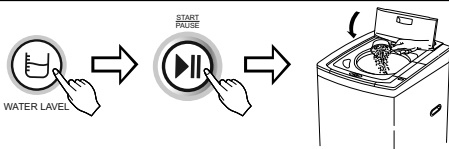
	Load	Preferred Type of Clothes
 <p>6. Deposit Detergent & Close the lid</p>	According to Program	Clothes Selection according to Type of Program <i>* Machine will not drain out the water after completion of cycle.</i>
	Maximum according to the model	
	Maximum according to the model	
 <p>5. Deposit Detergent & Close the lid</p>	Maximum according to the model	
 <p>4. Press the Start/Pause Button</p> <p>5. Deposit Detergent & Close the lid</p>	According to Program	Clothes Selection according to Type of Program

Function Options

Function	Selection
<p>Delay Start (Use this Function for Delaying the Program).</p> 	 <ol style="list-style-type: none"> 1. Press the Power Button 2. Select the Program/ Process as required 3. Select the Delay Start (6,9,6+9 Hr.) 4. Deposit Laundry
<p>Child Lock (Use this function to prevent the modification of settings by children)</p>	 <ol style="list-style-type: none"> 1. Selection of Program 2. Press the Start/Pause Button 3. Press the Process+Program Buttons simultaneously for 3 seconds.
<p>Mute (Use this function for removing Buzzer sound at the time of end of operation).</p>	 <ol style="list-style-type: none"> 1. Selection of Program 2. Press the Start/Pause Button 3. Press the Water Level+Process Buttons simultaneously for 3 seconds.

Instructions :

1. If the Lid is open, the machine will not work and the Buzzer will give alarm to remind you for proper closing of Lid.
2. Electrical Power automatically turns off after 10 sec. After washing cycle finishes with buzzer sound.
3. If inner tub contains the water or laundry is wet, water level may become higher. Manually adjust proper water level before operating the washer.
4. Before selection of program once check the washing instruction in care labels.
5. Don't wash white clothes, bright colored clothes or dark colored clothes which can be easily discolored together.



5. Select the Water Level according to laundry load

6. Press the Start/Pause Button

7. Deposit Detergent & Close the lid

Machine will start automatically so as to end at the set Delay Time.
eg. if a Delay Time of 9 hours is selected the machine will finish the cycle after 9 hours.

Unlock

Again press Process and Program Buttons simultaneously for 3 seconds.

Note

At the time of Child Lock all Process lights blink.

Buzzer Sound

Again Press Water Level and Process Buttons simultaneously.

6. Don't select small water levels. Laundry may get damaged for large loads.
7. Don't wash clothes containing flammable materials. (Waxes, cleaning fluids, etc.)
8. Separate the clothes before washing according to type of fabrics, Soil (Heavy, Normal, Light), Colors, Lint collectors (Synthetics, Corduroy, Permanent Press & Socks, Lint Producers (Towels, Terry Cloth, Chenille, Nappies, Diapers).
9. Use Nylon nets for long delicate items. (Nylon net not supplied by LG with Washing Machine)
10. Use proper kind of detergent according to the laundry.

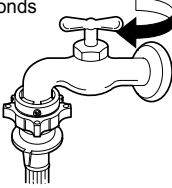
Cleaning and Maintenance

When the water supply is bad, check substances like stone or sand in the filter.
If the filter is clogged with dirt, water cannot flow into the washer. Clean the filter regularly.

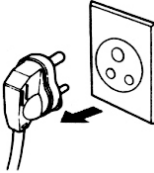
Cleaning the filter in the inlet valve

Before cleaning the filter in the inlet valve, completely remove the water remaining in the water hose.

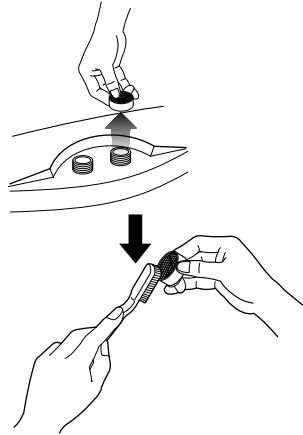
- 1 ● Turn off the water tap and put on the power switch.
● Select cold & hot water and press START/PAUSE button. Let the washer operate for 5 seconds



- 2 Switch off the washer and disconnect the power cord.



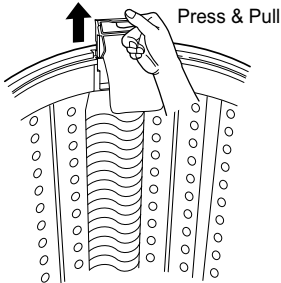
- 3 Disconnect water hose, and remove filter from the inlet valve by hand or with tools. Remove dirt with a tooth brush and clean in water.



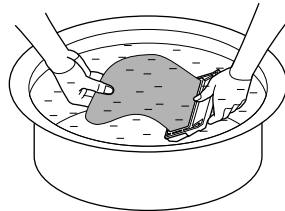
- Then insert it back into the water inlet.

Cleaning the lint filter

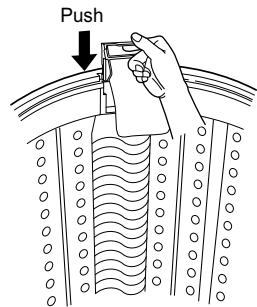
- 1 Press and then pull forward the lint filter from the washing tub to the arrow direction.



- 2 Turn inside out and wash it to remove dirt.



- 3 Insert it back into same place and push until click sound heard.

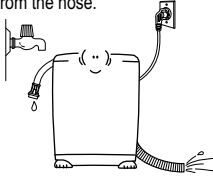


- When the lint filter is worn out, etc., contact a LG Service Center for a new one.

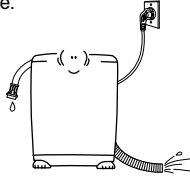
Cleaning and Maintenance

To prevent freezing in winter

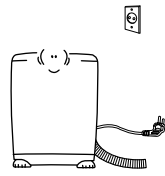
1 Close water tap and remove the water hose. Direct the hose toward the bottom and completely remove water from the hose.



2 Press the SPIN button and let it spin for 1 min. to remove water from the tub and drain hose.

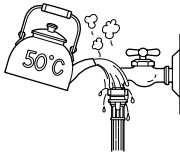


3 Unplug the power cord.

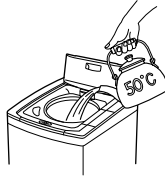


When frozen

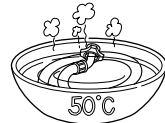
1 Pour 50°C of hot water on the water tap and remove the water hose.



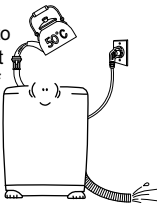
2 Pour 50°C of hot water inside the tub and leave it for 10 min.



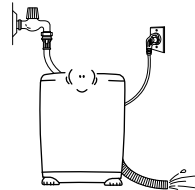
3 Submerge the separated hose in 50°C of hot water



4 Connect the water hose to the washer and then start the washer. Pour 50°C of hot water into the water hose.



5 Connect the water hose to the water tap and check if water is draining.



Note : ■ Stainless steel inner tub won't be rusted.

However, external rust may cling to it in the following causes:

- Metal product (like hairpin, etc.) that can be rusted is left inside the tub for a long time.
- Water with a lot of iron substance is used for a long time.
- Water or chlorine type bleach is left inside the tub for a long time.

■ If rust is found, soak sponge or soft cloth with cleaner (neutral cleaner) and wipe the rust. (Never use metal sponge)



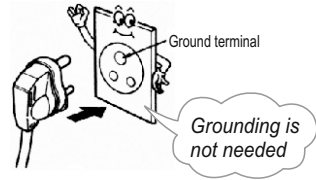
Grounding Method

Earth wire should be connected.

If the earth wire is not connected, there is possible a danger of electric shock caused by the current leakage .

Grounding Method with Ground insert space Terminal

If the AC current outlet has a ground terminal, then separate grounding is not required.



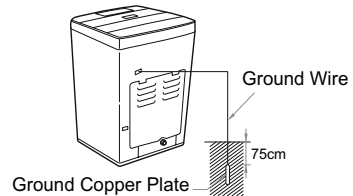
Concerning the Power Cord

Most appliances recommend they be placed upon a dedicated circuit; that is, a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits. Check the specification page of this owner's manual to be certain. Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the cord of your appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, and have the cord replaced with an exact replacement part by an authorized servicer. Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the appliance.

Other Grounding Method

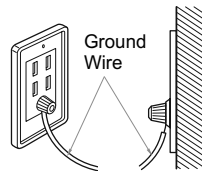
Burying Copper Plate

Connect the Ground Wire to a Ground Copper Plate and bury it more than 75cm in the ground.



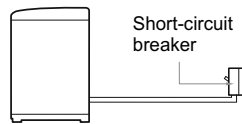
Using Ground Wire

Connect the ground Wire to the socket provided exclusively for Grounding.



Using a Short Circuit Breaker

If grounding methods described above are not possible, a separate circuit breaker should be employed and installed by a qualified electrician



C

ommon washing problems


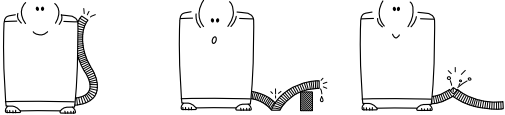

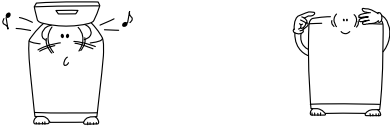
Many washing problems involve poor soil & stain removal, residues of lint and scum, and fabric damage. For satisfactory washing results, follow these instructions.

WASH PROBLEM

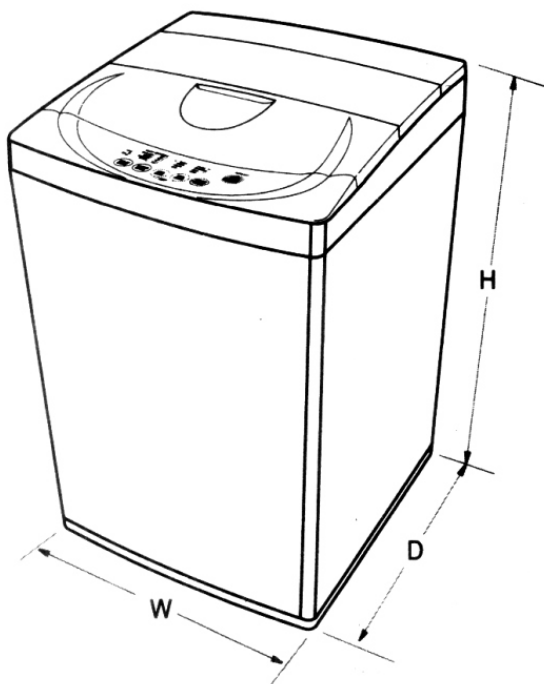
Problems	Possible Causes	Solutions & Preventive Measures
Poor soil removal	<ul style="list-style-type: none"> • Not enough detergent • Wash water temperature too low. • Overloading the washer • Incorrect wash cycle • Incorrect sorting • Do not pretreat stain 	<ul style="list-style-type: none"> • Use correct amount of detergent for load size, amount of soil and water hardness. • Reduce load size. • Wash with Jean or Speedy Soak & Jean cycle for heavy soiled laundry. • Separate heavily soiled items from lightly soiled ones. • Pretreat stain and heavy soil according to directions shown on page 15.
Blue Stains	<ul style="list-style-type: none"> • Undiluted fabric softener dispensed directly onto fabric 	<ul style="list-style-type: none"> • Rub the stain with bar soap. Wash. • Do not overflow fabric softener dispenser and do not pour liquid fabric softener directly onto fabric. See page 14 for more instructions.
Black or gray marks on clothes	<ul style="list-style-type: none"> • A buildup caused by the interaction of fabric softener and detergent can flake off and mark clothes • Not enough detergent 	<ul style="list-style-type: none"> • Keep the recommendations against Scrud (waxy buildup). (refer to scrud page 14.) • Use correct amount of detergent for load size, amount of soil and water hardness.
Yellow or brown rust stains	<ul style="list-style-type: none"> • Iron or manganese in water supply, water pipes, or water heater 	<ul style="list-style-type: none"> • To restore discolored load of whites, use rust remover safe for fabric. • Install nonprecipitating water softener or an iron filter in your water supply system for an ongoing problem. • Before washing, run water for a few minutes to clear lines.
Lint	<ul style="list-style-type: none"> • Incorrect sorting • Tissues left in pocket • Overloading the washer 	<ul style="list-style-type: none"> • Wash lint givers eg towels, flannelette sheets, separately from lint collectors eg synthetic fabrics and remove tissues in pockets before wash. See page 11 for sorting and caring before loading. • Do not overload the washer.
Residue or detergent	<ul style="list-style-type: none"> • Overloading the washer • Undissolved detergent • Use too much detergent 	<ul style="list-style-type: none"> • Do not overload the washer. • Some detergents need to be pre-dissolved, check the detergent instructions. Try pre-dissolving the detergent. • Increase water temperature using hot water safe for fabric. • Use proper amount of detergent.
Holes, tears, or snags	<ul style="list-style-type: none"> • Incorrect use of chlorine bleach. • Unfastened zippers, hooks, buckles • Ribs, tears and broken threads • Overloading the washer • Degradation of fabric 	<ul style="list-style-type: none"> • Never pour chlorine bleach directly on fabric. See page 13 for adding liquid bleach. • Fasten zippers, hooks, and buckles. • Remove objects in pockets. See page 11 for caring before loading. • Do not overload the washer.

Troubleshooting

If a abnormal symbol appears in the display window, check the following before calling Customer Service Centre.

	SYMPTOM	ITEM TO BE CHECKED
<ul style="list-style-type: none"> ☉ Turbo ☀ Wash ☀ Rinse ● Spin 	<p>Abnormal water supply</p> <p>(At this time, the lamps of [WASH], [RINSE] blink.)</p>	 <p>Is the water tap closed? Is the water tap frozen? Is the water supply discontinued?</p> <p>Is the water pressure lowered or the filter clogged? Is hot water selected when only a cold water hose is connected to the cold valve?(In this case, select cold water.)</p>
<ul style="list-style-type: none"> ☉ Turbo ● Wash ☀ Rinse ☀ Spin 	<p>Abnormal drainage</p> <p>(At this time, the lamps of [RINSE], [SPIN] blink.)</p>	 <p>Is the drain hose lowered? Is the drain hose bent? Is the doorsill too high? Is the drain hose frozen or choked?</p>
<ul style="list-style-type: none"> ☉ Turbo ☀ Wash ☀ Rinse ☀ Spin 	<p>Abnormal spin</p> <p>(At this time, the lamps of [WASH], [RINSE], [SPIN] blink.)</p>	 <p>Is the laundry gathered to one side? Is the washer tilted?</p>
<ul style="list-style-type: none"> ☉ Turbo ☀ Wash ● Rinse ☀ Spin 	<p>Opened lid</p> <p>(At this time, buzzer sounds without lamp indication)</p>	 <p>Is the lid closed? If the lid is open, alarm is generated and rinse and spin cannot be proceeded. Is the lid closed after setting delayed washing? If the lid is opened, delayed washing cannot be proceeded.</p>

Specifications



Model	(a) T70CBA13P / T70CSA13P
Size	(a) 540(W)x540(D)x815(H)
Water tap pressure	30 -800 kPa (0.3 -8 kgf /cm ²)
Weight	(a) 30 kg

* In our continuing effort to improve the quality of our appliances, it may be necessary to make changes to the appliance without revising this manual.



P/No.: 3828EU3034H



3828EU3034H