



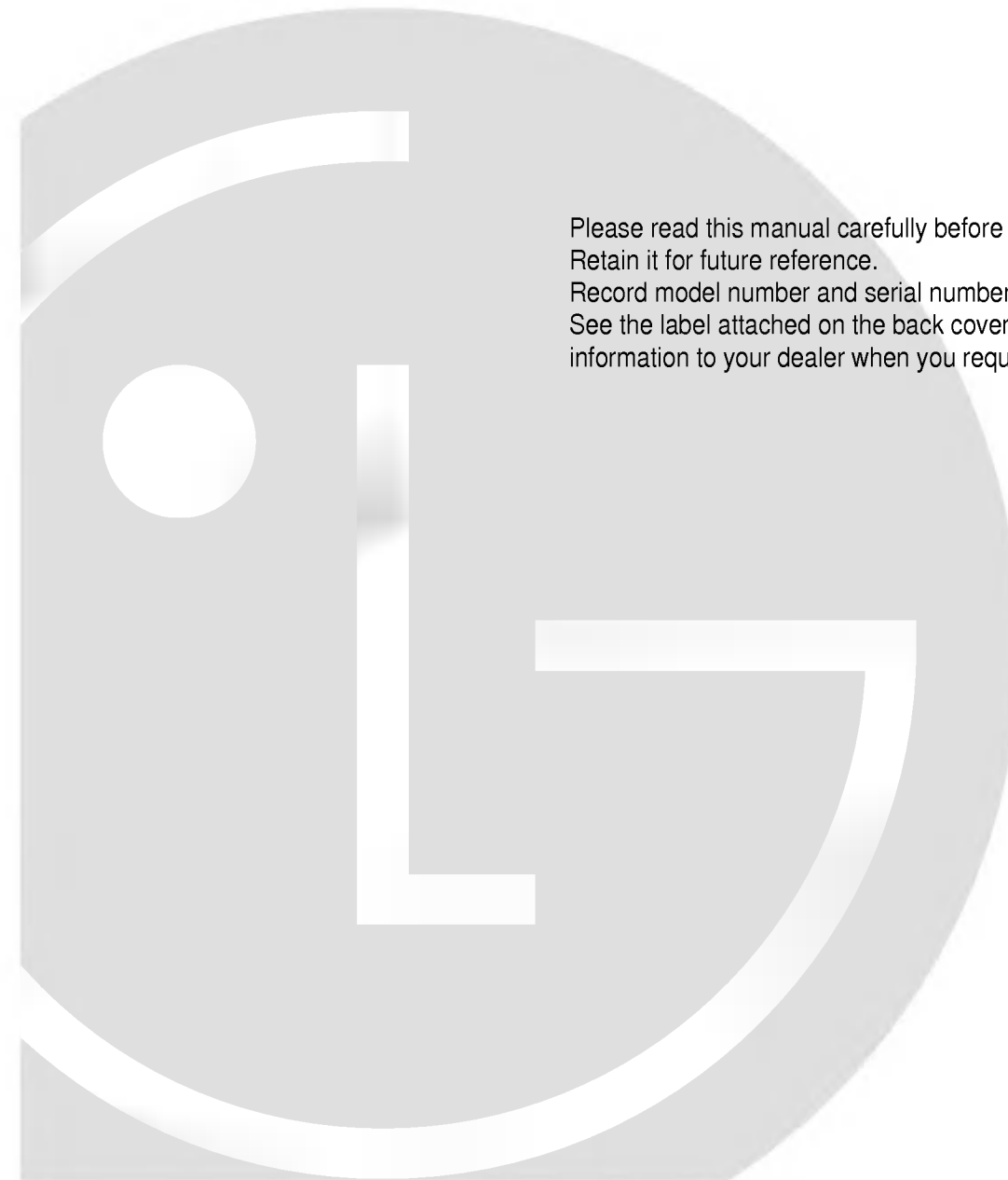
Washing Machine

OWNER'S MANUAL

MODEL : WF-1011STH



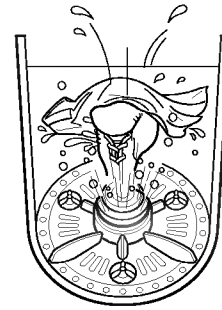
Please read this manual carefully before operating your set.
Retain it for future reference.
Record model number and serial number of the set.
See the label attached on the back cover and quote this
information to your dealer when you require service.



Product Features

Innovated washing wings

- Adjusted vertical movement and rotating direction of the washing punch reduces laundry entanglement and improves washing power.



Strong showering water supply

- Strong showering removes detergent and naps to ensure improved rinsing effects.

Double devices for removing naps

- Two lint filters catch naps and thread generated during washing to make the laundry cleaner.



High-intensity stainless inner-tub

- Spin bumpy side wall of the inner-tub, together with rhythmic waves improve washing power by beating and rubbing the laundry.
- Speed up the results to improve drying.

Strong spin

- By employing a strong spin method, laundry becomes much cleaner.



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COMMON SENSE FOR WASHING

Common Sense For Washing	
Specification	

Safety Measure

Manufacturer is not responsible for accidents caused by the user as a result of not following the user's guide

§ In Operation

- Do not insert the hand inside the inner-tub during operation. Hands may get caught in the laundry.
- If the machine does not stop operating up to 15 seconds after opening the lid, stop using the machine and contact A/S center for repair.



§ Installation Area

- Avoid area exposed to snow, rain, or where humidity is high. Avoid water-contact to the switch area. It may cause electric shock or malfunction.



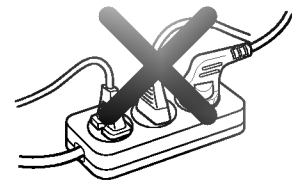
§ Children's Safety

- Do not let children climb on top of the machine or climb into the inner-tub.
- Do not let children insert the hand into the bottom of the machine where is a revolving part. Injury may occur!



§ Electric Outlet

- Avoid connecting several electric devices into a single outlet. It may cause a fire.



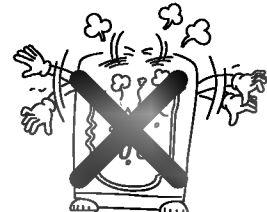
§ Volatile Material

- Do not wash or dry clothes stained with volatile material such as Benzene or thinner. It may cause an explosion, fire or burn.



§ Hot Water

- Avoid using hot water over 70°C. It may deform plastic parts or cause malfunctions.



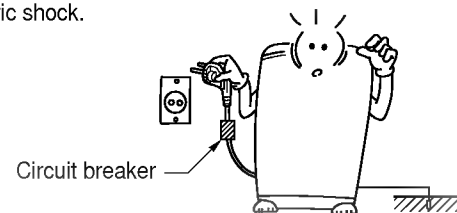
§ Heat

- Avoid electric heaters, candles, cigarette lighters, bug smokers, etc., near the machine. It may ignite or deform plastic parts.

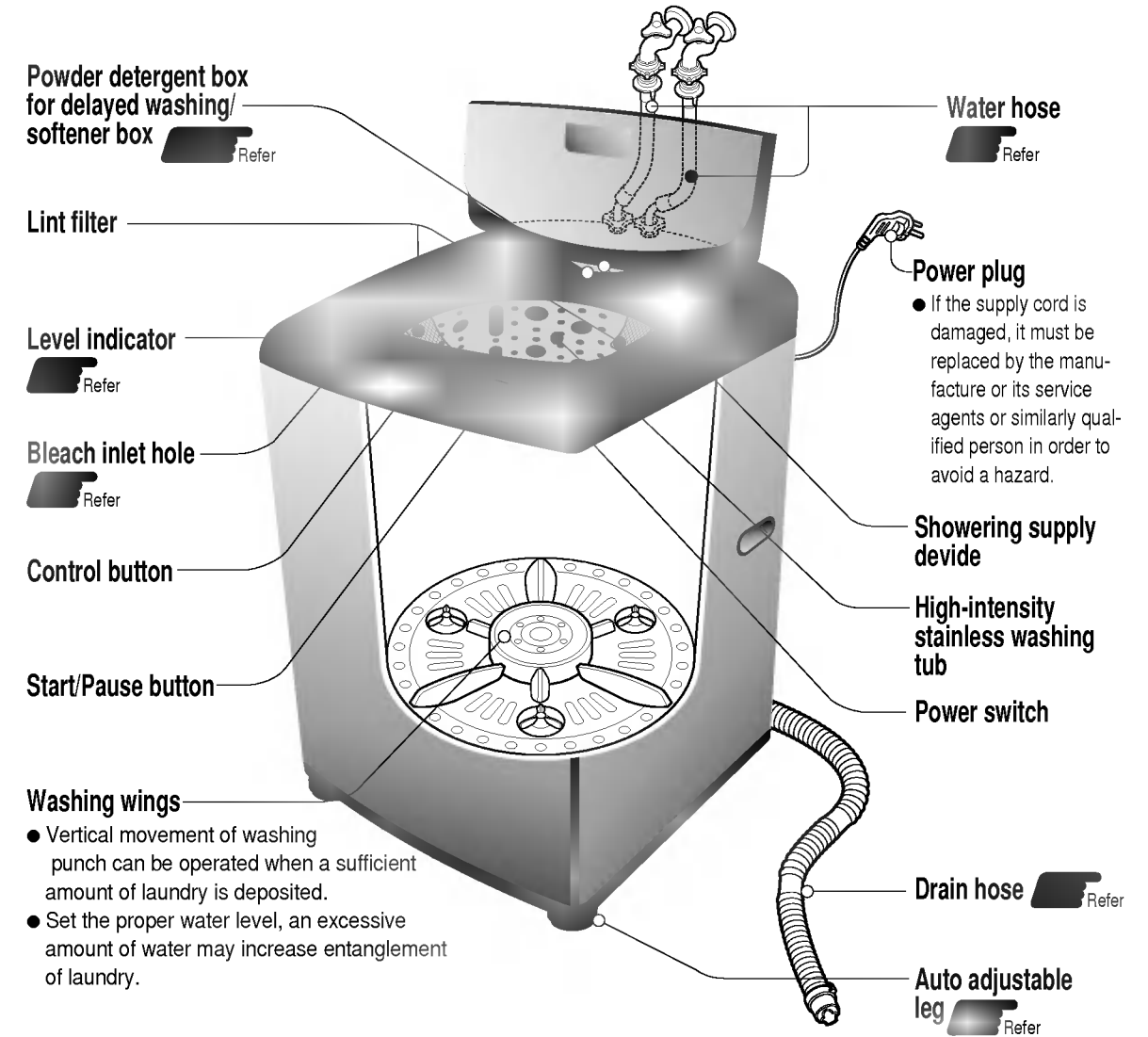


§ Grounding

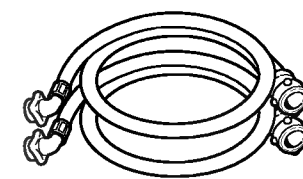
- Before connecting the power cord, make sure to ground or connect a circuit breaker.
- Otherwise, it may cause electric shock.



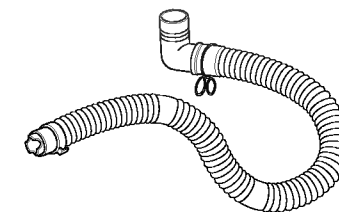
Name of Each Part



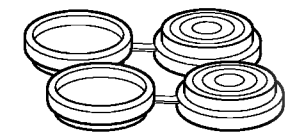
§ Accessories



Water hose(2EA)



Drain hose



Height adjusting plate(3EA)

Name of Each Part

Function of Each Button

Changing various functions is possible only in PAUSE state.
Selection button does not work when the washer is in operation
(Except for water level button).

§ How to use delayed washing


- Use this function for delayed washing.
- Use it to set the delay time.
- By pressing the button, it cycles [3 → 4 → 5 → ... → 11 → 12 → 14 → 16 → ... → 46 → 48 → 3] hours.
(Up to 48 hours can be delayed).
- To cancel delay time, turn the power switch off.

§ Detergent deposit display


- Upon loading laundry, it displays the correct amount of detergent to be added according to the amount of laundry (based on concentrated detergent).

§ Wash process display

- Indicates the current washing status.
- Next step is lit, current step blinks and finished step is turned off.

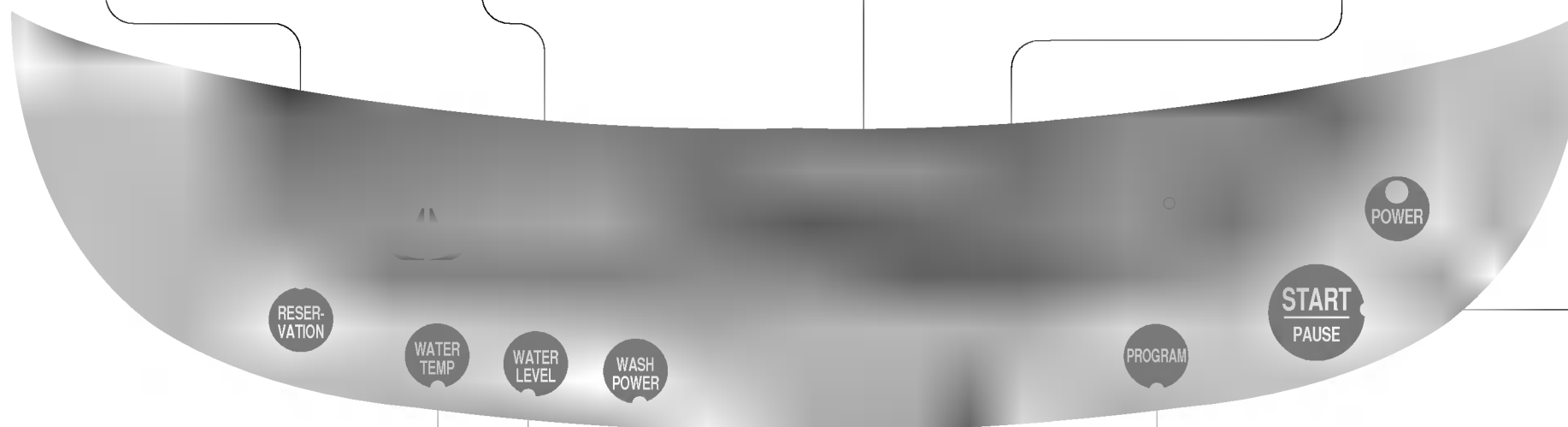
 **NOTE** In contents of display part the meanings of M, T, M are minutes, times and minutes.

§ Displaying abnormal operation

- In case of abnormal operation, the following indications are displayed.
- Abnormal water supply** : INLET Er. lamp blinks.
- Abnormal drainage** : DRAIN Er. lamp blinks.
- Abnormal spin** : SPIN Er. lamp blinks.
- Abnormal water level sensing** :  displayed.
- Abnormal lid open** : DOOR Er. lamp blinks.

§ Start and temporary pause

- Use it to start or pause temporarily.
- Pressing the button repeats start and temporary pause.
- After 10 minutes in a temporary pause state, the power will automatically turn off.







§ How to select temp.

- Use it to select hot or cold water (When hot water only is selected, hot water is supplied for washing and hot and cold water are supplied for rinsing).
- In WOOL program, cold water is selected automatically (Hot water may damage the fabric.)


§ How to adjust the water level

- By pressing the button, it cycles [LARGE → LARGE • EX-LARGE → EX-LARGE → SMALL → SMALL • MEDIUM → MEDIUM → MEDIUM • LARGE → LARGE]
- At FUZZY and JEAN program, water level is selected automatically based on the amount of laundry.
- Water level is set to LARGE for WOOL program, EX-LARGE for BLANKET program.
- Water level can be adjusted even when the washer is in operation.

§ Wash power

- Use it to adjust the strength of water current.
- By pressing the button, it cycles [ →  → ]
- Strength of the water current can be adjusted at any course. At the beginning, it starts with MED [].

§ How to select a washing program

- Use it to select washing programs.
- By pressing the button, it cycles [FUZZY → FUZZY + SOFTENER → BLANKET → BLANKET + SOFTENER → ECONOMY → ECONOMY + SOFTENER → JEAN → JEAN + SOFTENER → WOOL → WOOL + SOFTENER].
- SOFTENER setting indicates when to insert fabric softener during the final rinse. 

§ For manual wash, rinse and spin

■ Wash:

Use it to change washing time.
By pressing the button [15min → 17min → 21min → 25min → 40min → 60min → 90min → OFF → 3min → 6min → 9min → 12min → 15min] SOAKING is used to remove old or hardened dirt more effectively. Soaking time is about 40, 60, 90minutes (You cannot choose in WOOL program.).

■ Rinse:

Use it to change the frequency of rinses.
By pressing the button, [rinse 1 → rinse 2 → rinse 3 → rinse 4 → rinse 5 → off → rinse 1] are repeated.
When you select rinse only, the operation starts with water supply.

Note

When rinsing or spinning only, FUZZY is set to [LARGE] and ECONOMY is set to [MEDIUM] and BLANKET is set to [EX-LARGE] automatically. Adjust the water level as needed.

■ Spin:

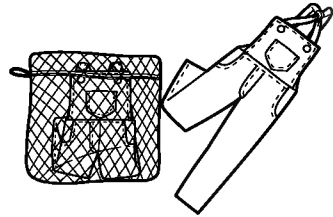
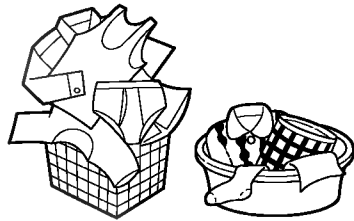
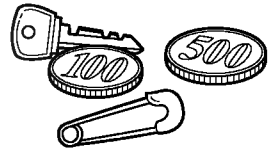
Use it to change the spinning time.
By pressing the button, [6min → 8min → OFF → 1min → 2min → 4min → 6min].

Care Before Washing

Sensing laundry amount and displaying water level

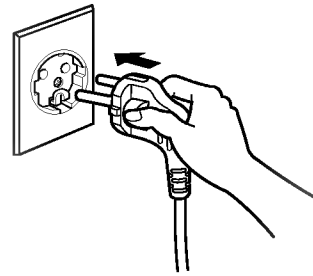
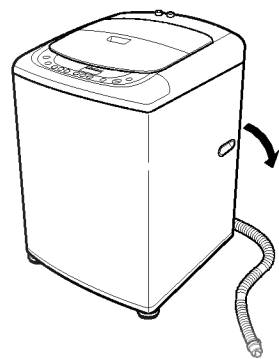
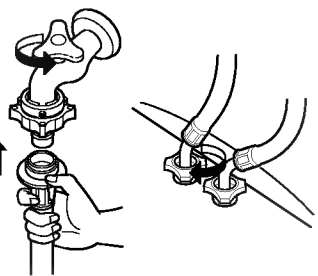
§ Laundry Handling

- Check pockets for any articles (They may damage clothes or the washer).
- Brush off dust and soil from clothes.
- Check the label of the garment's for the washing method. Clean partial stains before washing.
- Wash colored and white clothes separately.
- Since bulky and light laundry may float, buy a washing net and wash them a few at a time (parker, jumper, etc.).
- Since stringed or long clothes may cause entanglement, tie them or use the washing net.
- Floating laundry may get damaged.
- When you use a washing net, insert detergent after dissolving it, so that undissolved detergent will not be left in the net.
- It may come to increase the noise but during spin, do not care about it.

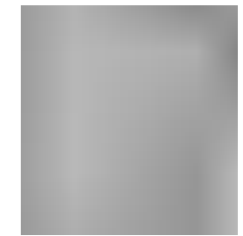
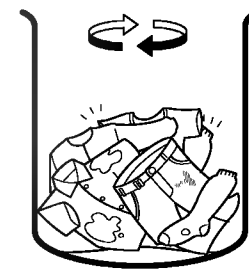


§ Preparation for Washing

- 1 Connect the water hose and then open the faucet.**
- 2 Lower the drain hose.**
- 3 Connect the power plug to the wall outlet.**



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



- 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.

§ Example of deposition of detergent deposit based on the indicated amount.

- 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(3/4 cup).**
- Regular (high-density) detergent uses 1.5 times as much as the indicated amount.

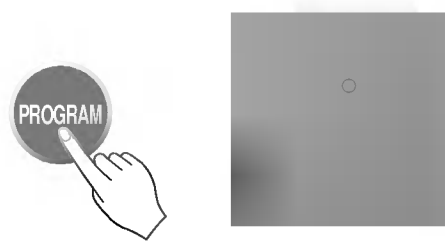


Sensing laundry amount and displaying water level

What is the Softener Program?

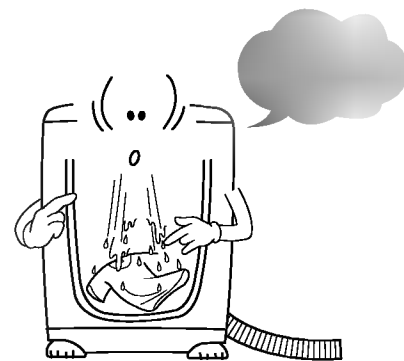
The washer sounds 'boo-' during the final rinse to indicate the time for deposition of fabric softener. (If you are not present after selecting softener program, washing completes normally without deposition of fabric softener.)

1 Select [Program+Softener].



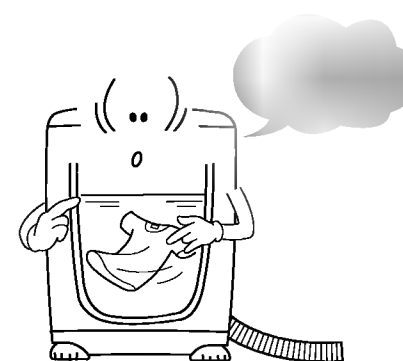
- Press the program button to select [PROGRAM AND SOFTENER] simultaneously.

2 When the final rinse starts...



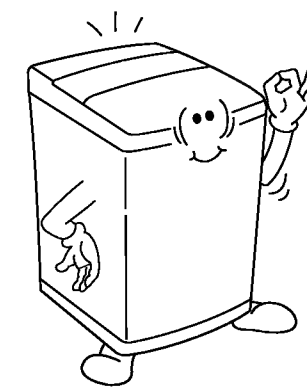
- When the water supply starts to rinse, buzzer sounds 20 times to indicate the time to deposition the fabric softener.
- Now open the lid, deposit directly fabric softener in tub and then close the lid. The rinse will start after the water supply is completed.

3 After the final rinse water supply (If you did not deposit fabric softener after the first boozer sound, the boozer sounds for the second time, and the washer waits for 3 minutes)



- If you did not deposit fabric softener during the first indication, deposit it during the second indication.
- If you deposit fabric softener and press the START/PAUSE button, rinse starts immediately (You don't have to wait for three minutes).

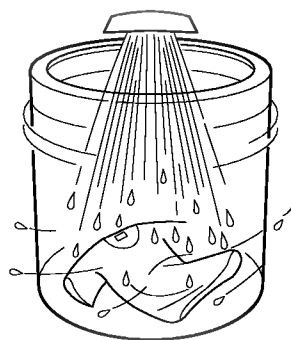
4 Washing is completed.



What is the Softener Program?

What is Showering Water Supply?

This function is to remove substances like wastes of detergent and naps.



- This function operates before rinsing, after washing and draining (At this time, water supply and draining are performed at the same time).
- Showering water supply function is performed before each rinse.







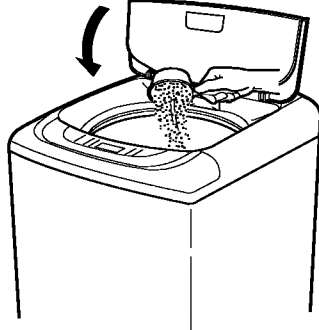
- If you did not select [SOFTENER] program, fabric softener would be input automatically with buzzer at last rinse.
- To supply fabric softener automatically, deposit proper amount of fabric softener but less than at the height of softener cap in the softener box before wash.



- WOOL program does not have showering water supply function.
- The inner-tub may turn during the showering water supply. It is not malfunctioning.
- If you select rinse only, showering water supply function does not operate during the first rinse.

Fuzzy • Jean Washing

With one-time operation, the washer completes washing cycles by itself. If adjusting wash time, the number of rinses or spin times desired, adjust them in the PAUSE state.
If adjusting water level is desired, directly adjust it by pressing the "WATER LEVEL" button.

<p>1 Press the power switch.</p> 	<p>2 Select the desired program.</p>  <ul style="list-style-type: none"> ● Press program button to select either [FUZZY], [FUZZY+SOFTENER], [JEAN], [JEAN + SOFTENER]. 	<p>3 Deposit laundry.</p>  <ul style="list-style-type: none"> ● For laundry with fragile buttons, etc., turn them inside out to prevent damage. 	<p>4 Press the START/PAUSE button.</p>  <ul style="list-style-type: none"> ● The washer senses the amount of laundry and sets the water level. 	<p>5 Deposit detergent and close lid.</p>  <ul style="list-style-type: none"> ● Deposit detergent based on the indicated amount. ● If the lid is not closed, the machine cannot start spinning, it generates the alarm sound. ● Electric power automatically turns off 10 seconds after the washing cycle finishes with "boo-" sound.
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NOTE

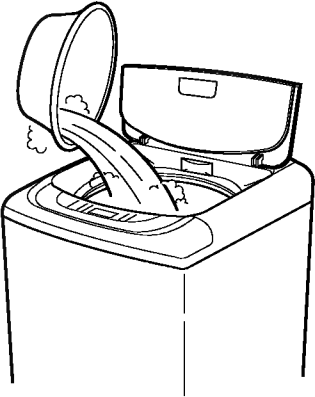
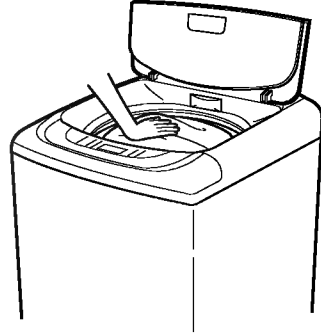


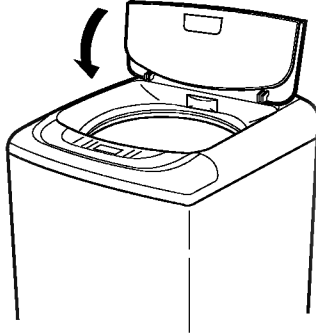

In Fuzzy program.....

- The washer senses the amount and kinds of laundry and sets the most appropriate water current, wash time, number of rinses and spin time by itself.
- While sensing the most appropriate water level, each water level lamp blinks in turn.

NOTE

- If either the inner-tub contains water or the laundry is wet, water levels may become higher. Manually adjust proper water level before operating the washer.
- Bulky and light laundry may cause a water level lower than usual. In this case, manually adjust the water level.
- For laundry that may easily be discolored, do not use [SOAKING] washing.
- Water supply may be resumed about 2 minutes after starting the wash. It is an automatic water level adjustment function.

Blanket Washing

<p>1 Deposit detergent.</p>  <ul style="list-style-type: none"> ● Use the dissolved detergent in water about 30°C. ● Water level is automatically set to [EX-LARGE]. Deposit proper amount of detergent. 	<p>2 Deposit blanket.</p>  <ul style="list-style-type: none"> ● After inserting blanket, press it uniformly for good washing results. 	<p>3 Press the power switch.</p> 	<p>4 Set to BLANKET program.</p>  <ul style="list-style-type: none"> ● Press program button and select either [BLANKET] or [BLANKET + SOFTENER]. ● In this case, the washer will automatically set to [EX-LARGE] water level and [●] wash power. 	<p>5 Close the lid.</p>  <ul style="list-style-type: none"> ● If the lid is not closed, the machine cannot start spinning. It also generates the alarm sound. 	<p>6 Press the START/PAUSE button.</p>  <ul style="list-style-type: none"> ● Electric power turns off automatically 10 seconds after the alarm sounds, when washing completely finishes.
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CAUTION

- Never wash electric blanket.
- Use a washing net in case of a cashmere quilt, since its lining may come out of the inner-tub and become damaged.
- When washing light laundry like a cashmere quilt and bedspread at a high water level, a little bit of water may come out of the drain-outlet.
- In case of using a dryer, use BLANKET drying program. For detailed description, refer to the dryer user's guide.
- Never wash carpet in the washer (It may damage the washer and the carpet).

§ Note: In Blanket Program

Blanket:

- Blankets made of 100% synthetic fiber with hand washing marks can be washed.
- Kinds:
Acryl blanket: 100% acryl(nylon coating)
Mixed fabric blanket: cotton+polyester
Wool blanket: carded wool blanket
- Weight: Less than 5.0kg for a sheet

Quilt:

- Following quilts with hand washing marks can be washed.
- Fillings:
100% polyester
Weight: about 2kg (weight of the whole quilt: less than 3.5kg)
- Size: smaller than 200 × 250cm

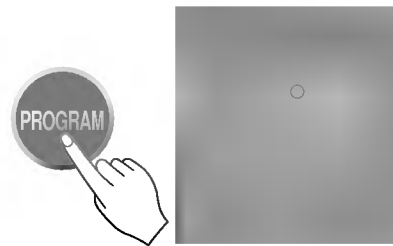
Economy Washing

This function can be used for a more efficient rinse.
Use this function to wash diapers or babies' wear.

1 Press the power button.



2 Select Economy program.



- Press program button and select either [ECONOMY] or [ECONOMY + SOFTENER].

3 Deposit laundry.

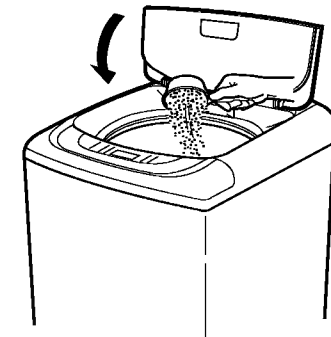


4 Press the [START/PAUSE] button.



- The washer will automatically set to 'three times' rinse.

5 Deposit detergent and close lid.






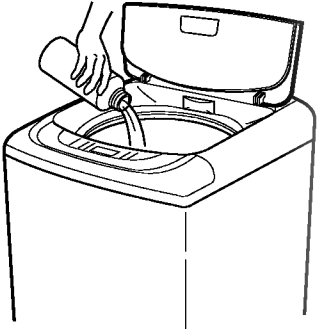
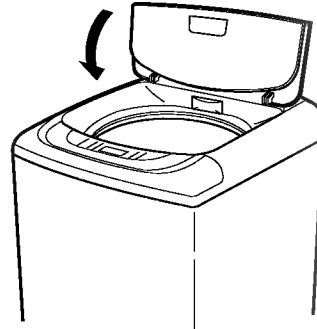
- Deposit detergent based on the indicated amount.
- If the lid is not closed, the machine cannot start spinning and generates the alarm sound.



- To protect laundry, do not select [] wash power.
- When using neutral detergent or liquid detergent, deposit proper amount of detergent based on the [Instructions for detergent].

Wool Washing

Use this function to wash delicate and weak laundries like lingerie, wool fabric, etc.

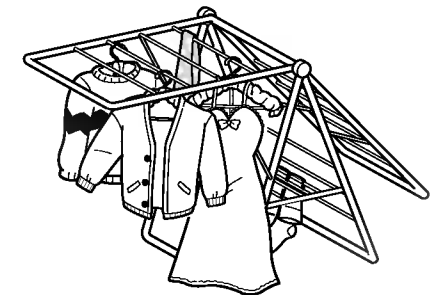
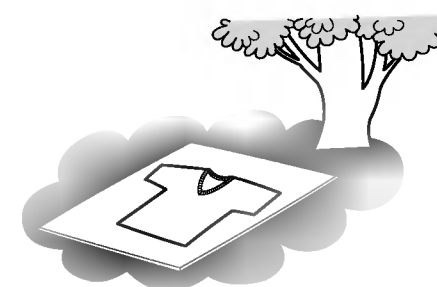
<p>1 Press the power button.</p> 	<p>2 Select WOOL program.</p>  <ul style="list-style-type: none"> ● Press program button and select either [WOOL] or [WOOL + SOFTENER]. 	<p>3 Deposit laundry.</p>  <ul style="list-style-type: none"> ● For laundry with fragile buttons, etc., turn them inside out. 	<p>4 Press the START/PAUSE button.</p> 	<p>5 Deposit detergent</p>  <ul style="list-style-type: none"> ● Use proper kind of detergent according to the type of laundry. 	<p>6 Close lid.</p>  <ul style="list-style-type: none"> ● If the lid is not closed, the machine cannot start spinning. It also generates the alarm sound. ● Electric power turns off automatically 10 seconds after the alarm sounds, when washing completely finishes.
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CAUTION

- Do not select MEDIUM or SMALL water levels. Laundry may get damaged.
- Only cold water is set(Hot water may damage laundry).
- When you use neutral detergent or detergent for domestic dry cleaning, deposit proper amount of detergent based on the 'Instructions for detergent'.
- Use this program for delicate and weak laundries like wool clothes and lingerie(Wash clothes with [WATER-WASHING] marks only).
- Wash less than 2.0kg of laundry at a time.
- Do not wash altogether with white clothes, bright-colored clothes or dark-colored clothes which can be easily discolored.
- Since spin is 'weak' for WOOL program, water may drop even after spinning.

How to dry wool and lingerie clothes

- Spread wool and lingerie clothes on a shady, flat surface.
- In case of using a clothes hanger, wrap the upper portion of the hanger with a towel to maintain the shape of the neck or shoulder section.



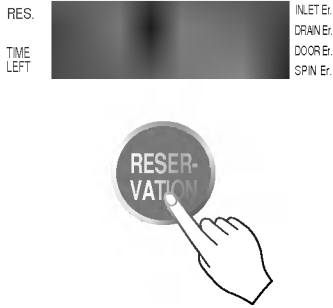

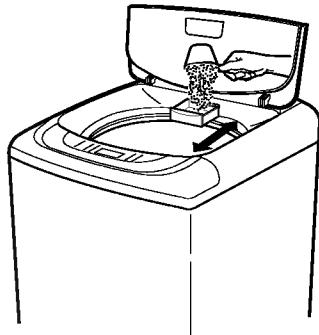
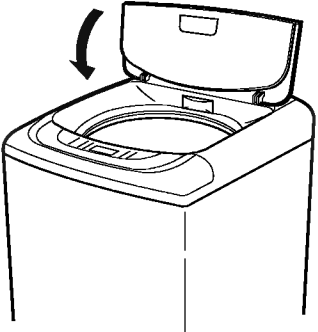


- Weak wrinkles after drying can be smoothed out by ironing.

Delayed Washing

This can be used conveniently for the every washing type.

When you want to cancel reservation for delayed washing, switch the power off and start again.

<p>1 Press the power button.</p> 	<p>2 Select a program.</p>  <ul style="list-style-type: none"> ● Select a program except for [WOOL] program. 	<p>3 Set the time.</p>  <ul style="list-style-type: none"> ● Press the RESERVATION button to set the time when the delayed washing is completed. 	<p>4 Insert laundry and press the START/PAUSE button.</p>  <ul style="list-style-type: none"> ● Insert laundry and press START/PAUSE button. The washer senses the amount of laundry and displays the water level. 	<p>5 Deposit detergent in the powder detergent box.</p>  <ul style="list-style-type: none"> ● Pull the powder detergent box forward and deposit displayed amount of detergent on control panel (or detergent usage of brand) Then, push back the box. ● During depositing powder detergent, you will hear alarm sound. It is not an error message in reservation washing. Alarm sound reminds you to close the lid. 	<p>6 Close lid and press START/PAUSE button two times again.</p>  <ul style="list-style-type: none"> ● If the lid is not closed, the machine cannot start spinning. It generates the alarm sound. ● If the lid is opened, delayed washing cannot proceed. ● In case of reopening the lid during procedure, you must close the lid and press START/PAUSE button two times to run.
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§ How to set the delay time

Example : It's 7 a.m. now. If you'd like your wash to finish at 9 p.m. set the time as in the figure below.

- When you push the button the reservation time changes [3 → 4 → 5... → 12 → 14 → 16... → 48 → 3] repeatedly.



- Make sure to deposit detergent in the powder detergent box. If you leave detergent with the laundry for a long time, the laundry may get partially discolored.
- When the lid is opened, delayed washing cannot proceed.
- In case of power failure, set again from the beginning.
- According to water supply conditions, washing may be unable to be completed by the preset time.
- Remove any water from the powder detergent box before depositing detergent. Moisture may harden the detergent.
- After setting delay time, you can change the program, wash time, number of rinses, spin time, water temperature and water level.

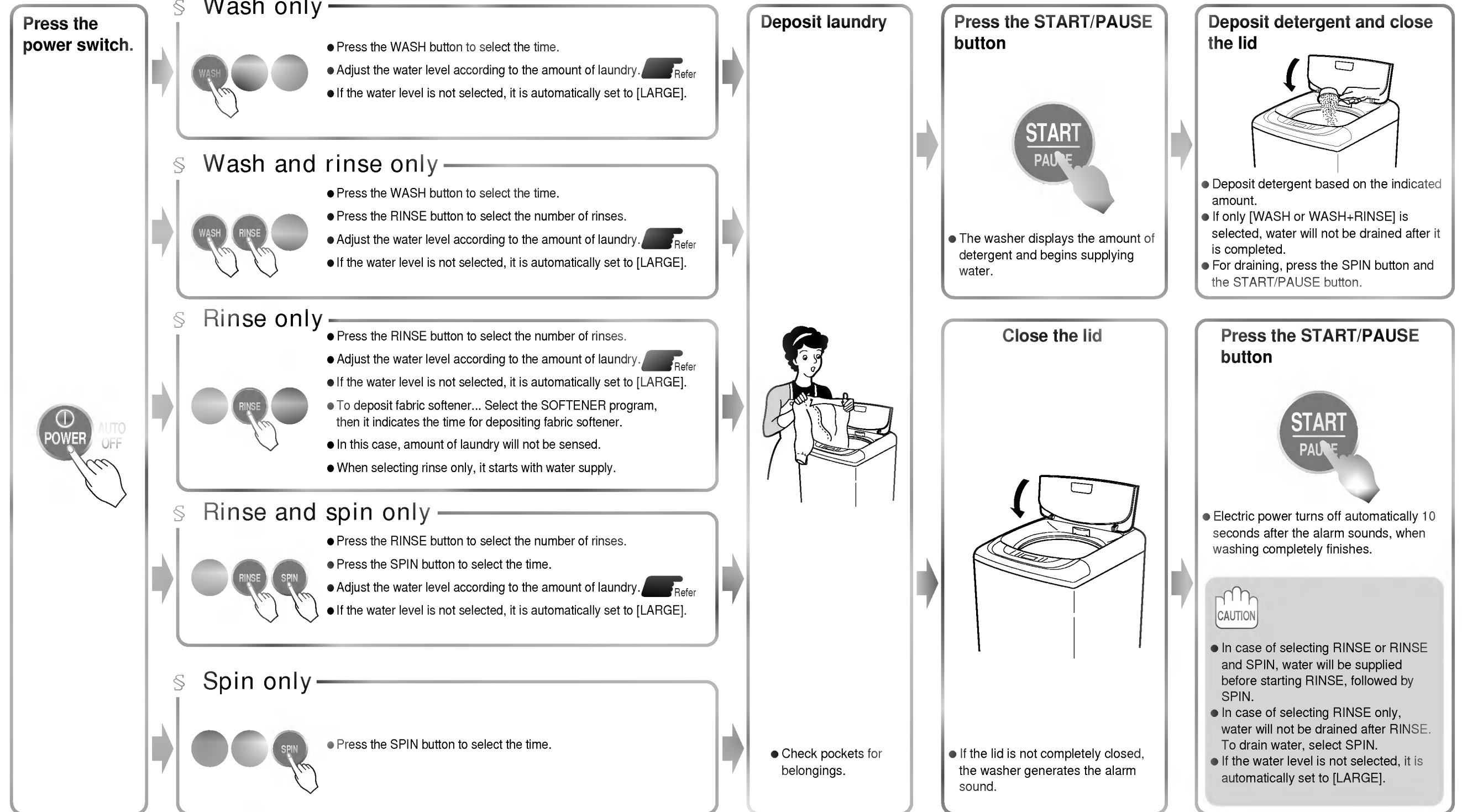


How to wash when you go out


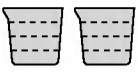
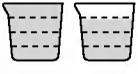




- When you cannot take the laundry out immediately after washing is completed, you'd better select wash and rinse only (In this case, do not select spin to prevent wrinkles).

Other Washing

Use it to select the desired cycle among washing, rinse and spin, or to repeat one of them after washing is completed.



Water Level and amount of Detergent

WATER LEVEL	AMOUNT OF WATER	AMOUNT OF LAUNDRY	AMOUNT OF DETERGENT	
			REGULAR	CONCENTRATED
EX-LARGE	94 l	More than 7.1kg	 About 98g	About 65g
	85 l	Less than 7.0kg	 About 85g	About 57g
LARGE	80 l	Less than 5.5kg	 About 75g	About 53g
	72 l	Less than 4.2kg	 About 65g	About 48g
MEDIUM	65 l	Less than 3.2kg	 About 54g	About 44g
	52 l	Less than 2.2kg	 About 42g	About 34g
SMALL	45 l	Less than 1.0kg	 About 32g	About 29g

- 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 water 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.

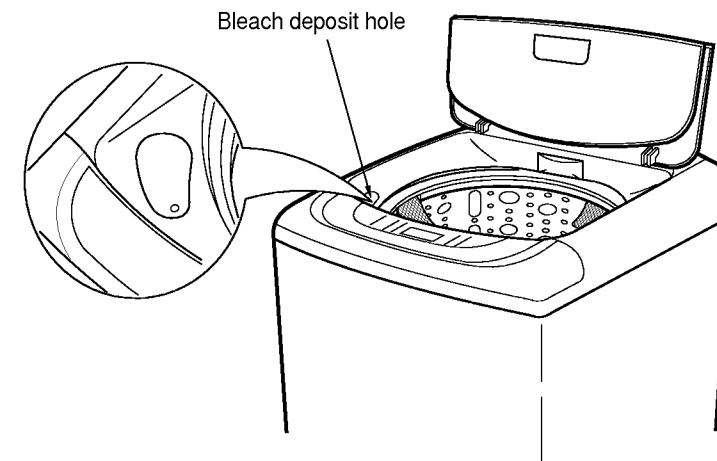


- If you use laundry soap(natural resin) for a long time, dirt separated from laundry may remain on the inner-tub wall and cling to laundry during washing.
- Using excessive amount of detergent may reduce the rinse effect and pollute the environment.

How to Use Bleach and Softener

How to Use Bleach

- Always separate clothes to be bleached and then deposit bleach through the bleach deposit hole.
- For powder bleach dissolve it with water and deposit it into the tub. Make sure that the bleach does not touch the laundry.
- * For a detailed description, refer to the "Directions for bleach".



- Do not deposit bleach directly into the laundry (The laundry may get discolored or damaged).
- Separately bleach colored clothes and synthetic textiles.

Basis of Selecting Each Button

In addition to full-automatic washing, the user can select other functions as desired.
When the washer is in operation, pause the washer before making changes.

§ Water supply selection

- By pressing the button, it cycles COLD → HOT, COLD → HOT → COLD.
- Even when only HOT is selected, COLD and HOT water is supplied simultaneously during the RINSE cycle.
- At WOOL program, only COLD water is used.

§ Water LEVEL selection

- Water level is set automatically after sensing the amount of laundry is high or low, press the WATER LEVEL button to change the water level.

§ Wash power selection

Strong	⊗	Heavily-stained clothes
Normal	⊖	Normally-stained clothes, cotton, yam, synthetic fabric, thin clothes
Gentle	⊕	Lightly-stained clothes

- * For WOOL program, water current is separately adjusted to a very gentle one to prevent damage to clothes.
- * To dissolve detergent, the washer starts operating at a level which is one step lower than the preset water level.

§ Wash selection

SOAKING	40, 60, 90min.	Heavily stained clothes
25 ↑ ↓ 3	17 - 25min.	Heavily stained clothes, thick clothes
	9 - 15min.	Normal clothes, cotton, yam, synthetic fabric, normally-stained clothes, thin clothes
	3 - 6min.	Soft clothes, delicate clothes, lightly-stained clothes

- * Actual wash time may differ according to water level.
- * For LINGERIE program, washing wings revolve very slowly (to prevent shrinkage and damage).

§ Rinse selection

Rinse 4, 5	Heavily stained clothes
Rinse 2, 3	Normal clothes, cotton, yam, synthetic fabric, normally-stained clothes, thin clothes
Rinse 1	Lightly-stained clothes

§ Spin selection

6 ~ 8min.	Thick clothes
4 ~ 6min.	Normal clothes, light clothes, thin clothes
1 ~ 4min.	Soft clothes
1min. at low revolution speed	Clothes to be ironed, delicate clothes

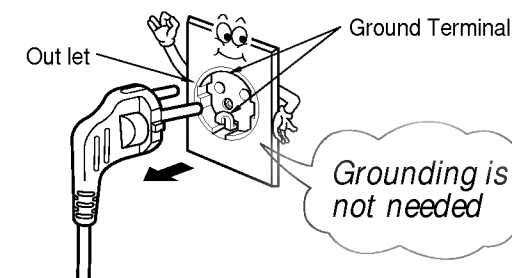
- * For WOOL program, the tub turns very slowly and spins for a very short time (to prevent damage to clothes).

Installing the Washer

CAUTION Make sure to connect the ground wire.
Otherwise, it may cause electric shock!

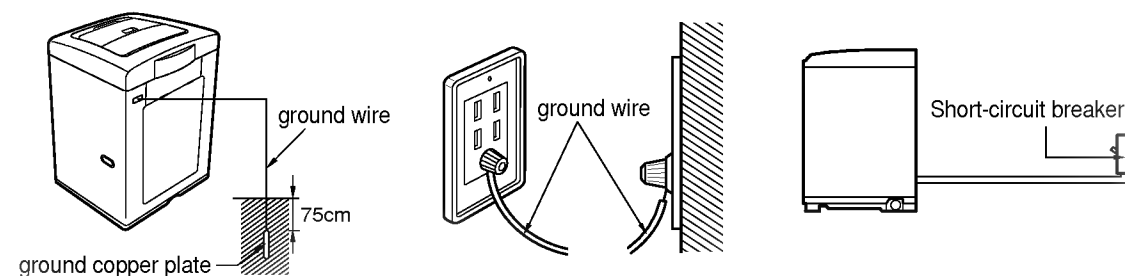
§ How to ground

- If AC outlet with ground terminal is used, grounding is not need.



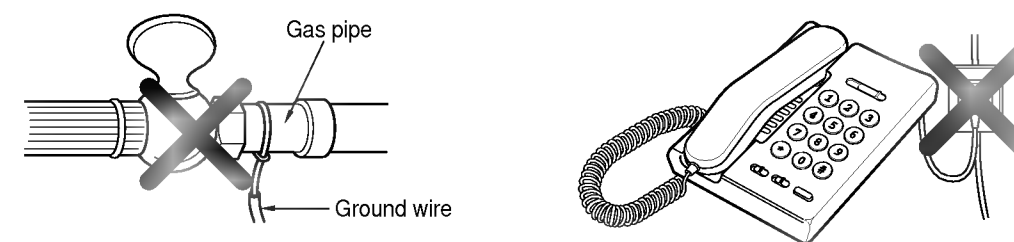
§ Other grounding method

- Connect the ground wire to the ground copper plate and then bury it under the moist ground at least 75cm deep.
- Connect the ground wire to the ground terminal at the outlet.
- When installing it in an area where grounding is not possible, purchase a short-circuit breaker (15mA at operation, 7.5mA at idle) and connect it to the outlet.



§ Place where grounding should be avoided

- Never connect the ground wire to gas pipes, water pipes, lightning arrest or telephone outlets.
- There is no ground effect in the plastic water pipe.

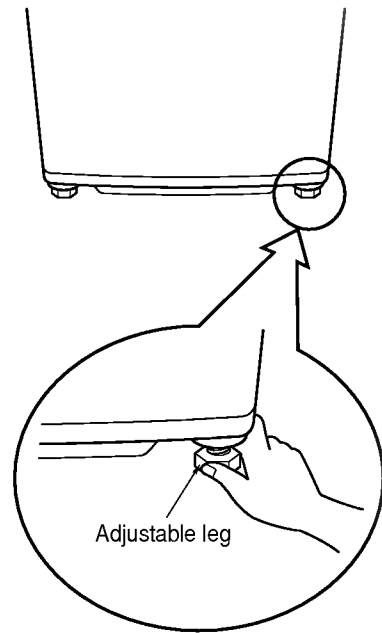


Installing the Washer

Improper installation of the washer may cause noise and malfunctioning.

- CAUTION**
1. The ventilating openings in the base area must 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°.

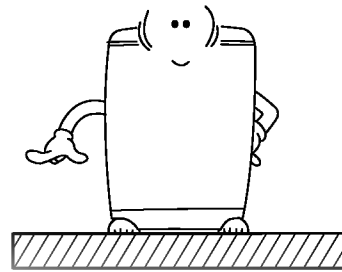
§ How to adjust level



Turn the adjustable legs to set the washer horizontal(2EA).

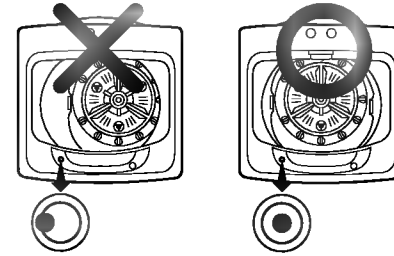
1 Installation area

- Install the washer on flat and firm surface.



2 Checking level

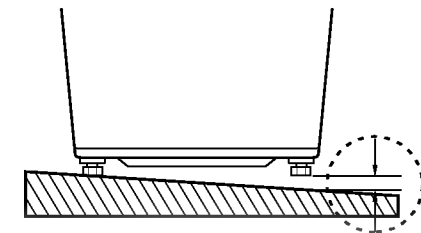
- Open the lid, and check if the washer is correctly leveled by looking down from the top.



- Adjust the drop of the level indicator to the red circle.

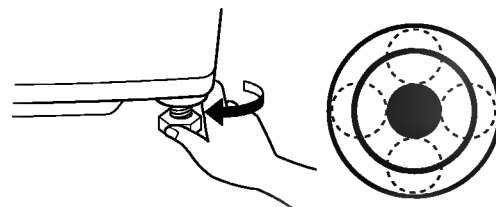
3 Checking slope

- Check if installation surface is tilted. (Try to shake the washer and check if the washer is firmly installed.)



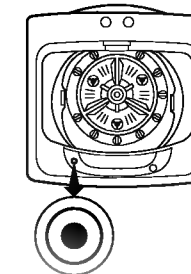
4 Horizontal setting

- Lift up the front of the washer and adjust the drop of the level indicator to the center by turning the adjustable legs clockwise or using the adjusting plate.



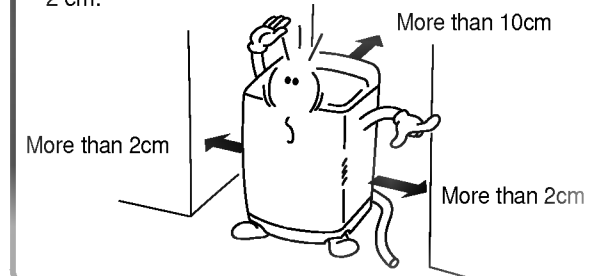
5 confirming level

- Place the washer to original position and confirm the level as in figure 2. (Try to shake the washer and confirm the level.)
- Check the location of the level in the front of washer.



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.



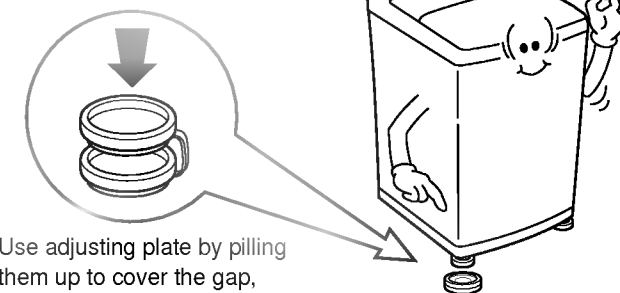
§ Horizontal setting

Location of drop	Cause	How to adjust
	When the front is lower.	● Adjust the front adjusting plate with the adjustable legs(2), or adjust the adjustable legs.
	When the rear is lower.	● Adjust the rear adjusting plate with the adjustable legs(2), or adjust the supporting plate.
	When the left is lower	● Adjust the left part of the front and rear adjusting plates or the supporting plate.
	When the right is lower.	● Adjust the right part of the front and rear adjusting plates or the supporting plate.

(Example) To move the drop of the level indicator by 1.5 mm: Use two adjusting plates and a 10 mm supporting plate, and turn the adjustable legs 2-3 times.

How to use the adjusting plates

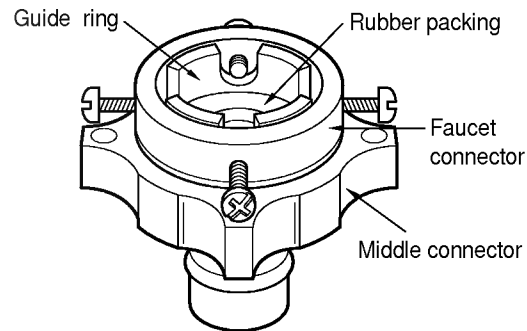
- Use the adjusting plates to level the washer when the adjustable leg's cannot cover the gap.



- Use adjusting plate by piling them up to cover the gap, when necessary.

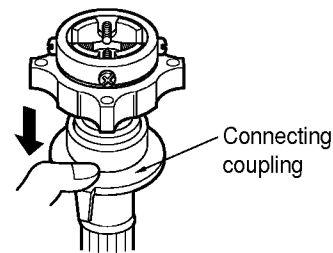
Installing the Washer

§ How to connect the faucet connector



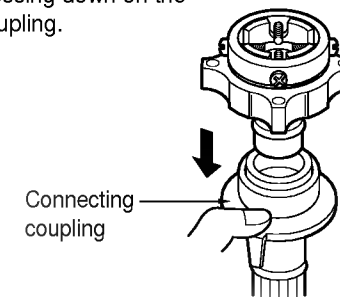
1 Disconnecting the middle connector from the drain hose

- Push the connection coupling down as in the figure.



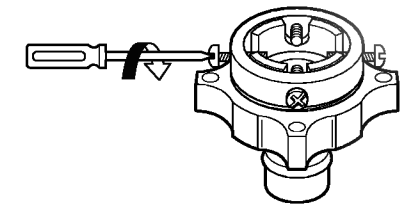
2 Disconnecting the middle connector from the drain hose

- Disconnect the water hose by pulling down the water hose while pressing down on the connection coupling.



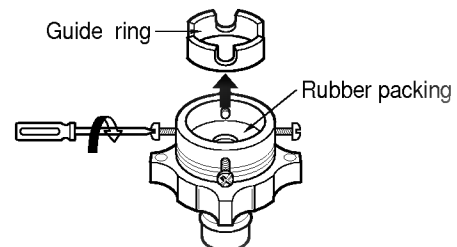
3 Loosening fixing screws

- Loosen the 4 fixing screws of the faucet connector to fit it on the faucet.



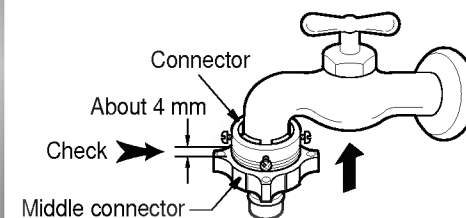
When the faucet diameter is big...

- When the faucet diameter is big or a rectangular faucet is used, unscrew the four fixing screws and remove the guide ring as in No. 3.



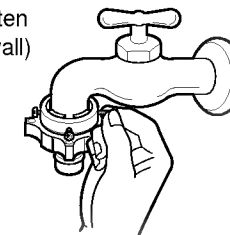
4 Push up the faucet connector

- Push the connector up to the faucet and make sure that the rubber packing inside the connector is completely attached.
- Check if the middle connector is half-tightened(4 mm).



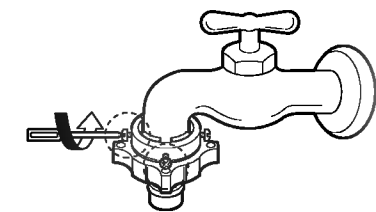
5 Fixing the connector

- While the rubber packing is completely attached to the faucet, slightly fasten 2 screws(facing the wall) to touch the faucet.
- If you cannot use a screw driver due to a narrow space, tighten the two screws(facing the wall) until they touch the faucet slightly and then insert.



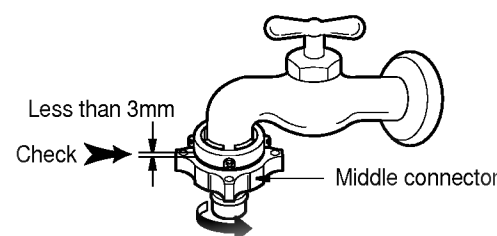
6 Tightening fixing screws of the connector

- Tighten the two screws marked below, while pushing up on the faucet connector.



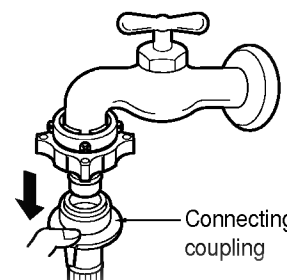
7 Tightening the middle connector

- Turn the half-loosened middle connector to the right(see no.4) and tighten it to make the length of the visible part of the screw threads less than 3mm.



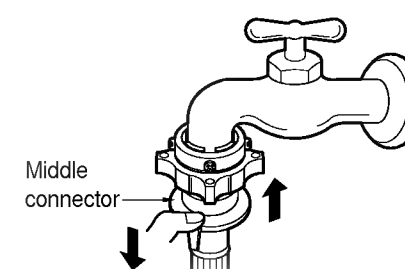
8 Connecting the water hose to the middle connector

- Push down the connecting coupling of the water hose from the middle connector.



9 Connecting the middle connector and water hose

- Insert it to the middle connector and then let it go.



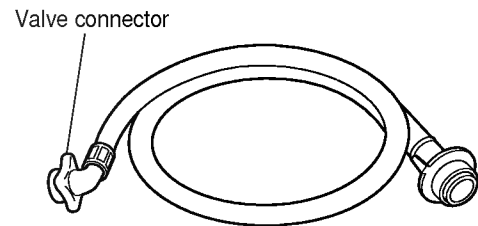
10 Checking connection of the water hose and middle connector

- Connect the water hose to the washer, and then see if there is any leakage after opening the faucet.
- If there is leakage, close the faucet and start again from Fig.1. (Improper installation of Fig.4 and Fig.7 may cause leakage.)



Installing the Washer

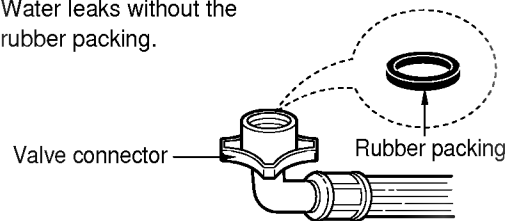
§ How to connect the water hose



- You can use the cold water hose only, when there is no hot water faucet.

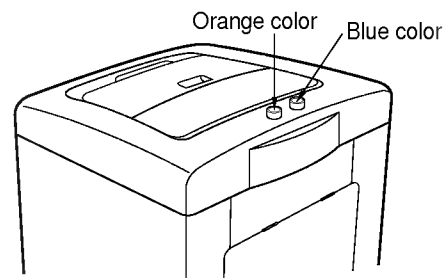
1 Checking rubber packing of the connector

- Make sure that the rubber packing is inside the valve connector.
- When there is no rubber packing, check the inside of the washer or contact a Service Center.
- Water leaks without the rubber packing.



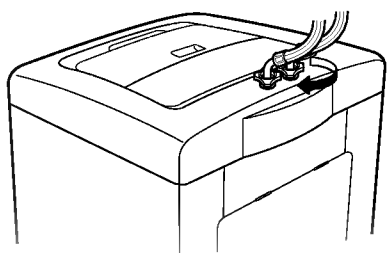
2 Checking colors

Cold water hose and hot water hose have a blue and orange color, respectively. Do not mix them.



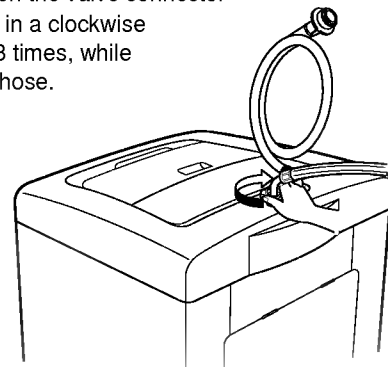
3 Checking rubber packing of the connector

- Set the valve upright and then tighten completely.



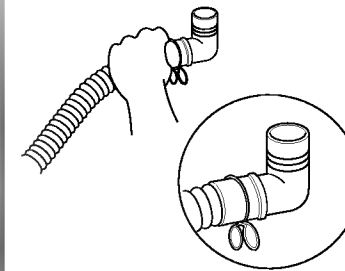
4 Checking colors

- Slowly tighten the valve connector by turning it in a clockwise direction 2-3 times, while holding the hose.

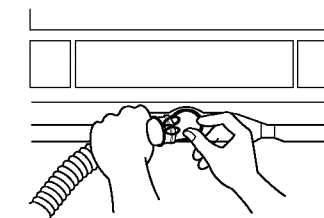


§ How to connect the drain hose

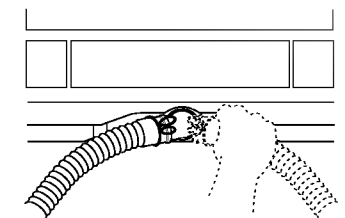
- 1 Check that the clip is assembled.



- 2 Assemble drain hose as the direction you want. (Fit drain hose into the outlet and push it forward)



- 3 Put drain hose in direction of which it drains water and be careful that it should be flat on the floor.



Less than 2m

- The hose is placed over a doorsill.

Less than 6cm

The hose is clogged by alien substances.

- Make sure that the hose is not crushed.

Less than 10cm

- Make sure that the hose is not crushed between the wall and the washer.
- Avoid submerging the end of hose.

Less than 3m

Curve

The hose is clogged by alien substances.

- Extension hose is used.
- Make sure that the hose is not curved. Curves may get alien substances stuck and disable drainage.

Drain valve connector

A B

- When cutting the drain hose, cut A or B and insert the end of the hose into drain valve connector.

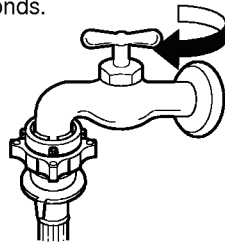
Maintaining the Washer

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.

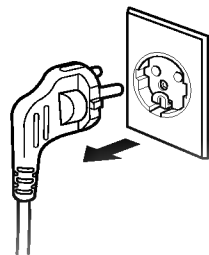
§ Cleaning the filter in the inlet valve

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

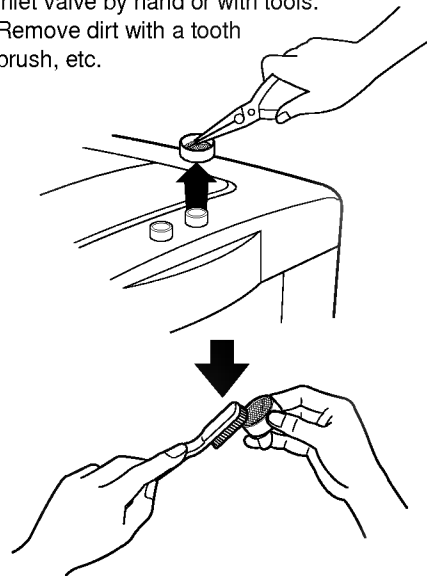
- 1 Turn off the faucet and press the power switch.
2 Select cold & hot water and press START/PAUSE button. Let the washer operate for 5 seconds.



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



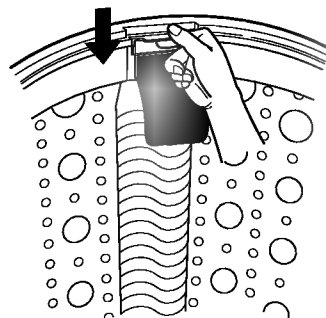
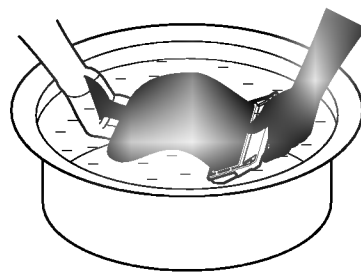
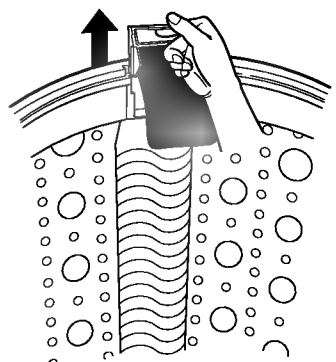
- 3 Disconnect water hose, and remove filter from the inlet valve by hand or with tools. Remove dirt with a tooth brush, etc.



● Then insert it back into the water inlet.

§ Cleaning the lint filter

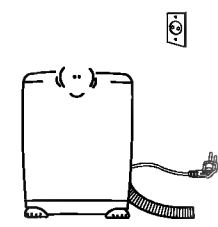
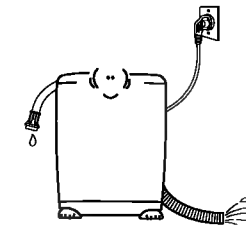
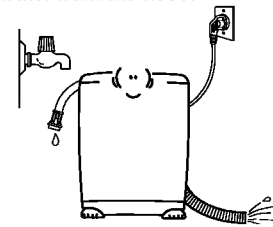
- 1 Press and then pull forward the lint filter from the washing tub to the arrow direction.
- 2 Turn inside out and wash it to remove dirt.
- 3 Insert it back into place ("Click").



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

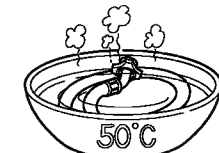
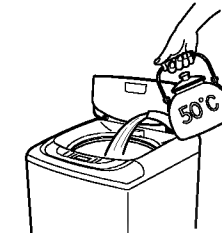
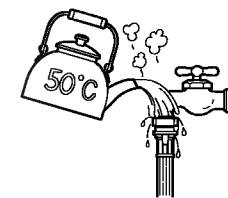
§ To prevent freeze in winter

- 1 Close faucet 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.

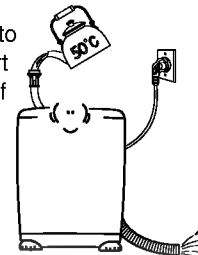


§ When frozen

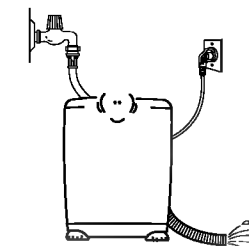
- 1 Pour 50°C of hot water on the faucet and remove the water hose.
- 2 Pour 50°C of hot water inside the tub and leave it for 10 min.
- 3 Submerge the separated hose in 50°C of hot water



- 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 faucet and check if water is draining.



⚠ "Stainless steel inner tub won't be rusted.

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


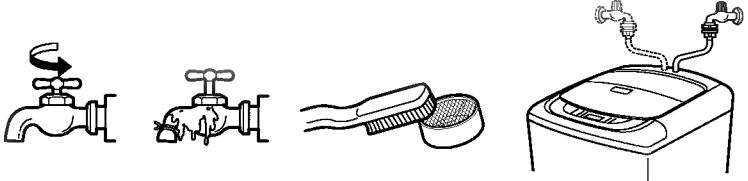

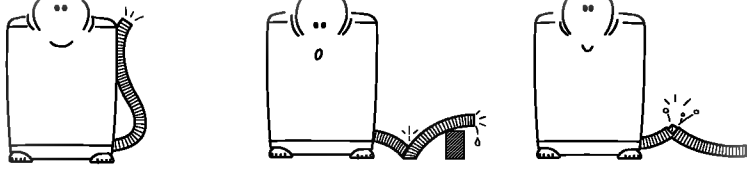




- Metal product (like hairpin, etc.) that can be rusted is left inside the tub for a long time.
- Water with a lot of iron substance is used for a long time.
- Water or chlorine type bleach is left inside the tub for a long time.



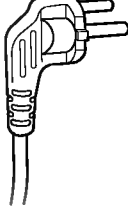
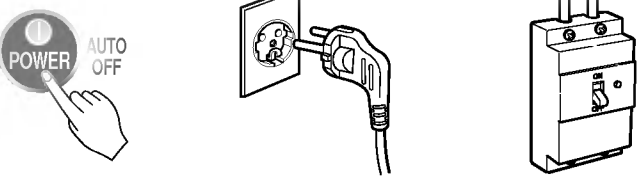

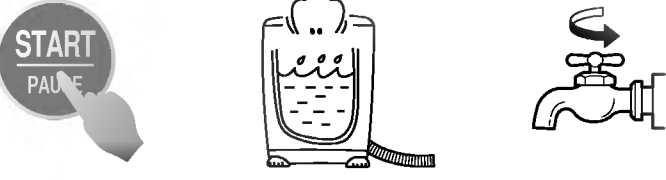

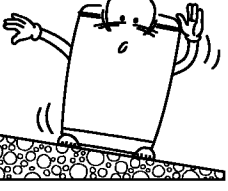
⚠ "If rust is found, soak sponge or soft cloth with cleaner (neutral cleaner) and wipe the rust. (Never use metal sponge)



Troubleshooting




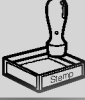











If an abnormal symbol appears in the display window, check the following before asking for service.

SYMPTOM	ITEM TO BE CHECKED
Abnormal faucet 	 <p>Abnormal Is the faucet closed? Is the faucet frozen? Is the water supply discontinued? 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>
Abnormal drainage 	 <p>Is the drain hose lowered? Is the drain hose bent? Is the doorsill too high? Is the drain hose frozen?</p>
Abnormal spin 	 <p>Is the laundry gathered to one side? Is the washer tilted?</p>
Opened lid  (At this time, buzzer sounds without lamp indication)	 <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>

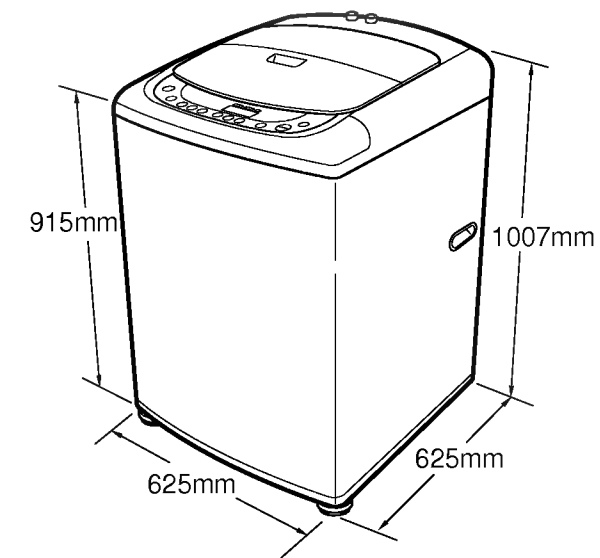
SYMPTOM	ITEM TO BE CHECKED
Abnormal level sensing 	Ask for service center
Abnormal level power 	
No power 	 <p>Is the power switch pressed? Is the power plug firmly connected? Is power supply is correct? Is the short-circuit breaker closed?</p>
No operation 	 <p>Is the lid closed and the START/PAUSE button is pressed? Is the tub filled with required amount of water? Is the faucet closed?</p>
Excessive vibration and noise during spin 	 <p>Is the washer installed on firm and level surface?</p>
Water supply and rinse after pausing it during rinse or spin.	<ul style="list-style-type: none"> ● It is normal, the washer is automatically correcting the laundry gathered to one side. ● No special action is needed.

Common Sense for Washing

Specification

Ink 	Wash → Warm water with 1% of oxalic acid(2-3 times)	Shoe polisher 	Remove fat with benzene → soap or neutral detergent(according to textile) → bleach
Rust stain 	Wash in warm water with oxalic acid	Red stamping ink 	Remove fat with benzene → soap → liquid ammonia(ammonia 5%)
Blood 	Cold water → Soap (Do not use hot water. It may solidify blood.)	Sweat 	Wash or liquid ammonia (old stain)
Red ink 	Alcohol(benzene, acetone) → Wash → Bleach	Paint 	Terepin oil or volatile oils (old stain)
Juice, Venegar 	Neutralize with alkali water(liquid ammonia, soap) → Neutral detergent or detergent for domestic drycleaning	Gum 	Solidify with ice → remove with benzene
Ice cream 	Remove fat with benzene → Warm water with neutral detergent or detergent for domestic drycleaning	Coffee, soybean sauce 	Wash with soap in warm water → clean with alcohol
Butter 	Remove fat with benzene → Petrolic synthetic detergent	Lipstick 	Remove fat with benzene ; soap
		Bond 	Clean with alcohol (benzene, acetone)

* For water stain, use water, detergent, detergent for domestic drycleaning, liquid ammonia. For oil stain, use benzene, carbon tetrachloride, alcohol



- Water pressure : 30~800kPa (0.3kgf/cm²~8kgf/cm²)
- Revolution speed of the wings : 120rpm
- Revolution speed of the tub : 650^{±50}rpm
- Weight : 46kg
- Dimension : 625mm(W) × 625mm(D) × 1007mm(H)
- Standard water amount : 94 ℓ
- Standard water consumption : 260 ℓ (2 Rinses)

§ How to remove stain when you do not know the cause

Wash → soap, detergent → benzene or alcohol → bleach(according to type of textile)

* To prevent damage to laundry, first test on the inside of laundry, and then remove stain after covering the bottom of laundry with white cloth or towel.

* The appearance and specifications may be varied without notice to raise the units quality.