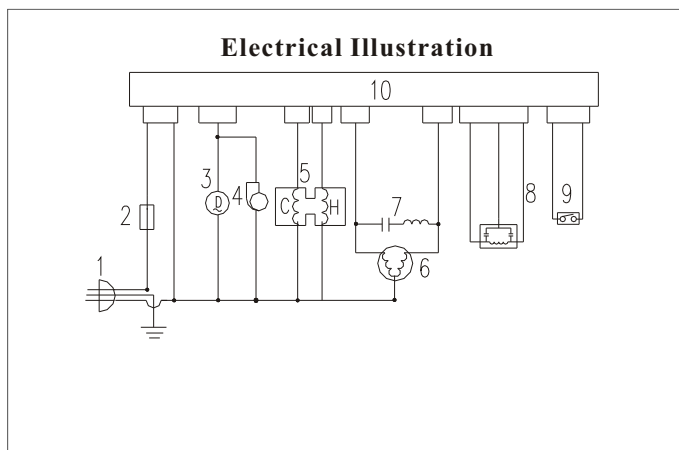


## SPECIFICATIONS

Dimension	560X575X895 (mm)	Weight of the product	37kg
Rated input power	400W	Rate volume of wash and spinning	6.0kg (Dry clothes)
Rated voltage	240V~	Maximum water pressure permitted in the water inlet	0.6MPa
Rated frequency	50Hz	Minimum water pressure permitted in the water inlet	0.1MPa

### WIRING DIAGRAM



**SANYO**

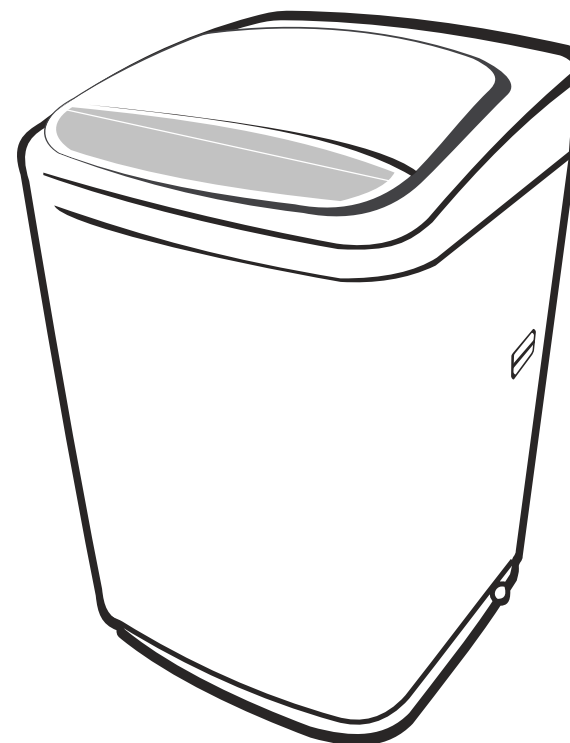
**SANYO Electric Co., Ltd.**

**SANYO**

**INSTRUCTION MANUAL**

**ASW-90WRT/P**

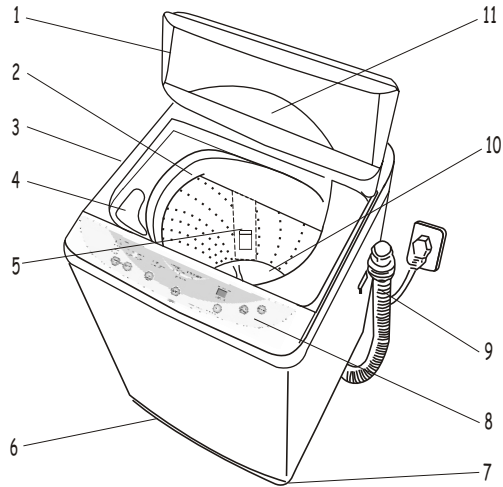
**FULLY AUTOMATIC WASHING MACHINE**





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# NAMES OF PARTS



1. TOP LID    2. WASH/SPIN TUB    3. TOP FRAME    4. BLEACH ENTRANCE  
 5. LINT FILTER    6. BASE    7. ADJUSTING FOOT    8. CONTROL PANEL  
 9. DRAIN HOSE    10. PULSATOR    11. HANDLE

Accessories	
 <p>WATER INLET HOSE ASSEMBLY(2)</p>	 <p>BASE COVER (1) SELF-TAPPING SCREW (1)</p>

# SIMPLE INSTALLATION AND OPERATION

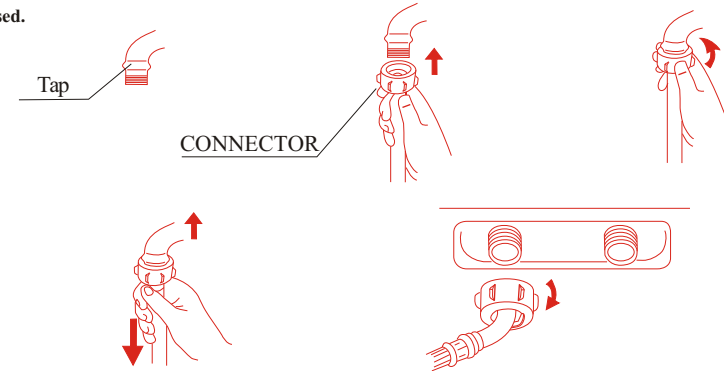
## Installation of WATER INLET HOSE

1. Check the tap . Connect the CONNECTOR of WATER INLET HOSE with the tap.
2. Push the CONNECTOR of the WATER INLET HOSE upwards, and screw it into the tap tightly.
3. Grasp the WATER INLET HOSE by hand and pull it downwards to see whether it is securely connected.
4. Connect the other end of the WATER INLET HOSE with the WATER INLET of the washing machine.

### 👉 Notices:

Water tap may vary by country.

**The appliance is to be connected to the water mains using new hose-sets and that old hose-sets not be reused.**



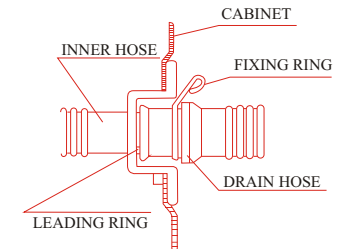
### 👉 Notices:

- After finishing to install the inlet hose, do not immediately switch on the power. Open the tap go over the both ends with contact whether occur to seep. If the inlet hose is difficult to install for the tap etc. , you can invite the experienced person to help.
- The method of installation for the double water inlet hose is the same.
- The end of the hot water inlet hose is red color.

## Installation of the drain hose

Non-pump model

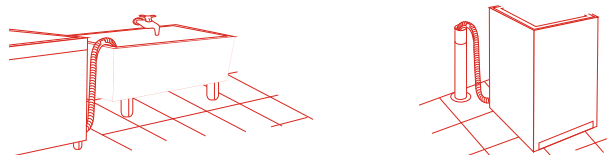
Pinch the FIXING RING by hand to make it loose and engaged on the DRAIN HOSE and put the DRAIN HOSE into the LEADING SKIRT of DRAIN HOSE in the bottom of the washing machine to the end at the most (soak the DRAIN HOSE in warm water will make the engagement easy), and loosen the FIXING RING to let it clasp the DRAIN HOSE.



## Pump model

- DRAIN HOSE must be placed at least 86cm (30inches) from the bottom of washer but not higher than 120cm.

 **Notice:** Drain hose blockage can lead to drain fault.



Step 1: The washing machine should be placed inside a room with a flat floor, which is convenient for water supply and drain, has low moisture and no direct sunshine, and does not freeze in winter.

Step 2: All foam packing should be taken off, otherwise the washing machine will not work.

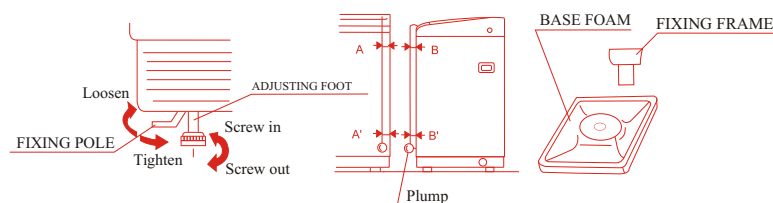
Step 3: Horizontalize the washing machine according to the instructions below to make the washing machine run steadily in low noise.

1. Loosen the FIXING POLE on the ADJUSTING FOOT, screw in or screw out the ADJUSTING FOOT to make the four braces placed even on the floor. (the ADJUSTING FOOT is on the left front bottom of the CABINET).
2. Check whether the washing machine is on a level surface using a plump line as shown in the below figure. The washing machine is on level ground floor if the frame line is parallel with the plump line. ( $A=A'$ ,  $B=B'$ ).
3. After the adjustment the FIXING POLE should be screwed back and tightened.

 **Notices:**

If the washing machine is not placed flat (the inclination angle is over  $2^\circ$ ), it may cause excessive vibration, automatic check and rectification or other abnormal circumstances will often take place in the course of spinning.

Remove all foam packing including the FIXING FRAME on the BASE FOAM in the step 2.



4

## Power source

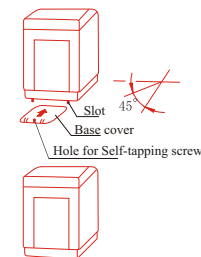
If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified person in order to avoid a hazard.

## CAUTION!

If this appliance is supplied from a cord extension set or electrical portable outlet device, the cord extension set or electrical portable outlet device must be positioned so that it is not subject to splashing or ingress of moisture.

## Installation of the base cover

1. Slant the washing machine with angle of  $45^\circ$  in the direction of the arrows showed in the figure. Slid the BASE COVER between the SLOTS from the back side of the washing machine.
2. Put the BASE COVER straight to the point and then press it upward till you hear it adjust, and screw it.



## CAUTION!

Carpet dose not obstruct the openings for washing machine with ventilation openings in the base.

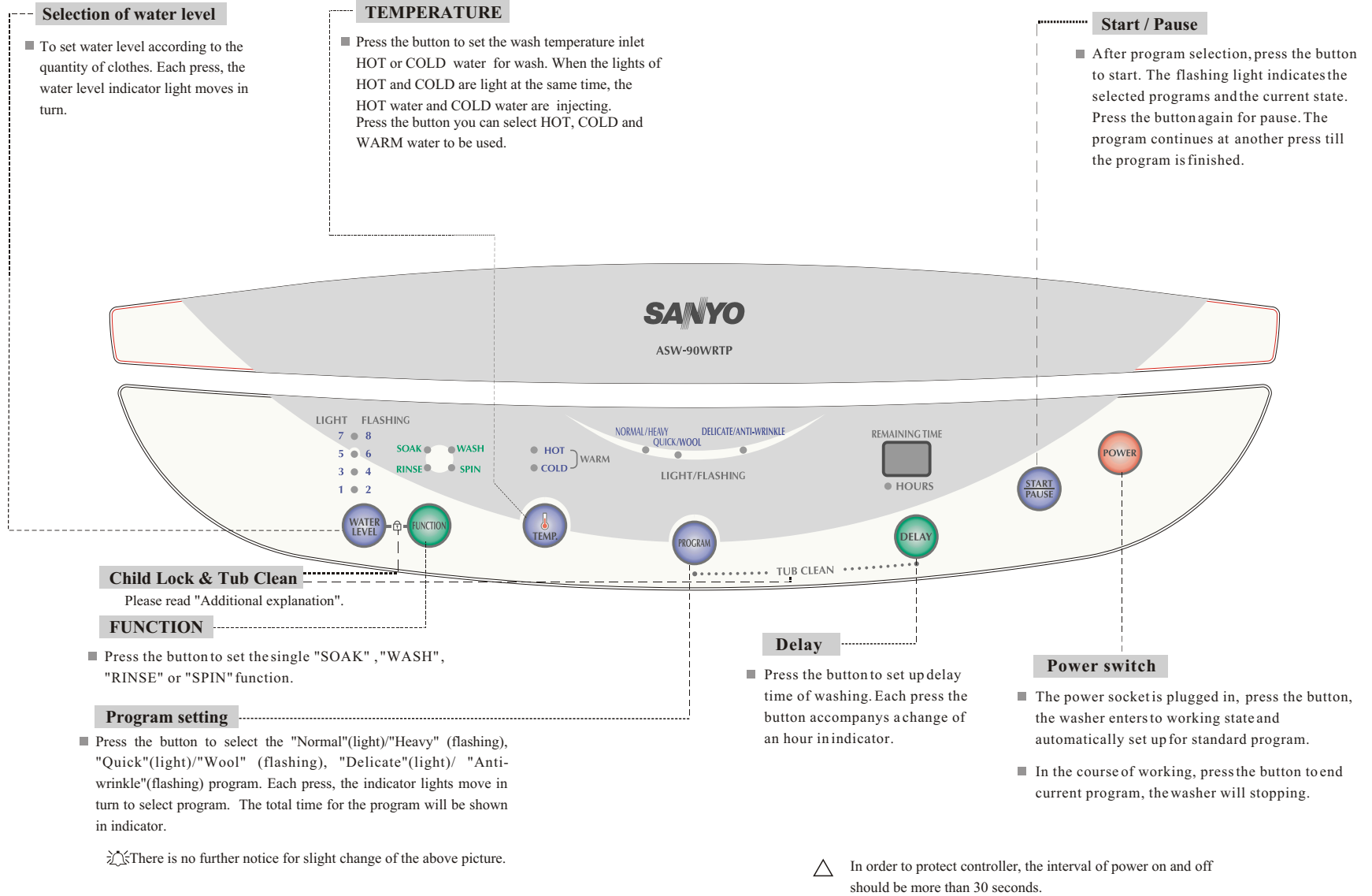
## Simple operation

1. Put detergent into WASH/SPIN TUB.
2. Put the POWER PLUG into the socket, switch on the power.
3. Open the tap.
4. Press "Power" button.
5. Press "Start/Pause" button. The washing machine will go into operation by the automatic program of standard.

**Remark:** If you want to set other programs, please see and read "PROGRAMS".

5

# FUNCTIONS OF BUTTONS



# WAY OF USE

## Fully automatic programs

Program	Features and usage	Wash time	Rinse times	Spin time	Total time
Normal program	Powerful in cleanliness result and widely applicable. Commonly-used in spring, autumn and winter.	12 minutes	Twice	6 minutes	About 41 minutes
Quick program	The wash time is comparatively short, fit for the light-stained clothes. Often used in summer.	2 minutes	Rinse once + Spray	1 minute	About 10 minutes
Wool program	The washing ability is not so strong as normal washing program, fit for slight or expensive clothes	15 minutes	Twice	Only drain	About 34 minutes
Anti-wrinkle program	The wash time is short, rinses many times with high water level, thoroughly wash away the garment.	8 minutes	Twice	Only drain	About 27 minutes
Heavy program	Powerful washing, fit for heavily stained clothes such as work clothes, jeans. It is also applicable for washing blanket, wool towel, slipcover.	15 minutes	Twice	7 minutes	About 47 minutes
Delicate program	Being normal program of water flow and dynamic soak, applicable for lower water temp. in winter or the dirtier clothes.	10 minutes	Twice	2 minutes	About 33 minutes

**Remark:** 1. Do not include quick program. The upper time table have assumed water inlet time (2 minutes / times) and drain time (1 minutes / times).  
2. Before selecting hot water for wash, you should read the label of clothes.

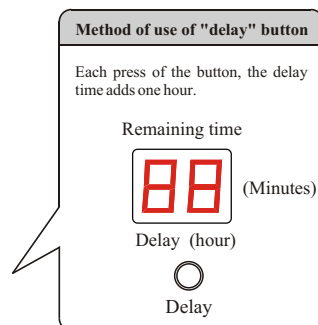
### Additional explanation

- "TUB CLEAN" function: Press the "PROGRAM" and "DELAY" button at the same time. After selecting the "TUB CLEAN" program, only "SPIN" lights is on. Then press the "START/PAUSE" button, the washer begins to spray and spin a minute, and again spin a minute.
- "CHILD LOCK" function: After start, press the "FUNCTION" and "WATER LEVEL" buttons at the same time, then all buttons will be locked (include the "POWER" button), the indication displays "CL" a second every 5 seconds. Press the "FUNCTION" and "WATER LEVEL" buttons at the same time to unlock the function.
- In the course SOAK, the washer does not stop completely, it will wash intermittently to let the washing evenly mix with the detergent.
- If you have selected the "NORMAL" program, the washer can detect texture of clothes to change intensity of wash and according to the temperature of water adjust the time of wash.

## Delay time program

Delay time means the beginning time of washing.

1. Switch on "Power" button.
2. Open the tap and hang the DRAIN HOSE up.
3. Load laundry and put detergent.
4. Select the proper water level according to the quantity of clothes.
5. Select the functions and programs.
6. Press "Delay" button to select the beginning time of washing.
7. Press "Start/Pause" button and close the LID.



## Confirmation of the delay and inspection

- After the delay function is started, the corresponding light will be turned on, and other lights are turned off.
- After the delay function is started, press "Delay" button continuously, you may inspect the program and function set. Release the button, the program will automatically come back to preset status.

## Cancel the delay time, or alternate the delay time

- Before the program is started, the delay indicator lights, and the delay time is selected from 1 to 24 hours. If the delay time is set over 24 hours, the delay indicator is turned off, and the function will be cancelled.
- Press power switch to end program, and to cancel delay function at the same time.
- To change the delay time, press "Start/Pause", and then press "Delay" button to reset.

## Notice:

The degree of incoming water pressure may affect the ending time of washing.

## Blanket wash

The weight of the blanket should be less than 4kg, and select the "Heavy" program to wash. It is suggested to use a mesh bag for the bulky washing and the method below:

1. After the detergent is dissolved with the proper amount of warm water (below 50°C), pour it into the WASH/SPIN TUB.
2. Fold up the blanket as the method shown in the figures below and put it into the WASH/SPIN TUB.
3. Switch on the power and press the "Program" button to select the "Heavy" program and select the higher water level.
4. Press the "Start/Pause" button, and close the lid.
5. At the end of washing, hang to dry in well ventilated place with sunshine, and straighten out.

## Notices:

Only blankets with marks "Hand wash" can be washed.



Fold in two by the long side



Fold three times in the same direction



Roll up the blanket.



Put it into the wash tub with the edge downwards

## Load size and detergent

Water level	Water volume	Weight of washing	Washing powder
8	About 53L	5.5~6.0kg	About 87g
7	About 48L	5.0~5.5kg	About 82g
6	About 43L	4.5~5.0kg	About 72g
5	About 38L	4.0~4.5kg	About 67g
4	About 34L	3.5~4.0kg	About 55g
3	About 30L	3.0~3.5kg	About 47g
2	About 25L	2.5~3.0kg	About 36g
1	About 17L	<2.5kg	About 30g

## Notices:

The recommended detergent is low and mid foam detergent.

The volume of detergent changes with different type of clothes. Read directions on packaging of detergent.

Water volume is different depending on clothes types. If the washing machine runs below normal adjust clothes volume and water level.

The water volume in the above list is based on normal clothes volumes.




Weight standard of the clothes			
A suit of work clothes (blended) about 800g	A pair of pajamas (cotton) about 500g	Long sleeve shirt (blended) about 200g	Bedsheet (cotton) about 500g
Short sleeve shirt (cotton) about 130g	Bath towel (cotton) about 300g	Short pants (cotton) about 50g	Socks (blended) about 50g

# METHOD OF MAINTENANCE

## The following cases are not faults

1. There is water inlet during washing or rinse, which is due to the washer sensing a lack of water and changes water level automatically.
2. There is the phenomenon of intermittent spinning in the beginning of spinning, which is performed to achieve better spinning effects.
3. In the course of spin, the program returns to the wash program. This is designed to rectify unbalanced distribution of load in the WASH/SPIN TUB.

## Maintenance

After the whole washing program	Maintenance of shell
<ul style="list-style-type: none"> <li>■ The washing machine will make buzzer sound after end of any program operation to remind you to taking out the laundry or operate it again.</li> <li>■ After finishes washing, shut off the tap, and pull out the plug in case of water leakage or fire accident.</li> </ul>	<ul style="list-style-type: none"> <li>■ Use a soft cloth to wipe off the water and dirt on the surface each time after use of the washing machine. Detergent, propellant and other chemicals are not allowed to use, for they can cause damage to the surface.</li> </ul> 
Cleaning the water inlet	Cleaning of the LINT FILTER
<p>After prolonged use, the WATER INLET MESH may be blocked, and should be cleaned according to the following steps:</p> <ol style="list-style-type: none"> <li>1. Switch on the power, followed by shutting off the tap .</li> <li>2. Let the washer work for 5 seconds so that water flows into the tub through the water inlet hose. Then turn off the power.</li> <li>3. Disconnect the water inlet hose and clean the mesh Bag. Then restore the water inlet assembly.</li> </ol> 	<p>After using the washing machine for a period, clean it according to the following steps:</p> <ol style="list-style-type: none"> <li>1. Take out the lint filter.</li> <li>2. Turn the mesh bag inside out and wash it clean in the water.</li> <li>3. Restore it and refix it.</li> </ol> 

# TROUBLE SHOOTING

Exceptional phenomenon	Cause	Solution
No indication in controller	The power plug is not plugged tight. The power switch is not switched on. Not press "START/PAUSE" button. Power cut.	Re-plug the power plug. Check the power socket, or change other socket. Press "START/PAUSE" button. Wait for switching on electricity.
The inlet hose leakage	The INLET HOSE is not firmly connected with tap. WATER INLET HOSE is not screwed tight.	Check the connection. Screw tight the nut.
Does not drain	The DRAIN HOSE is caught or jammed.	The drain hose is made swimmingly, and solve the problem of jam.
Dose not inject water	Off water. Not on tap. Whether the wire netting in the WATER INLET was blocked.	Wait for supply water. Open the tap. Clean the msh according to the method of "Cleaning of the water inlet".
Spinning stops and water injecting begins in the course of spin	Cause by that the washing placed uneven.	This is automatic rectification for spinning in the washing program. That the washing are too much or too little, or that the washing machine is not placed plane will cause the unbalance in time of spinning. If there is still abnormal circumstances after checking the above-mentioned points, please pull out the power plug and contact with local service as soon as possible.
Does not spin	After draining, the lid is not correctly. Open the lid during spinning.	The LID is not closed correctly.
Intermittent spinning	The maintain a better spinning effect.	This is normal .
Before using the machine water exists in the drain hose.	Remaining water due to testing or experiment in the factory.	This is normal .

## Notices:

- If there is still abnormal circumstances after checking the above-mentioned points, please pull out the plug. Do not repair it by yourself at home, which is very dangerous.



# OTHER FUNCTIONS

## ● Function of fault alarm

Fault	Cause of fault	Indication	Alarm of the buzzing sound	Stopping alarm
Alarm for water inlet	Entering water less than 16 minutes, reset water level.	E1	The buzzer goes on buzzing for 10 seconds. If the fault is not solved, buzzes again for 10 seconds in every 16 minutes.	Open the lid to deal with faults, then close the lid to stop the alarm.
Alarm for opening lid	Open the LID after starting the delay time. Open the LID when the washer is spinning.	E2		
Imbalance alarm	Checked imbalance for the third time.	E3		
Drain alarm	After draining for 4 minutes, does not finish to drain.	E4		

## ● Automatic power shut off

1. If the machine is not started within 10 minutes after powered on, it will power off automatically
2. If the machine is not powered off until the buzzer sounds 6 times after the operation, it will power off automatically

## ● Adjusting for unbalance

1. If the laundry is placed uneven before spinning, it causes excessive vibration of spinning. The washing machine has a function of adjusting unbalance. During cycles, the washing machine always inspects running state. If the spinning vibration is too big, the washing machine automatically starts the adjusting program to balance.
2. If the washing machine detects the unbalance even after the adjustment, it will alarm.

# IMPORTANT SAFEGUARDS

## ⚠ WARNINGS

<p>Never put your hand(s) into the WASH/SPIN TUB while the washer is operating.</p> <ul style="list-style-type: none"> <li>● If you reach into the WASH/SPIN TUB, it can cause injury.</li> <li>● If the WASH/SPIN TUB does not stop within 15 seconds after the WASHER LID is opened, turn the washer off immediately and call a service person.</li> </ul>	<p>Be sure to connect POWER PLUG and POWER CORD properly.</p> <ul style="list-style-type: none"> <li>● Be sure to plug the POWER CORD into a proper socket-outlet for the washer.</li> <li>● An improperly attached plug may catch fire.</li> <li>● Never disconnect by pulling the cord. Hold the plug as you pull it out.</li> <li>● Never use a damaged POWER CORD.</li> <li>● Never connect and/or disconnect the POWER PLUG with wet hands, it may cause an electric shock.</li> </ul>
<p>Be sure not to bring any type of flame near the washer or put lit cigarettes or volatile materials on the top of the washer.</p> <ul style="list-style-type: none"> <li>● It may deform of the washer or catch fire, because this washer has a large number of plastic parts.</li> </ul>	<p>Never wash items stained with benzene, kerosene, thinner or gasoline.</p> <ul style="list-style-type: none"> <li>● It may cause a risk of fire or explosion.</li> </ul>
<p>Do not install the washer in the bathroom or very humid place.</p> <ul style="list-style-type: none"> <li>● It may cause a malfunction or an electric shock.</li> </ul>	<p>Do not allow children to play on or in the washer.</p> <ul style="list-style-type: none"> <li>● If a child accidentally falls into the WASH/SPIN TUB, serious injury could occur.</li> </ul>
<p>Be sure not to splash or pour water on the CONTROL PANEL.</p> <ul style="list-style-type: none"> <li>● It may cause a malfunction or an electric shock.</li> </ul>	<p>Do not allow your washer to be repaired by an unqualified service person.</p> <ul style="list-style-type: none"> <li>● It may cause a risk of accidental fire.</li> <li>● If the washer operates abnormally, it may cause injury.</li> </ul>

## ⚠ CAUTIONS

<p>Do not allow the wash load to stick out from the WASH/SPIN TUB.</p> <ul style="list-style-type: none"> <li>● Do not wash, rinse or spin waterproof clothes or sheets.</li> <li>● Push evenly thick clothes or bulky wash items completely down into the WASH/SPIN TUB. Otherwise, it may deform or damage the washer.</li> </ul>	<p>Do not use water hotter than 50°C.</p> <ul style="list-style-type: none"> <li>● It may deform plastic parts in the washer and cause a malfunction.</li> </ul>
<p>Do not put your hand(s) under the washer during operation.</p> <ul style="list-style-type: none"> <li>● Rotating parts may cause injury.</li> </ul>	<p>Do not get on the washer or put any heavy things on the washer.</p> <ul style="list-style-type: none"> <li>● It may deform or damage the washer, and it may cause you injury.</li> </ul>

1. the appliance is not intended for use by young children or infirm persons without supervision.
2. Young children should be supervised to ensure that they do not play with the appliance.