

# Haier

Full automatic washing machine

## SERVICE MANUAL

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### **Models**

HLT364XXQ  
GWT800AW

### ● **Features**

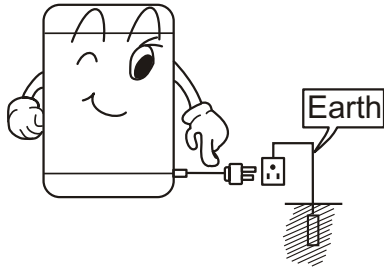
- Shift washing, shift spinning, blanket washing easily
- Dual drive technology and save 50% consumption of water and electricity
- Pulsator type for wash efficiency, twist free and low wear
- Super capacity that can wash more clothing
- VFD display

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- Haier frequency-conversion and double drive blanket washing easily
- Shift washing, shift spinning
- Cold & warm water inlet selection
- Drain up function
- Cabinet with the door open in the front:
- Super capacity for more clothes
- Pulsator type for wash efficiency, twist free and low wear
- VFD Display

Model		HLT364XXQ	GWT800AW
Free standing		√	√
Built under		□	□
EAN code		---	---
Energy efficiency class		-	-
<b>Technical data</b>			
Wash capacity	kg	10.0	10.0
Spin capacity	kg	10.0	10.0
Level/Volume	L	1/28L 2/36L 3/49L 4/54L 5/61L 6/67L 7/73L 8/79L 9/89L 10/95L	1/28L 2/36L 3/49L 4/54L 5/61L 6/67L 7/73L 8/79L 9/89L 10/95L
Residual dampness	%	94%	94%
Voltage/frequency	V/Hz	120V/60Hz	120V/60Hz
Energy consumption	kWh		
Water consumption	L		
Wash power	W	400	400
Spin power	W	300	300
Voice power of washing	dB	53	53
Voice power of spinning	dB	62	62
Net weight	kg	about79	about79
Gross weight	kg	about87	about87
<b>Control mode</b>			
Timer		□	□
controller		□	□
Normal computerized		×	×
Fuzzy computerized		√	√
Frequency conversion		√	√
<b>Service features</b>			
Programs		8	6
Short cycle		√	√
Inlet heating select		×	×
washing and rinse water temperature selection		√	√
Spinning cycle (selector)		√	√
Spinning cycle (variable)		√	√
Start/Pause		√	√
Preset	H	2~24	2~24
Automatic balancing		√	√
Aesthetics(V.L.H.S.H.T)		-	-
Cabinet material (P=Plastic/Z=Zincking/C=Cold)		Z	Z
Inner drum (stainl. steel=s / plastic=p)		S	S
Drain type (U=drain up D=drain down)		Drain up	Drain up
Door (glass=g / plastic=p)		×	×
Adjustable feet		√	√
<b>Special function</b>			
inner cycle		×	×
Feet wheel		□	□
Double driver		√	√
Two-in-one with rinse and spin		√	√
Disinfect		×	×
<b>Dimensions (measurements)</b>			
Height / built under	mm	1080	1080
Width	mm	686	686
Depth / with open door	mm	686	686
<b>Dimensions packed (measurements packed)</b>			
Height	mm	1180	1180
Width	mm	766	766
Depth	mm	756	756
20'Container load	Sets	21	21
40'Container load	Sets	45	45
40H'Container load	Sets	90	90
NOTE: "√" FOR AVAILABLE, "□" FOR NOT AVAILABLE, "X" FOR NOT AVAILABLE, "-" FOR BE APPLICABLE, "V" FOR SQUARE HIGH HEAD, "H" FOR HALF HIGH HEAD, "L" FOR SQUARE FLAT HEAD, "S" FOR ARC HIGH HEAD, "F" FOR ARC FLAT HEAD, "T" FOR TRANSPARENT VIEW WINDOW.			

Be sure to earth the earthing wire reliably.



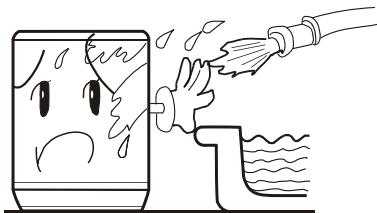
The power cord plug should be convenient to be plugged in or plugged out with hand while the washing machine runs normally. Be sure to pull the plug out and close the water tap when the machine is idle, when moving the machine, or when cleaning the machine. Do not use wet hand to insert or pull out the power plug.



If the power cord is bad, to avoid risk it is required to replace it by the technicians of our special shop or the after-sale service department. Keep the pin of the power plug clean.



Do not put the machine at damp place like the bathroom. Never wash it with water.



Do not install or store the washer where it will be exposed to the weather.



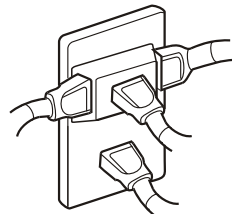
Do not let the machine share one receptacle with other electric appliances. If the power plug is damaged, or the plugging into the receptacle is loose, do not use the plug any more.



Do not wash water-proof laundries such as the raincoat, bicycle shelter etc. To avoid abnormal vibration during spinning.



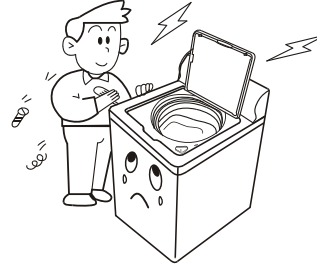
Do not share one receptacle with other electric appliances. Do not use it in case that the power plug is damaged or the inserting into the receptacle is loose.



Do not stretch hands into the working machine. It is dangerous even if the rotation is slow. Take special care of the children.



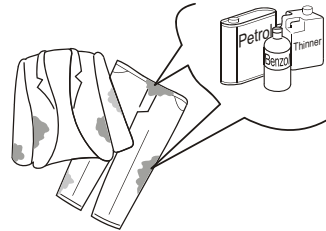
Do not decompose, repair or alter the machine by yourself.



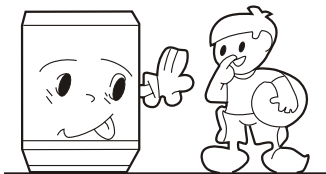
Do not put any hot or heavy items (such as the kettle with hot water) on the washing machine.



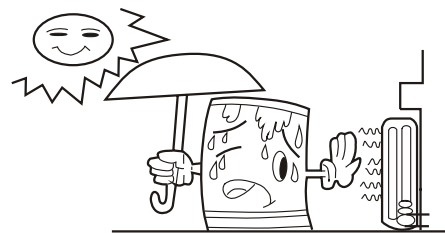
Do not wash articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, dry-cleaning solvents, other flammable, or explosive substances as they give off vapors that could ignite or explode. Do not add gasoline, dry-cleaning solvents, or other flammable, or explosive substances to the wash water. These substances give off vapors that could ignite or explode.



The handicapped or children without care shall not use the machine.

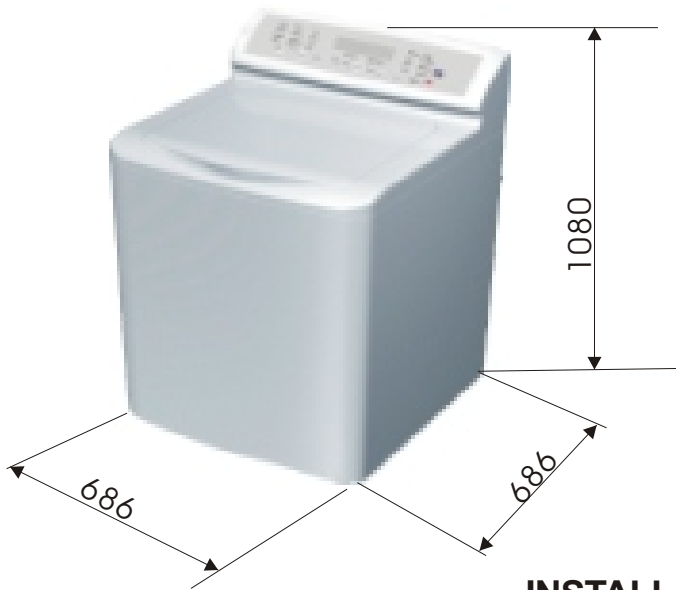


Keep the machine away from direct sunlight and heat source like the heater.



Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for 2 weeks or more. **HYDROGEN GAS IS EXPLOSIVE.** If the hot water has not been used for such a period, before using the washing machine, turn on all hot faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use an open flame during this time.



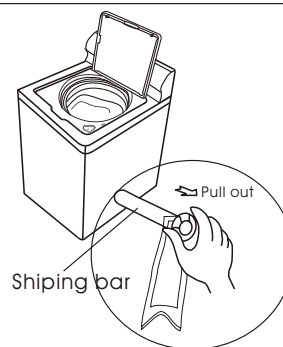


Unit (mm)

### INSTALLATION AND ACCESSORY PARTS

Please install and adjust the machine according to the requirement of the manual. It is very important to your security and correct operating the machine.

Pull the shipping bar out to avoid damage to your washing machine before your first use of it.

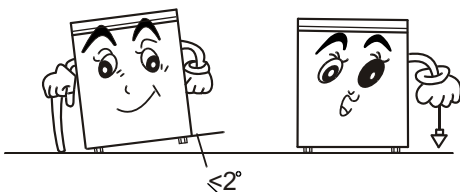


### Adjust the Installation position

The largest allowed slope of the shank base of the machine is  $2^\circ$ . The slanting or rough ground will result in unstable running or stoppage of the machine. Please adjust it with following methods:

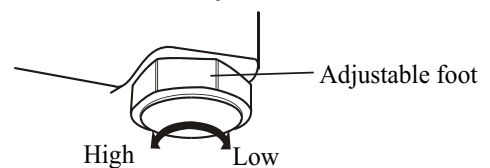
- Confirm it's horizontal

Hang the plumb to confirm it's horizontal.



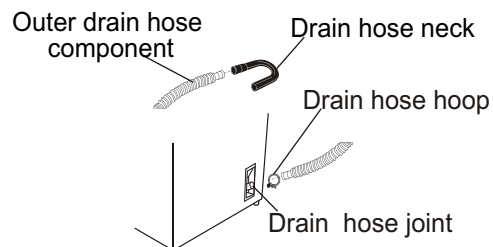
- Adjust the adjustable feet

- 1) To twist the adjustable foot, please first lift up the side of the foot slightly, and twist the foot.
- 2) Fasten the nut after adjustment.



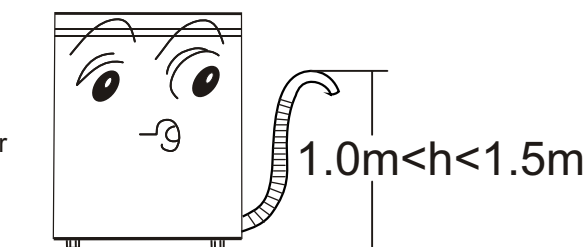
### Install the drain hose

- First install the drain hose hook on the parts of outer drain hose component.
- Put the drain hose clamp on the outer drain hose, insert the outer drain hose into the joint for it, and then clutch tightly with drain hose hoop.



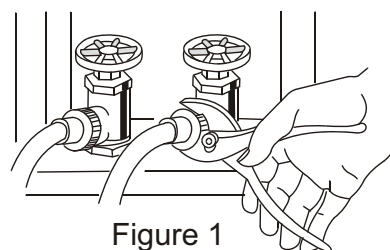
### Usage of the drain hose

- Hang the outer drain hose on the proper place before washing (do not use it toppled down on the ground).
- Attend that the outlet of drain hose shall be higher than the water level in washtub to avoid siphon phenomenon.



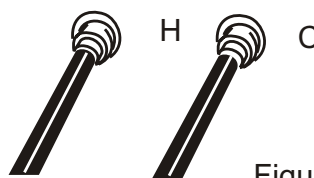
### Connect the water inlet hoses

1. Attach the water inlet hoses to the hot water faucet and the cold water faucet. Using pliers, tighten the coupling. (As figure 1)



2. Run water through both faucets and inlet hoses, into a bucket or laundry tub, to get rid of particles in the water lines that might clog the inlet valves screens.
3. Attach the hose connected with hot water faucet to the HOT water inlet valve (sign with "H"). Attach the hose connected with cold water faucet to the COLD water valve (sign with "C"). (As figure 2)

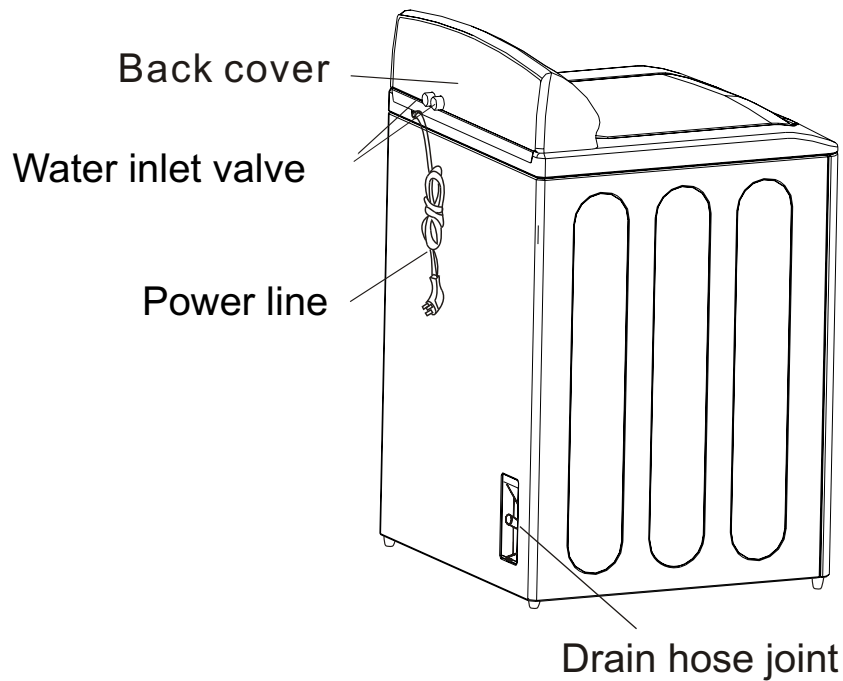
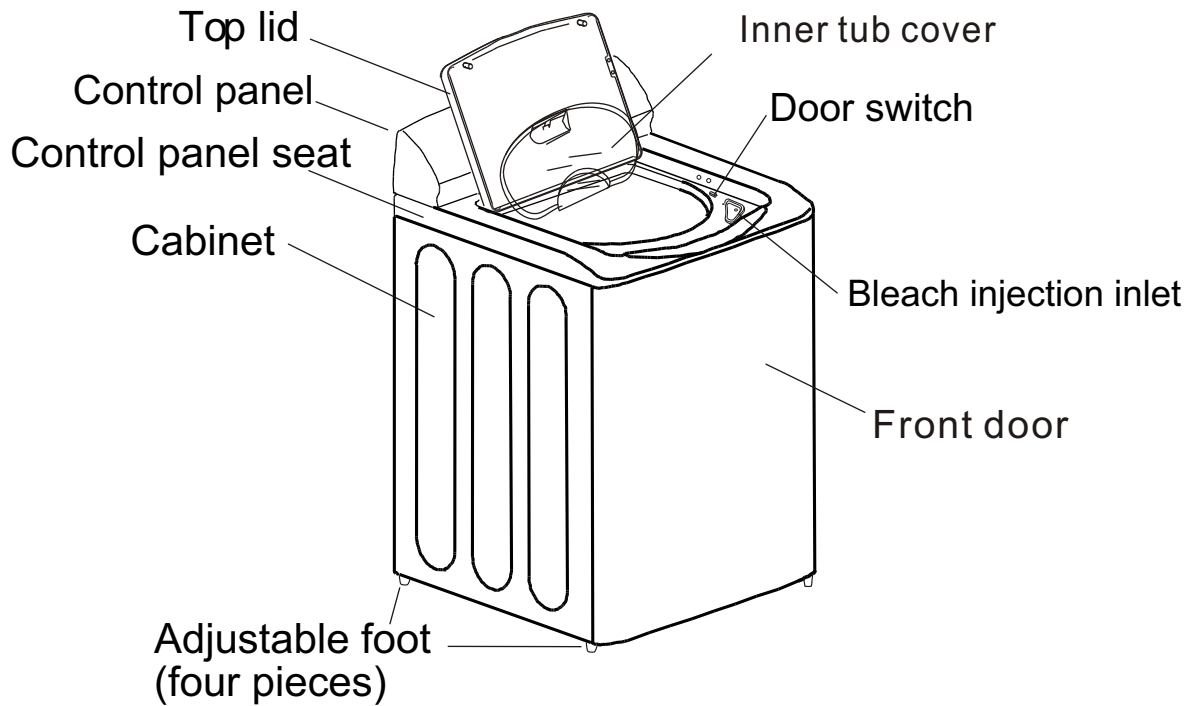
**NOTE:** Do not over-tighten.



4. Check for leaks
  - (1). Swing the water inlet hose gently to confirm if it is suitable.
  - (2). Turn on the water faucets and check for leaks. A small amount of water might enter the washers. You will drain this later.



### Parts and function



### Operations



**Note:** Features may vary per model.

#### Delay Start

- When not activated, the display shows a cycles' remaining time through the wash process.
- When Delay Start is selected, the indicator light will display a minimum delay of 2 hours. Push button once for every additional 1 hour delay for up to 24 hours.

#### Cycles

- Normal - For regular washing, such as cotton.
- Heavy - For washing bigger, thicker and heavily soiled laundry.
- Whites - For washing cotton fabrics and whites
- Colors - For washing color fabrics.
- Quick - For quick washing of lightly soiled laundry.
- Delicate - For washing of delicate fabrics.
- Hand Wash - To have hand wash effect on clothes.
- Wrinkle Control - For reducing wrinkles.
- Custom Cycle - To maintain prior settings in memory.

#### Process Select

This is to select a wash process.

- Soak or Pre-wash will not work in the Cycles: Hand Wash, Quick Wash, Delicate Casual and Wrinkle Control.
- Water level indicator will shut off if only Spin is selected.

#### Extra Rinse

- Once a program is selected press the Process Select button to have 2nd Rinse. The washer will add a 2nd rinse.

#### Soak

- Selecting this function will allow heavily soiled clothes to soak. No agitation occurs until washer begins "wash" cycle.

#### Wash Speed / Spin Speed

- To select wash or spin speed.

#### Water Level

- Water levels may be set at the beginning of the wash or in pause.
- During Soak, Wash or Rinse, press this button to manually replenish water. Release for the water to stop. Function automatically is inactive when water reaches the overflow protection level.

### Cycle Signal

- Signal volume can be adjusted soft-loud or off.

### Soil Level

- Select clothes soil level.
- Wash cycle increases 2 minutes for each level increased.

### Temperature Wash / Rinse

- To select inlet water temperature for wash and rinse.

### Auto Temp Control

- Models with this feature will automatically adjust water to the proper temperature.

### Power Off

- If washer is ON push button once to shut off the power.

### Start / Pause

- Once washer is powered and selections are chosen, push this button once to start the wash.
- While unit is working, push this button once to pause it.
- If unit is in pause mode, push this button once to resume operation.

### Delay Start Indicator

- Indicates remaining minutes when cycle is in progress.
- Indicates remaining hours during delay process.
- Indicates faults codes or conditions that are not normal.

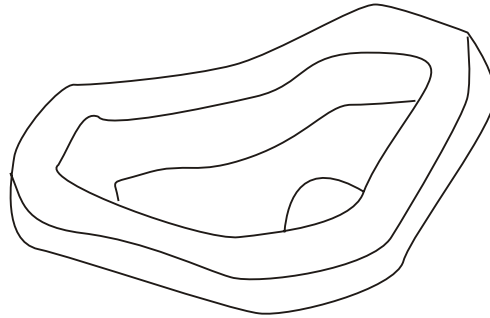
### Time List of Each Program (minute)

Program	Total time	
	Including soak	Not including soak
Normal	About54-78	About44-58
Heavy Duty	About57-91	About47-61
Whites	About53-89	About43-59
colors	About50-86	About40-56
Hand Wash	/	About26-38
Quick Wash	/	About24-30
Delicate Casual	/	About25-35
Wrinkle control	/	About25-34

**Note:** Total time may be affected by water inlet and drain time. It may also be affected by the water pressure. Normal, Heavy and Cotton programs could combine the process of soak during which the washing machine first soaks for about 20-30 minutes with slight agitation after water filling and then begins to wash.

### Bleach Dispenser:

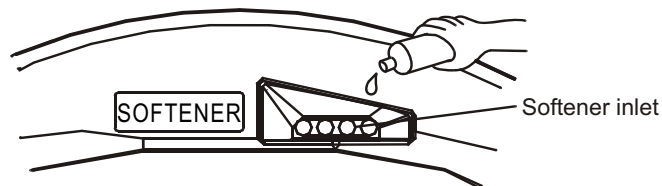
- Bleach dispenser is located on front corner under the loading door.
- Pour in recommended amount of bleach into dispenser during the first wash fill.



**Note:** Use only liquid bleach in dispenser.

- Warning:**
- Be careful not to spill undiluted bleach on the washer cabinet or your clothes. As it is a strong chemical, it may damage some of your clothes or the finish of the washer if not properly diluted.
  - Use the manufacturer's chart, on product container for recommended use of liquid or powder bleach.

### Softener inlet



- Please follow softener instructions for dose usage.
- Before washing put the softener into the filling entrance (can be found on the balancing ring by rotating the inner tub, as illustrated in the drawing).
- Try to avoid adding softener in, if you do not intend to wash immediately. The softener may harden and may cause a poor flow.
- Please do not use softener in the following cases: Selected rinsing times more than two; Choosing rinse/spin two-in-one program.

### Normal Operating Sounds

The following sounds are normally heard during the operation Of the washer:

- **Tumbling sounds:** This is normal as the heavy wet clothes in the Washer are continuously being tossed around.
- **Air rushing noise:** This happens when the Washer tub spins at very high RPM.
- **Wash and Rinse cycles going on and off** will also make clicking sounds.

**Note:** Use only liquid bleach in dispenser.

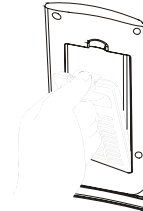
**Warning:** • Be careful not to spill undiluted bleach on the washer cabinet or your clothes. As it is a strong chemical, it may damage some of your clothes or the finish of the washer if not properly diluted.

- Use the manufacturer's chart, on product container for recommended use of liquid or powder bleach.

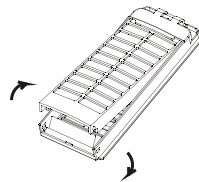
### Lint Filter

- The lint filter must be used during washing.
- It must be cleaned in time after each using.

- 1 Take off the lint filter.
- 2 Clean up the lint in the filter.

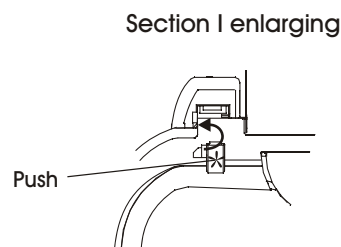
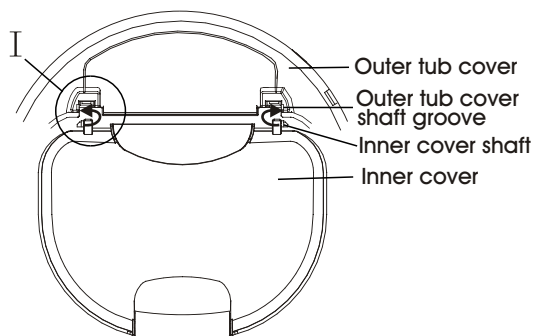


- 3 Install the lint filter.



### Install the inner cover

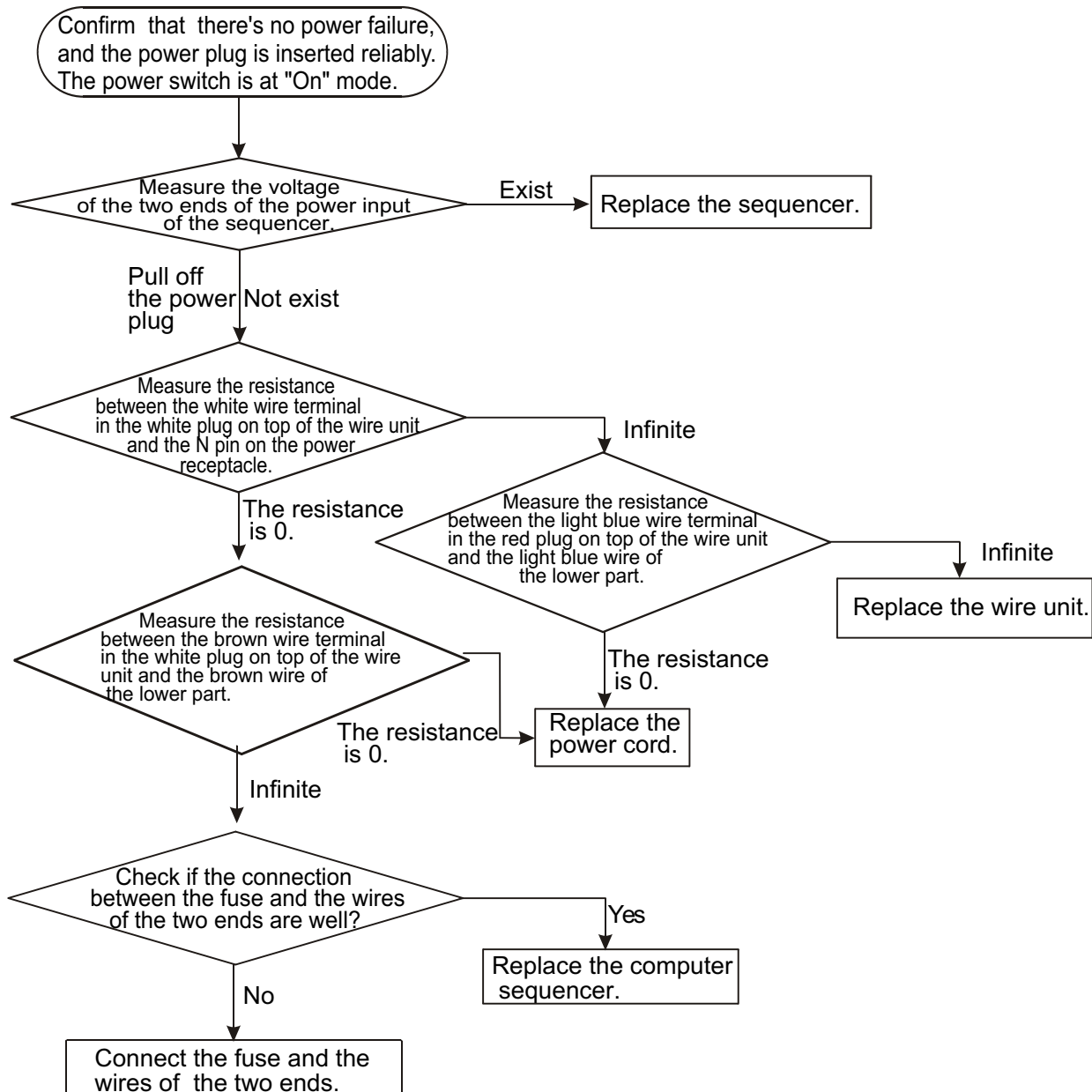
1. Open the top lid of the washing machine.
2. Put the inner cover component on the outer tub cover, aiming the inner cover shaft to the installation hole of the corresponding outer tub cover shaft groove.
3. Firstly insert the inner cover shaft of one side into the corresponding outer tub cover shaft groove, then push the another inner cover shaft into the corresponding outer tub cover shaft groove. Please install to designated position to guarantee there are no dropping or abnormal sound in opening and closing of the inner cover, and the operation shall be smooth. Do not dismount the inner cover component after washing.



### Trouble-shooting charts

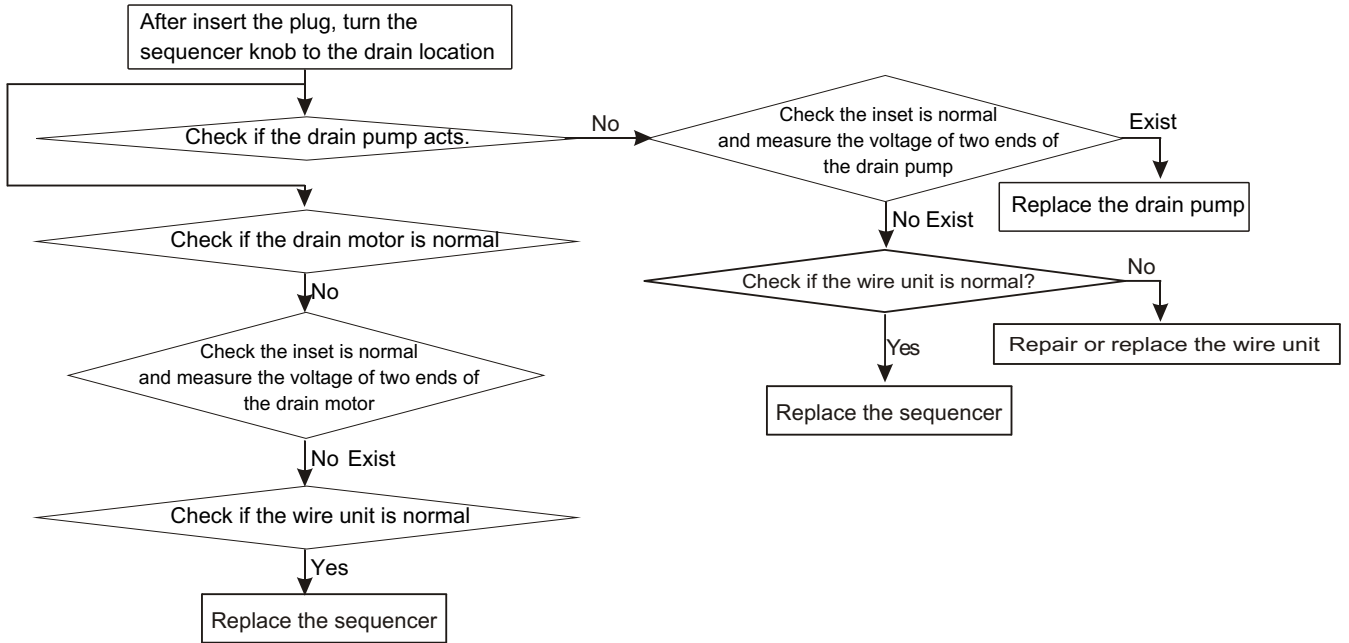
If you replace the computer sequencer without checking the other components carefully, the computer sequencer may be damaged again. Therefore, please first check if the other components working normally before replacing the sequencer in maintenance.

#### No action(The indicator is off)

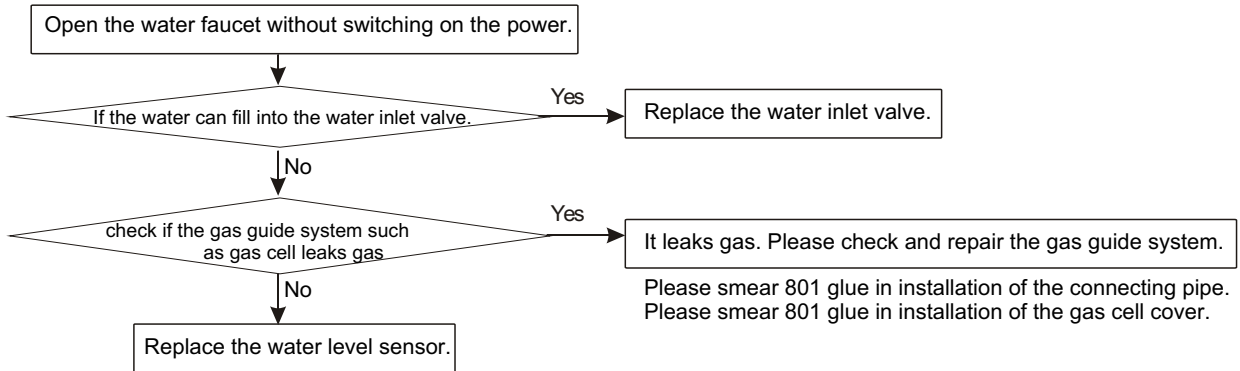




### No draining

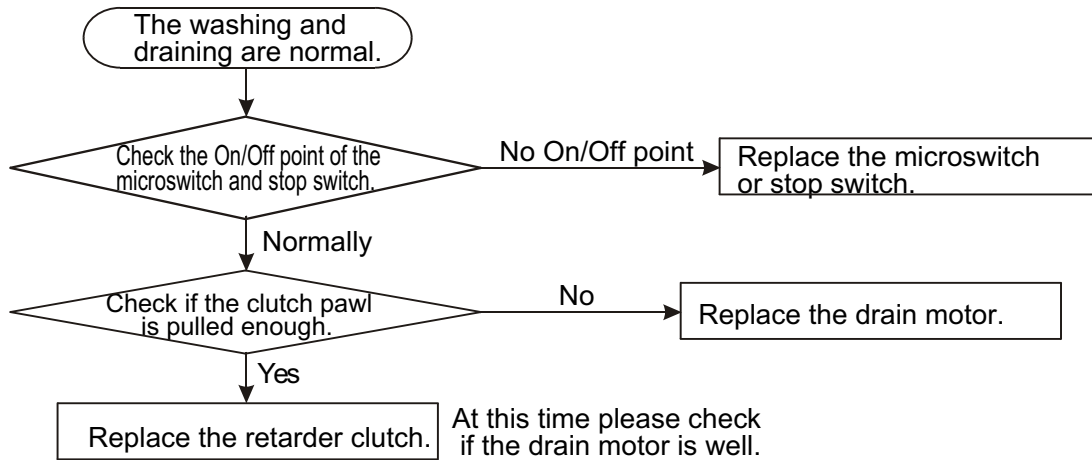


### Keep filling water

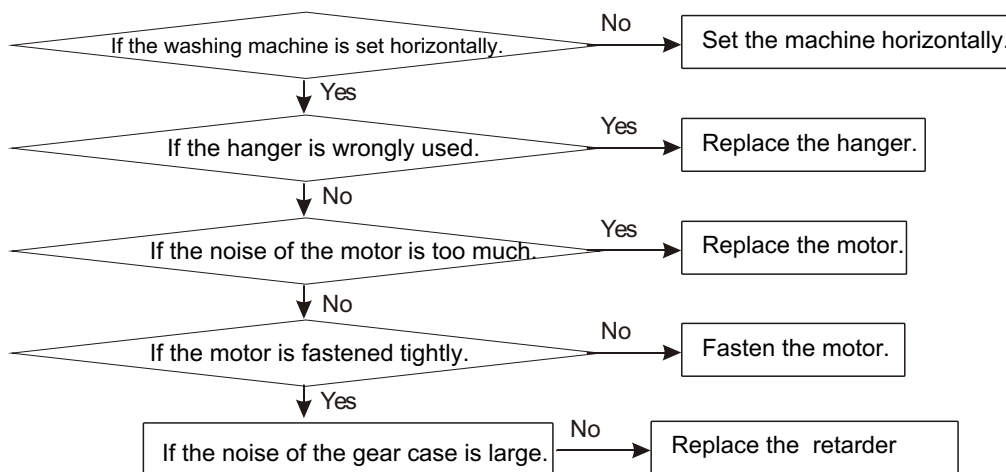




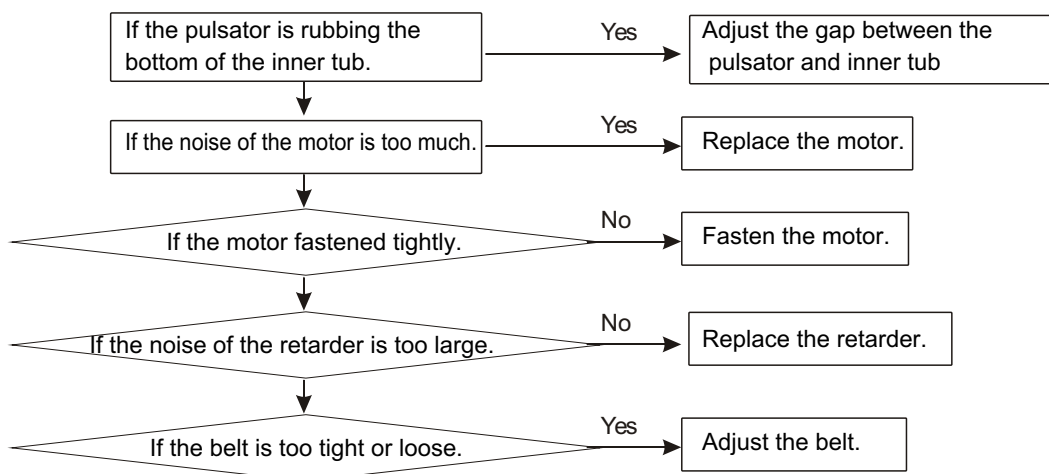
### No spinning



### Too much noise in spinning



### Too much noise in washing

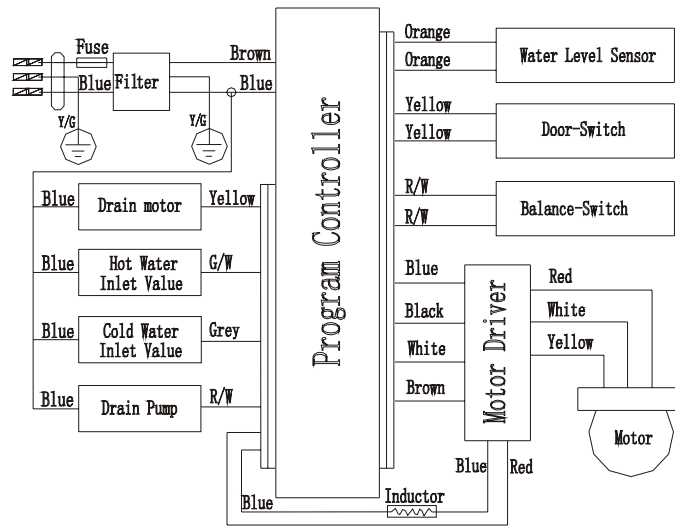


### Trouble alarm and solve method






Phenomenan	The reason	How to settle
In pre-wash , the washer stops running,the numeral tube shows “E0”	The top lid is not closed.	Close the top lid.
The draining does not work, or the speed of draining is too slow ,The numeral tube shows “E1” (exclude in peedy).	<ul style="list-style-type: none"> <li>● Is the drain hose blocked by foreign material?</li> </ul>	<ul style="list-style-type: none"> <li>● Open and close the top lid once.</li> </ul>
The machine stops running In washing ,rinsing or spinning. The numeral tube shows “E2”	The top lid is not closed.	Close the top lid.
The safety switch acts. The spinning can not work (after amending twice automatically) The numeral tube shows “E3”	<ul style="list-style-type: none"> <li>● Are the laundries put slantingly?</li> <li>● Is the machine slanting?</li> </ul>	<ul style="list-style-type: none"> <li>● Re-order the laundries. Close the top lid.</li> <li>● Level the machine in right position. Open and close the top lid once.</li> </ul>
Not supplying water or the speed is too slow (the suitable water level doesn't research about 15 minutes. The numeral tube shows “E4”	<ul style="list-style-type: none"> <li>● The water faucet is not open or supplying water is stoped.</li> <li>● The water inlet valve is blocked.</li> </ul>	<ul style="list-style-type: none"> <li>● Open the water faucet. Push the "Start/Pause" button.</li> <li>● Clean the water inlet valve . Push the "Start/Pause" button.</li> </ul>
The waterfall current is poor or out.	<ul style="list-style-type: none"> <li>● Is the spout blocked by foreign</li> <li>● Does soft wash program selected?</li> </ul>	<ul style="list-style-type: none"> <li>● Clean the foreign material.</li> <li>● Select the soft wash ,it's normal.</li> </ul>
The machine does not act. (Indicators are off.)	<ul style="list-style-type: none"> <li>● Is the power off?</li> <li>● Does the power cord loose?</li> </ul>	<ul style="list-style-type: none"> <li>● Use it when the power is on.</li> <li>● Insert the power plug tightly.</li> </ul>
There's abnormal sound inside the machine.	<ul style="list-style-type: none"> <li>● Is the machine slanting?</li> <li>● Is some metal inside the washer?</li> <li>● Are the laundries slanting in spinning?</li> </ul>	<ul style="list-style-type: none"> <li>● Level the machine properly.</li> <li>● Fasten the fastener or zip up the zip.</li> <li>● Re-order the laundries.</li> </ul>
The water faucet leaks.	Is the jointer screw of the water inlet hose loose or twisted awry?	Fasten the jointer screw properly.
The numeral tube shows “F2 ”	Overflow alarm	Please contact the after-sales service department.





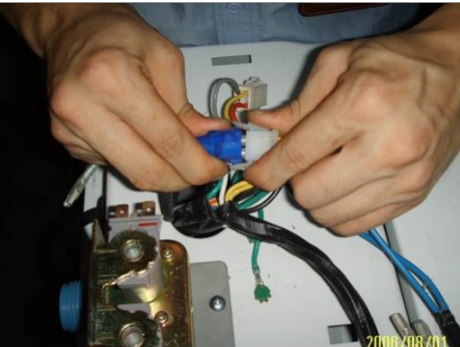
### Common phenomena

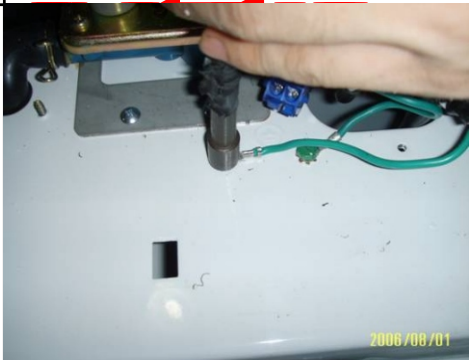
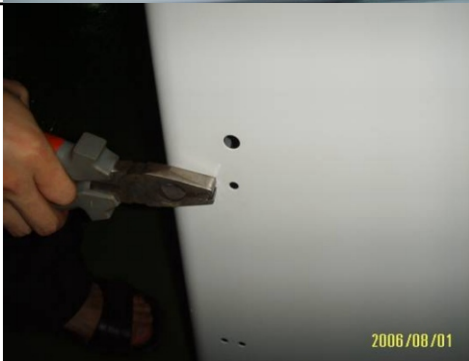



Phenomena	Explanation
<ul style="list-style-type: none"> <li>● Press the "Process " button to select "Spin", but it doesn't work.</li> </ul>	<ul style="list-style-type: none"> <li>● The program is setting the drain time. Some time is needed before it starts spinning.</li> </ul>
<ul style="list-style-type: none"> <li>● There may be some water flowing out of the drain hose in the first use of the machine.</li> </ul>	<ul style="list-style-type: none"> <li>● It is the water remained in the factory inspection of performance.</li> </ul>








- There is overload protector installed in the motor. In case that the motor is overload or meets breakdown in working, the protector will act and stop the motor. When the breakdown is removed, the motor will resume normal working.

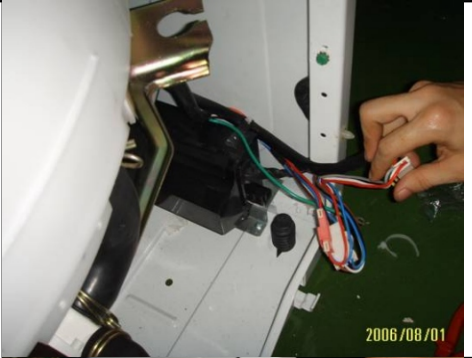
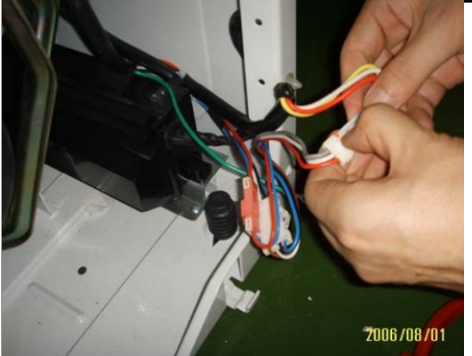



No	Component	Step	Picture
1	The back cover	dismantle the tapping screw	
2		dismantle the fasten button	
3		dismantle the screw of the back cover	
4	dismantle control panel	push the control panel	
5		take off the control panel	

No	Component	Step	Picture
6	top lid	dismantle the screw of the top lid	 <p>2006/08/01</p>
7	dismantle the lid switch	dismantle the screw of the lid switch	 <p>2006/08/01</p>
8		take off the lid switch	 <p>2006/08/01</p>
9	dismantle the wire module	dismantle the connector of the part	 <p>2006/08/01</p>
		dismantle the wire connector	 <p>2006/08/01</p>



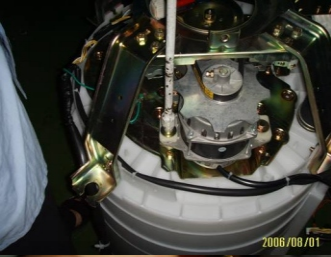


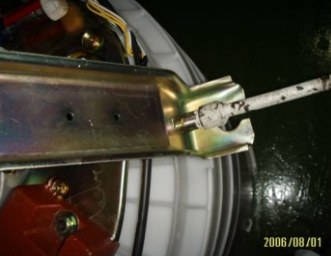

No	Component	Step	Picture
9	dismantle the wire module	dismantle the earth wire	
		remove the clamp of the wire modul	
10	the front door	dismantle the screw of the front door	
11		take off the front door	
12	the connector pipe	dismantle the connector pipe lamp,and take off the pipe	



No	Component	Step	Picture
13	the water filling pipe	dismantle the water filling pipe clamp	 <p>2006/08/01</p>
14	dismantle the control panel seat	pull the control panel seat	 <p>2006/08/01</p>
15		take off the control panel seat	 <p>2006/08/01</p>
16	dismantle the inner cover	pull the inner cover to dismantle the inner cover	 <p>2006/08/01</p>
17	dismantle the pulsator	unfasten the pulsator screw and take off the pulsator	 <p>2006/08/01</p>

No	Component	Step	Picture
18	dismantle the connector of the drive board	dismantle the connector of the drive board	
19			
20	drain pipe	dismantle the screw of the drain pipe	
21		dismantle the pipe clamp	
22	the tub component	take out the tub component from the front side of the cabinet	



No	Component	Step	Picture
23	dismantle the drive board	dismantle the screw of the drive board in the bottom of the cabinet	
24		take out the drive board	
25	dismantle the motor	unfix the bolt of the motor	
26	dismantle the retractor	unfasten the line of the retractor.	
27		dismantle the retractor	
28	the support arm component	unfasten the bolt by spanner	
29		take off the support arm component	

**Sincere Forever**

**Haier Group**

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