LG

Washing Machine
OWNER'S MANUAL

MODEL : WF-1001STH

LG Electronics Inc.

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
● Three small washing wings generate strong and sharp washing currents to clean laundry uniformly.
● Adjusted vertical movement and rotating direction of the washing punch reduces laundry entanglement and improves washing power.
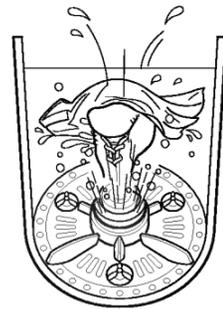
Strong showering water supply
● Strong showering removes detergent and naps to ensure improved rinsing effects.

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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Contents

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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

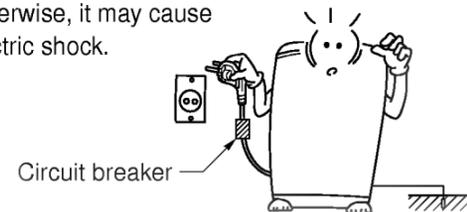- Avoid using hot water over 70°C. It may deform plastic parts or cause malfunctions.

§ Heat

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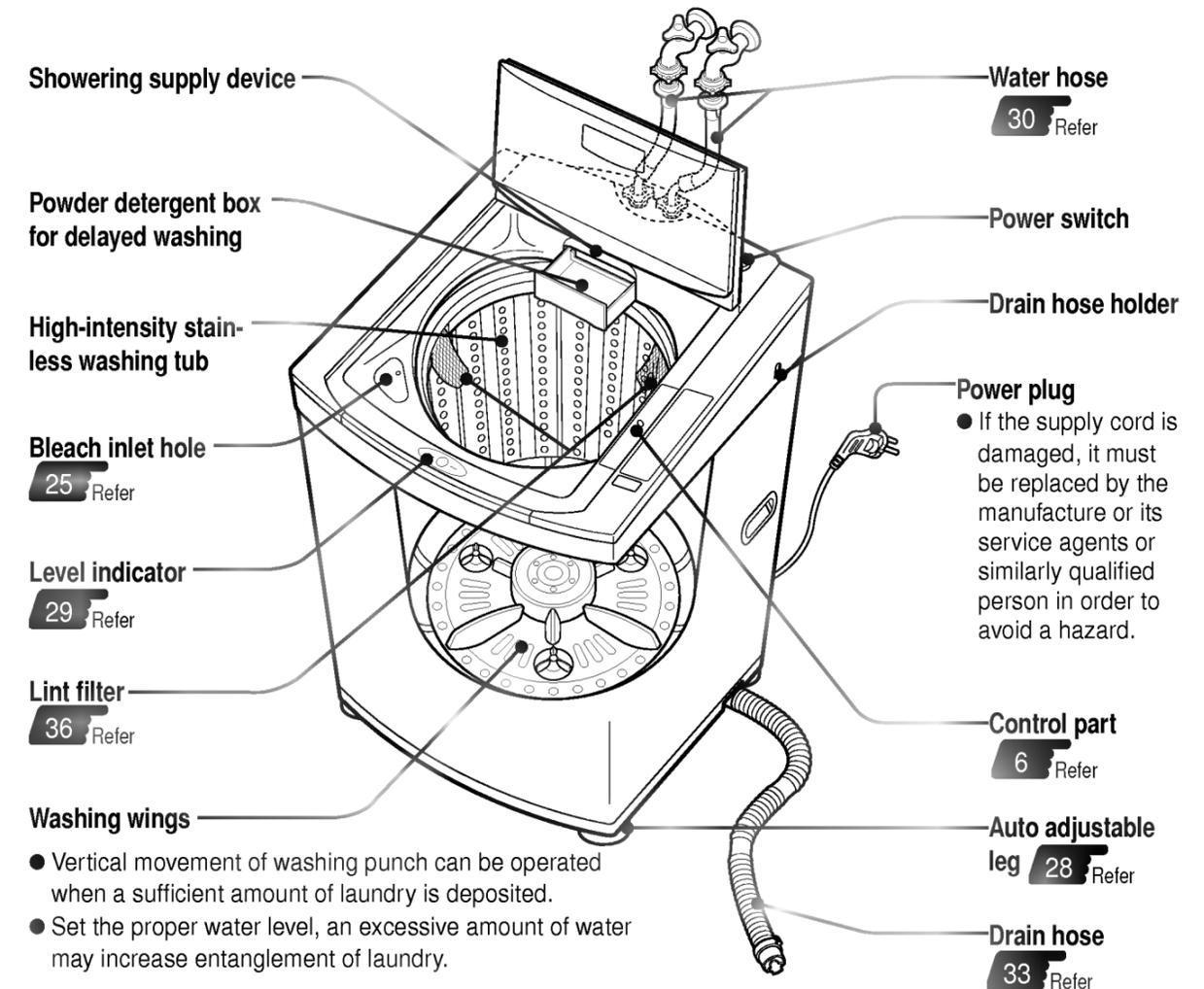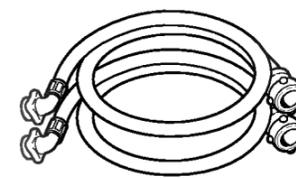
§ Grounding

- Before connecting the power cord, make sure to ground or connect a circuit breaker. 34 Refer
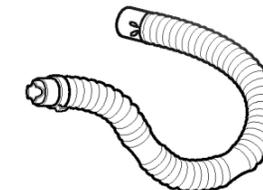- Otherwise, it may cause electric shock.

Circuit breaker

Name of Each Part

Showering supply device

Powder detergent box for delayed washing

High-intensity stain-less washing tub

Bleach inlet hole
25 Refer

Level indicator
29 Refer

Lint filter
36 Refer

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.

Water hose
30 Refer

Power switch

Drain hose holder

Power plug
- If the supply cord is damaged, it must be replaced by the manufacture or its service agents or similarly qualified person in order to avoid a hazard.

Control part
6 Refer

Auto adjustable leg 28 Refer

Drain hose
33 Refer

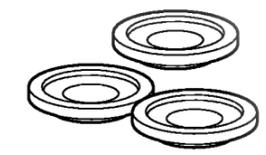## § Accessories

Water hose(2EA)   Drain hose   Height adjusting plate(3EA)

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 select a washing program
Refer
- Use it to select washing programs.
- By pressing the button, it cycles[NORMAL → NORMAL + SOFT-ENER → BLANKET → BLANKET + SOFTENER → BABY WEAR → BABY WEAR + SOFTENER → LINGERIE → LINGERIE + SOFTENER]
- SOFTENER setting indicates when to insert fabric softener during the final rinse. **Refer**

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 LINGERIE 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 → EX-LARGE → TINY → SMALL → MED → LARGE]
- At NORMAL and BABY WEAR program, water level is selected automatically based on the amount of laundry.
- Water level is set to LARGE for LINGERIE 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 use delayed washing
Refer
- Use this function for delayed washing.
- Use it to set the delay time.
- By pressing the button, it cycles [6 → 9 → 12 → 6] hours. (Up to 12 hours can be delayed)
- To cancel delay time, turn the power switch off.

PROGRAM
WATER TEMP
WATER LEVEL
WASH POWER
RESER-VATION

HOT   COLD

START/PAUSE
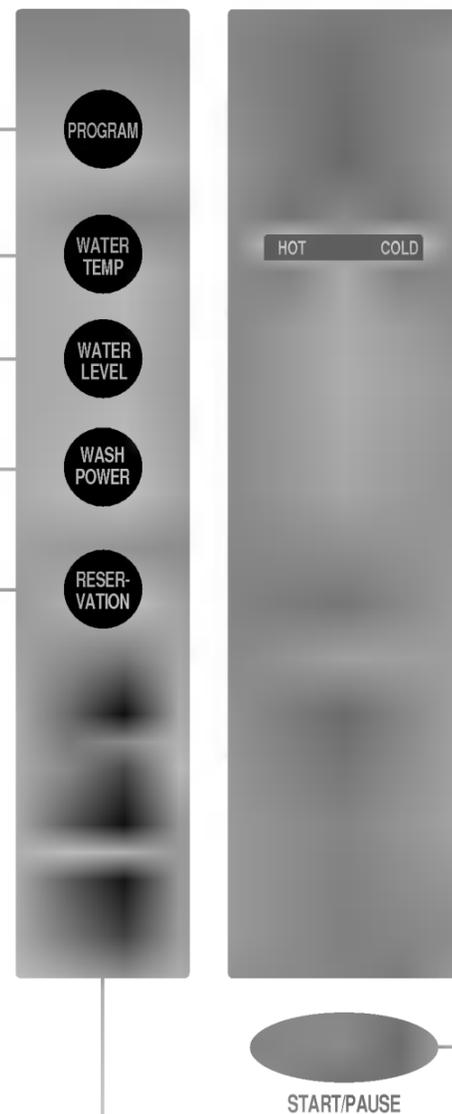
Displaying abnormal operation **Refer**
- In case of abnormal operation, the following indications are displayed.
    Abnormal water supply : wash + rinse lamps blink.
    Abnormal drainage : rinse + spin lamps blink.
    Abnormal spin : wash + rinse + spin lamps blink.
    Abnormal water level sensing : water level lamp blinks.
- The lid is opened : alarm sound is generated without lamp indication.

Detergent deposit display **Refer**
- 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.

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.

For manual wash, rinse and spin
- **Wash:**
  Use it to change washing time.
  SOAKING is used to remove old or hardened dirt more effectively.
  Soaking time is about 80 minutes(You cannot choose in LINGERIE program).
- **Rinse:**
  Use it to change the frequency of rinses. By pressing the button, [rinse 2 → rinse 3 → rinse 4 → water supply rinse 1 → water supply rinse 2 → water supply rinse 3 → water supply rinse 4 → off → rinse 1] are repeated. If the [water supply] lamp is turned on, the water supply rinse is executed during the first rinse only.
  Water supply lamp turns on during the water supply rinse, and turns off at the completion of the rinse.
  When you select RINSE only, the operation starts with water supply.
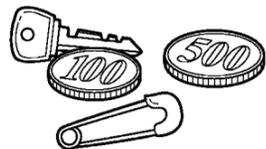
  NOTE When rinsing or spinning only, Normal is set to [**Large**] and Baby wear is set to [**Med**] and Blanket is set to [**Ex-Large**] automatically. Adjust the water level as needed.

- **Spin:**
  Use it to change the spinning time.

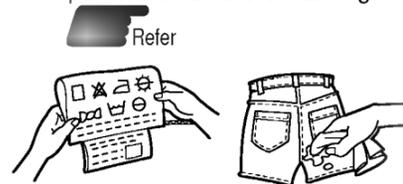# Care Before Washing

§ 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.
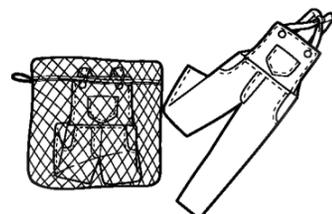
  Refer

- 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.).

  - 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.
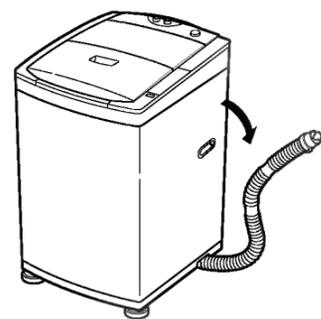
- Since stringed or long clothes may cause entanglement, tie them or use the washing net.

  - It may come to increase the noise but during spin, do not care about it.
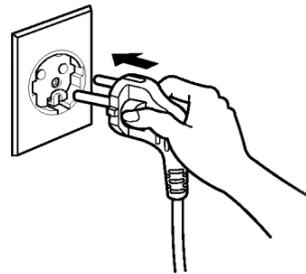
§ Preparation for Washing

1 Connect the water hose and then open the faucet.
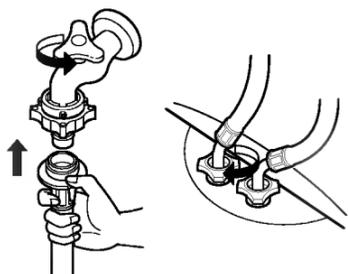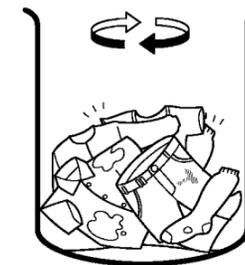
2 Lower the drain hose.

3 Connect the power plug to the wall outlet.

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Sensing laundry amount and displaying water level

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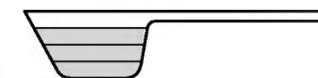
HOT   COLD
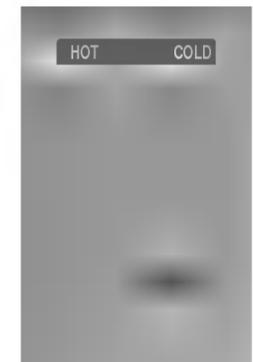
§ Example of deposition of detergent deposit based on the indicated amount.

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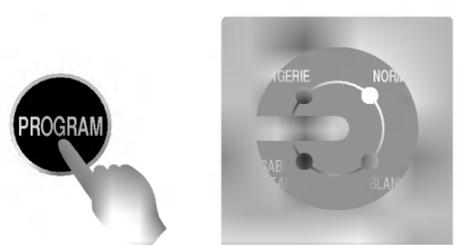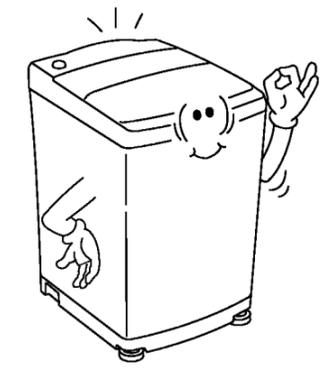 **(1 detergent cup: arround 40g)**

HOT   COLD

In case of tiny water level: concentrated detergent(3/4 cup).

- Regular(high-density) detergent uses 1.5 times as much as the indicated amount.
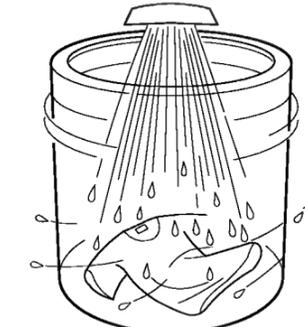
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What is the Softener Program?

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...

The first indication
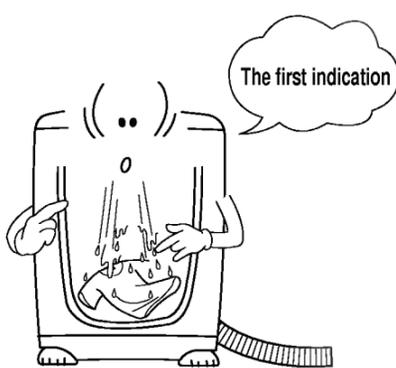
● When the water supply starts to rinse, boozer sounds 20 times to indicate the time to deposition the fabric softener.
● Now open the lid, deposit fabric softener and then close the lid. The rinse will start after the water supply is completed.

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)

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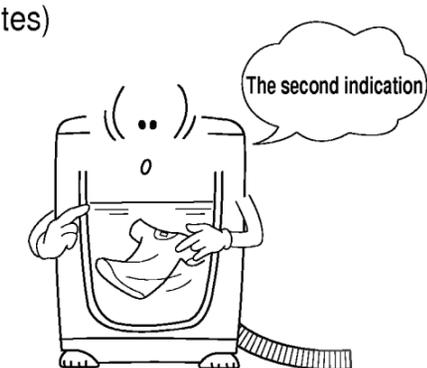
● If you did not deposit fabric softener during the first indication, deposit it during the second indication.
● If you deposit fabric softener and press the START/PAUSE button, rinse starts immediately(You don't have to wait for three minutes).
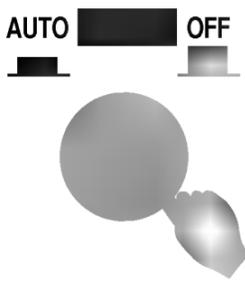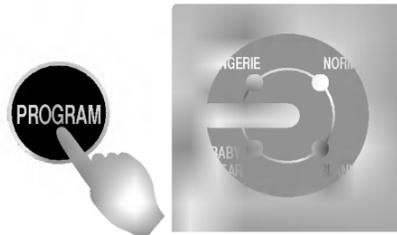
4 Washing is completed.

What is 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.

CAUTION

● LINGERIE 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.

Normal 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.

1 Press the power switch.

AUTO   OFF

2 Select the desired program.

PROGRAM

● Press program button to select either [NORMAL] or [NORMAL+SOFTENER].

3 Deposit laundry.

● For laundry with fragile buttons, etc., turn them inside out to prevent damage.

4 Press the START/PAUSE button.

START/PAU
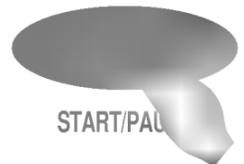
● The washer senses the amount of laundry and sets the water level.

5 Deposit detergent and close lid.

● 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.

NOTE

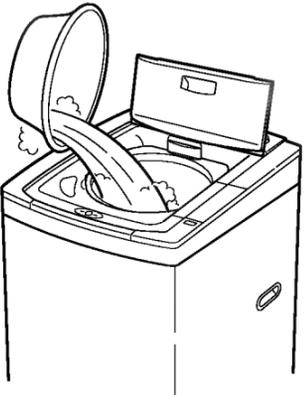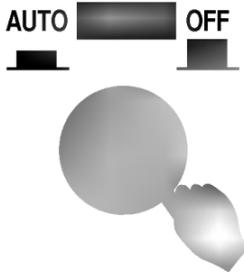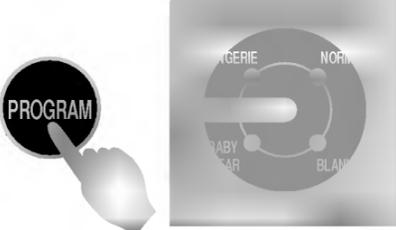**In Normal program.......**
● The washer senses the amount and kinds of laundry and sets the most appropriate water current, wash time, number of rinses and spin time by itself.
● While sensing the most appropriate water level, each water level lamp blinks in turn.

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

1 Deposit detergent.	**2** Deposit blanket.	**3** Press the power switch.	**4** Set to BLANKET program.	**5** Close the lid.	**6** Press the START/PAUSE button.
		AUTO · · OFF	PROGRAM		START/PAU
● Use the dissolved detergent in water about 30℃. ● Water level is automatically set to [EX-LARGE]. Deposit proper amount of detergent.	● After inserting blanket, press it uniformly for good washing results.		● 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.	● 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.

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).
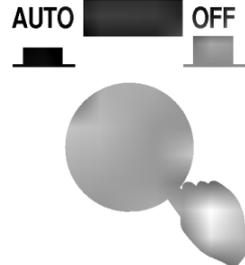
§ Note: In Blanket Program

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

Baby Wear Washing

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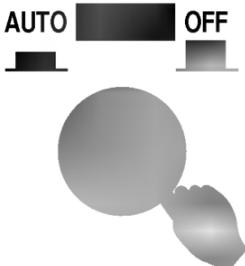Use this function to wash diapers or babies' wear.

1 Press the power switch.

AUTO | OFF

2 Select Baby Wear program.

PROGRAM

● Press program button and select either [BABY WEAR] or [BABY WEAR + SOFTENER].

3 Deposit laundry.

4 Press the [START/PAUSE] button.

START/PAUSE

● 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.

CAUTION
● 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].

Lingerie Washing

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

1 Press the power switch.

AUTO   OFF

2 Select LINGERIE program.
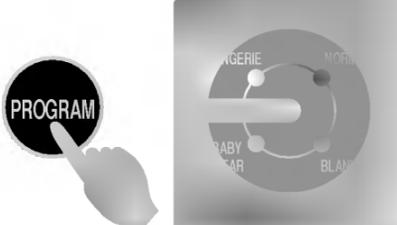
PROGRAM

● Press program button and select either [LINGERIE] or [LINGERIE + SOFTENER].

3 Deposit laundry.

● For laundry with fragile buttons, etc., turn them inside out.

4 Press the START/PAUSE button.

START/PAUSE
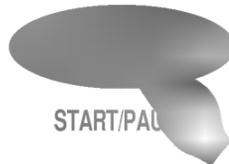
5 Deposit detergent

● Use proper kind of detergent according to the type of laundry.

6 Close lid.

● 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.

CAUTION
● Do not select SMALL or TINY 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.
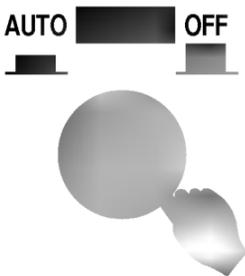● Since spin is 'weak' for LINGERIE program, water may drop even after spinning.
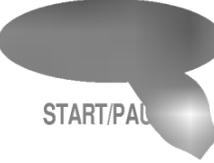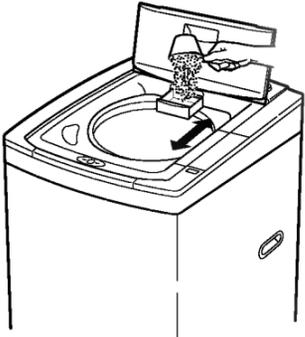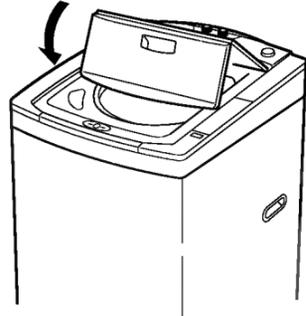
§ How to dry wool and lingerie clothes

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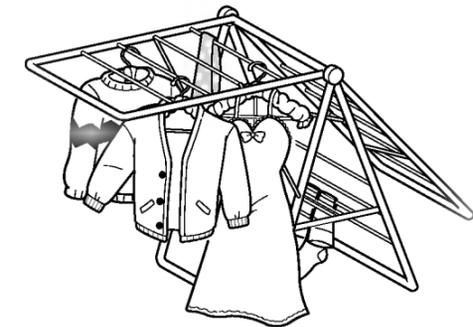
● Weak wrinkles after drying can be smoothed out by ironing.

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.

1 Press the power switch.	**2** Select a program.	**3** Set the time.	**4** Insert laundry and press the START/PAUSE button.	**5** Deposit detergent in the powder detergent box.	**6** Close lid.
AUTO OFF	PROGRAM	RESERVATION	START/PAU		
		● Press the RESERVATION button to set the time when the delayed washing is completed.	● Insert laundry and press START/PAUSE button. The washer senses the amount of laundry and displays the water level.	● Pull the powder detergent box forward and deposit displayed amount of detergent. Then, push back the box.	● 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.

§ How to set the delay time

Example : To complete washing in 9 hours(Time left until the completion of washing is 9 hours).

1 RESERVATION button

● Press the RESERVATION button and it will be lit on [6].

2 RESERVATION button

● Press the RESERVATION button again to set the delay time when you want to finish the delayed washing(9 hours).
● By pressing the button, it cycles [9 → 12 → 6 → 9].
● Up to 12 hours of delay is possible.
● When you want to manually select the wash time, number of rinses, water temperature, water level, wash power and program, press the RESERVATION button, and select them as you want. Then press START/PAUSE button.

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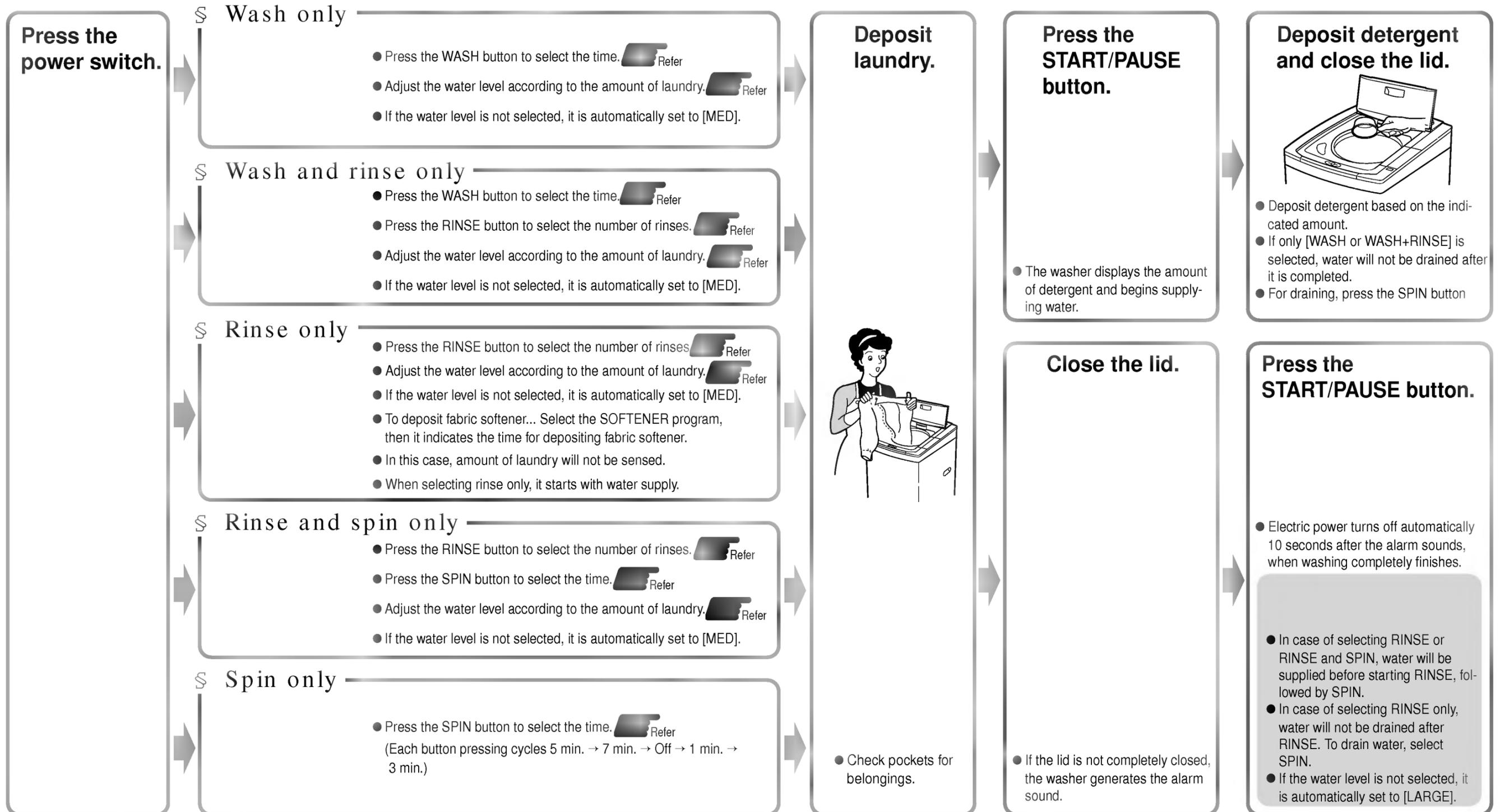
NOTE
How to wash when you go out
● When you cannot take the laundry out immediately after washing is completed, you'd better select wash and rinse only(In this case, do not select spin to prevent wrinkles).

Other Washing

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

Press the power switch.

§ Wash only

- ● Press the WASH button to select the time. Refer
- ● Adjust the water level according to the amount of laundry. Refer
- ● If the water level is not selected, it is automatically set to [MED].

§ Wash and rinse only

- ● Press the WASH button to select the time. Refer
- ● Press the RINSE button to select the number of rinses. Refer
- ● Adjust the water level according to the amount of laundry. Refer
- ● If the water level is not selected, it is automatically set to [MED].

§ Rinse only

- ● Press the RINSE button to select the number of rinses Refer
- ● Adjust the water level according to the amount of laundry. Refer
- ● If the water level is not selected, it is automatically set to [MED].
- ● To deposit fabric softener... Select the SOFTENER program, then it indicates the time for depositing fabric softener.
- ● In this case, amount of laundry will not be sensed.
- ● When selecting rinse only, it starts with water supply.

§ Rinse and spin only

- ● Press the RINSE button to select the number of rinses. Refer
- ● Press the SPIN button to select the time. Refer
- ● Adjust the water level according to the amount of laundry. Refer
- ● If the water level is not selected, it is automatically set to [MED].

§ Spin only

- ● Press the SPIN button to select the time. Refer
  (Each button pressing cycles 5 min. → 7 min. → Off → 1 min. → 3 min.)

Deposit laundry.

- ● Check pockets for belongings.

Press the START/PAUSE button.

- ● The washer displays the amount of detergent and begins supplying water.

Close the lid.

- ● If the lid is not completely closed, the washer generates the alarm sound.

Deposit detergent and close the lid.

- ● Deposit detergent based on the indicated amount.
- ● If only [WASH or WASH+RINSE] is selected, water will not be drained after it is completed.
- ● For draining, press the SPIN button

Press the START/PAUSE button.

- ● Electric power turns off automatically 10 seconds after the alarm sounds, when washing completely finishes.

- ● In case of selecting RINSE or RINSE and SPIN, water will be supplied before starting RINSE, followed by SPIN.
- ● In case of selecting RINSE only, water will not be drained after RINSE. To drain water, select SPIN.
- ● If the water level is not selected, it is automatically set to [LARGE].

Water Level and Amount of Detergent

Water Level	Amount of Water	Amount of laundry	Amount of Detergent	
			Concentrated	Regular synthetic
EX-LARGE	94ℓ	Less than 10.0kg	About 63g	About 94g
LARGE	74ℓ	Less than 5.5kg	About 49g	About 74g
MEDIUM	65ℓ	Less than 4.0kg	About 43g	About 65g
SMALL	56ℓ	Less than 3.0kg	About 37g	About 56g
TINY	41ℓ	Less than 1.2kg	About 27g	About 41g

● 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.

CAUTION
● 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

§ 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".

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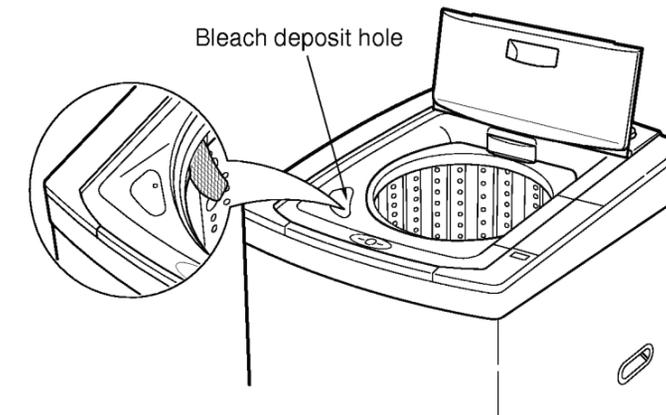
NOTE
● Do not deposit bleach directly into the laundry (The laundry may get discolored or damaged).
● Separately bleach colored clothes and synthetic textiles.

Proceeding of Washing Program ━

SOAKING function can be selected in every program(except lingerie program).
The following times for a washing program are based on a simultaneous supply of cold & hot water at the pressure of 2.5kgf/cm² and normal draining. Therefore, the time can differ according to water pressure and draining conditions.

Course	Auto water level setting	Wash	Rinse	Spin	Total time (min)
Normal		3-20min.	2 times ● Water supply rinse is only for the first rinse.	1-7min.	18-96min.
Baby Wear		3-20min.	3 times	1-7min.	20-96min.
Blanket		15min.	2 times	7min.	61min.
Lingerie		3min.	2 times	1min.	33min.

- ● Total time may become longer under a bad water supply and drainage condition.
- ● Total time may become longer when there is a larger amount of laundry.
- ● Remaining time will be reduced as washing is progressed.
- ※ In case of the SOAKING, total time is added to 80mm.

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 **LINGERIE** 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

§ **Wash power selection**

Strong	Heavily-stained clothes
Medium	Normally-stanied clothes, cotton, yam, synthetic fabric, thin clothes
Weak	Lightly-stained clothes

※ For LINGERIE 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	80min.	Heavily stained clothes
20	10-20min.	Heavily stained clothes, thick clothes
↕	10-20min.	Normal clothes, cotton, yam, synthetic fabric, normally-stained clothes, thin clothes
	10-15min.	
3	3-15min.	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**

Water supply rinse	Water supply rinse is only for the first rinse.
Rinse 4	Heavily stained clothes
Rinse 3	Normal clothes, cotton, yam, synthetic fabric, normally-stained clothes, thin clothes
Rinse 2	
Rinse 1	Lightly-stained clothes

§ **Spin selection**

7	5-7min.	Thick clothes
5	3-5min.	Normal clothes, light clothes, thin clothes
3	1-3min.	Soft clothes
1	1min. at low revolution speed	Clothes to be ironed, delicate clothes

※ For LINGERIE program, the tub turns very slowly and spins for a very short time (to prevent damage to clothes).
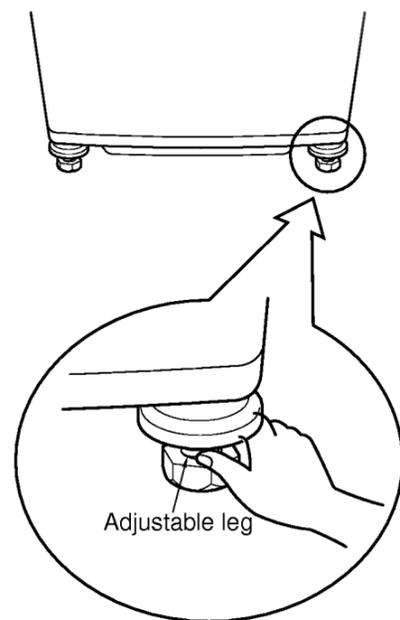
Installing the Washer

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.
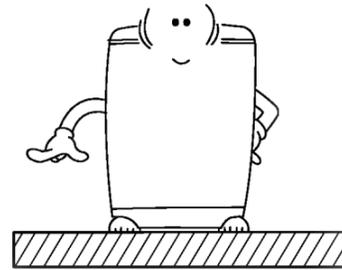2. Install the washing machine on a level and firm surface, any tilt should be less than 4°.

§ **How to adjust level**

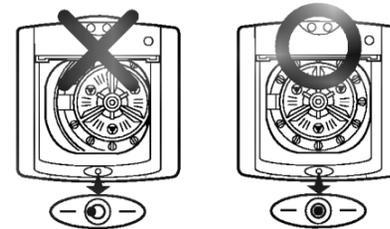Adjustable leg

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.)
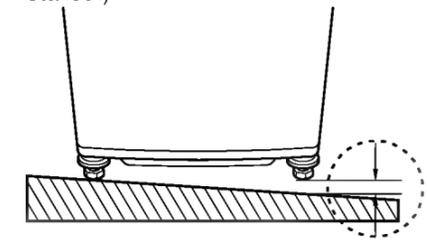
4 Horizontal setting

● 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.
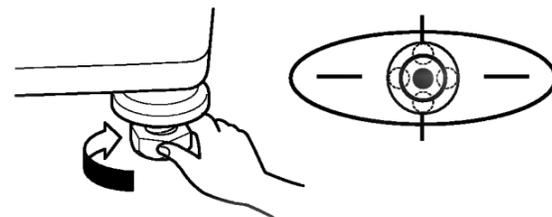
5 Confirming level

● 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.
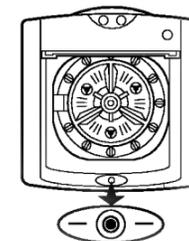
Distance between drain hose and the wall

● 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.

More than 2cm

More than 2cm

More than 10cm

§ **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.
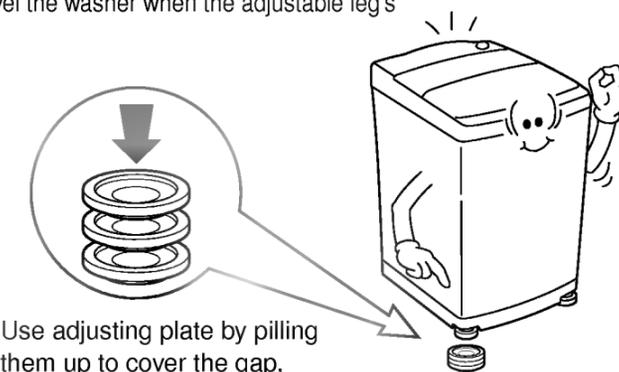
● Use adjusting plate by pilling them up to cover the gap, when necessary.

# Installing the Washer

§ How to connect the faucet connector

Guide ring
Rubber packing
Faucet connector
Middle connector
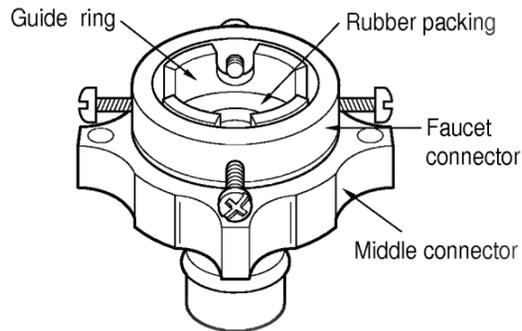
1 Disconnecting the middle connector from the drain hose
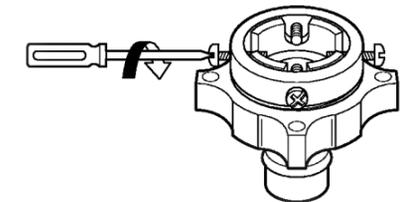- Push the connection coupling down as in the figure.

Connecting coupling
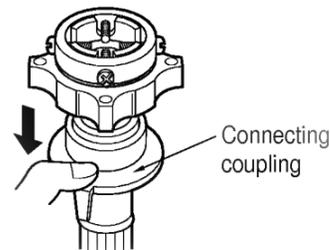
2 Disconnecting the middle connector from the drain hose
- Disconnect the water hose by pulling down the water hose while pressing down on the connection coupling.

Connecting coupling
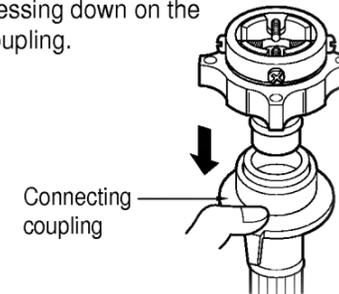
3 Loosening fixing screws
- Loosen the 4 fixing screws of the faucet connector to fit it on the faucet.

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 Fig. 3.

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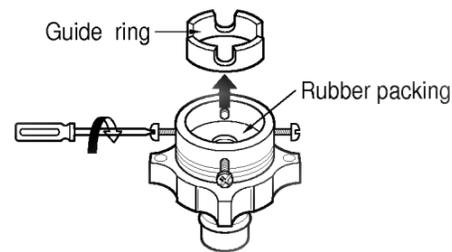
4 Push up the faucet connector
- Push the connector up to the faucet and make sure that the rubber packing inside the connector is completely attached.
- Check if the middle connector is half-tightened(4 mm).

Connector
About 4 mm
Check
Middle connector
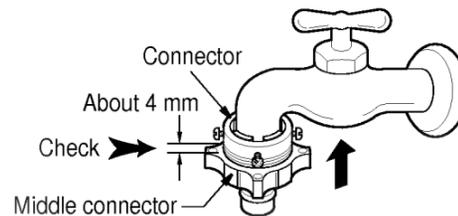
5 Fixing the connector
- While the rubber packing is completely attached to the faucet, slightly fasten 2 screws(facing the wall) to touch the faucet.
- If you cannot use a screw driver due to a narrow space, tighten the two screws(facing the wall) until they touch the faucet slightly and then insert.

6 Tightening fixing screws of the connector
- Tighten the two screws marked below, while pushing up on the faucet connector.
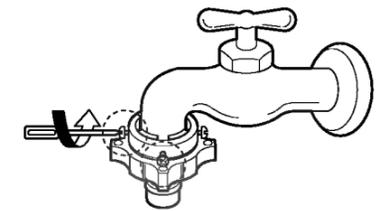
7 Tightening the middle connector
- Turn the half-loosened middle connector to the right(see no.4) and tighten it to make the length of the visible part of the screw threads less than 3mm.

Less than 3mm
Check
Middle connector
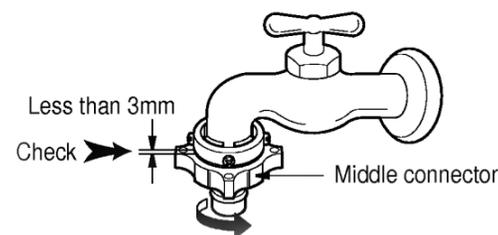
8 Connecting the water hose to the middle connector
- Push down the connecting coupling of the water hose from the middle connector.

Connecting coupling
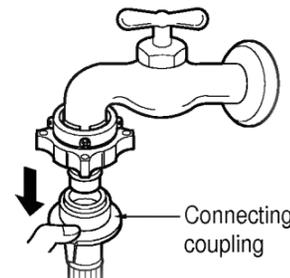
9 Connecting the middle connector and water hose
- Insert it to the middle connector and then let it go.
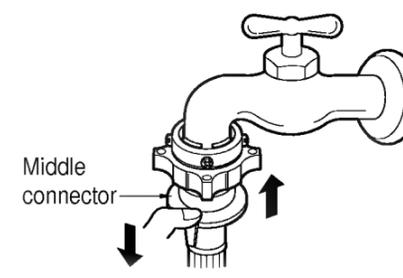
Middle connector

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
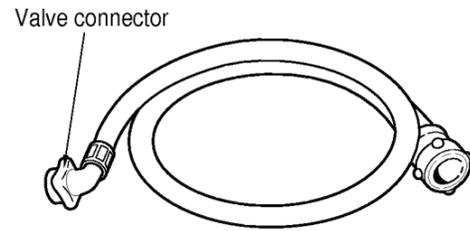
Valve connector

- 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.
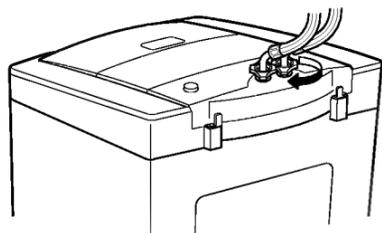- Water leaks without the rubber packing.

Valve connector   Rubber packing
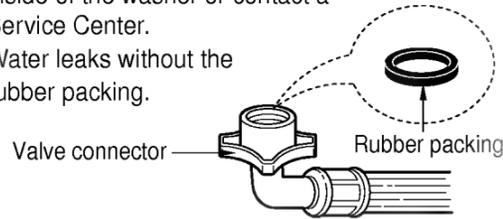
2 Checking colors

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

Orange color   Blue color
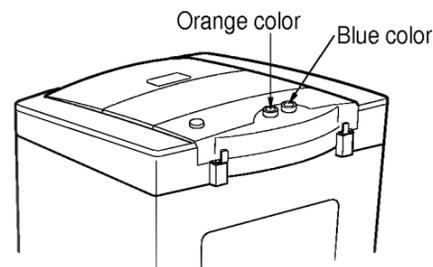
3 Connecting the valve connector to the washer

- Set the valve upright and then tighten completely.

4 Tightening the valve connector

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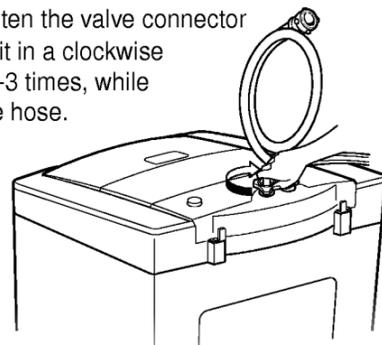
§ How to connect the drain hose

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

2 Push the hose clip to the body to tighten it as in the figure(Push the hose, making the hose clip be directed to the bottom).

Less than 6cm   The hose is clogged by alien substances.   Less than 10cm

Less than 2m
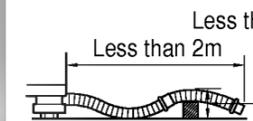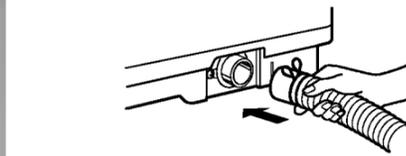
- The hose is placed over a doorsill.
- Make sure that the hose is not crushed.
- Make sure that the hose is not crushed between the wall and the washer.
- Avoid submerging the end of hose.
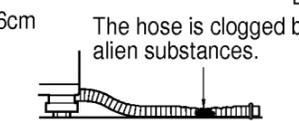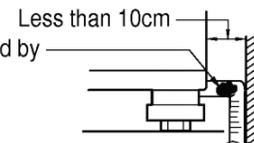
Curve

Less than 3m

The hose is clogged by alien substances.
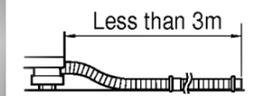
- Extension hose is used.
- Make sure that the hose is not curved. Curves may get alien substances stuck and disable drainage.
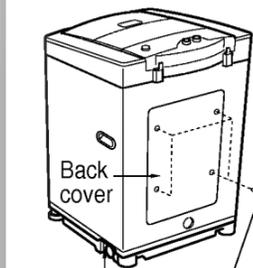
A   B   Drain valve connector
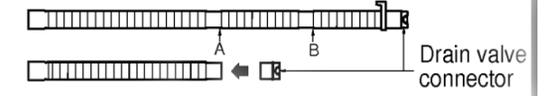
- When cutting the drain hose, cut A or B and insert the end of the hose into drain valve connector.

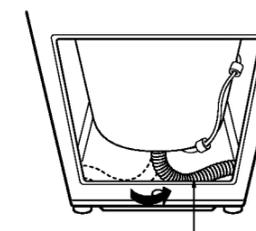## § How to change the direction of drain hose

- The drain hose is installed at the right side of the washer. To install at the other side, refer to the following method.

1 Untighten the screw securing the drain hose and 4 screws securing the back cover.
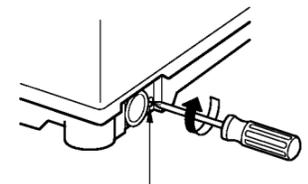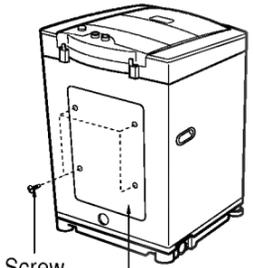
2 Change the direction of the drain hose to opposite side. Do not let the drain hose be kinked.

3 Tighten the screw to secure the drain hose (Make sure that the hose does not touch the case or other surrounding parts).

4 Reassemble the back cover.

Back cover

Screw securing the drain hose   Screw   Inner drain hose   Screw   Screw   Back cover

- Change the direction at the back of the washer. If you change it at the front, water may not drain.

Installing the Washer.

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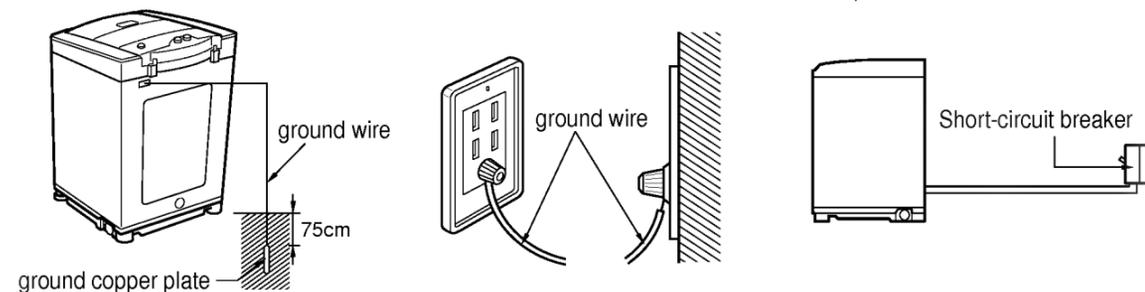Otherwise, it may cause electric shock!

When the fuse needs to be changed, contact a Service Center (It may cause electric shock).

§ How to ground

- If AC outlet with ground terminal is used, grounding is not need.
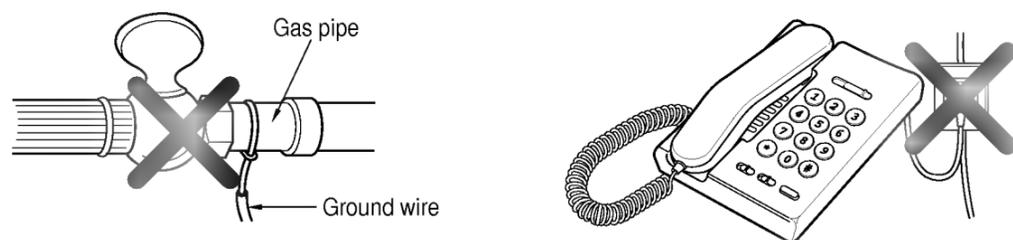
Out let
Ground Terminal

Grounding is not needed
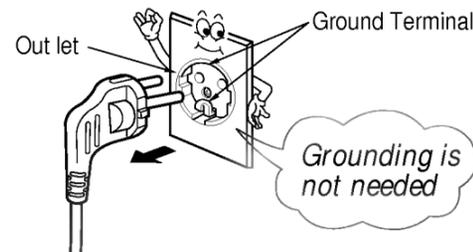
§ Other grounding method

- 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 break-er(15mA at operation, 7.5mA at idle) and connect it to the outlet.

ground wire

ground wire

Short-circuit breaker

75cm

ground copper plate

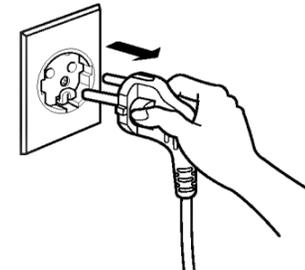## § Place where grounding should be avoided

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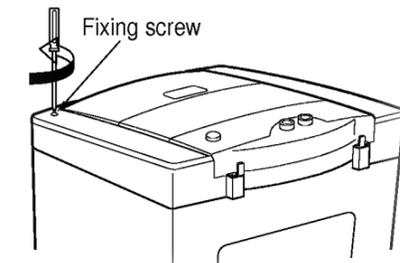- There is no ground effect in the plastic water pipe.

Gas pipe

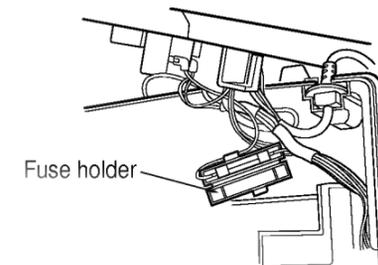Ground wire

§ How to change the fuse.
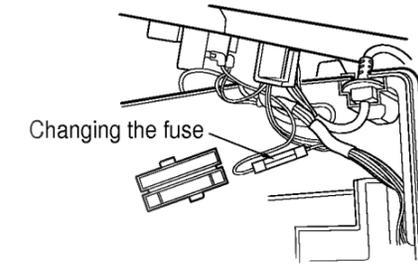
1 Disconnect the power cord.

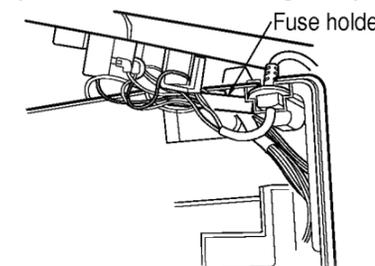**2** Turn the right fixing screw at the front of the washer to the left to loosen it.

Fixing screw

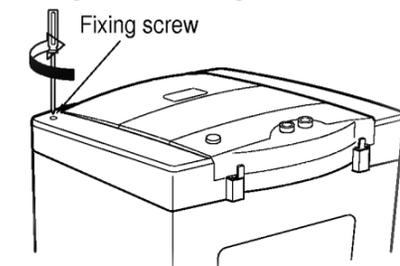**3** Pull forward on the right panel to open it. Take out the fuse holder.

Fuse holder

4 Remove the fuse from the fuse holder and change the fuse with new one.

Changing the fuse

5 Insert a new fuse into the fuse holder and put it back to the original place.

Fuse holder

6 Push back the right panel to close it and tighten a fixing screw to the right.

Fixing screw

CAUTION
- Use a fuse which meets the specifications. Fuse is available at Service Centers.
- Specifications: 110~120V : 125V, 12A
  220V~240V : 250V, 6A

Maintaining the Washer

When the water supply is bad, check substances like stone or sand inthe 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.
- Select cold & hot water and press START/PAUSE button. Let the washer operate for 5 seconds.
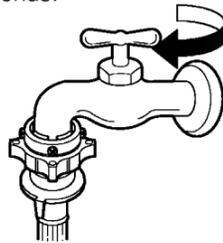
**2** Switch off the washer and disconnect the power cord.
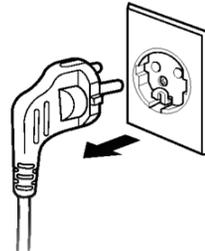
3 Disconnect water hose, and remove filter from the inlet valve by hand or with tools. Remove dirt with a tooth brush, etc.
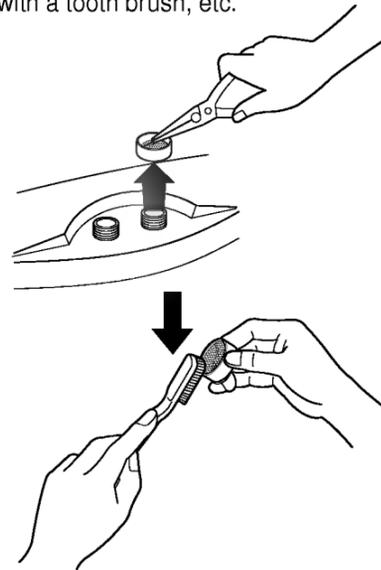
- Then insert it back into the water inlet.

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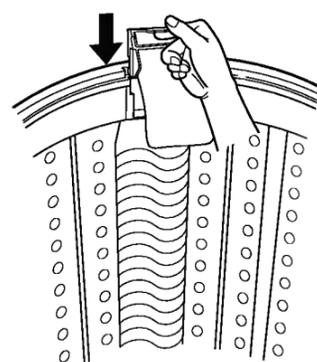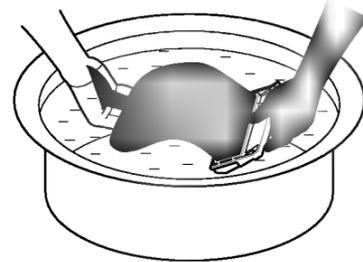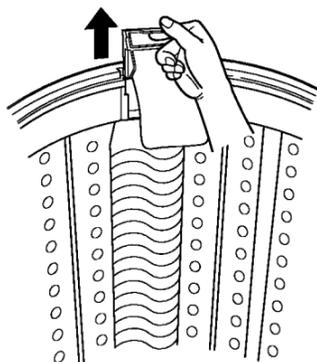
- When the lint filter is worn out, etc., contact a LG Service Center for a new one.

§ 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.
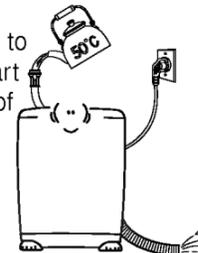
3 Unplug the power cord.
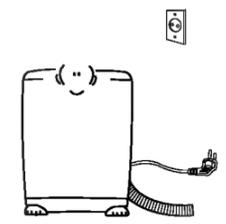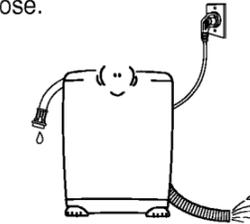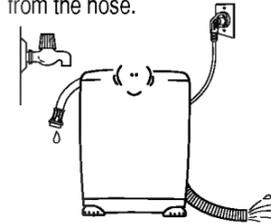
§ When frozen

1 Pour 50℃ of hot water on the faucet and remove the water hose.

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

3 Submerge the separated hose in 50℃ of hot water
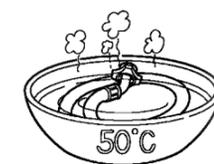
4 Connect the water hose to the washer and then start the washer. Pour 50℃ of hot water into the water hose.

5 Connect the water hose to the faucet and check if water is draining.
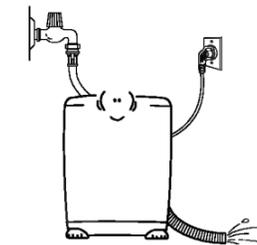
CAUTION
¢″ **Stainless steel inner tub won't be rusted.**
However, external rust may cling to it in the following causes:
- Metal product(like hairpin,etc,) that can be rusted is left inside the tub for a long time.
- Water with a lot of iron substance is used for a long time.
- Water or chlorine type 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 a abnormal symbol appears in the display window, check the following before asking for service.
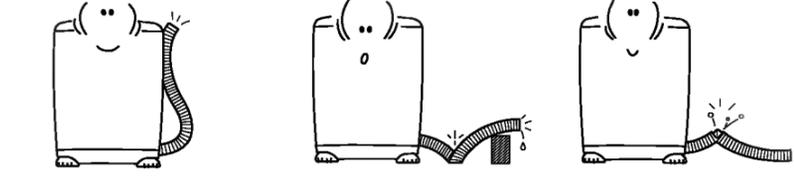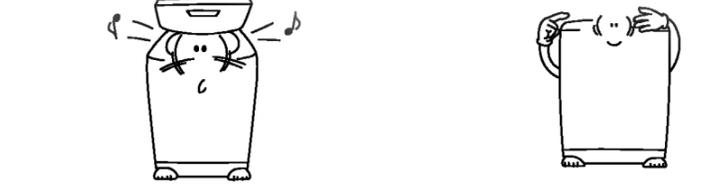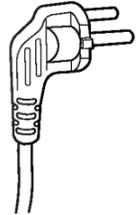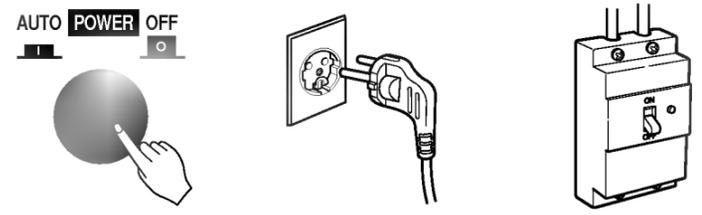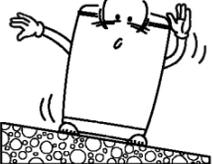
SYMPTOM	ITEM TO BE CHECKED
Abnormal faucet (At this time, the lamps of [WASH], [RINSE] blink.)	Abnormal Is the faucet closed? / water supply Is the faucet frozen? Is water supply discontinued? / Is the water pressure lowered or the filter clogged? / Is hot water selected when only a cold water hose is connected to the cold valve?(In this case, select cold water.)
Abnormal drainage (At this time, the lamps of [RINSE], [SPIN] blink.)	Is the drain hose lowered? / Is the drain hose bent? Is the doorsill too high? / Is the drain hose frozen?
Abnormal spin (At this time, the lamps of [WASH], [RINSE], [SPIN] blink.)	Is the laundry gathered to one side? / Is the washer tilted?
Opened lid (At this time, buzzer sounds without lamp indication)	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.

SYMPTOM	ITEM TO BE CHECKED
Abnormalevel sensing (At this time, [WATER LEVLE] lamp blink.)	Ask for service center
No power	AUTO POWER OFF Is the power switch pressed? / Is the power plug firmly connected? / Is power supply is correct? Is the short-circuit breaker closed?
No operation	START/PAUSE Is the lid closed and the START/PAUSE button is pressed? / Is the tub filled with required amount of water? / Is the faucet closed?
Excessive vibration and noise during spin	Is the washer installed on firm and level surface?
Water supply and rinse after pausing it during rinse or spin.	● It is normal, the washer is automatically correcting the laundry gathered to one side. ● No special action is needed.

Troubleshooting

Common Sense for Washing

§ How to remove stain

Stain	Method	Stain	Method
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, aceton) → 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, aceton)

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

§ 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.

How to Keep Clothes

§ After wearing

1 After wearing pants, spray water on knees and hip, then shake them lightly. The pants will be in good shape in the next morning.
2 When hanging pants, do not bend knees. Just hang upside down.

§ Maintaining leather clothes

1 Remove dirt with soft cloth.
2 Moisture can damage leather. Clean the leather with a special cream for leather.

§ Maintaining fur clothes

1 For lightly-stained clothes, clean with wet but tightly wrung out cloth or gauze soaked with benzole.
2 When fur is exposed to rain or snow, shake it to remove moisture, wipe it with a dry cloth and dry in a shady place.
3 When fur is pressed, shake it, spray a little bit of water, dry in a shady place and comb the fur in the opposite direction of the wave of the fur. Repeat the whole process again, when necessary.
4 When fur is worm-eaten, comb with a narrowly dented comb to remove eggs of worms and alien substances. Beat it with a rod and repeatedly rub the fur with cotton soaked with formalin. Dry it in a shady place for 30 min. and comb it again.
5 When keeping fur clothes, shake off dirt and hang it on a hanger specially designed for fur clothes. Put a cover with good ventilation and hang it in a spacious place.
6 The most appropriate temperature and humidity for keeping fur clothes is 15°C and 50-60% humidity, respectively. During rain season with higher than 66% humidity, often ventilize the fur.
7 Cover insecticide with a cloth and put it in the closet. Use one kind of insecticide, if possible.

How to Keep Clothes

Memo

Specification

910mm
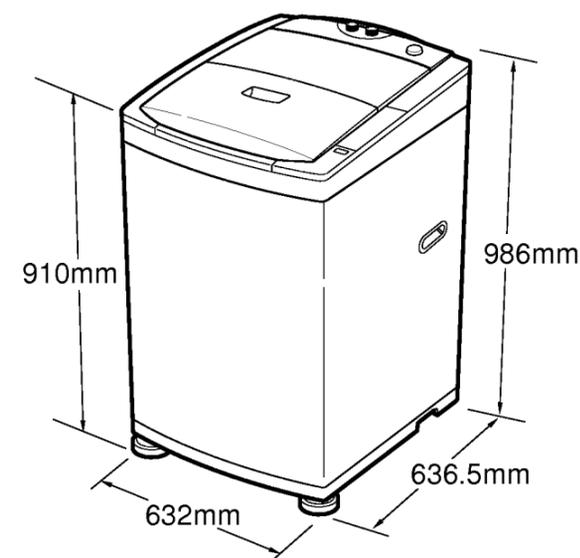
986mm

636.5mm

632mm

❏ Water pressure : 30~1,000kPa (0.3kgf/cm^2~10kgf/cm^2)

❏ Revolution speed of the wings : 125rpm

❏ Revolution speed of the tub : 680$^{\pm50}$rpm

❏ Weight : 48kg

❏ Dimension : 632mm(W) × 636.5mm(D) × 986mm(H)

❏ Standard water amount : 94 ℓ

❏ Standard water consumption : 260 ℓ (2 Rinses)

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