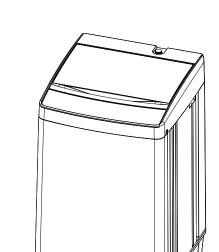
SHARP

ES-G90G

WASHING MACHINE

Operation Manual



It is most important that this instruction book should be retained with the appliance for future reference. Should the appliance be sold or transferred to another owner, or should you move house and leave the appliance, always ensure the book is supplied with the appliance in order that the new owner can get to know the functioning of the appliance and the relevant warnings. These warnings have been provided in the interest of safety. You MUST read them carefully before installing or using the appliance.

SHARP

SHARP CORPORATION OSAKA, JAPAN

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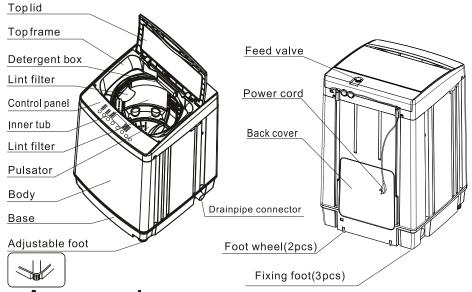
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Specification

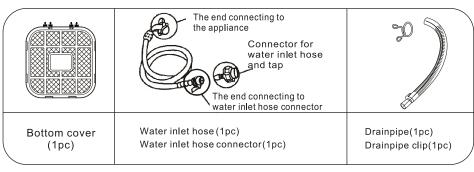
Model		ES-G90G
Rated capacity of wash and spin (Dry laundries weight)		9.0kg
Rated voltage and frequency		220V-240V~·50Hz
Water level / Water volume		10/70L 9/65L 8/60L 7/55L 6/50L 5/46L 4/42L 3/38L 2/34L 1/30L
Inlet pressure		0.03MPa~0.85MPa
- · · · ·	Wash	520W
Rated input power	Spin	330W
Weight		About 36kg
Dimensions		W580mm D587mm H950mm

Parts name

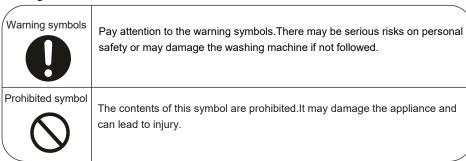
Before using



Accessories



Symbol definition





WARNING

Please insert the plug into the power socket with rated voltage 220-240 VA/C .





Always unplug the appliance and turn off the water when the power is cut, moving or cleaning the washing machine, or it is not in use. Do not insert or pull off the plug with wet hand.





Do not make the power cord bended, stretched, twisted, strapped or changed, pressed or nipped. If the power cord or plug is damaged or the socket becomes loose, they must be repaired or changed by our appointed service center after-sale to avoid danger. The pin of the plug must remain clean. Please clean it carefully with dry cloth if it is dirty.

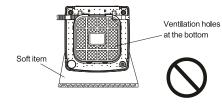




Don't install the washing machine in bathroom or damp places. Do not wash the machine with water, do not put wet clothes on the control panel film.



If the machine is situated on a carpeted floor, please adjust the feet in order to allow air to circulate freely.



Do not share the same socket with other electric appliances. Do not use the damaged plug or loose socket.

Do not use water hotter than 50° C.

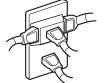




Do not wash raincoat, bike cover, feather dress and waterproof laundries, which will make the washing machine to have abnormal vibrations during spinning.

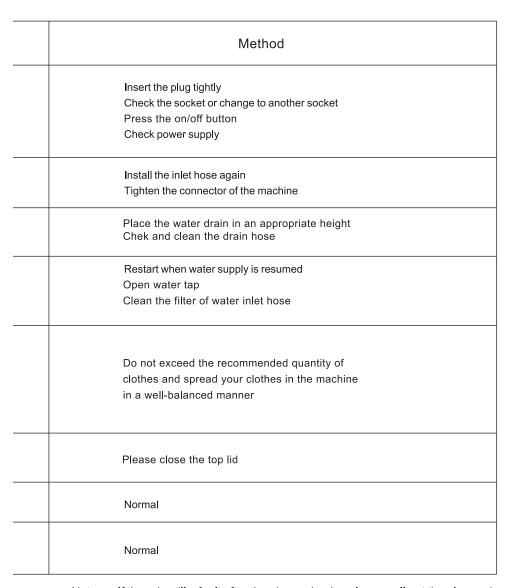












Notes: If there is still a fault after the above checks, please pull out the plug and contact the seller right away. It is dangerous to repair this product by yourself.

Common non-fault phenomenon

Before contacting the technicians, please make the following checks:

Phenomena	Possible reason
Machine control panel has no display	Plug is not inserted tightly No electricity in the socket Power switch is not turned on Power supply is cut off
Inlet hose leakage	Inlet hose connector(connecting with the tap)is not fixed tightly Inlet hose and washing machine connector is loose
Machine does not drain water	Drain hose postition is not appropriate Drain hose is bent or obstructed.
Machine does not receive water	No water supply Water tap is closed The water inlet hose is obstruct
Machine stop spinning and start filling water during spin program	Excessive or small amount of clothes are fill in the machine or the clothes are not place in a well balanced manner
Machine does not spin	Did not close the top lid when drainning completed Did not close the top lid when drainning start
Machine spin intermittently	No failure. The machine is balancing the clothes to reah optimum spin result
Residual water flows from the drain hose for first time use	No failure. That is residual water during factory product quality check process

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Cautions

Before using

Do not put hands into the working machine. It is dangerous even if the speed is very slow. Take special care of the children, and forbid them to climb on the washing machine.





It is dangerous to alter the specifications or attempt to modify this product in any way.





Do not overload the appliance or put any hot goods(such as the kettle with hot water)on the washing machine.





Garments which have been in contact with volatile petroleum products should not be machine washed.





Before washing, please ensure the tap is open and the inlet hose is installed properly.





Keep the appliance away from direct sunlight and heat sources like the heater.





This appliance 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 given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.





Notice

- Any objects such as coins, safety pins, nails, screws, stones or any other hard, sharp material can cause extensive damage and must not be placed into to the machine.
- It is suggested to use low foam washing powder.

Installation and adjustment Before using

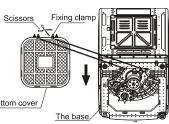
Please install and adjust the machine according to the requirements of the manual. Correct operation is very important for your safety.

Unpacking

- Unpack the carton and take out the bottom cover.
- Open the top lid of washing machine and take out all of the accessories.
- Remove all wrappers, including the polystyrene base. You are advised to keep all the packaging for reuse in case the machine is to be transported again.

Installing the bottom cover

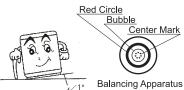
- Let the back of washing machine incline forward. make the side of bottom cover with sticker description Scissor back to washing machine, insert to the bottom of washing machine along the direction of arrow.
- Remove two fixing clamp by scissors, insert to the accordingly holes black lines indicating (gently pull fixing clamp should not be pulled out), make the Bottom cover bottom cover fixed on the base.



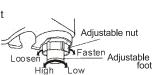
Positioning

The distance between the washing machine and the wall should be more than 50mm, and the maximum allowed angle of the shank base of the machine is 1°. The slanting or rough ground may cause operating stopped or unstable, please adjust it with the following methods:

 Horizontal checking To make the machine more horizontal and stable the bubble should be above the center mark



- Adjust the adjustable foot
- 1) Lift up the adjustable foot gently, loose the adjustable nut and twist the adjustable foot.
- 2) Fasten the nut after adjustment.



Common non-fault phenomenon

Others

1. Abnormal display

Display	Explanation	Settlement
E0	The top lid is opened when preset is started.	Close the top lid and clear up the alarm.
E1	After draining15minutes, it still does not reach to set water level.	Open top lid, according to before troubleshooting and settlement to settle it, then close the top lid and clear up the alarm.
E2	The top lid is open when spinning.	Close the top lid and clear up the alarm.
E3	Spin does not balance.	Open the top lid ,make the laundries place equally, then close it and clear up the alarm.
E4	After inlet 20 minutes still not reach to setting water level.	Open top lid, according to before troubleshooting and settlement to settle it. Then close the top lid and clear up the alarm.
E5 child-lock light flashing synchronously	The top lid is opened after setting child-lock.	Close the top lid and clear up the alarm.
F1	Water level sensor is wrong.	Turn the power off and leave it for 1 minute.
F6	Motor stalled failure.	After that, turn the power on again. If the same error is displayed, cut the
F-		power supply and call the technicians.

2. Imbalance adjustment

During spinning, if the laundries are not placed evenly in the tub, it would cause violent vibration. This machine has imbalance adjustment function, and the vibration testing system will supervise the running. Once vibration is beyond certain level, the adjustment system will start automatically to adjust the imbalance.

3. Power supply is cut off automatically

- 1) Press the power supply button and does not start the program in 10 minutes, the power supply will be cut off automatically.
- 2) After the washing is finished, buzzer will remind, the power supply can be cut off automatically.

4. Child lock function

- 1) If set child lock function, all the button will be locked (including POWER). If the top lid is opened during the washing machine working, the washing will be stopped and give an alarm. But if you can close the top lid in 5 seconds, the washing machine will stop alarm and continue working. If can not close the top lid in 5 seconds, the washing machine will begin draining if there is water in the inner tub (at this time, closing the top cover is invalid), alarm will be given every 10 seconds. Draining until safety water lever(about 5 cm), alarm will be given every 10 minutes(alarm is always given). When the draining is finished, the washing machine will be in the stare of washing, if close the top lid, the washing machine is unlocked and start working as previous setting.
- 2) Once child lock is set, if open top lid over 5 seconds during washing or rinse (there is water in the inner tub), washing machine will drain and give an alarm. If you unlock the function during draining, the washing machine will add water to setting water level and continue working.

Maintenance

Others

Maintenance methods

External cleaning

Clean the exterior cabinet of the appliance with soft cloth. Do not use cleanser, volatile chemical materials to clean the machine. which will damage plastic parts and the surface.



Clean water inlet valve

It is possible that the inlet filter net can be blocked by the dust, please clean it according to the follow steps

- 1. Close the tap and turn on the power switch.
- 2. Start the washing machine for 5 seconds (make the water in the inlet hose flows to the tub), and cut off the power supply.
- 3. Pull off the inlet hose, remove and clean the inlet valve and the inlet net, and install again

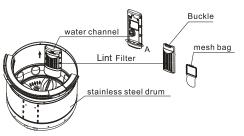


After the end of the programme

- The machine stops automatically ,and music buzzer will remind you to take out the laundries or start again.
- Once you have finished using the machine, you are advised to unplug it and turn off the water taps to avoid unexpected leak or fire.

Lint Filter Cleaning

• Lint filter must be used during the washing. It must be cleaned up in time after each use. Please follow below steps to clean up:



- I.Slightly press the buckle of the lint filter, pull the lint filter off the water channel, and remove the mesh bag from the lint filter.
- .Clean the lint box and mesh bag.
- 3.Attach the mesh bag to the lint filter, and then snap the lower part of the lint fiter into the three square holes on the water channel (Black circle in the picture A), put the lint filter into the water channel with a little force on the upper part of the lint filter.
- 1. Once you have using the machine, you are advised to turn off the water taps. (If necessary, pull out the inlet hose)
- 2. Do not keep water in tub for a long time. When washing is finished, drain it right away.
- 3. Once you have finished using the machine, you are advised to unplug it.
- 4. Put the electric cable and the drain hose in order.
- 5. Wipe the water on the surface and in tub with soft cloth and keep the top lid opening for a while. (about an hour) It helps to prevent mould and stagnant smells forming inside the appliance.

If the water in the inner tub has possibility to freeze, please do like below:

- 1. In winter, if remaining water freeze can cause the washing machine trouble. please take off the water inlet hose and drain out the water in the hose and inner tub.
- 2. If the water freeze, please don't operate the washing machine. Put 40°hot water in the tub, the hot water should submerge the pulsator, after a few minutes, rotate the pulsator by hand gently, then you can operate the washing machine.

How to use drain hose

Before using

Install

Set drain hose clip into the drain hose to 2-3cm (from the drain hose end that without pothook to set), then install the drain hose into the right drain hose connector and fix the drain hose and drain hose connector with the clip, after that put up the drain hose clip on the cabinet.

How to change the direction of the drain hose

.Take off the drain hose and drain hose clip from drain hose connector, put some soft mat on the floor, make washing machine front side adown and gently put down the washing machine front side on the mat. mount the screws on the back cover with screwdriver and take out the back cover. Demount one screw that fixed the drain hose connector(on right of the washing machine), loosen the drain hose connector.



Drain hose connector (Section sketch map for washing machine's right side)

3. Take out the drain gate stopper which is on the left of machine, the stopper is fixed on the base by two clicks. Install the assembled connector in the hole of the stopper, do not bent the drain hose.



Drain hose gate stopper.

(Section sketch map for washing machine's left side)

2. Extrude the drain hose with proper force and take out drain hose hoop(on right of the washing machine), make the the inner drain hose loosen.



(Section sketch may inside washing machine)

Pull the inner drain hose to another side, please do not make the inner drain hose distortion; as per foregoing description, fix inner drain hose with drain hose hoop. with one screw fix drain hose connector. install the drain hose gate stopper to another side, make washing machine standing gently, fix back cover with screw and install the drain hose and drain hose clip into the drain hose connector.

Water drainage

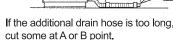
The drain hose should drain smoothly

- 1. The height of the drain hose should be less than 10cm, otherwise the drainage will not be smooth and need a long time to drain, the machine may stop during working.
- 2.Do not step on or press the drain hose.



Cut the front end of the drain hose slantingly to make drainage smoothly.





4. Purchase a proper hose if you need additional

drain hose. Its diameter should not less than

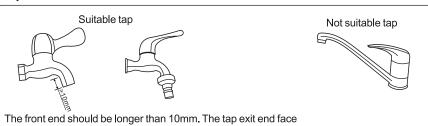
30mm and length should not exceed 1.5m.



Water inlet installation

Before using

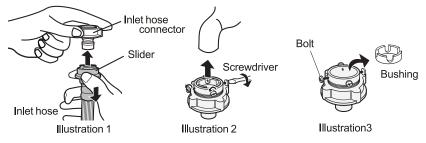
Tap selection



Connect the inlet hose connector to the tap

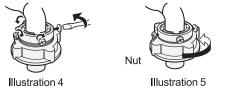
should be flat and smooth, if not file it to avoid leakage.

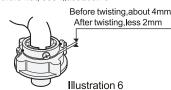
- Press down the slider and remove the inlet hose connector from the inlet hose, like below illustration 1.
- 2. Loosen the four bolts on the inlet hose connector till the tap can be accessed, then set the inlet hose connector in the tap, see illustration 2.(if the tap caliber is too large and could not set the inlet hose end, unscrew the four bolts and take out the bushing, tap exit end must be flat, otherwise it will leak, see illustration 3)



- 3. Fasten the four bolts in the inlet hose connector evenly, see illustration 4.
- 4. Twist the fastening nut as the illustration, see illustration 5.

Remark before twisting the nut, the threading is about 4mm above the upper surface of the nut, after twisting, the threading is less than 2mm above the upper surface of the nut, see illustration 6.





Additional functions

Operation

Soak function

Press and hold for 2 seconds

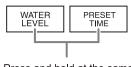


When you choose "Normal", "Speedy", "Air Dry", "Blanket", "Soft", "Baby" or "Delicate" program, you can use soak function before wash.

After selecting the program, press "WASH" key for 2 seconds to set soak function.

 When you set this function, the wash procedure can not be cancelled.

Child lock



Press and hold at the same time for 3 seconds

①.Before start

You can set child lock by pressing and holding "WATER LEVEL" key and "PRESET TIME" key at the same time for 3 seconds.

"CHILD LOCK" is displayed on the operation panel. Press "START/PAUSE" and the machine is locked. Press and hold these keys for 3 seconds again to unlock this function.

②.After start

You can set this function with the same way as ①, the machine is locked directly with the same way as ① to unlock this function.

Add water



During wash (including rinse), press "WATER LEVEL" key to add water as necessary.

Un-press will stop adding.

(This does not affect water level setting and water level indicator in the display.)

Or pause the washing machine by pressing "START/PAUSE" key, and press "WATER LEVEL" key to select water level, then press "START/PAUSE" key again.

When you reset higher water level than present:

The washing machine will add water to the setting level automatically and continue working.

When you reset lower water level than present:

The new water level will be valid in next water inlet.

Operation steps

Operation

Tub clean



• Do not put the clothing in the tub for this course.

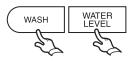
Put the washing machine cleaner in the washing tub.



Close the top lid and press "POWER ON/OFF" key.

PROGRAM

Press "PROGRAM" key to select the "Tub" program. "Soak" is displayed when the "Tub" program is selected.



Press "WASH" key, and select the washing time. $(2h \rightarrow 4h \rightarrow 6h \rightarrow 9h)$

Press "WATER LEVEL" key, and select the water level as necessary.



Press "START/PAUSE" key.

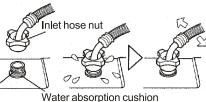
The washing machine starts to supply water, and displays the remaining operation time.

Water inlet installation

Before using

Connect the inlet hose to the washing machine

- 1. Do not take off the water absorption cushion. Please check if the cushion is dropped or damaged before each usage. If it is, contact the seller immediately.
- 2. Put the inlet hose nut on the inlet valve connector.
- 3. Fasten the inlet hose nut and swing it gently to make sure if it is suitable.



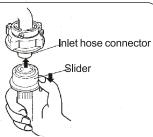
Inlet valve connector

Cautions: When install the washing machine, please use the newhose assy along with the washing

Connect the inlet hose connector to the inlet hose

- 1. Put the slider down and insert the inlet hose into the inlet hose connector.
- 2. Insert the hose firmly and the click sound is heard.

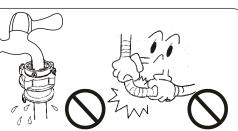
machine, old hose assy can not reuse.



Check the connection between inlet hose connector and the tap

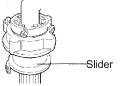
- 1. Swing the inlet hose gently to confirm if it is fastened.
- 2. After installation, open the tap and check if it leaks.
- 3. Do not bend the inlet hose with overstrain.
- 4. Before each usage, check the connection between inlet hose connector and the tap, and the installation of inlet hose.

Make sure they are firmly fitted to prevent dropping from improper installation position.



Dismantle the inlet hose

- 1. Close the tap.
- 2. If you use the washing machine more than once a week, there is no need to remove the inlet hose connector to avoid damaging the fixing screw.



Preparation before operation

Operation

Preparation before washing

- 1. Connect the inlet hose and open the tap.
- 2. This appliance must be earthed. Confirm the socket is earthed reliably and insert the power plug. The earth terminal should not link to gas pipeline, tap pipeline etc.



insert the

3. Put down the drain hose.

Warning: the temperature of the water should be less than 50 $^{\circ}$ C!

Before washing the laundries, please pay attention to the followings:

Make sure if there is special empty all pockets requirements for the laundries. which may have

Knot the long Before washing, band, fasten of small objects the buttons and close been left inside the zippers. (coins,keys,screws etc.).

Do not overload the machine. Load the laundry large items with small ones.

Sort the laundry according to the type of fabric, loosely alternating color-fastness and how dirty it is. Put thin laundries, woolens and such prone to wear and tear laundries into washing bag.









- A. Make sure the laundries are washable.
- B. It is essential to wash new colored items separately when washing for the first time. White items should not be washed with colored items.
- C. Please immerge the non-absorbable laundries by hand.
- D. Some stains such as fruit, wine, grass, rust etc. are difficult to remove and should be treated before washing with specific products, which can be found in most household shops. In some cases it may help to soak the stain before washing with a special pre-soak product or biological detergent.
- E. Overturn the nap fabric and long floss laundries before putting them into the machine.
- F. Do not put the laundries polluted by chemicals into the machine directly.
- G.Very small item (handkerchiefs, ribbons, socks etc) should be washed in a washing bag or a pillow case.

Operation steps

Operation

Spin only



Put the clothes in the tub, and press "POWER ON/OFF" key.

SPIN/ AIR DRY

Press "SPIN" key.

Press the key again to set the spinning time as necessary.



• Close the top lid properly.

Press "START/PAUSE" key.

When the washing is finished, the buzzer will alarm and the power supply will cut off automatically.

Operation steps

Operation

Basic operation



Put the clothes in the tub, and press "POWER ON/OFF" key.

2 PROGRAM

Press "PROGRAM" key to select the program as necessary.

When turning on the machine, the program is "Normal".

3



Change "WASH" / "RINSE" / "SPIN" settings as necessary.

4



Select the appropriate water level according to your laundries quantity as necessary.

5

• Put in detergent as required, and close the top lid properly.



Press "START/PAUSE" key.

When the washing is finished, the buzzer will alarm and the power supply will cut off automatically.

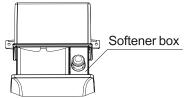
Load laundries

Operation



- The capacity of washing and spinning of the machine refer to the largest weight of the standard laundries under dry condition .Washing quantity shall be lower than the rated capacity. The maximum capacity of this machine is 12.0kg for ES-F120G and 10.0kg for ES-F100G.
- Different thickness, size and type of the laundries will influence the actual washing capacity. It is suitable that the laundries can be turned around normally during washing.
- Do not select high water level when laundries are less than 1.5kg to avoid water splashing.

Use of detergent



pls put the needed washing power in the detergent box and softener in softener box evenly

How to use bleach

- Fill water to the selected level, dilute the bleach in the container, and pour itslowly into the washing tub.
- Do not use bleach for colored or figured laundries as they are prone to lose colors.
- Do not put bleach to laundries directly.
- Refer to the manual for the usage and quantity of the bleach.
- Please dissolve powderbleach before use.

How to use softener

• The machine automatically adds the softener to the inner tub during the last "rinse" process.

How to use the washing powder

- Dissolve in the machine directly (not suitable for preset program)
- Low water level.
- 2. Add the washing powder, and run for 30 seconds to dissolve it completely.
- 3. Put laundries in, select suitable water level.
- The instant dissolving of the washing powder
- 1. Prepare warm water of 30 °C in a container.
- 2. Pour the powder while stirring to fully dissolve it.
- The washing powder is more prone to pollute the laundries than the detergent, therefore, please use it with proper quantity.
- Washing powder with poor quality or not used for a long period may get blocked, please clean the detergent box in time.

 Remarks: avoid splashing of water and waste of washing powder, water level should not be too high if laundries are too small.

Control panel instructions

Operation

Control panel / Display



	- 4	(Sitori	
SOAK (PRESS 2 SEC.)		CHILD LOCK (PRESS 5 SEE)	
POWER ON/OFF	Plug the machine in and then press this key, the machine will turn on. Press this key again, it will turn off.		
START	Press this key after turning on, the selected program will start. Press this key again, the operation will pause. Press it once again, the operation will resume.		
PROGRAM		elect the program. elect the program from below according to the kind of dries.	
	Normal	Wash normally soiled everyday clothing.	
	*Speedy	Wash speedily lightly-soiled clothing.	
	Eco	Wash daily clothing with saving electricity and water.	
	Jeans	Wash sturdy and heavy-soiled clothing.	
	Air Dry	Program for reducing the time to dry. After spinning, blow air to clothing in the tub to reduce the time to dry in the shade greatly.	
	Blanket	Wash strongly for blankets or heavy clothing.	
	Soft	Wash lightly-soiled clothing or small amount of clothing.	
	Baby	Wash gently and rinse thoroughly for baby clothing.	
	Delicate	Wash gentle like hand washing.	
	Tub	Clean washing / spin drying tub. (See "Tub clean")	

The nominated program *Speedy is recommended for normally soiled load equal to the rated capacity in the product literature.

Control panel instructions

Operation

Control panel / Display



- When turning on the machine, the digital timer shows "--".
- If select "Air Dry" program, the digital timer displays the air dry time, unit is MIN.
- When washing, the digital timer shows the remaining operation time, unit is MIN or Hour.
- When the preset time is set, the digital timer shows the preset time, unit is HOUR.
- When the trouble occurs, the digital time shows the trouble code.

PRESET TIME	Press to set the preset time. You can select the time from 2-24 hours.
WATER LEVEL	Press to select the water level or add water in the tub during wash. (See "Add water".)
	Displays the water level.
INLET WATER	Blinks during water supply.
REMAIN	Displayed for the remaining operation time.
PRESET	Displayed while setting the preset time or until the preset time comes. You can see the details of preset program by touching PRESET TIME until the preset time comes.
CHILD LOCK	Displayed when child lock is set. (See "Child lock".)
SPIN/ AIR DRY	Press to select the spinning time. (9 min. / 7 min. / blank / 5 min. / 3 min. / Soft spin) Default setting depends on each program. When selecting "Air Dry" program, you can also change the time to dry by pressing this key. (30 min. / 60 min. / 90 min. Default setting: 30 min.)
RINSE	Press to select the rinse times. (4 times / 3 times / 2 times / blank / 1 time) Default setting depends on each program.
WASH	Press to select the washing time. (20 min. / 15 min. / blank / 12 min. / 9 min.) Default setting depends on each program. You can turn on/off the soak function by pressing this button for 2 seconds. (See "Soak function".)