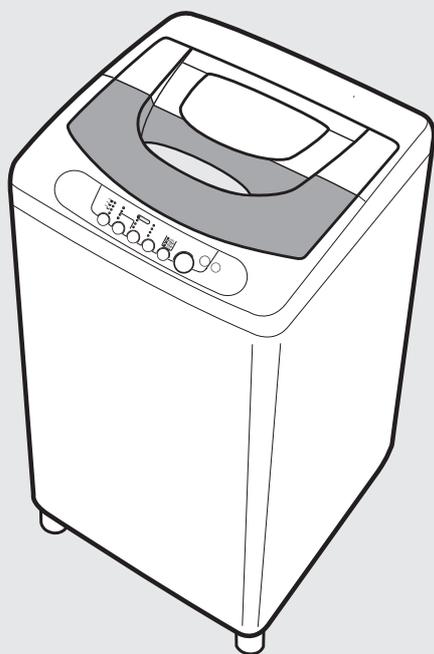


TOSHIBA

Leading Innovation >>>

FULLY AUTOMATIC
WASHING MACHINE

AW-7480EM



OWNER'S MANUAL

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Thank you for purchasing TOSHIBA Fully Automatic Washing Machine.

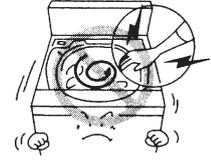
- Please read this manual carefully in order to operate the machine properly.
- Sometimes you may find some water remaining in the drainage hose at your first operation. This is caused by the production-line test and nothing to worry about.

WARNING

WARNING: This indicates an important item where incorrect operation may lead to injury or death.

Never attempt to touch laundry in the spin basket until the motion of the basket stops completely.

Laundry in the basket may become wrapped around the hand, even when the basket is only moving slowly.
Use particular caution when children are present.



Never operate washing machine by young children and infirm person.

This washing machine is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge unless they have been adequately supervised by a responsible person to ensure that they can use the washing machine safely.

Never allow children to look into the basket or play around the washing machine. Young children should be supervised to ensure that they do not play with the washing machine.

Do not place the stand or box near the washing machine.

Children may fall into the tub and get injured or drowned.



Never disassemble or modify the machine.

It can cause fire or electrical shock or malfunctions that lead to injuries.
Consult the store you bought the machine.

Use proper power source which indicated in the rating label of the machine.

It can cause fire or electrical shock.
Failure to use a proper power source may result in the electrical outlet becoming excessively hot, leading to fire.

Unplug the power cord from the electrical outlet before attempting to service the washing machine.

Do not handle the power cord with wet hands.
It can cause electrical shock or malfunctions that lead to injuries.

Never use damaged electrical cords or plugs or loose socket.

It can cause electrical shock or malfunctions that lead to injuries or fire.

Do not damage the electrical power cord.

Do not attempt to damage, cut, or modify the power cord, or subject it to excessive bending, pulling, twisting, or binding. Also, do not yank the metal portion, place heavy objects on the cord, or pinch the cord. Doing so may damage the cord, resulting in fire or electrical shock.

Do not install in a bathroom or in area exposed to the elements.

Doing so may result in electrical shock or shorts.

Do not allow water to come into direct contact with the various parts of the outer body.

Doing so may result in electrical shock or shorts.

Do not place flammable materials in the basket.

Do not put kerosene, gasoline, benzene, thinners, alcohols, or the like, or any laundry articles soaked in such materials, in the basket.
It can cause explosion or fire.

Wipe away any buildup of dust or grime on the prongs of the power-cord plug.

Buildup of dust or grime may cause fire.

Do not close the fire on plastic parts.

It can cause fire.

Make sure that water drains properly.

Using the washing machine with faulty drainage may cause water to back up within the machine, leading to electrical short or fire.

CAUTION

CAUTION: This indicates an important item where incorrect operation may lead to injury or material damage.

Do not pull the cord when unplugging the appliance.

Hold the plug body to unplug.

It can cause electrical shock or malfunctions that lead to injuries.

Do not use water with temperatures over 50°C.

Water that is too hot can cause malfunctions and deformation of the machine, which may result in electrical shock.

Do not attempt to wash or rinse waterproofed sheets, mats, or clothing.*

Doing so may cause abnormal vibration or injury during the spin cycle.

*: This includes raincoats, fishing gear (jackets and waders), ski wear, sleeping bags, etc.

Do not climb or place heavy objects on the washing machine.

Doing so may result in injury due to bending or breakage.

Pull out the power plug if you do not plan to use the machine for a long time.

Failure to do so may result in electrical shock or shorts due to deterioration of the insulation.

Do not place the hands or other objects under the washing machine while in operation.

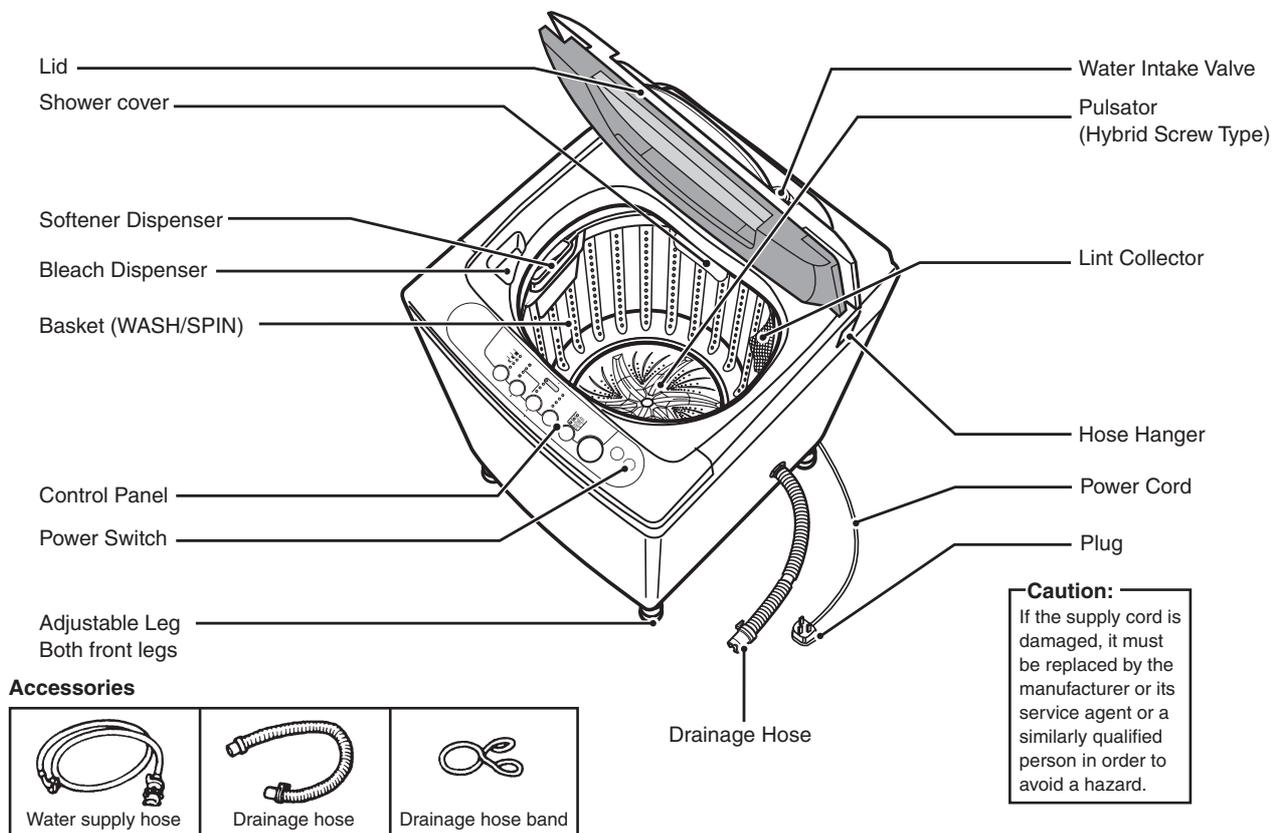
Moving parts may cause injury.

Before use, make sure the faucet is open, and the connection with water supply hose is not loose or leakage water.

Looseness of screws, hose connections, or other areas may cause water leakage or other damage.

The opening must not be obstructed by carpeting when the washing machine is installed on a carpet floor.

DESCRIPTION OF PARTS



Caution:
If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.

DESCRIPTION AND OPERATION OF PANEL PARTS

CHILD PROOF MODE DISPLAY

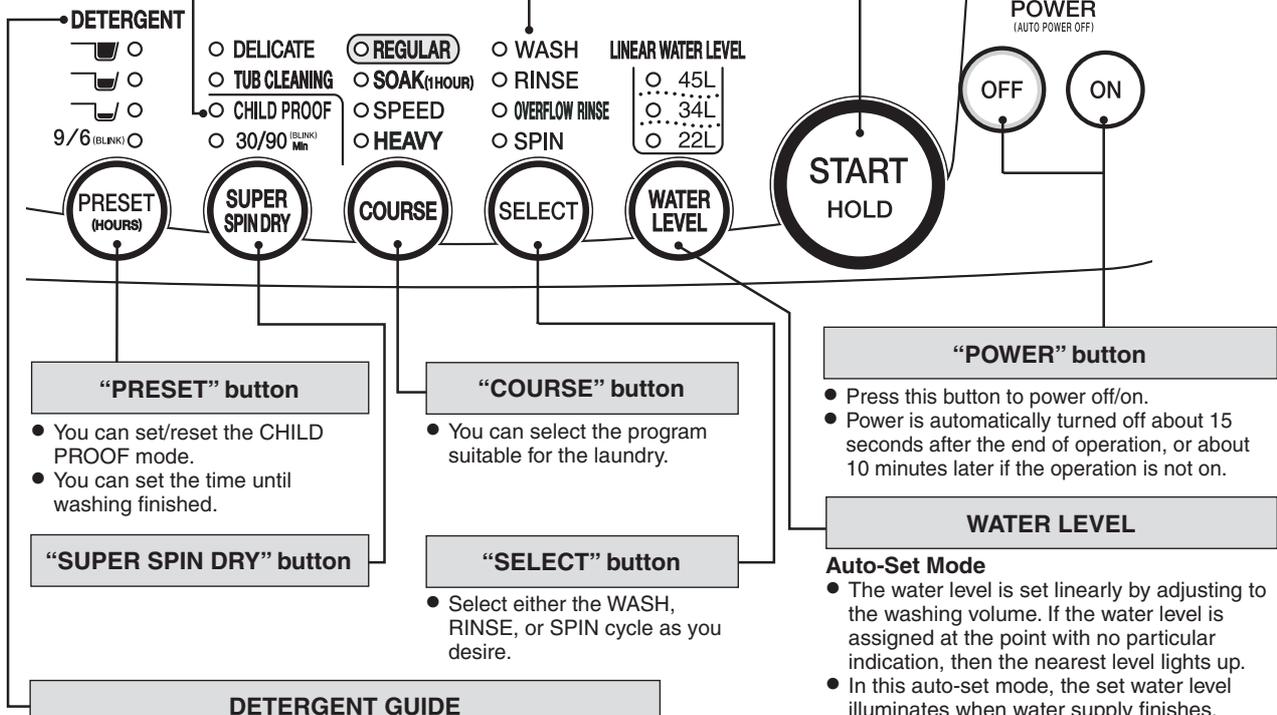
- Check this to see if the CHILD PROOF mode is ON (lit) or warning (flashing).

PROCESS DISPLAY

- Operating process is indicated by flashing. Remaining process is indicated by lightening.

"START/HOLD" button

- Press this pad when you want to start.
- Press this pad when you want to hold.



"PRESET" button

- You can set/reset the CHILD PROOF mode.
- You can set the time until washing finished.

"SUPER SPIN DRY" button

"COURSE" button

- You can select the program suitable for the laundry.

"SELECT" button

- Select either the WASH, RINSE, or SPIN cycle as you desire.

"POWER" button

- Press this button to power off/on.
- Power is automatically turned off about 15 seconds after the end of operation, or about 10 minutes later if the operation is not on.

WATER LEVEL

Auto-Set Mode

- The water level is set linearly by adjusting to the washing volume. If the water level is assigned at the point with no particular indication, then the nearest level lights up.
- In this auto-set mode, the set water level illuminates when water supply finishes.
- By pressing the "START/HOLD" button while water is in the wash basket, the highest water level lights up.

Button Setting

- By pressing the button, a desired water level can be obtained.
- Illumination shifts to the direction where the higher water level is indicated as the result of pushing the button.
- While using the "tub cleaning" program, the water level will be automatically at High and the button cannot be used.

DETERGENT GUIDE

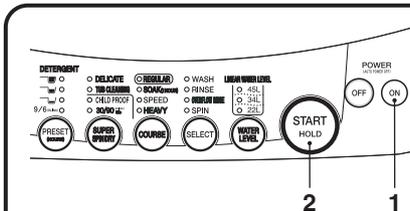
- The amount of supply using the measure spoon accompanying the compact detergent is displayed.



One spoonful of detergent denotes about 55L of water consumption

※ Depending on the kind of detergents, amount of water consumption by one spoonful changes. Adjust the detergent volume according to the particular detergent in use.

RESUME FUNCTION (POWER FAILURE RECOVERY)



If a power failure occurs during operation, the washer memorizes the remaining process. After the electricity recovers, you can resume it.

1 Turn the POWER on.

- ▶ The progress and course indicators of the remaining process will be flashing, and the buzzer sounds for 5 seconds.

2 Press the button.

NOTE • For "PRESET MODE", if the power failure occurs before the machine starts operating, the machine will cancel the preset time. Therefore, you have to reset the time.

- Press the button to clear the remaining process.

CHILD PROOF MODE (if you have small children)

CHILD PROOF mode

This model is equipped with CHILD PROOF mode. After this mode is set to ON, the washer will alarm you if the lid is opened during operation. **If you find accident such as falling of child into wash tub, please take necessary safety action urgently.**

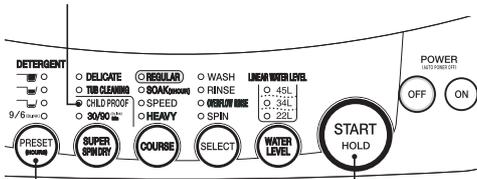
If there is small children who requires attention, set this mode ON.

WARNING: Pay attention to small children. Do not leave the lid opened. Do not leave the washer filled with water. Never allow children to look into the basket or play around the washer. Do not place the stand or box etc. near the washer.

HOW TO USE CHILD PROOF MODE

If the CHILD PROOF mode is set to ON and the lid is opened while the washer is in operation, it beeps the buzzer, stops water supply and stops wash/spin operation. If there is water in the tub, the washer drains water. (The buzzer keeps beeping alarming unexpected operation is happening).

CHILD PROOF INDICATOR



with pressing "PRESET" button

press "START/HOLD" button

If there is small child, set this mode ON.:

if this mode is set to ON and the lid opened during operation, the buzzer beeps, the indicator flashes, the washer stops water supply and stops wash/spin operation, and drains water from wash tub approximately 5 seconds of the lid opening.

- If the CHILD PROOF mode is set off temporary, do not forget to turn the CHILD PROOF mode ON again.
- When started operation with lid opened and the CHILD PROOF mode on, the washer will beeps and drains water.
- The washer memorizes the last setting of CHILD PROOF mode when powered off.
- The CHILD PROOF mode is set to "OFF" when shipped out from the factory.

TO SET/RESET CHILD PROOF MODE

TO SET CHILD PROOF MODE:

- 1 With pressing "PRESET" button, press "START/HOLD" to turn the CHILD PROOF mode on.

* Buzzer beeps and the CHILD PROOF indicator lights on. (Check the indicator lights on.)

TO TURN CHILD PROOF MODE OFF:

- 2 With pressing "PRESET" button, press "START/HOLD" to turn the CHILD PROOF mode.

* Buzzer beeps and the CHILD PROOF indicator turns off.

TO PUT ADDITIONAL LAUNDRY/ DETERGENT:

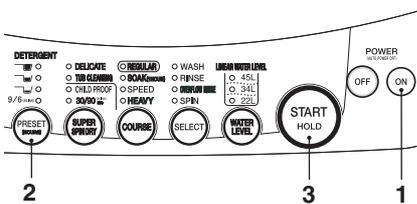
Open the lid, throw laundry/detergent into the wash tub and close the lid quickly. (The washer starts draining approx. 5 seconds after the lid opening.)

WHEN THE WASHER IS BEEPING AND STARTS DRAINING WATER.

Check for safety.
Press POWER button to OFF.

PRESET MODE

How to use preset mode



TO SET/RESET PRESET MODE

- Turn the POWER off when you want to delete memory. If you wish to change preset time, turn the POWER off. And then set to new preset time.

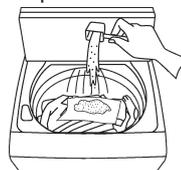
TO CONFIRM PRESET TIME

- Display preset time when you open the wash lid, or press PRESET button.
- Finished time is different between preset and actual time with water pressure and drain condition.

- 1 Turn the POWER on.
 - ▶ Put the laundry in the basket and select your favorite cycle or water level. Set the custom wash cycle.
- 2 Press PRESET button for preset time.
 - Change 9, 6 to off with pressing.
 - 9-hour is indicated by lightening.
 - 6-hour is indicated by flashing.
- 3 Press **START/HOLD** button.
 - Check to turn the water faucet on.
- 4 Put in the detergent according to the detergent guide and then close the lid.

POWDER DETERGENT

Spread a handkerchief on the laundry, and then put on the detergent not to spill from the handkerchief.



LIQUID DETERGENT

Pour the liquid detergent into the bleach dispenser.

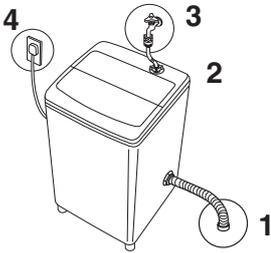
CAUTION

Cause by remained detergent as follows:

- Wet detergent.
- Wet clothes or put in detergent directly on clothes.

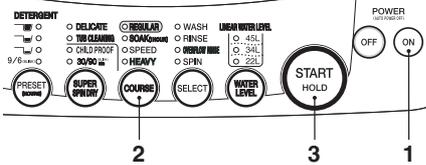
HOW TO OPERATE

Preparation



- 1 Set drainage hose for drain.
- 2 Set the water supply hose correctly.
- 3 Turn the water faucet on.
 - Make sure that there are no sign of water leakage at water tap or inlet valve.
- 4 Connect the power plug.

"REGULAR" "SOAK" "SPEED" "HEAVY" "DELICATE"



"REGULAR" cycle

Water level, water current and time are automatically selected according to the quantity and type of laundry detected automatically. Put the laundry evenly and confirmly. If it is not, the lower water level may be set.

"SOAK" cycle

This method is used to wash clothing which easily absorbs stain and clothes with noticeable stains.

- The time requirement is 1 hour.
- Rinsing is set to "OVERFLOW RINSE".

When you press **SELECT** once, "OVERFLOW RINSE" will be canceled.

"SPEED" cycle

It is especially for light soiled clothes. It washes with regular water current mode and shorter washing time.

"HEAVY" cycle

It is especially for heavy soiled clothes. It washes with stronger water current mode and longer washing time.

"DELICATE" cycle

This course is for delicate clothes such as blouse or lingerie to wash gently with very mild water flow.
Cloth Weight : 2kg or less.

- 1 Turn the POWER on.
 - Turn the POWER on, "REGULAR" cycle and "CONDENSED WASH" is selected automatically.

CONDENSED WASH

The washer starts flowing water at the low level to absorb the concentrated detergent into the laundry in order to remove the dirt efficiently.

- 2 Put the laundry in the basket.
 - In case of much laundry, soak the laundry completely in the water to prevent the splash on feeding water.
 - In case of selecting "SUPER SPIN DRY", please see page 7 for details.
- 3 Press **COURSE** button to select "REGULAR" "SOAK" "SPEED" "HEAVY" or "DELICATE".
- 4 Press **START HOLD** button.
 - The pulsator automatically detects the laundry amount, and indicates the amount of concentrated detergent suitable for the laundry amount.
- 5 Put in the detergent according to the detergent guide.
- 6 Close the lid.
 - If you start the lid opening, cycle stops before spin.
 - Avoid your finger caught when closing the lid.

Cycle end

The power turn off automatically.

- A "beep" sound will be heard when operation is finished.

* If you add the laundry during washing, be sure to press **START HOLD** button.

After stopping the basket, put the laundry in it.

* If the CHILD PROOF mode is set to ON, and the lid is opened while the machine is in operation, the buzzer beeps and the CHILD PROOF indicator flashes then the machine starts draining water.

If you wish to turn off the end buzzer sound

- You can turn off the buzzer sound.



With pressing



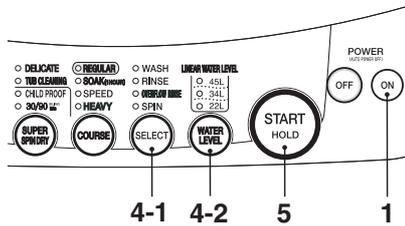
Press

- With pressing "COURSE" button, press to turn on the power switch. After buzzer beeps 3 times, the end buzzer disabled.
- As you reset, set the same way.

* Once you set it, the washing machine will remember the mode set, and no need to set each time.

HOW TO OPERATE

WASHING OF BLANKET



Type and amount which may be washed.

Single size

(140 cm x 200 cm or less)

100% synthetic fiber

type: Mayer, Tuft, Down cloth

Weight: 2.8 kg or less

- All wool blankets and regular electric blankets should NEVER be washed.

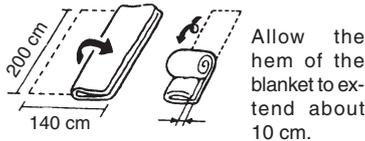
Washable electric blankets should be washed according to the washing instruction given in the user's manual that accompany them when purchased.

- If the blanket will not go into washing net because of fiber length or thickness, it cannot be washed.

Folding blankets

- Remove waste or thread from blanket.
- Fold the blanket in two lengthwise.

Fold it once again the same way.



Insert a blanket to the net

- Roll up the blanket.
- Roll the blanket up loosely except Mayer type blanket.
- Place the blanket into the blanket net hem-side first, and close the fastener.



Washing period may become longer with drainage condition.

- 1 Turn the POWER on.
- 2 Put the detergent and press the START button. Put the detergent amount matches for HIGH in spite of displaying detergent volume for LOW.
 - After operate 3 and 4 minutes and a detergent melts, cut the POWER off.
 - Do not use soap powder.
- 3 Put the blanket in basket.
 - Place the blanket in net and put into the basket with the fastenerside on top.
 - Dip a blanket in washing liquid sufficiently.
- 4 Set the regular cycle.

Press **SELECT** once to set to "OVERFLOW RINSE".

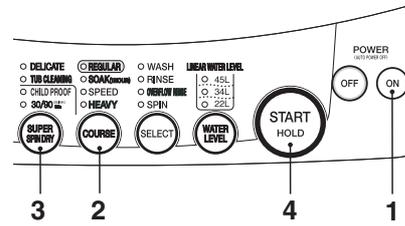
Press **WATER LEVEL** to set 45L water level.
- 5 Close the lid and press the START button.

Take the blanket out after washing completed.

- Open the blanket net fastener and put at the center of the blanket. Then take out the blanket from net.

SUPER SPIN DRY

When you need to dry clothes or shorten their indoor drying time.



The amount of laundry/once of spin

Less than 1.5 kg

Setting time for spinning

- You can manually set the time of spinning according to the following guide:

If you would like to shorten the time of drying clothes in the room: 30 min.

If you would like to dry the synthetic clothes: 90 min.

The clothes which cannot be performed spin drying

- "SUPER SPIN DRY" program will use a long time to spin with high speed and will stop every 30 minutes to loosen the laundry in the basket. Please do not spin the following clothes:

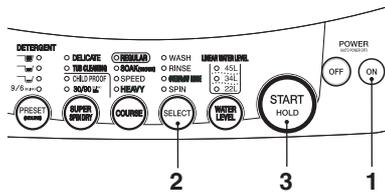
- Easily color bleeding clothes.
- Easily wrinkled clothes (e.g. blouse, 100% cottons, or shirts).
- Easily transformable clothes.
- Waterproofed clothes.

- 1 Turn the POWER on and put the laundry in the basket.
- 2 Press the **COURSE** button to select the program.
 - At the set of "TUB CLEANING" without "SPIN" cycle, you cannot select "SUPER SPIN DRY".
- 3 Press the **SUPER SPIN DRY** button and select the desired time.
 - 30 min. is indicated by lightening.
 - 90 min. is indicated by flashing.
- 4 Press the **START HOLD** button.
 - The pulsator will operate before the water is let into the basket. The washer will estimate the amount of laundry and display the detergent amount (while the lid is open).
- 5 Put the detergent as the display and close the lid.
 - If the lid is open during the operation, the washer will stop before washing and spinning.

After the operation: the buzzer will beep when the washer completes the operation.

- Turn off the faucet and clean the lint collector.

CUSTOM WASH CYCLES



You can select the operation that you want — such as spin only or rinsed water reuse.

"OVERFLOW RINSE" cycle

OVERFLOW RINSE cycle compared to normal washing, is one rinse more (total 3 times) and last rinse becomes overflow rinse.

- When set once, it is written in memory and starts with overflow rinse from the next time.

The process cannot be changed after pushing the START. Turn the POWER supply off and on in order to change course.

- Turn the POWER on.
 - Put the laundry in the basket and select your favorite cycle or water level.

2 Set the custom wash cycle.

Regular washing	WASH RINSE SPIN	<input type="radio"/> SELECT	<ul style="list-style-type: none"> WASH RINSE OVERFLOW RINSE SPIN 	Removing clothes without spinning to prevent wrinkling, or reusing the softener.	WASH and RINSE	<input type="radio"/> SELECT	<ul style="list-style-type: none"> WASH RINSE OVERFLOW RINSE SPIN
Rinsing perfectly at the regular washing cycle. At the RINSE cycle, the water is automatically added.	WASH RINSE OVERFLOW RINSE SPIN	<input type="radio"/> SELECT Press once	<ul style="list-style-type: none"> WASH RINSE OVERFLOW RINSE SPIN 	Washing the easily wrinkled clothes without spinning. Reusing the softener.	WASH RINSE OVERFLOW RINSE	<input type="radio"/> SELECT Press 7 times	<ul style="list-style-type: none"> WASH RINSE OVERFLOW RINSE SPIN
Re-using washed water. Melting a detergent	WASH only	<input type="radio"/> SELECT Press twice	<ul style="list-style-type: none"> WASH RINSE OVERFLOW RINSE SPIN 	Washing clothes with different soil separately and spinning.	WASH SPIN	<input type="radio"/> SELECT Press 8 times	<ul style="list-style-type: none"> WASH RINSE OVERFLOW RINSE SPIN
Performing rinse only for articles which have been washed. (Spinning will start before rinsing)	RINSE only	<input type="radio"/> SELECT Press 3 times	<ul style="list-style-type: none"> WASH RINSE OVERFLOW RINSE SPIN 	Performing rinse which have only been washed. (Spinning will start before rinse)	RINSE and SPIN	<input type="radio"/> SELECT Press 9 times	<ul style="list-style-type: none"> WASH RINSE OVERFLOW RINSE SPIN
Rinsing the washed clothes perfectly. (Spinning will start before washing.)	RINSE OVERFLOW RINSE	<input type="radio"/> SELECT Press 4 times	<ul style="list-style-type: none"> WASH RINSE OVERFLOW RINSE SPIN 	Rinsing perfectly and spinning only. (Spinning will start before washing.)	RINSE OVERFLOW RINSE SPIN	<input type="radio"/> SELECT Press 10 times	<ul style="list-style-type: none"> WASH RINSE OVERFLOW RINSE SPIN
Spin only for hand-washed articles. (Draining before spinning.)	SPIN only	<input type="radio"/> SELECT Press 5 times	<ul style="list-style-type: none"> WASH RINSE OVERFLOW RINSE SPIN 				
Draining water from the tub.	DRAIN only						

- Close the lid and press the START button.
 - To use drain only, leave the lid open.
 After error display appears, turn the power off.

If you wish to change the shower rinse to the static rinse

SHOWER RINSE CYCLE means during stirring, flowing water and rinsing are executed simultaneously.



When flowing water amount is small, the tank may not be filled up.

For the shower rinse, it needs twice for the process. But for the static rinse, it needs only once.

- Press ON button.

- Press the SELECT button and hold for 5 seconds.
 - The buzzer sound will be heard and the course will be set within 5 seconds. After that, turn off the washer.

NOTE • Never press ON and SELECT button in the same time.

- Follow this instruction for the shower rinse, and the buzzer sound will be heard.
- After the setting, the washer will keep the setting in memory. So it is not necessary to reset every time.

LAUNDRY GUIDE

Recommended detergent amount

- Put the laundry in the washer basket, push the START button, rotate the pulsator without water to detect the laundry amount. Then it indicates the amount of detergent required.

Example  Put 1 spoon of the detergent.

- Indicates one measuring spoon of the concentrated detergent is required.

The estimated amount of washing

Amount /spoon cup	Manual Water Level Setting	Detergent (Normal Type)		Softener	
		Powder	Liquid	Normal Type	Concentrated Type
	45L	Approx. 30g	Approx. 30mL	Approx. 30mL	Approx. 10mL
	34L	Approx. 23g	Approx. 23mL	Approx. 23mL	Approx. 7mL
	22L	Approx. 15g	Approx. 15mL	Approx. 15mL	Approx. 5mL

- The detergent amount differs with the type of the detergent.
- Too much detergent causes frothily or insufficient rinse.
- The water level slightly differs according to the particular type of laundry.

Caution

- The detergent spoon size may vary from different manufactures and the brands.
- If there is water in the basket before starting, the water level is set high without detecting the laundry amount.
- When the pulsator moves without water, there may be sound come from the clothes buttons. Don't worry about clothes damages. If it is necessary, put delicate buttons inside of the clothes to avoid damage.

When using liquid detergent and bleach

Liquid detergent and bleach

Pour liquid detergent into the bleach dispenser with watered down double.

Pour it into the bleach dispenser slowly, being careful not to split it, while the water fills for the wash cycle.

When using powered bleach, add it directly into the basket.

Caution

- Colored and dyed fabrics may lose their color if washed in bleach, so be sure to consult the instructions on the bleach container before washing.
- Do not apply chloric bleach directly to laundry items.
- Do not allow bleach to spill on the control panel. If you spill bleach, wipe it away.

When using softener

- Add softener to the softener dispenser at the top of the basket, and close the softener dispenser lid.
 - If the basket is situated so that filling with softener is difficult, turn the basket to counter-clockwise to a more accessible spot.
- Wash as described on page 5 ~ 7.
 - Softener will be dispensed automatically.
 - The amount of softener varies with the brands. Follow the instruction on the softener label.



Caution

- You cannot see the softener poured into the dispenser while rinsing. Because it moves to the three parts in the case for using the centrifugal force at spinning.
- Softener effectiveness is reduced when OVERFLOW RINSE is used.
- Do not open the lid while spinning. The softener dispensation timing will be thrown off and effectiveness reduced.
- Do not leave the washing machine idle for long periods while filled with softener.
- Pour the concentrate softener after watering down triple.

If you feel the water amount is less or much

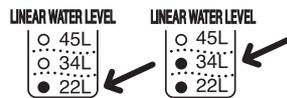
Water level is automatically set to suit the laundry amount. If you feel the water amount is less or much, you can adjust it by following.

If you feel the water amount is much.

If you feel the water amount is less.

Turn the POWER on with pressing WATER LEVEL button.

Adjust by pressing SELECT
Pressing 2 times (reduce 6L)
Pressing 1 times (reduce 3L)



Adjust by pressing START
Pressing 1 times (increase 3L)
Pressing 2 times (increase 6L)



Turn off the POWER. (Finished adjusting)

* Set it once, it is written in memory. You don't have to set it on each laundry.

MAINTENANCE

Lint collector

Clean the lint collector after every use.

- 1 Remove the lint collector by lifting it up.
When the machine has stopped in a place in which it is difficult to lift the lint collector out, turn the basket by hand to a more convenient place and remove the lint collector.



- 2 Remove the lint by turning the lint collector inside out.
- 3 Replace the lint collector.
 - In the event that the net is damaged, consult your nearest dealer.

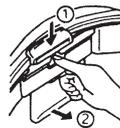


Softener case

Remove and clean after every ten usages.

Removal

- 1 Hold down the each.
- 2 And pull toward you.

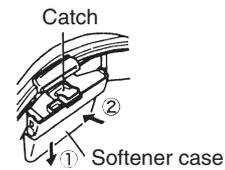


Caution

- Water in the case may freeze in cold weather. If this occurs, remove the case, immerse in warm water (less than 40°C) for 10 minutes, and replace after dried well.

Installation

- 1 Fit in the bottom.
- 2 Then press in the top until the catch catches.



Washing machine body and panel

Before performing any maintenance on your washing machine, be sure to remove the electrical plug from its power source.

The main body and control panel may be cleaned by wiping with a soft cloth soaked in water. (Hard-to-remove dirt may be cleaned by wiping with a soft cloth soaked in a mild detergent.)

Caution: Never clean the body or control panel with benzine, thinner, cleanser, or other chemical cleaners. Use of such chemicals can discolor or damage parts.

Cleaning the tub

"TUB CLEANING" course

The dirt from clothes or wastewater on the wash/spin basket will cause the smell or the problem of water draining. Such dirt from the washing process will then make the laundry dirty. If you are in such case, **please use "Tub Cleaning" program once a month.** Or in case the clothes have been starched, please use the "Tub Cleaning" program to remove the dirt of the starch from the basket.

- **Normally use detergent.**
- **The amount of detergent must be more than the guided Standard Detergent Amount.**
 - Do not use "Tub Cleaning" program continuously.
 - If there is a great amount of dirt inside the basket, you had better use the chlorine-type basket cleaner for the washing machine. Please follow the instruction labeled on the cleaner bag.

■ "Tub Cleaning" Process

Water Intake and stir	about 5 min
Soaking	about 20 min
Washing (Tub cleaning)	about 3 min
Draining water and spin	about 4 min
Water Intake and stir	about 5 min
Rinsing	about 3 min
Draining water and spin	about 1 min

- 1 Turn the POWER on.
- 2 Press the COURSE button and select TUB CLEANING.
- 3 Press the START button.
 - During the "Tub Cleaning" program, only the TUB CLEANING indicator will light on.
- 4 When the pulsator (spinning board) starts to spin, add the chlorine-type whitening detergent about 300 ml. to the basket.
 - Do not put any clothes in the basket during the "Tub Cleaning" program.
- 5 Close the lid.
 - If the lid is opened during the operation, the operation will stop before the draining and rinsing process.

Finish "Tub Cleaning" process.

- Beeping when the operation is finished.

INSTALLATION

Choosing an installation location

Install your washing machine in a level, stable place.

- It is dangerous to place the washing machine in an unstable location, since it may move during vibration.
- It will increase the sound produced by the machine when it vibrates during use.



Avoid place where the machine is exposed to direct sunlight.

- Plastic parts may become deformed or discolored.



When you move washing machine, hold the handles on the sides.

There are moving parts, electrical parts and steel plates which may cause electrical shock or injury.

- Never touch on the cabinet bottom by hands. Never lift at the cabinet bottom by hands.



Avoid places where the machine may become frozen during cold weather.



When the machine is covered.

Do not use the cover made of chloric vinyl. Sometimes it damages resinous parts and painted surface. When you use the cover made of chloric vinyl, put the cloth between the machine and the cover.

Allow a space of at least 5 cm from the sides and rear of the machine to the nearest vertical object.

- When placed too near to walls or other objects, the vibration of the machine during operation may cause them to shake.



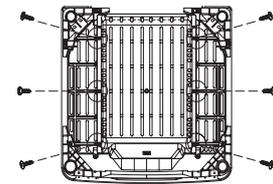
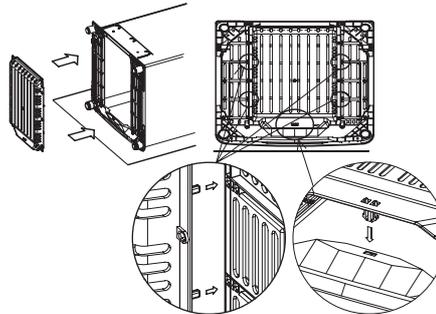
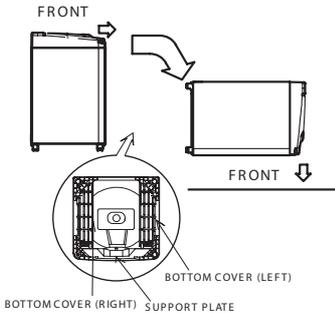
Installing the bottom cover

Put the bottom cover into the bottom of the washing machine, and fix the bottom cover with screws.

- 1 Lay down the washing machine on a flat object such as a corrugated board so that the front side is down.

- 2 Align the bottom cover with the taps of the hooks of the bottom cover left & right. (4 taps)

- 3 Fasten the screws on 6 positions.

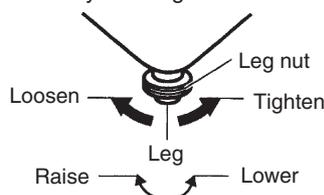


*The service technician will mount the bottom cover when installing the unit.

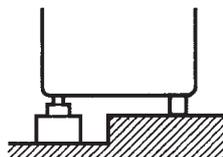
Installation

Adjust the legs so that the body of your washing machine is level. (The two legs are adjustable.)

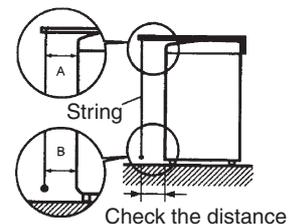
- 1 After loosening the adjusting nut, adjust the leg to the proper height by turning it. Then tighten the adjusting nut securely once again.



- 2 When the leg height is difficult to adjust because of floor slope or unevenness, place a board of sufficient thickness to prevent breakage under the affected legs to allow adjustment to a level position.



- 3 A weight attached to a string may be used to check to ensure that your washing machine is level. The distance is less than 1 cm between A and B



INSTALLATION

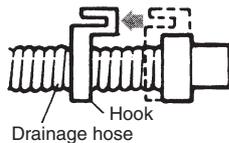
Installing the ground pin

- The ground pin in the plug should be connected to the proper point of the socket for grounding.

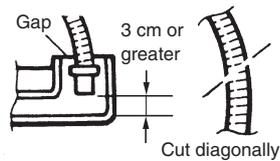
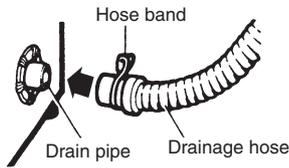
Installing the drainage hose

Moving the hook

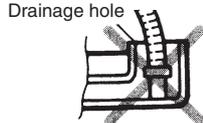
- When inserting the drainage hose into a wash pan or onto a drain pipe, the hook may be moved to facilitate the installation.
- When hooking the hose hook into the slot provided on the body of your washing machine, move the hook back to its initial position.



- Insert the drainage hose in as far as it will go, then use the accessory hose band to secure it tightly.
- Secure the hose tightly. An improperly secured hose may cause leakage.
- When attaching the drainage hose to a wash pan, etc., either leave a gap between the end of the hose and the adjacent surface, or cut the hose diagonally to ensure proper drainage.

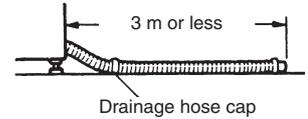


- ※ Allowing the flat end of the hose to come in contact with the flat surface of the washing machine will impair drainage.



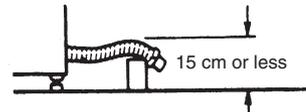
Drainage hose extension

- Pay close attention to the height of the drainage hose and articles over which it passes. If the drainage hose is too high, proper drainage may not be obtained.
- The length of the drainage hose may be extended to as much as 3 m if kept the same level.

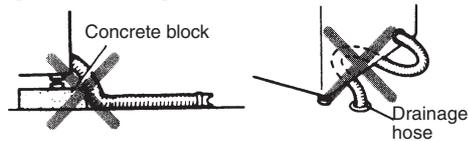


Caution:

- If the level of the threshold and the drainage hose is high, the washing machine may not be drained.



- Be careful not to rub the drainage hose. Do not insert the drainage hose under the washing machine. They may be damaged the drainage hose.

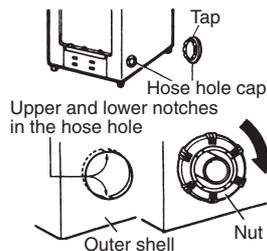
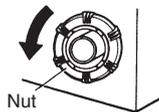


Moving the drainage hose

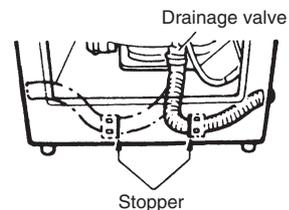
The drainage hose can be installed on either the right or left side.

The connector port for the drainage hose is found on the right side of the washing machine, but it can be changed without disconnecting the internal hose from the drainage valve.

- 1 Remove the back cover, then grip the stopper securing the internal hose with your fingers and pull it up.
- 2 Turn the nut for the drainage hose connector port counterclockwise.
- 3 Pull the internal hose from inside the washing machine to detach.
- 4 Remove the hose hole cap on the left-hand side, from inside the washing machine align the internal hose with the notch in the connector port and fit into place, then from outside put the nut in place and turn clockwise to secure.



- 5 Turn the stopper 180°C without removing from hose. Insert the stopper into the securing hole on the left side of the outer shell and press down to secure the internal hose.



- 6 Attach the back cover, and fit the hose hole cap over the hose hole on the right-hand side.
- 7 After moving the drainage hose, be sure to testoperate the washing machine, ensuring that there are no water leaks or unusual noises.

INSTALLATION

Attaching the water supply hose to the faucet

If you attach the water supply hose completely, it may cause a water leakage.

Faucet shape Wall-mounted faucets are best.

Wall-mounted shaped



Square faucet



The distance is needed 1.6 cm or more

Movable faucet



Multi-home faucet



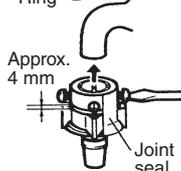
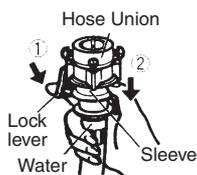
Caution

- The old inlet hose should not be reused.
- If the faucets are not suited, please contact your dealer.
- Do not connect the hot water supplying convenience.
- In order to provide a permanent source of water for your washing machine, it is suggested that a branching water pipe (available separately) be used.



Attaching the hose union

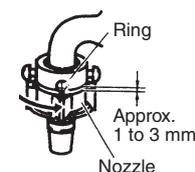
- 1 Push the lock lever of the water supply hose. Pulling the sleeve down, lower the entire hose to disconnect the hose union.
- 2 Check the diameter of the faucet. When the faucet mouth is large, loose the screws and remove the inside ring to facilitate attachment.
- 3 Loose 4 screws of the hose union, push the hose union to the water faucet.
- 4 Tighten the four screws evenly around the faucet. In this time check the gap is approx. 4 mm between the nozzle and the ring.



- 5 Remove the seal from the union and turn to the arrow destination the nozzle to tighten securely.

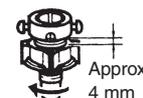
- 6 Check the gap is approx. 1 to 3 mm between the nozzle and the ring.

- If the gap is wide, it may cause the water leak.
- If it cause the water leakage during operation, tighten the nozzle more securely.



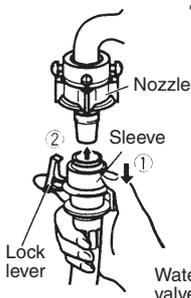
Caution

- If you attach the hose union again because of moving house etc., loose the gap is approx. 4 mm between the nozzle and the ring. Then attach it according above methods. They are preventable the water leakage.

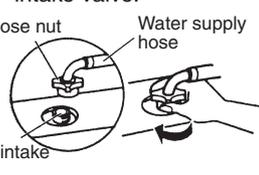


Connecting the water supply hose

- 1 Pull the sleeve down, then insert the water supply hose.
- 2 Separate the sleeve until a click is heard, then push it up.
- 3 Check to ensure that the lock lever is hung on the nozzle. Next, check to ensure that the water supply hose does not come off by pulling down on it.



- 4 Tighten the hose nut on the end of the water supply hose securely to the water intake valve.



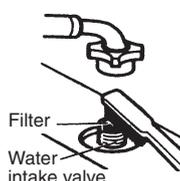
Caution

- Check to ensure that the water supply hose is properly installed by turning the water on and checking for leakage. If there is leakage, connect it from the first.
- If you remove the water supply hose after supplying water, water may splash. Refer to the following —“Removing the water supply hose”.

If the filling water becomes not good

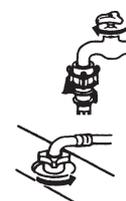
The water inlet may be blocked by foreign objects. Remove the water supply hose and clean the filter with a brush.

- If you remove the water supply carelessly, water may splash. Therefore, use the following procedure.



Removing the water supply hose

- 1 Turn the water faucet off.
- 2 Turn the power switch ON and press the START/HOLD pad.
- 3 After indicating the water level, loosen the hose nut of the machine top and remove it.



In case of water may freeze

Drain all water from the basket, drainage hose and water supply hose after using the machine.

If the water is frozen

- 1 Remove the water supply hose and pour in warm water (under 40°C).
- 2 Fill warm water (under 40°C) into the basket until the pulsator is completely covered. Leave it for 30 minutes. Then check to see whether the pulsator can be turned by hand.



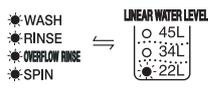
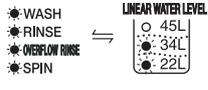
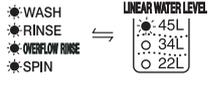
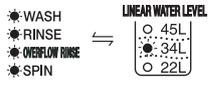
BEFORE CALLING THE SERVICEMAN

WHEN	CHECK	TREATMENT
does not operate	<ul style="list-style-type: none"> Is there a power outage? Is the circuit breaker or fuses cut off? Is the machine's plug properly inserted into an AC socket? Is the power switch ON? 	Please confirm whether a power failure or fuse breaker is cut. Then draw out power supply plug, insert once again and turn the power switch on.
making noise	<ul style="list-style-type: none"> Is there the inclination of the laundry? Is your washing machine installed on an inclined or uneven surface? 	Please correct the inclination or non stability of laundry in the washing machine.
	<ul style="list-style-type: none"> Are there match sticks, hairpins or metal objects being washed with the laundry? 	Remove them.
	<ul style="list-style-type: none"> Is there a foreign object caught under the pulsator? 	Remove the center screw, lift the pulsator out and remove the foreign object.
	<ul style="list-style-type: none"> Groan sounds during water supply. 	Water intake valve buzzes.
water leak	<ul style="list-style-type: none"> Is the faucet shape suited? 	Adjust the inside ring of the hose union or change faucet shape (Refer to p.13)
	<ul style="list-style-type: none"> Are the hose coupling and the nozzle loose? 	Re-attaching the water (Refer to p.13)
	<ul style="list-style-type: none"> Is the water inlet nut loose? Is the water supply hose connector clogged? 	Re-attaching the water supply hose (Refer to p.13)
	<ul style="list-style-type: none"> If you turn the power on and press START pad immediately, it may not beep the end buzzer. Is the end buzzer turned off? 	Reset the end buzzer sound to turn on referring to "If you wish to turn off the end buzzer sound. (p. 6)"

Error Indication List

In the case the buzzer sounds and the select display flash alternatively.

The display of "LINEAR WATER LEVEL" indicates the error condition as shown below.

WHEN	CHECK	TREATMENT
	<ul style="list-style-type: none"> Is the drainage hose properly connected to the machine? Is the drainage hose bent? Is the drainage hose laid down? Is the drain water frozen? Is the outlet of the drainage hose sunk in water? Is the drainage hose clogged? 	Open and close the lid once and then press the START button.
	<ul style="list-style-type: none"> Is there not the inclination of the laundry? Is your washing machine installed on an incline or uneven surface? 	Please repair the inclination of a washing machine and non stability of a washing machine. Then close the lid.
	<ul style="list-style-type: none"> Is the water faucet turned on? Is the water supply frozen or shut? Is the inlet net of the water intake valve choked with dust? 	Open and close the lid once and then press the START button.
	<ul style="list-style-type: none"> Is the lid opened? 	Close the lid.

BEFORE CALLING THE SERVICEMAN

The following are not malfunctions.

When:	Check:
The first time you use your washing machine, a small amount of water may drain out of the drainage hose.	<ul style="list-style-type: none"> This is merely water left over from the performance inspection performed on your washing machine before it was shipped from the factory.
During operation the control panel gets warm.	<ul style="list-style-type: none"> Because the electronic parts radiate heat.
The pulsator rotates bit by bit.	<ul style="list-style-type: none"> Because of preventing the laundry unbalancing, it rotates bit by bit.
During washing and rinsing, lamps flicker.	<ul style="list-style-type: none"> It is the cause of the power source wiring in a house. If fluorescence light is changed, it may improve condition.
During spinning, suddenly supplying the water or rinsing.	<ul style="list-style-type: none"> Because load unbalance occurred and safety switch operated. The spin will cycle resume after supplying water, rotating and correcting the unbalanced load.
Sloshing sounds of remaining water coming from your washing machine after SPIN cycle has been completed.	<ul style="list-style-type: none"> They are made by water retained by the machine for the purpose of maintaining balance and do not indicate malfunction.
Spin extraction is not enough.	<ul style="list-style-type: none"> Spinning rate of fully automatic washing machine is lower than that of twin tub washing machine. Sometimes spinning is uneven like thick parts of blanket.
After pausing the machine during the spin cycle, it will not start immediately.	<ul style="list-style-type: none"> There is a short pause before the machine begins to spin as the drainage valve opens sufficiently.
If it operates the machine at spinning on and off.	<ul style="list-style-type: none"> You may hear intermittent motor sound ("coon" sound) in spinning process occurs, this is a sound which occurs in order to control rotation, and not a malfunction.
After water supply shut off or water with iron rust appears.	<ul style="list-style-type: none"> Wait for water to become clean. Returning type bleach can be used (hydrohiter etc.) when iron rust has adhered to the white colored clothes. Avoid using the bleach for colored articles.
The buzzer does not stop.	<ul style="list-style-type: none"> If the CHILD PROOF mode is set to ON, and the lid is opened while the machine is in operation, the buzzer beeps. Check inside the washing machine. Press POWER to turn it off.

HANDLING METHOD FOR EMERGENCY

When the machine takes on abnormal operation, please disconnect the power plug and send it to our service agency for handling. Never disassemble the machine by yourself, for safety reasons.

SPECIFICATIONS

Type	Fully automatic washer	Rated period of operation	Regular cycle 43 min.
Washing system	Vortex type	Standard amount of water	45L high water level
		Standard water consumption	98L
Overall dimension	563 (Width) x 535 (Depth) x 920 (Height)	Rated capacity (Dry clothes weight)	6.5kg
Weight	27kg	Water tap pressure	0.03~1MPa

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