# Haier

## HWM90-98

Computerized Full-auto Washing Machine



- Please read this manual carefully before using.
- Retain it for future reference
- Please check if the power receptacle has good earthing condition before using to guarantee your safety.
- The manufacturer will not bear the responsibility for those risks occurred from not obeying this manual.

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#### Before using

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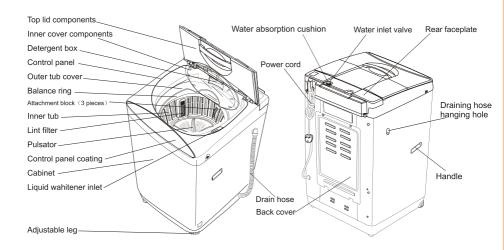
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## Names of the parts

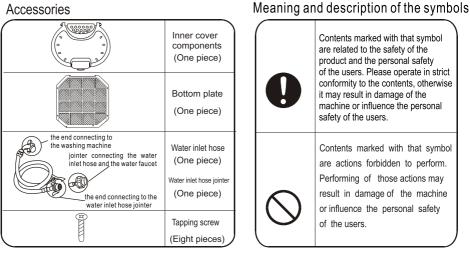
#### Honourable users:

Thank you for choosing our products.

Our products integrate high-tech, precision, frontier science .To facilitate using it, please read this manual carefully and operate this machine according to it.



#### Accessories

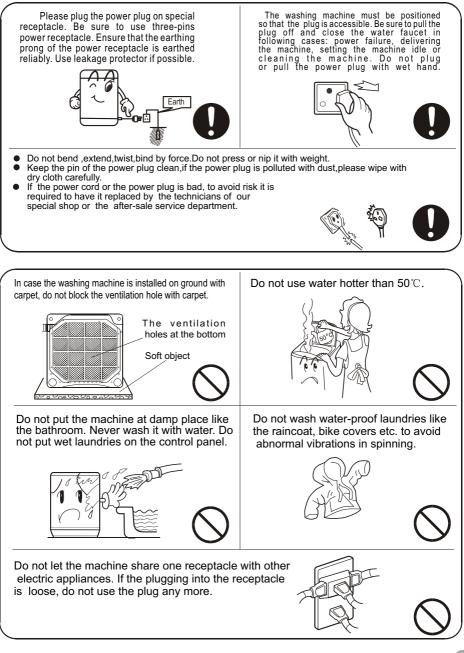


The figure in this manual being sketch map and with the improvement of our products, the machine you buy is like to be different from the figure indicated in the manual .Please understand.

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# **Safety precautions**

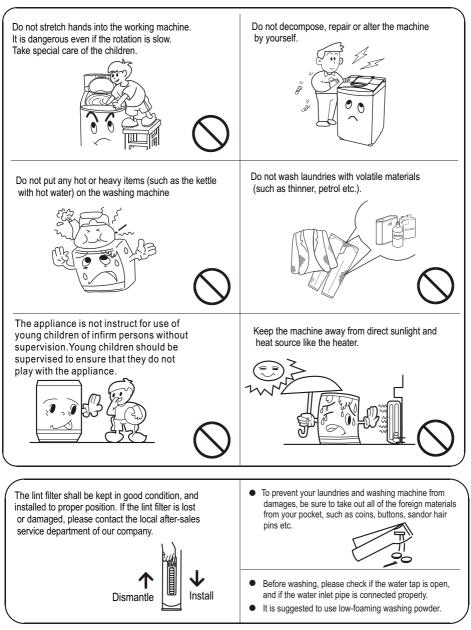
# Before Using



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# **Safety precautions**

# Before Using



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# Installation and adjustment

Before Using

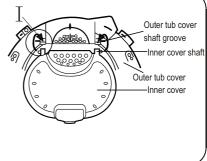
Please install and adjust the machine according to the requirement of the manual. It is very important to your security and correct operating the machine.

### Install the inner cover components

1.Open the top lid of the washing machine.

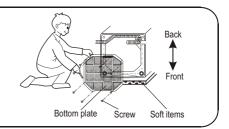
2.Put the inner cover component on the outer tub cover, aiming the inner cover shaft to the installation hole of the corresponding outer tub cover shaft groove.

3. Firstly insert the inner cover shaft of I side into the correspon -ding 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.



### Install the bottom plate

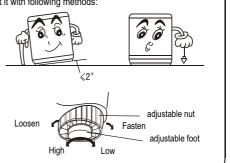
After opening the package, please lean the washing machine gently down on soft items (like towel cloth, blanket, etc.). Install the bottom plate to the bottom of the machine with eight screws by a cross screwdriver, then lift the machine up gently. See to the figure:



### Adjust the Installation position

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

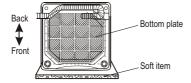
- Confirm it's horizontal Hang the plumb to confirm it's horizontal
- Adjust the adjustable foot
  - (1) To twist the adjustable foot at the right front of the cabinet (front the sight of front), please first lift up the side of the foot slightly, loosen the adjustable nut, and twist the foot.
  - Fasten the nut after adjustment.



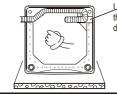
# Before Using

### How to change the direction of the drain hose

1.Lean the machine down gently with the front surface facing the ground. Loosen the eight screws by a cross screwdriver.

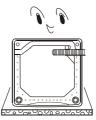


2.Pull out the drain hose from the groove at the left side.



Use groove at this side after direction changing

3.Extend the drain hose from the right side. Push the drain hose into the groove with hands.



4.Install the bottom plate (as per indicated before), then lift the machine up gently.



### Usage of the drain hose

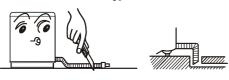
The drain hose shall drain smoothly

- 1. The height of the drain hose shall be less than 10cm, or the drainage will not be smooth, and cost such long time that the machine may stop at mid way.
- 2.Do not ramp or press the drain hose.

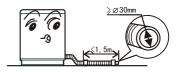




If the drain hose is too long, cut it at mid point. To make smooth drainage, cut the front end of the hose slantingly.



4.If extra drain hose is needed, please make separate purchase. The inner diameter of the extra hose shall not less than 30mm, and the length shall not exceed 1.5m.

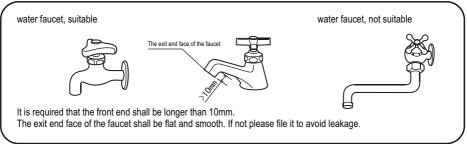


5. If the extra hose is too long, cut it either at A or at B point.



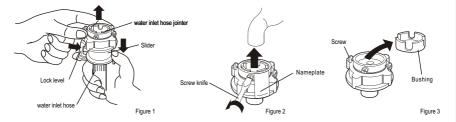
## Install the water inlet hose Before Using

### Confirm the water faucet



### Connection between the water inlet hose jointer and the water faucet

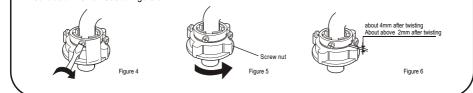
- 1.Press the lower end of the lock lever and push down the slider. Take off the water inlet hose jointer from the water inlet hose component. See to Figure 1.
- 2 Loosen the screw till the water faucet can be accessed. Put the jointer of the water inlet hose on the faucet. See to Figure 2. (If the faucet is too large and the jointer can not be set on the water faucet, please loosen the four screws and take out the bushing in the jointer. The front end of the faucet must be smooth, otherwise it may leak water. See to Figure 3.)



3.Fasten the four screws evenly. See to Figure 4.

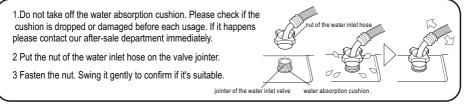
4 Take off the nameplate. Twist the fastening nut as per the indication of the figure to seal up the exit end face of the faucet. See to Figure 5.

Remark: .Before twisting the fastening nut, the threading is 4mm above the upper surface of the nut. After twisting, the threading is less than 2mm above the upper surface of the nut. See to Figure 6

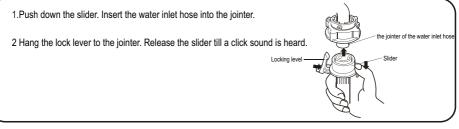


# Before Using

### Connection between the water inlet hose and the washer



# Connection between the jointer of the water inlet hose and the water inlet hose



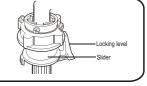
# Check the connection between the jointer of the water inlet hose and the water faucet

Swing the hose gently to confirm if it is fastened stable.
 After installation, open the faucet to check if it leaks.
 Do not bend the hose with overstrain.

4.Before each usage please check if the connection between the jointer of the water inlet hose and the water faucet, and the installation of the water inlet hose are firm, so as to prevent dropping from improper installation position.

### Dismantle the water inlet hose

- 1. Close the water faucet.
- Press the locking lever. Push down the slider. Then pull of the water inlet hose. If the machine is used frequently, the jointer of the water inlet hose can be kept on the faucet to prevent damaging the fixing screw.



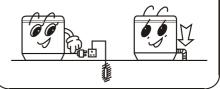
**Remarks:** use the new hose sets supplied with the washer. Any other old hose sets should not be used.

# **1 Preparation before washing** Using process



#### Preparation before washing

- 1.Connect the water inlet hose. Open the water faucet.
- 2.Confirm that the washing machine is earthed reliably. Then insert the power plug into the receptacle. The earth terminal shall not link to gas pipeline and faucet water pipeline.
- 3.Put down the drain hose.



#### Pay attention to following before washing

Check if the laundries has special requirement on washing Clear the pocket. Take out the coins, sand, hairpins etc.

Tie the long strips; fasten the buttons; close zippers. The quantity of the laundries shall not be too large. Stretch and loosen the laundries before putting them in the tub. When the pulsator is running, the buttons of the laundries may cause noise. For the sake of discretion, please put the laundries with buttons into other laundries.



- a. Check if the laundries are applicable for washing with machine.
- b. Divide the laundries that are not colorfast from other laundries.
- c. Put those laundries difficult to absorb water into water with hand.
- d. For those laundries with heavy soil, please first remove the dirt like mud or dust. For the parts with heavy soil, please apply detergent on them in advance, which can make it easier to remove the soil.
- e. For those laundries that may get lint ball and those with long fur, turn it over before putting in.
- f. Do not put those laundries polluted by chemicals into the washing machine directly.

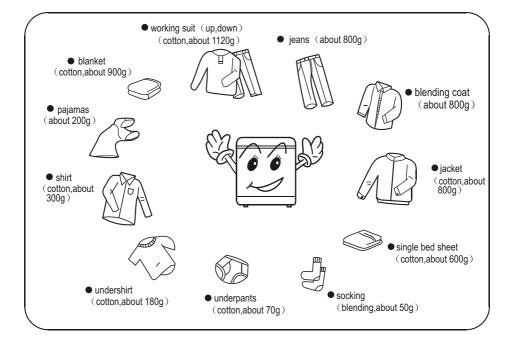
# **2 Put in the laundries**

### Using process

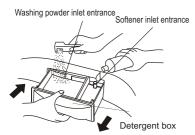


- The capacity of washing and spinning of the machine refer to the largest weight of the standard laundries under dry condition that can be washed or spinning in one time. One time washing quantity shall be lower than the rated capacity. The largest capacity of this machine is 9.0kg.
- The thickness, size, type of the cloth will influence the actual washing capacity. It is suitable for one time washing to put in reasonable amount of laundries and the laundries can be turned round in washing.
- Do not select above 4 water level for laundries small than 1.0kg, so as to avoid splashing of water.

#### Reference weight of the laundries:



# 3 Usage of the detergent Using process



### How to use the whitener

- Fill water to decided level .Dilute the whitener with container. Pour it slowly into the washing tub.
- Avoid using whitener on laundries with colour or pattern as they are prone to lose colour.
- The whitener shall not touch the laundries directly.
- Refer to the user's manual for the usage and quantity of the whitener.
- For powder whitener, please dissolve it before use.

#### How to use softener

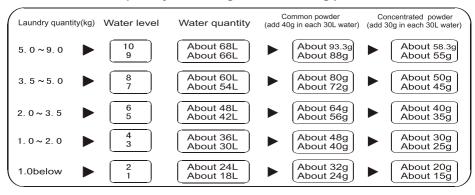
- When you use softener, the softener must be lower than the underside of water cap.
- Please often wash the detergent box, because softener may curdle easily.
- Before use softener, you must select to disinfect clothes.

- Add the washing powder or softener into the detergent box directly as indicated in the left figure.
- After adding washing powder ,please close the detergent box. See to following table for the dosage of the washing powder.

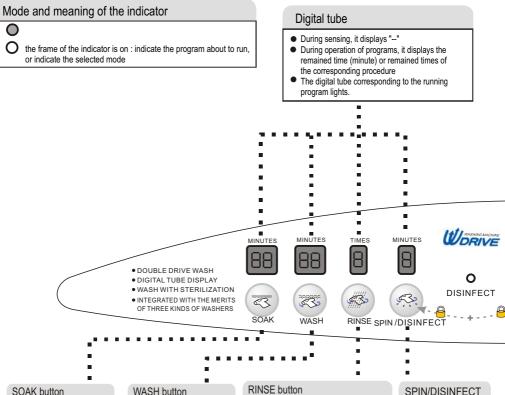
### How to use the washing powder

- Direct dissolved in the machine(not applicable for fuzzy and reserve programs)
  - 1.Fill small quantity of water.
  - 2.Add the power. Run for 30 seconds to dissolve it completely.
  - 3.Put in the laundries. Select suitable water level.
- The instant dissolving of the washing powder:
  - 1. Prepare warm water of 30  $^\circ\!\mathrm{C}$  and a container.
  - 2. Add the powder while stirring to fully dissolve it.
- It is suggested to use liquid detergent when you use SAVE WASH.
- Please add the powder according to the laundry quantity, water level and water quantity.
- It is suggested not to use high sudsing detergent.

#### Water level, water quantity and dosage of the washing powder



#### 4 Use the operation buttons Using process a Description of the function of the buttons



- Push the SOAK button to set the soak procedure.
- · During standard and jeans programs, push the SOAK button to set different soak time (10.20.30 or 40 minutes)
- During normal and cotton programs, push the SOAK button to select soak procedure, but the soak time can not be changed.
- · During save, posthaste, woollen and silk programs, push the SOAK button, the machine have no reaction.

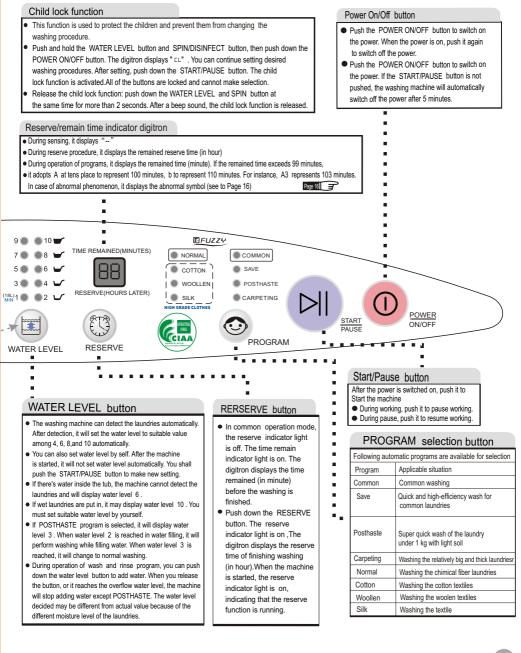
#### WASH button

- · Push the WASH button to set the wash procedure.
- · During common and carpeting programs, push the WASH button to set different wash time (from 0 to 25 minutes)
- During normal .cotton woollen and silk programs, push the WASH button to select wash procedure, but the wash time can not be changed.
- · During save, posthaste programs, push the WASH button, the machine have no reaction.

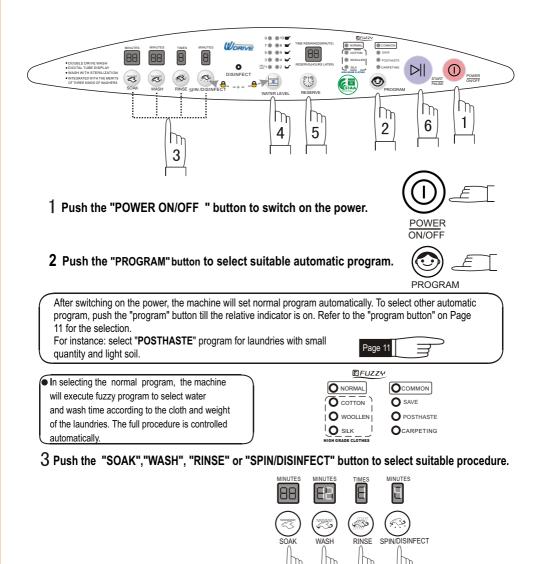
- Push the RINSE button to set the rinse procedure.
- During common carpeting jeans programs, push the RINSE button to set different rinse times (0, 1, 2, 3, 4 times)
- During normal, cotton woollen and silk programs, push the RINSE button to select rinse procedure, but the rinse times can not be changed.
- During save , posthaste programs, push the RINSE button, the machine have no reaction
- During common program, the machine is set to save water program. If you push the RINSE button before starting operation, it will change to water storage rinse program.

#### SPIN/DISINFECT

- Push the SPIN/DISINFCT button to set the spin and push it over 3 seconds to set the disnfect procedure. If you push it again,the indicator will be off, then you would cancel it.
- During common and carpeting programs, push the SPIN/DISINFCT button to set different spin time (from 0 to 9 minutes)
- During normal, cotton, woollen and silk programs, push the SPIN/DISINECT button to select spin procedure, but the spin time can not be changed.
- During save , posthaste , programs, push the SPIN/DISINFCT button, the machine have no reaction. After you select to disinfect
- clothes , the disinfector will enter into inner tub automatically only when RINSE procedure is coming



**D** Steps of using the operation buttons and description of the steps

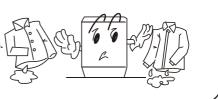


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After switching on the power, the washing machine will set to common program including"wash, rinse, spin "automatically.To select other procedures, push the "SOAK"," WASH"," RINSE"or "SPIN/DISINFECT" button to select the time of soak,wash and spin, and the times of rinse. After switching on the power, if you push one of the button among "WASH", "RINSE"and"SPIN/DISINFECT", the digitron of the former procedures will turn off automatically. The former procedures will not run. For instance: after switching on the power. If you push the "SPIN" button first, it will execute spin singly after starting.

#### Attention

- Even there's no water in the tub, a certain period is required before spin starting.
- Do not use the soak program for the woolen textiles.
   Separate the laundries that are not colorfast from
- other laundries in washing.
- The pulsator will not rotate unless the water is filled to water level 3.



• After the machine starts operation, you can only set the program and procedure during washing, and can not make setting in other cases.

- The soak program can be used as fitting of common, carpeting, nomarl or cotton automatic programs. It will do soaking with intermittent stirring of pulsator.
- When you select to disinfect clothes. You select to use softener too. If you don't select to disinfect, please put don't in softener.

# 4 Press " WATER LEVEL "button, select suitable water level



After switching on the power, the washing machine will execute fuzzy program automatically to detect the cloth. After defection, it can set the water level automatically. To select other water level, first push the "START/PAUSE" button, then push the "WATER LEVEL" button to set the water level. Refer to "water level, water quantity and desoge of powder"in Page 9 and "WATER LEVEL"button in Page 11 for selection.





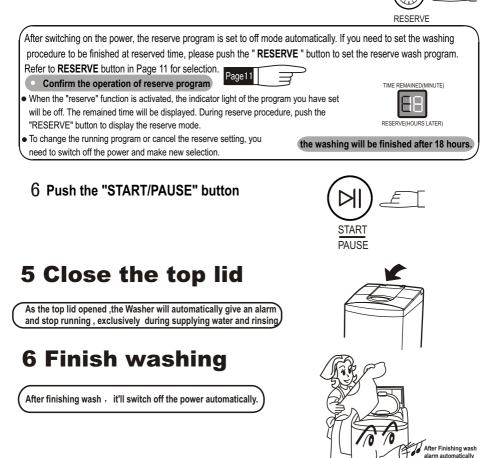
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#### Water Level and Time Table for Each Program (self programming not included)

Program	Water level	Wash(minutes)	Rinse(minutes) Spin(minutes)		Total time(minutes)
Common	1~10	About 9-11	Rinse twice, about 3 each time	Rinse twice, about 3 each time About 5	
Save	1~10	About 5	Saving water program, total about 10 minutes		About 20
Posthaste	3	About 2	Saving water program, total about 4 minutes		About 6
Carpeting	1~10	About 20	Rinse twice, about 5 each time About 7		About 54
Normal	1~10	About 10-14	Saving water program, total about 13 minutes		About 25-29
Cotton	1~10	About 10	Rinse three times, about 3 each time About 5		About 48
Woollen	1~10	About 3	Rinse twice, about 2 each time About 3		About 25
Silk	1~10	About 5	Rinse twice, about 2 each time	About 4	About 30

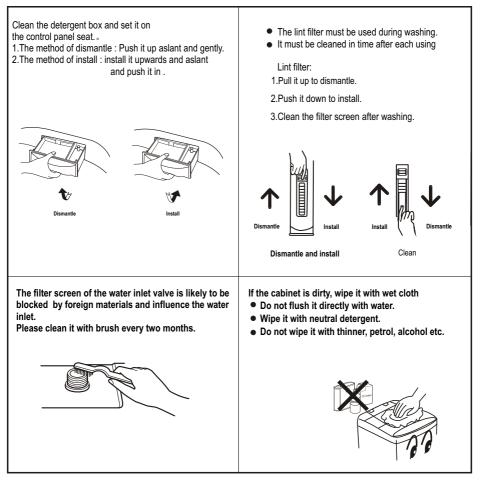
- \* Total time: including the normal water inlet time and drain time. The total washing time may be influenced by the water inlet pressure and water level.
- \* Spin time: From the moment the intermittent spinning starts to the moment it stops running (the time displayed on spin digitron is from intermittent spinning to the moment before inertia spinning; the time displayed on the time remain digitron is the total remained time)
- \* In selecting "posthaste" program, the washing machine will set the complete procedures of water level selectior, washing, rinsing and spinning automatically.
- \* During saving water program, if the water inlet pressure is lower, the machine will come into rinse with water .
- \* When selecting soak procedure, it will first soak for 10~40 minutes , then do washing , rinsing and spinning .

### 5 Push the "reserve" button to select suitable reserve wash program (3



# 7 Disposal after washing Using process

- After using, please clean the lint and foreign materials of the lint filter etc. in time. Otherwise it may influence
  your using the machine.
- Please first pull off the power plug from the receptacle before cleaning.



1.After washing, close the water faucet. ( If needed, you can dismantle the water inlet hose).

2.Do not store water in the washing machine for a long period. Drain the water completely after each using.

3.Be sure to pull off the power plug before maintenance.

4. Hang up the power cord and drain hose.

5. Wipe off the water drops on the surface of the machine and inside the tub. Open the top lid for some time ( about 1 hour), then close the top lid.

# **Trouble-shooting answer to question**

(If there's breakdown, please pull off the power plug before checking) The following phenomena are not breakdowns sometimes. Please confirm again before sending it to repair. If there are real breakdowns, please come to the special maintenance department or after-sale service department of our company. Do not repair it by yourself.

Phenomena		The reason	How to settle	
The digitron displays E0.		The top lid is opened during reserve procedure.	Close the top lid.	
The drainage cannot work, or is too slow. The digitron displays E1.		<ul> <li>Is the drain hose put down?</li> <li>Is the drain hose blocked?</li> </ul>	Put down the drain hose. Open and close the top lid once.     Clean the foreign material. Open and close The top Lid Once.	
It stops running in midwa displays E2.	y. The digitron	The top lid is not closed.	Close the top lid.	
The safety switch acts, and the spinning cannot work. The digitron displays E3.		Are the laundries put slantingly?     Is the machine slanting?	Reorder the laundries. Close the top lid.     The machine will start running after 10     seconds of being placed horizontally.	
The water filling does not work, or is slow. After about 15 minutes later, the digital displays E4.		<ul> <li>Is the water tap opened, or is there water supply failure?</li> <li>Is the water inlet valve blocked?</li> <li>Is the water pressure too low?</li> </ul>	Open the water tap. Open and close the top lid once.     Clean the water inlet valve then open and close the top lid once.     Open and close the top lid once.	
The digitron displays E6.		The water level sensor is bad.	Please contact the after-sales     service department.	
The digitron displays E8.		The power voltage is too low.	Pull off the power plug. Wait for the voltage resuming normal before usage.	
The digitron displays E9.		The power voltage is too high.		
The machine does	Not wash	<ul> <li>Is there power failure?</li> <li>Is the power plug inserted tightly?</li> <li>Is the water level reached preset position?</li> </ul>	<ul> <li>Please use it when there's power supply.</li> <li>Insert the power plug tightly.</li> <li>Fill water to the preset position.</li> </ul>	
not act	Not spin	<ul> <li>Is the power plug inserted tightly?</li> <li>Is the top lid closed reliably?</li> <li>Are the laundries set flat?</li> </ul>	<ul> <li>Insert the power plug tightly.</li> <li>Close the top lid.</li> <li>Set the laundries flat.</li> </ul>	
There's abnormal sound inside the machine		<ul> <li>Is the machine slanting?</li> <li>Are the laundries put slantingly in spinning?</li> <li>Are there any foreign materials?</li> </ul>	Adjust the machine to be even     Reorder the laundries and close the top lid.     Remove the foreign materials.	
The water tap leaks		<ul> <li>Is the screw of the jointer of water inlet hose loose or awry?</li> </ul>	Fasten the screw of the jointer properly.	

#### Common phenomena

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Phenomena	Explanation
The spinning is intermittent when it starts.	Balance the laundries to avoid slanting.
<ul> <li>The wash procedure pauses.</li> </ul>	<ul> <li>The cloth sensor is detecting, it will add water after about 48 senconds.</li> </ul>
<ul> <li>Select spin program, but it does not work.</li> </ul>	<ul> <li>The program is setting the drain time , certain period is needed before it starts spinning.</li> </ul>
<ul> <li>There may be some water flowing out of the drain hose in the first use of the machine.</li> </ul>	<ul> <li>It is the water remained performance inspection by the factory.</li> </ul>

# **Packing list**

Name	Quantity	Storage position
User's manual	One	Inside the document bag
• Components of the water inlet hose	One	Inside the accessory bag
Tapping screws	Eight	<ul> <li>Inside the accessory bag</li> </ul>
Inner cover component	• One	Inside the accessory bag
Bottom plate	• One	<ul> <li>Between the upper cushion of the washing machine package and the upper seal of the package carton</li> </ul>
Computerized Automatic     washing machine	One	

# **Specification table**

Model	HWM90-98
Rated voltage • frequency	220V-240V ~ • 50Hz
Rated washing / spinning capacity	9.0kg
Water level/Water quantity (about)	1/18L、2/24L、3/30L、4/36L、5/42L、6/48L、
	7/54L、8/60L、9/66L、10/68L
Max water consumption	About 120L (Highest water level; Normal program)
Water Injection pressure	0.03MPa~0.78MPa
Rated washing input power	380W
Rated spinning input power	300W
Weight	About 39kg
Overall dimension	L 610 mm W 580mm H 975 mm

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