

# Washing Machine OWNER's MANUAL

Automatic Front-Load Washing Machine Lavadora Automática de Carga Frontal



MODEL/MODELO
PWM720FG



This product is for domestic use only

Service Manual Important Safeguards

Manual de uso y cuidado Precauciones importantes

Este producto es para uso doméstico únicamente.

## **CONTENTS**

1	Safety notices	2
1.	datety flotices	
2.	Function and technical instruction	3
3.	Parts name	-4
4.	installation	-5
5.	Control panel	. 6
6.	electrical schematic	-9
7.	Troubleshooting display and diagnosis	-11
8.	Troubleshooting display and service	.14
9.	Dismounting guide	18
10.	Exploded view2	21

This manual is applicable to the production of Galanz automatic washing machine series, only for guiding maintenance, not as maintenance based on other brand or OEM product.

For subsequent development and improvement, maybe some of washing machine parameters have been adjusted, specific to the washing machine practical parameters or product instruction

### **Safety Notices**

In order to avoid harm or injure user and other's life and property, the follow instructions about safety should be seriously obeyed:

■ Ignore the content. When wrong to use, use the following mark to classify and express the possible harm or damage degree.



warning

Please note the content of warning signs, if violate, it may occur serious injury or death.



#### warning

### • possible electric shocks

- 1. Disassembly, reparation or modification cannot be carried out by people other than professional maintenance staffs.
- 2. Must be pulled out power plug after using or when it is maintaining or cleaning.
- 3. If the supply cord damaged, it must be replaced by professional staffs.
- 4. Do not use washing machine if machine is damaged, faulted, parts are loosed, lost or damaged.
- 5. Please use alone the 220V, above 10A power plug, which must be connected to a three-core socket. Do not use wiring board to power on.
- 6. Socket must be with an earth wire and is grounded properly and reliably.
- 7. Do not touch the power plug with wet hands.
- 8. Keep the supply cord tidy. Do not wipedust by wet cloth.



#### warning

- Possible Explosions
- 1.Do not put combustible / volatile material or the clothes with the above material into the appliance or nearby.
- 2.Do not mix chemicals, or produce toxic and threaten life.
  - 3.Do not use appliance when leakage of gas.



#### warning

- Fire accidents or electric shock may occur
- 1.Do not install the appliance close to fire sources or heat sources.
- 2.Do not install the appliance in the open air, in gas places below  $0^{\circ}$ C or with wet air.
- 3.Do not use the appliance on the carpet. The places installed the appliance must be flat and fastness.
- 4.Do use low foaming detergent.
- 5.Do not use water shooting at the appliance when cleaning it.



#### warning

- Possible for high temperature cause burns or damage.
- When wash in the high temperature, the glass door will be hot,please do not contact machine door, especially children.
- Water is hot after high temperature washing drainage.Do not nearby.
- 3. During high temperature washing, must drain the hot water befor coercively open the door.



#### warning

- Possible personal injury
- 1.Please abandon the removed package in time, do not let children contact or swallow.
- 2.Do not let children contact or near the machine.



## Attention

- •list as below may cause damage\deformation\collision.
- 1.Remove all the water in the washer to avoid freezing. Do not climb or leave heavy things on the washer.
  - 2. Two persons are needed to move the washer. Bolts must be installed in advance before moving.
  - 3. The water should below 95°C when washing with clean water.
  - 4. Make sure that all the things (coin\clip\hook) are taken out
  - 5.Do not wash water-proof clothes such as raincoat\down jacket\shower curtain\sleeping bag
- 6. Washer is for clothes that can be washed. Any question, please refer to the washing instruction on the clothes.

# 2. Specification for function and technology

7KG series

•pre-wash

The function is applicable for clothes soiled heavily.

Intensive rinse

The function is for clothes soiled heavily and delays the washing time.

soaking function

One more soaking function can help to decompose the stain on the clothes.

•drain-free function

To prevent wrinkle, no drain after final rinse, press start button to continue the next drain and spin procedure.

#### degerming

More energy will be consumed to do washing or degerming for the clothes or interior of the machine. The function is not recommended.

### •child lock

Child lock will prevent the child changing the washing procedure by pressing any button (power button is excluded)

#### power off memory

It will works as previously if the power is off suddenly during washing.

## drain protection

The washer will stop draining if the temperature is too high and the procedure for cooling down will start automatically until it is lower than  $60^{\circ}$ C to avoid danger.

#### Opening door protection

The light is on when the washer works and you can not open the door. It can be opened when the washer stops work and the light gets off. Meanwhile, the door can not be opened when the water is above 60°C to get rid of danger.

## Foam check

The defoaming procedure will start automatically if too much foam happens. No-foam or little-foam washing powder is recommended.

#### **6KG** series

#### energy-efficient washing

The function is applicable for a small amount of clothes. Less water and electricity will be consumed.

◆Iron-free

To prevent wrinkle, no drain after final rinse, press start button to continue the next drain and spin procedure.

◆Rinsing+

Increase rinse one more time

◆child lock

Child lock will prevent the child changing the washing procedure by pressing any button (power button is excluded)

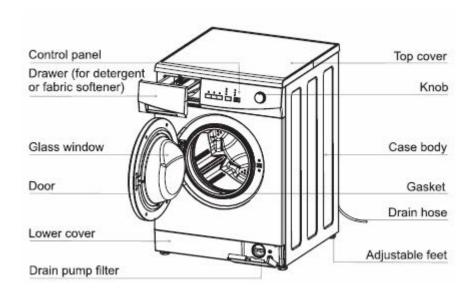
## ◆degerming

More energy will be consumed to do washing or degerming for the clothes or interior of the machine. The function is not recommended.

## ◆foam check

The defoaming procedure will start automatically if too much foam happens. No-foam or little-foam washing powder is recommended.

## 3. Parts name:



## 4. installation

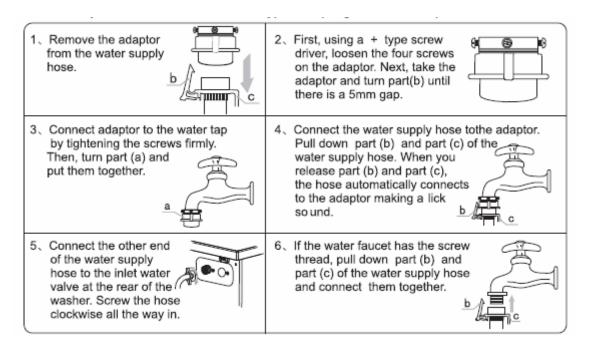
4.1. Remove all outer package, including the foam base, check if the machine is intact. Water drops may appear on the packing plastic bag and the glass of the observation window occasionally, they are condensation resulted from water testing before the product leaves the factory. It is normal.

4.2. Install according to the following order

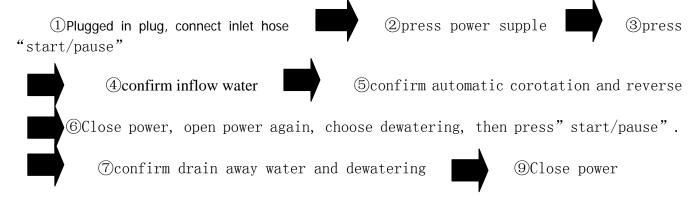
		Transit bolts
Remove the transit bolts	<ul> <li>Remove the transit bolts with the spanner supplied.</li> <li>Keep the transit bolts for future transportation</li> </ul>	装运螺栓
Install the appliance on asolid and lebel floor surface	Install the appliance on a solid and level floor surface. Do not locate the machine on cushions or more than 2 ° ground.	Adjust adjustment feet, make machine smooth. 调节螺母

## 4.2.1 installation

- Inlet hose connection
- Make sure rubble sealing washer inside the joint of valve.
- Connect the inlet hose closely, prevent leaking.

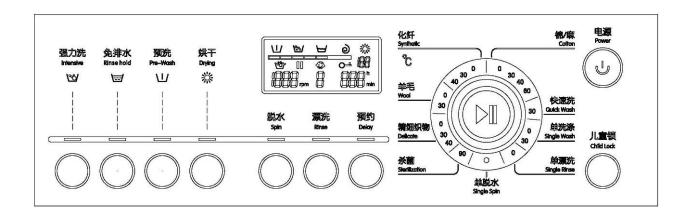


## 4.2.2 Inspection operation

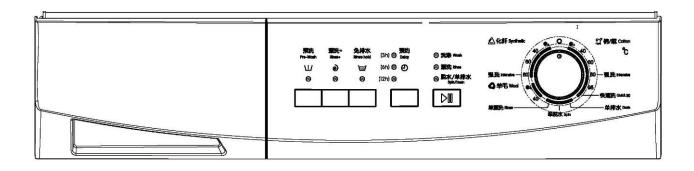


# 5. Control panel

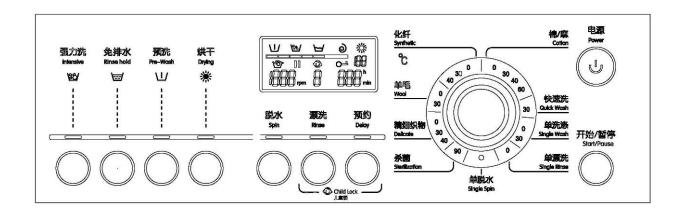
XQG72-A112P, XQG72-DA112P series control panel



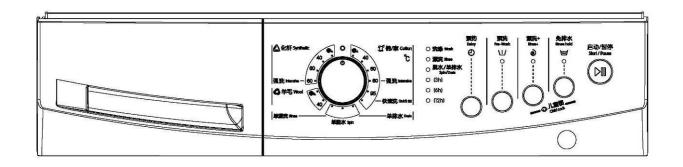
XQG70-A210P、XQG70-A212P series control panel



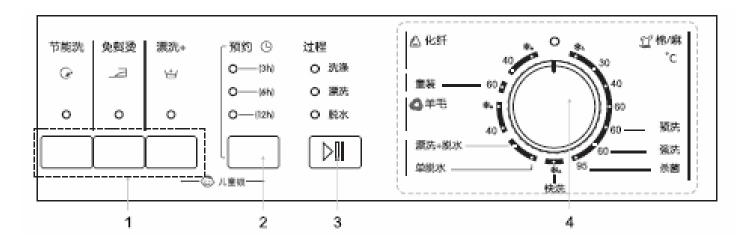
XQG72-A312P、XQG72-DA312P control panel



# XQG70-A410P、XQG70-A412P series control panel

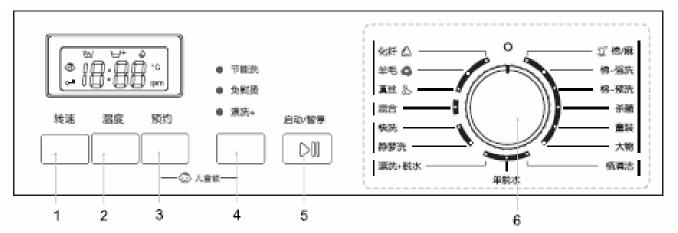


XQG60-A208E/TE、XQG60-A210E/TE、XQG60-A212E/TE series control panel



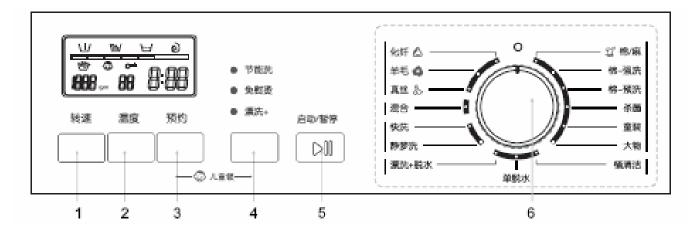
1,function key 2. Reserve 3Start/pause 4.program knob

# XQG60-A508E/TE、XQG60-A510E/TE、XQG60-A512E/TE series control panel



1.spin speed 2.temperature 3. reserve 4. Function key 5. start/pause 6. Program knob

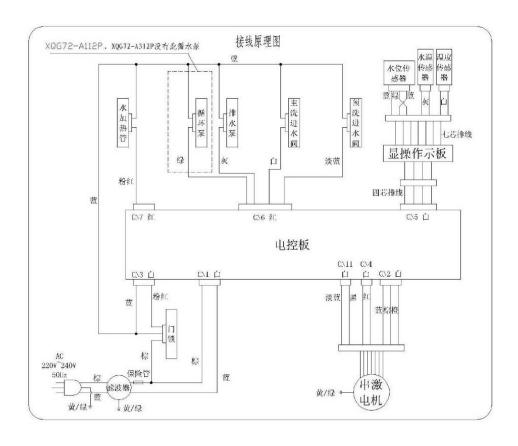
# XQG60-A808E/TE/k/TK、XQG60-A810E/TE/K/、XQG60-A812E/TE/K/TK series control panel



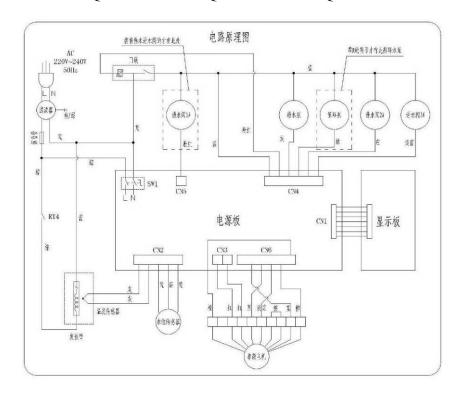
1.spin speed 2.temperature 3. reserve 4. Function key 5. start/pause 6. Program knob

# 6. circuit diagram

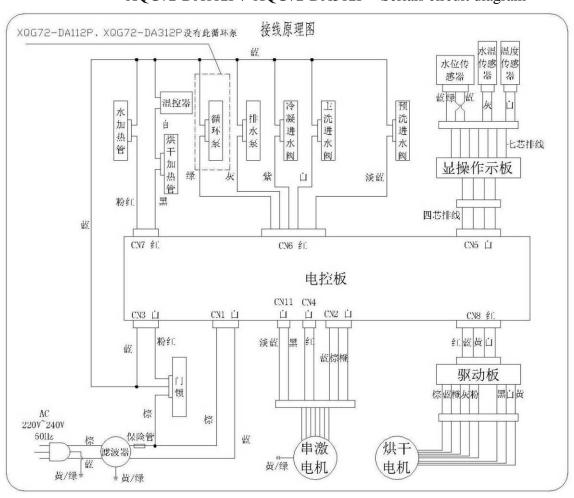
XQG72-A112P、XQG72-A312P Serials circuit diagram



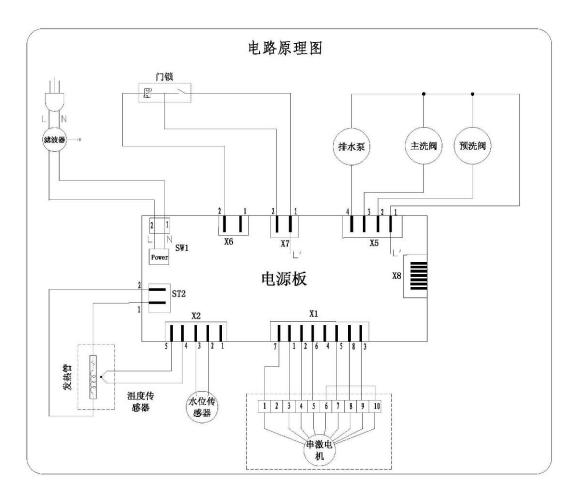
XQG70-A210P、XQG70-A212P、XQG70-A410P、XQG70-A412P Serials circuit diagram



XQG72-DA112P、XQG72-DA312P Serials circuit diagram



# $\label{eq:control_XQG60-A208/E/TE/K/TK} XQG60-A208/E/TE/K/TK \ \ \, XQG60-A808/E/TE/K/TK \ \ \, Serials circuit diagram$



# 7. Error indication & analysis

7. 1, XQG72-A112PR, XQG72-DA112PR, XQG72-A312PR, XQG72-DA312PR Serials error indication.

No.	Error	Code	Checking/Reason	Settlement
1	flooding water error	E01 (E1)	<ul> <li>•flooding water 5-10min. but haven't reach the appointed water level</li> <li>•Is the water tap ON?</li> <li>•Is the water tap frosted?</li> <li>•Does the water is cut?</li> <li>•Is water valve filter blocked?</li> </ul>	1.Push "Start" 2.Open the inlet tube 3. unfreeze 4.Get through the water. 5.Clean the water valve filter
2	Door Error	E02 (E2)	Is the door closed well?     Is the door pressed by the clothes?     wire terminal not connect well or wiring error     Door lock error	<ol> <li>check if the door closed well.</li> <li>Re-put the clothes well.</li> <li>Reconnecting the wire.</li> <li>Change the door lock.</li> </ol>

3	Draining error	E03 (E3)	<ul> <li>draining 5-10min still haven't reach empty water level.</li> <li>water pump filter is blocked by something.</li> <li>Dose draining pump frosted or broken?</li> </ul>	<ol> <li>1.Press "Start" knob.</li> <li>2.Clean the filter</li> <li>3. Change draining pump.</li> </ol>
4	Unbalance error	E04 (E4)	<ul> <li>the machine is gradient.</li> <li>The rolled clothes is reversed in the drum.</li> <li>Few clothes</li> </ul>	<ul><li>1.Put the machine balanced.</li><li>2.Loosen the clothes.</li><li>3.put more clothes.</li></ul>
5	Motor Error	E05 (E5)	<ul> <li>Is the motor wire terminal loose?</li> <li>Is the clothes capacity exceed the rating max. capacity?</li> <li>Is the voltage in a normal status?</li> <li>Motor circuit error</li> </ul>	<ol> <li>Connecting the wire well.</li> <li>Reduce the clothes capacity</li> <li>Connecting the voltage in a normal way.</li> <li>change the motor</li> </ol>
6	Washing heating error	E06 (E6)	<ul> <li>Is the heater connection lost the power?</li> <li>Is the heater temperature sensor lost the power?</li> <li>Heater or heater temperature sensor broken.</li> </ul>	<ol> <li>Connecting the wire well.</li> <li>Connecting the wire well.</li> <li>change a new heater.</li> </ol>
7	Water sensor error	E07 (E7)	Is the Water sensor lost the power?     Water sensor is broken	<ol> <li>Connecting the wire well.</li> <li>change the water sensor.</li> </ol>
8	Heating Motor	E08 (E8)	Heating motor can't work well or need to change	<ol> <li>Connecting the wire well.</li> <li>Change the heating motor.</li> <li>change the PCB</li> </ol>
9	Heating temperature sensor	E09 (E9)	Heating temperature sensor can't work well or need to change	<ol> <li>Connecting the wire well.</li> <li>Change the Heating temperature sensor.</li> </ol>
10	Drying heater	E10	Check if the heater lost power?     Drying heater broken	<ol> <li>Connecting the wire well.</li> <li>change the drying heater</li> </ol>
11	Warming sensor	E11	<ul><li>check if heater temperature sensor lost power?</li><li>heater temperature sensor broken</li></ul>	<ol> <li>Connecting the wire well.</li> <li>change the heater</li> </ol>
12	Drying water level	E12	<ul><li>Check if the water pump is working? Any rubbish blocking?</li><li>The water level is too high when drying.</li></ul>	<ol> <li>Clean the filter.</li> <li>shutdown the machine.</li> </ol>
13	Message error	E14	Check if the control panel lost power?     Message error between the two PCB	<ul><li>1.Connecting the wire well.</li><li>2. shutdown the machine</li></ul>
14	High-water level error	E15	<ul><li>If the inlet water valve is broken?</li><li>The water push out because water level too high in the drum.</li></ul>	<ul><li>1.change the inlet water valve.</li><li>2.cut off the power</li></ul>

# $7.\ 3.\ XQG70-A210P,\ XQG70-A212P,\ XQG70-A410P,\ XQG70-A412P\ Serials\ error\ indication.$

No.	Error	Code	Checking/Reason	Settlement
1	flooding water error	Pre-wash indicator	<ul> <li>•flooding water 5-10min. but haven't reach the appointed water level</li> <li>•Is the water tap ON?</li> <li>•Is the water tap frosted?</li> <li>•Does the water is cut?</li> <li>•Is water valve filter blocked?</li> </ul>	1.Push "Start" 2.Open the inlet tube 3. unfreeze 4.Get through the water. 5.Clean the water valve filter
2	Draining error	Rinse indicator	<ul> <li>draining 5-10min still haven't reach empty water level.</li> <li>water pump filter is blocked by something.</li> <li>Dose draining pump frosted or broken?</li> </ul>	1.Press "Start" knob. 2.Clean the filter 3. Change draining pump.
3	Motor Error	Rinse hold indicator	<ul> <li>Is the motor wire terminal loose?</li> <li>Is the clothes capacity exceed the rating max. capacity?</li> <li>Is the voltage in a normal status?</li> <li>Motor circuit error</li> </ul>	<ol> <li>Connecting the wire well.</li> <li>Reduce the clothes capacity</li> <li>Connecting the voltage in a normal way.</li> <li>change the motor</li> </ol>
4	Water sensor error	Pre-wash + Rinse indicator	<ul><li>Is the Water sensor lost the power?</li><li>Water sensor is broken</li></ul>	<ol> <li>Connecting the wire well.</li> <li>change the water sensor.</li> </ol>
5	Washing heating error	Pre-wash + Rinse hold indicator	<ul> <li>Is the heater connection lost the power?</li> <li>Is the heater temperature sensor lost the power?</li> <li>Heater or heater temperature sensor broken.</li> </ul>	<ol> <li>Connecting the wire well.</li> <li>Connecting the wire well.</li> <li>change a new heater.</li> </ol>
6	Unbalance error	Rinse+ Rinse hold indicator	•the machine is gradient.     •The rolled clothes is reversed in the drum.     •Few clothes	1.Put the machine balanced. 2.Loosen the clothes. 3.put more clothes.
7	Door Error	Rinse hold indicator + Rinse+ Rinse hold indicator	Is the door closed well?     Is the door pressed by the clothes?     wire terminal not connect well or wiring error     Door lock error	<ol> <li>check if the door closed well.</li> <li>Re-put the clothes well.</li> <li>Reconnecting the wire.</li> <li>Change the door lock.</li> </ol>
8	Water level sensor error	Delay start 3 indicator	<ul><li>If the inlet water valve keeping flooding?</li><li>If the Water level sensor not connect well?</li></ul>	<ol> <li>change the water level sensor.</li> <li>Checking wire terminal connect well or change the terminal.</li> </ol>

No.	Error	Code	Checking/Reason	Settlement
1	flooding water overtime	• • © (E1)	<ul> <li>● If the water tap is running or the water stream is too slow.</li> <li>● water level sensor or gasbag leakage</li> <li>● If the flooding water valve is blocking?</li> <li>● PCB broken.</li> </ul>	<ol> <li>Checking the water tap is running or not and the water steam.</li> <li>Checking the water level sensor</li> <li>Cleaning flooding water valve filter.</li> <li>Change the PCB</li> </ol>
2	Door Error	● ◎ ● (E2)	<ul> <li>Is the door closed well?</li> <li>Is the door pressed by the clothes?</li> <li>wire terminal not connect well or wiring error</li> <li>Door lock error</li> </ul>	<ol> <li>check if the door closed well.</li> <li>Re-put the clothes well.</li> <li>Reconnecting the wire.</li> <li>Change the door lock.</li> </ol>
3	Draining overtime	● ◎ ◎ (E3)	<ul><li>check if the drain pump is dirty</li><li>drain pump is blocked.</li></ul>	1. Clean the drain pump
4	Water level sensor error	© ● ● (E4)	<ul><li>If the inlet water valve keeping flooding?</li><li>If the Water level sensor not connect well?</li></ul>	<ol> <li>change the water level sensor.</li> <li>Checking wire terminal connect well or change the terminal.</li> </ol>
5	Washing Motor Error		<ul><li>If the motor wire terminal is loosed?</li><li>If the motor is broken?</li><li>PCB is broken.</li></ul>	<ol> <li>Checking wire terminal connect well or change the terminal.</li> <li>Change the motor.</li> <li>Change the PCB.</li> </ol>
6	Water heater error	© © ● (E6)	<ul> <li>Check if the heater wire terminal is loosed?</li> <li>If Heater temperature sensor is out of power?</li> <li>Heater broken.</li> </ul>	<ol> <li>Checking wire terminal connect well or change the terminal.</li> <li>Reconnect the power</li> <li>Change the Heater</li> </ol>
7	Water heating temperature sensor error	© © © (E7)	<ul><li>Check if the temperature wire terminal is loosed?</li><li>temperature sensor broken</li></ul>	<ol> <li>Checking wire terminal connect well or change the terminal.</li> <li>Change the temperature sensor.</li> </ol>

# 8. Fault diagnosis and repair

- 8.1. Please de-energize (pull the plug or trip the breaker on) before diagnosis or repair
- 8.2. Ensure every wiring harness in the right connection.
- 8.3. Please repair the PC broad in the correct position
- 8.4. Please fully analysis and understand the fault before repair

	Power off	
Sequence	Items	Methods
1	Check the power in the plug	Collect to use power supply
2	Measure the right voltage in the PCB's brown and blue	Checking the energize with
2	wiring harness	wiring harness
3	CPB fault	change CPB

	Bottom fault	
Sequence	Items	Methods
1	Child lock checking	release child lock
2	program fault	Pull the plug and put it on (check the bottom again)
3	Structure of the bottom	Reset

	Water No filling	
Sequence	Items	Methods
1	Check the headwater	
2	Is the water tap turn on	turn on water tap
3	is the valve strainers clogged	clear the valve strainers
4	inlet valve fault	change inlet valve
5	PCB fault	Change PCB

	Unusual noise	
Sequence	Items	Methods
1	Has the transit bolt removed	Remove the transit bolts
2	Has the strap wheel bolt loosen	Screw the bolt
3		Change belt
3	Has the belt wear out	
4	Has the motor had unusual noise	Change motor
5	Has the vibration absorber loosen	Screw vibration absorber

	No hit	
Sequence	Items	Methods
1	Has the wiring harness connected	
2	Has the heating tube broken	Change heating tube
3	PCB fault	Change PCB
4		

Draining fault
----------------

sequence	Items	Methods
1	Has the fill hose bend or frozen	Repair fill hose
2	Has the bilge pump clogged	Clear pump and reconnect it
3	Has the wiring harness connected	Reconnect wiring harness
4	Has the bilge pump broken	
4		Change bilge pump
5	PCB fault	Change PCB

	Door lock fault		
sequence	Items	Methods	
1	Has the door closed and display E02 or E2 signal	Close the door	
2	Gate stop match unfit	Pat the door gently	
3	Has the wiring harness connected	Reconnect wiring harness	
4	Has the door lock broken	Change door lock	
5	PCB fault	Change PCB	

	Motor fault		
sequence	Items	method	
1	Has the wiring harness connected	reconnect wiring harness	
2	Has the motor broken	Change motor	
3	PCB fault	Change PCB	

	Overfill			
sequence	Items	Method		
1	Has the fill hose hand up	Hand up the fill hose		
2	Has the inlet valve broken	Change inlet valve		
3	Has the water level transducer broken	Change water level transducer		
4	PCB fault	Change PCB		

# 8.5. Self check after repair

It needs to fully and compete checking after repair the washing machine.

Ensure it is working in well position.

There is a checking program that can be use to measure the repair result within the washing machine.

Information and detail show below

7KG version

# XQG72-DA112P、XQG72-DA312P (Version)

Measure and checking program (Spin or non spin)

strong rinse key + Rinse hold + Power key three second enter

1、 All the indicator light and LCD bright 0.5 second, off 0.5 second and flash twice ----- 2 second

- 2. first valve inflow 3 second, second valve inflow 3 second, third valve inflow 3 second. second and third valve inflow till 1 grade water level ( water transducer measure the water level. LED or LCD display show 1L-2 when the first valve inflow, stop inflow ------- 18 SECOND
- 3. Water transducer will measure the water temperature. Display show HXX 3sencond. XX means the current water temperature, The temperature is in 0-45  $^{\circ}$ C period. If over this and will come out the waning signal E11 ------ 3S
- 4. Heating pipe work 5 second
- 5, washing motor work, foreword 3 second, pause 3 s, rollback 3s. if the motor do not work, it will have E05signal
- 6. Fourth valve inflow 6 second and drying motor working at the same time 6S. If drying motor not working. It has the signal E08. After motor working 1S, the drying heating pipe will work 5S. LCD show HXX. XX show the current temperature of air outlet( temperature transmitter measurement). It display signal E09,if temperature transmitter fault
- 7. Measurement finish will display end. Open the door

## XQG70-A212P、XQG70-A412P (Version)

press prewashing and then press subscribe, and collect to power after 3 second will enter into online detection condition.

a: indicator light detection: afterward all the indicate light bright 0.5 second, off 0.5 second and flash 3 times and them close display

b: Door lock detection. Unusual situation dislay:

Door lock detection

	Prewashing light	Rinse light	Escape Draining light
door lock	0	0	0

c: first valve inflow detection: first valve open 5 S

d: Second valve inflow detection: second valve open 5S

e: Third valve inflow detection: third valve open 5S

f. 2nd, 3<sup>rd</sup> valve inflow detection: 2, 3 valve open 3S

g: Motor and water circulation pump detection: fore ward 5S, pause 10S, rollback 5S; Normal will turn to the next section. If abnormal will display as motor rolling and water circulation pump open.

	Prewashing light	Rinse light	No Draining light
Motor stop rotate	/	/	0

i heating pipe detection: heating pipe work 5S

Draining pump. motor (high speed) detection

Press prewashing + avoid draining light, and then connect power after 3S into online detection condition

b. Draining pump detection (light on), open draining pump, draining to 0 water level. draining fault show:

	Prewashing light	Rinse light	No draining light
Overtime draining	/	0	/

- c: Spin detection (no draining light on): Draining pump continue open; high speed motor start working. 600RMP within 10S, stop after 10S
- d: Detection compete, switch off motor power, wait until the motor stop, release door lock condition. After 3 times bleeping from control panel means than the door can open. All display turn off, de-energize, compete detection process.

#### 6KG (version)

Before press switch on the power, press K1 key and K2, turn the knob to P01 position and after 3S respond enter into testing routine, buzzing. All indicates/icon flash(0.5S:0.5S on and off) 3times, display show the remaining time PLT. wait the door lock process and press pause key in this time. Program execution to automatic detection. if swirl knob switch to manual option. Please check the detail process below

- 1) C01 prewashing valve detection (P02 POSITION): WATER INFLOW 5s, DELAY 1s
- 2) C02 prewashing valve detection (P03 POSITION): WATER INFLOW 5s, DELAY 1s
- 3) C03 prewashing valve detection (P04 POSITION): WATER INFLOW 5s, DELAY 1s
- 4) C04 prewashing valve detection (P05 POSITION): WATER INFLOW 5s, DELAY 1s
- 5) C05 heating detection (P06 position): judge the water level is in the heating water level, if no reach, must fill

the water into the heating water level, and then start heat up. heating time 5S

- 6) C06 motor direction of rotation detection(P07 position): spin speed 50rmp, fore ward 5S
- 7) C07 outer barrel leakage detection(P08 position): Judge the water level to washing 1 water level, if not, must fill the water in to washing 1 water level. spin speed 250rmp, rollback 20S
- 8) C08 draining detection(09 position): drain to 0 water level and add 10S, and then highest spin draining, add speed and highest spin speed continue 65S.
- 9) Attention: If in the testing process, detection e fault alarm, if happen, please call the policy and stop the process.
- 10) ◆在 D-LED&LCD MODEL 机型中,在各阶段测试时剩余时间窗口显示"C01~C08"。

Attention: If there is any fault in the detection process, the machine will not continue the next section until the fault is solved and restart enter to detection process.

Dealing the detection process, please press start/ pause key or power key to pause or stop the detection process. Press any other key can not work.

# 9. Dismantle guide

Attention: Please ensure to pull the plug or switch off the machine before dismantle and repair

	Control panel			
1	<ol> <li>Please remove the two bolt in the back of the top cover</li> <li>Pull back the top cover and take it out</li> </ol>			
2	① Take off the wiring harness in the lamp panel ②Follow and plus the arrow signal to take out the cap ③Remove two bolt from the ④Pull up the control panel	(图1)	(图 2)	
3	<ol> <li>Remove the 6 bolts in control panel</li> <li>Take off the lamp panel from the top of the control panel</li> </ol>	(E[1)	(E) 2)	

	Distribution box			
1	<ol> <li>Remove the two bolts from top cover component and take of the top cover</li> <li>Follow the arrow side to take off the distribution box</li> <li>Remove the two bolt from inlet sink</li> </ol>			
2	① Remove the inlet sink and one bolt on the right (picture 3)		图 3	
3	① Remove the inlet hose and clip			
4	① Remove the inlet hose(photo 4)		图 4	

admission valve		
<ul><li>① Take of the admission valve's connection</li><li>② Remove two bolts from the back of the admission</li></ul>		
valve  ③Remove the hose clip and hose		

Bottom dam-board		
① Using corns or screwdriver to open the bottom dam-board(photo 5), remove the one bolt		
③ (photo 6). Using the screwdriver to open the	图 5	图 6
dam-borad		

Door	
<ul> <li>① Open the door in wide</li> <li>② open the door seal ring spring(photo 7)</li> <li>③ Remove two bolts from the door hinge, please beware to hold the screw nut.(photo 8)</li> </ul>	图 7

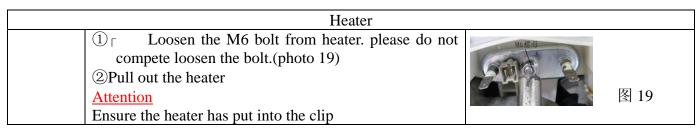
	Door seal ring component	
1	<ol> <li>Remove the outer box door seal ring spring (Photo 7)</li> <li>Take off the top cover</li> <li>Open the below dam-board cover and remove one bolts inside and dam-board. Photo 9 &amp;10)</li> </ol>	图 9 图 10
2	1 Take off the washing powder distribution box (photo 1) 1 Remove the control panel (remind: follow the instruction of removing control panel methods) 2 Remove all the upside and down side bolts from the front cover (photo 11& 12)	图 11 图 12
3	<ul> <li>2 Remove outer tub seal ring spring</li> <li>2 Ensure the weep hole from seal ring is backward with reset. (photo 13)</li> </ul>	图 13

	Pulley, motor and absorber				
1	① Remove the back cover ②Loosen the big screw nut from the pulley and take out the belt ③Remove the pulley				
2	<ul><li>2 Take off the motor connection plug wire</li><li>2 Remove two bolts from motor holder, and take out</li></ul>				

	the motor bush.(photo 14)  ③ Follow the arrow to take off the motor (photo 15)  ④Ensure the bush is in the motor holder while reset the motor	图 14	图 15
3	<ul> <li>①Remove the fixed bolt from absorber.</li> <li>②Take out the absorber</li> <li>③Ensure tighten the fixed bolt while reset the absorber to avoid the noise from spin</li> </ul>		

	Clear draining pump filer				
1	<ol> <li>Turn filer left and take off the water pump filer(photo 16)</li> <li>Clear the stuff from water pump filer(photo 17)</li> <li>Put back the filer in to right position after clear</li> <li>Please well set the dam-board after well set the filer</li> </ol>	图 16	图 17		

Water pump				
①Remove the control panel, dam-board and front cover				
②Remove two bolts from water pump				
③Remove water pump wires	and the second second			
4)Hole the water pump pull up				
⑤ Remove all the hose from water pump	图 18			
6 Remove the pump (remark: photo 8 shows the	10			
well set water pump)				



	Switch component and door lock	
③ T	Remove the front cover real ring spring (photo 7)  Remove the 2 bolt from the fixed door lock (photo 20)  Take off the door lock from the wiring harness nector	图 20

# Drying Thermostat ( model with drying features)

- Open top cover, control panel board, bottom dam-board and front cover
- 2 Remove eight bolt from the top bracing sheet and take off the front top bracing sheet (photo 21)
- ③Remove the bolt from the outer box.(photo 22)
- 4)Then take off the drying thermostat



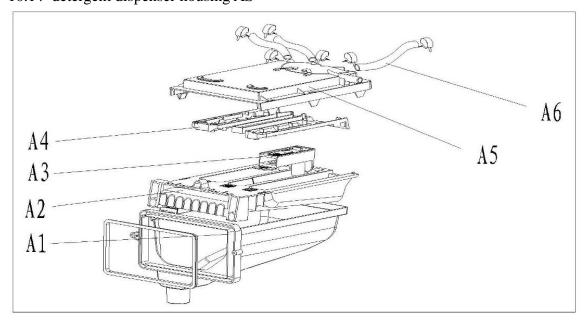
图 22

Drying motor(model with drying	ng features)
<ol> <li>Remove the top cover</li> <li>Take out the drying motor plug wire</li> <li>Remove the fixed bolt from the drying motor</li> <li>23)</li> </ol>	(photo 图 23

Drying heating pipe(model with drying features)				
<ul> <li>① Remove top cover</li> <li>③ 「 Take off the plug wire from drying motor and drying heating pipe</li> <li>④ 「 (photo 24)。 Remove the fixed bolt from drying motor and drying heating pipe.</li> </ul>	图 24			

# 10. XQG72-A112P, XQG72-DA112P, XQG72-A312P, XQG72-DA312P each part exploded view.

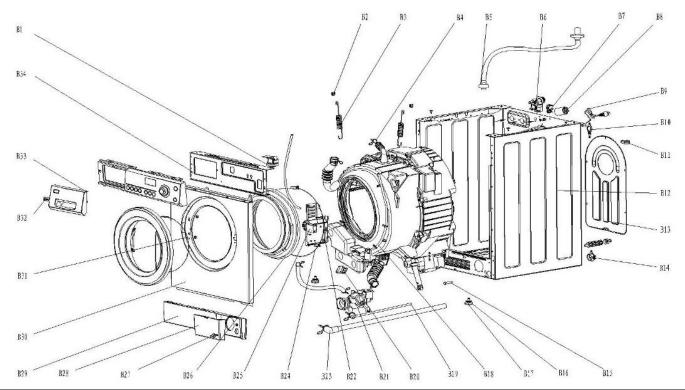
# 10.1, detergent dispenser housing AS



No.	Code	Name	Quantity	Materail	Remark
A1	XA1QG72D. 6. 2-1	detergent dispenser housing	1	PP	
A2	XA1QG72D. 6. 1-1	detergent dispenser	1	PP	
А3	XA1QG72D. 6. 1-2	siphon	1	PP	

A4	XA1QG72D. 6. 2-2	distributary box	1	PP	
A5	XA1QG72D. 6. 2-3	distributary box cover	1	PP	
A6	XA1QG72D. 6-1	hose	3	EPDM	

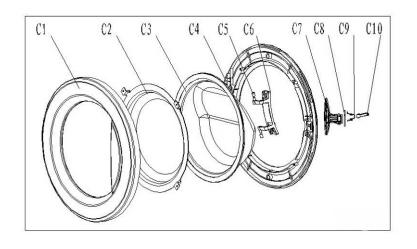
# 10.2, OUTER TUB ASSEMBLY



No.	Code	Name	Quantity	Materai1	Remark
B1	XDQ10-01	pressure sensor	1	AS	
B2	X1QG60. 1-8	suspension spring stopper	2	POM	
В3	XA6QG70E. 7-4 (127)	suspension spring	2	65Mn	
B4	XBJ01-02	hose clamp 13	2	65Mn	
В5	XSL03-03	INLET HOSE AS	1	AS	
В6	XDQ02-01	inlet valve	1	AS	
В7	XA1QG72D. 12-7	PLASTIC HOSE CLAMP	1	PP	
В8	X1QG60. 9. 2-1	filter	1	AS	
В9	XDQ05-06	power cord	1	AS	
B10	X1QG60. 12-12	hole cap	5	PP	
B11	XA1QG72D. 12-7	hose clamp	1	PP	
B12	XA2QG70E. 1. 1 (068)	cabinet AS	1	AS	
B13	XA1QG72D. 1-2	back cover	1	SGCC	
B14	XA1QG72D. 1-5	drain hose frame	1	PP	
B15	XLD02-05	lower balancer bolt	1	Q235-A	
B16	GB/T6170-2000	adjutable feet nut	4	Q235-A	
B17	XXJ01-01	adjutable feet	4	Q235-A	
B18	XA1QG72D. 7-15	air tube	1	PVC	
B19	XA1QG72D. 9. 2-2	emergency drain tube	1	EPDM	

B20	XA1QG72D. 1-8	door lock water retaining slice	1	PVC
B21	XA1QG72DE. 9. 2	drain pump	1	AS
B22	XA1QG72D. 9. 1	electronic control box as	1	AS
B23	XA1QG72D. 7-3	drain tube	1	EPDM
B24	XA1QG72D. 7-11	Inner door seal clamp	1	65Mn
B25	XA1QG72D. 9-5	door lock	1	AS
B26	XA1QG72DE. 7-9	door seal	1	EPDM
B27	XA1QG72D. 9. 2-3	drain-pipe stopper	1	PP
B28	XA1QG72D. 4-2	pump cover	1	ABS
B29	XA1QG72D. 4-1	lower panel	1	ABS
B30	XA1QG72D. 1-3	front panel	1	SPCD
B31	XA1QG72D. 7-10	Outer door seal clamp	1	Stainless
B32	XYS05-01	LOGO	1	ABS+AI
В33	XA1QG72E. 6. 1-3	drawer	1	ABS
B34	XA2QG70E. 1-1 (044)	upper frame	1	SGCC

# 10.3 Door AS

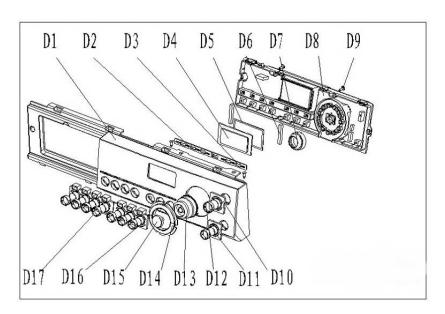


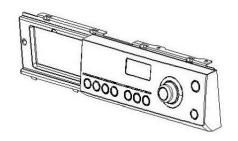


No.	Code	Name	Quantity	Materail
C1	XA1QG72D. 5-6	door decorated ring	1	ABS
C2	XA1QG72D. 5-4	transparency window	1	透明 ABS
C3	XA1QG72D. 5-5	door glass	1	GALSS
C4	XA1QG72D. 5-3	door frame	1	PP
C5	XA1QG72D. 5-2	hinge cap	1	POM
С6	XA1QG72D. 5-1	door hinge	1	ZINC BASE

				AIIOY
C7	XA1QG72D. 5-8	door handle	1	PP
C8	XA1QG72D. 5-10	door handle pin	1	45#
С9	XA1QG72D. 5-9	door handle spring	1	SUS304
C10	XA1QG72D. 5-7	door hook	1	ZINC BASE AIIOY

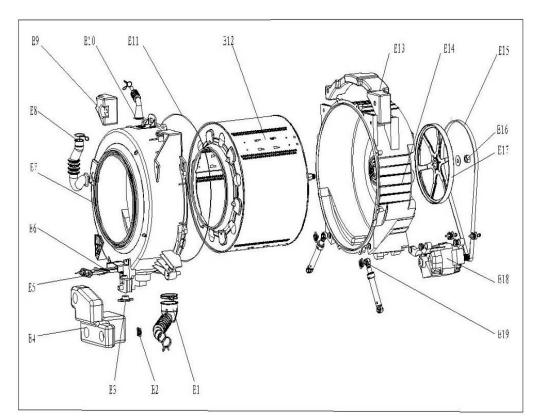
# 10.4, Control Panel AS

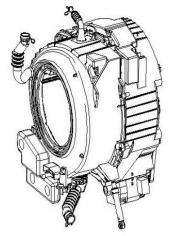




No.	Code	Name	Quantity	Materail	Remark
D1	XA1QG72D. 3-1	control panel	1	ABS	
D2	XA1QG72D. 3-11	light display board 1	1	PC	
D3	XA1QG72D. 3-12	light display board 2	1	PC	
D4	XA1QG72D. 3-13	LCD display board	1	PET	
D5	XA1QG72D. 3. 1-7	LCD seal ring	1	EVA	
D6	XA1QG72D. 3. 1-8	LCD support sponge	1	EVA	
D7	XA1QG72D. 3-14	knob fixed ring	1	POM	
D8	XA1QG72E. 3. 1	pcb housing	1	AS	
D9	SJ2824-87	bolt	6	DACROMET	
D10	XA1QG72D. 3-6	button 1	1	ABS	
D11	XA1QG72D. 3-7	button 2	1	ABS	
D12	XA1QG72D. 3-4	button ring 1	1	ABS	
D13	XA1QG72D. 3-2	knob	1	ABS	
D14	XA1QG72D. 3-3	knob ring	1	PET	
D15	XA1QG72D. 3-10	knob button	1	ABS	
D16	XA1QG72D. 3-8	button 3	1	ABS	
D17	XA1QG72D. 3-5	button ring 2	1	ABS	

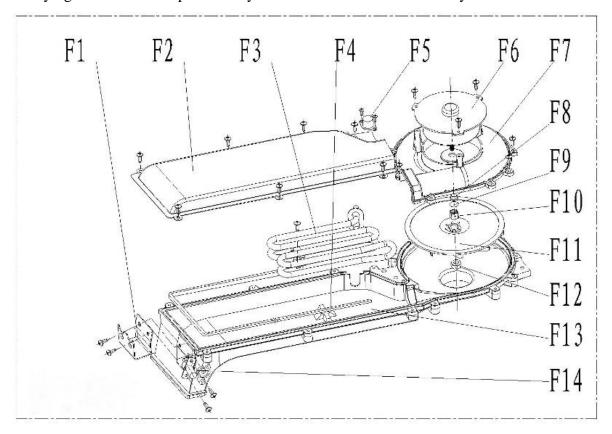
# 10.5 Drum AS





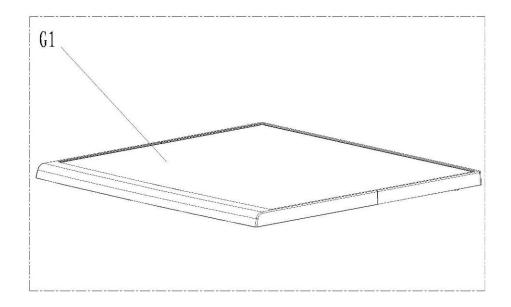
No.	Code	Name	Quantity	Materail	Remark
E1	XA1QG72D. 7-3	drain tube	1	EPDM	
E2	XA1QG72D. 7. 2-3	Fixer	7	SGCC	
Е3	X1QG60. 7. 6-11		1	PP	
E4	XA1QG72D. 7-7	lower balancer	1	COCRETE+IRONSAND	
E5	X1QG60. 9-16	heater	1	AS430	
E6	XA1QG72D. 7. 2-2	heater support	1	430	
E7	XA6QG70E. 7. 2-1 (127)	front tub	1	PP+30GF	
E8	XA1QG72D. 7-4	inlet tube	1	EPDM	
E9	XA6QG70E. 7-1 (127)	upper balancer 1	1	cast iron	
E10	XA1QG72D. 7-8	exhaust hose	1	EPDM	
E11	XA6QG70E. 7-3 (127)	tub seal	1	silastic	
E12	XA2QG70. 7. 1 (245)	INNER DRUM ASSM	1	AS	
E13	XA6QG70E. 7-1 (127)	upper balancer 2	1	cast iron	
E14	XA6QG70E. 7. 3 (127)	BACK TUB ASSEMBLY	1	AS	
E15	XA1QG72D. 7-2	belt	1	lirelle	
E16	XLD04-01	nut	1	SGCC	
E17	XA2QG60. 7-6 (168)	Pulley	1	ADC12	
E18	XDQ04-02	series motor	1	AS	
E19	XA6QG70E. 7-2 (127)	absorber	1	AS	

# 0.6. Drying AS (PS: This picture only for the washer combine with dryer machine.)



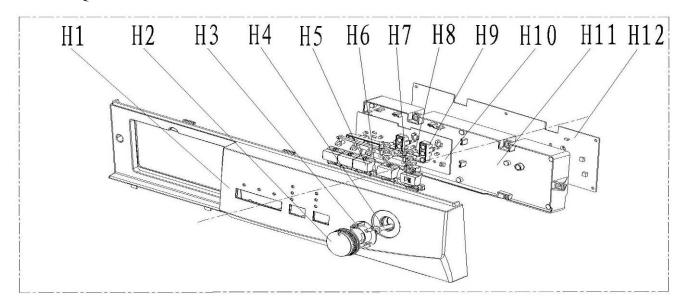
No.	Code	Name	Quantity	Materail	Remark
F1	XA1QG72D. 8-6	Drying supporting fixed plate	1	SGCC	
F2	XA1QG72D. 8-3	supporter cover 2	1	PP	
F3	XA1QG72D. 8-5	Drying heat pipe	1	AS	
F4	XA1QG72D. 8-4	hot air duct sealing strips	1		
F5	XA1QG72D. 9-1	Drying temperature controller	1	AS	
F6	XDQ04-03	Drying motor	1	AS	
F7	XA1QG72D. 8-2	supporter cover 1	1	PA+15%GF	
F8	XA1QG72D. 8-8	Silica gel collar	1	silastic	
F9	XSL06-03	spacer	1	PVC	
F10	XA1QG72D. 8-10	Wind leaf embedded a	1	lirelle	
F11	XA1QG72D. 8-9	Wind leaf	1	PA+15%GF	
F12	GB41-86	Wind leaf nut	1	SGCC	
F13	XA1QG72D. 8-1	Drying supporter	1	lirelle	
F14	XA1QG72D. 9-2	thermistor AS	1	AS	

# 10.7, top board AS



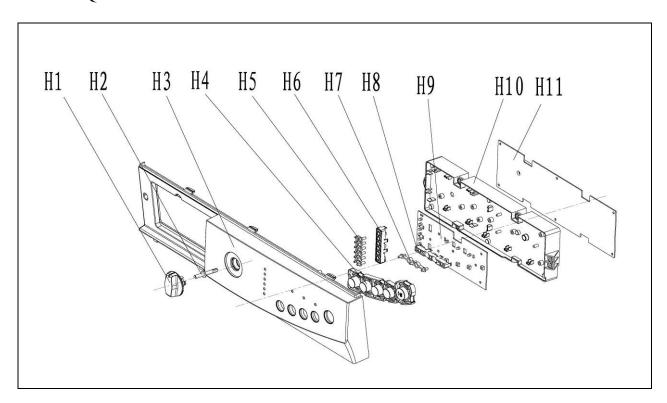
No.	Code	Name	Quantity	Materail	Remark
G1	XA1QG72D. 2	top board AS	1	AS	

10.8  $\,$  XQG70-A210P  $\,$  XQG70-A212P  $\,$  some parts exploded view. PS: other parts refer to XQG72-A112P  $_{\circ}$ 



No.	Code	Name	Quantity	Materail	Remark
H1	XA2QG70E. 3-1 (044)	control panel	1	ABS	
Н2	DV60Q1E. 3. 1-1	knob	1	ABS	
НЗ	XA2QG70E. 3-1 (044)	knob support	1	ABS	
H4	XA2QG70E. 3. 2-1 (044)	knob pin	1	POM	
Н5	XA2QG70E. 3-4 (044)	button 2	4	ABS	
Н6	XA2QG70E. 3-5 (044)	button support	1	POM	
Н7	XA2QG70E. 3-3 (044)	button 1	1	ABS	
Н8	XA2QG70E. 3-2 (044)	light guide	1	ABS	
Н9	XA2QG70E. 3-1 (044)	light supporter	1	ABS	
H10	XA2QG70E. 3. 1-1 (044)	pcb	1	PCB	
H11	XA2QG70E. 3. 1-1 (044)	pcb housing	1	ABS	
H12	XA2QG70E. 3. 1-4 (044)	PCB AS	1	AS	

 $10.9\, \times\, XQG70\text{-}A410P$  , XQG70-A412P some parts exploded view. PS : other parts refer to  $XQG72\text{-}A112P_{\,\circ}$ 

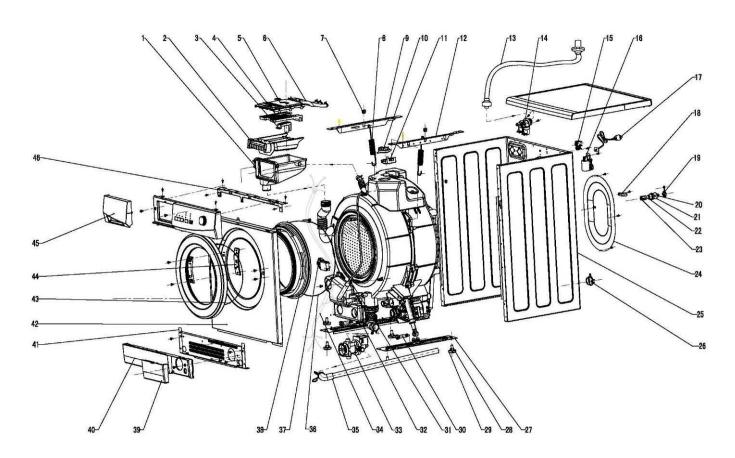


No.	Code	Name	Quantity	Materail	Remark
H11	XA4QG70E. 3. 1-4 (062)	Power board	1	PCB	
H10	XA2QG70E. 3. 1-1 (044)	pcb housing	1	ABS	
Н9	XA4QG70E. 3. 1-2 (062)	pcb	1	ABS	
Н8	XA4QG70E. 3. 1-3 (062)	light supporter 1	1	PCB	

Н7	XA4QG70E. 3-2 (062)	light guide 1	1	ABS	
Н6	XA4QG70E. 3. 1-5 (062)	light supporter 2	1	ABS	
Н5	XA4QG70E. 3-3 (062)	light guide 2	1	ABS	
H4	XA4QG70E. 3-4 (062)	button	1	ABS	
НЗ	XA4QG70E. 3-1 (062)	control panel	1	ABS	
Н2	XA2QG70E. 3. 2-1 (044)	knob pin	1	POM	
H1	XA2QG70E. 3. 2-1 (062)	knob	1	ABS	

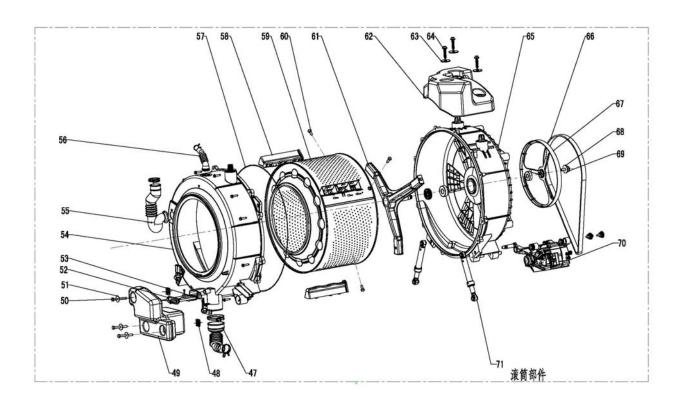
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Tub AS

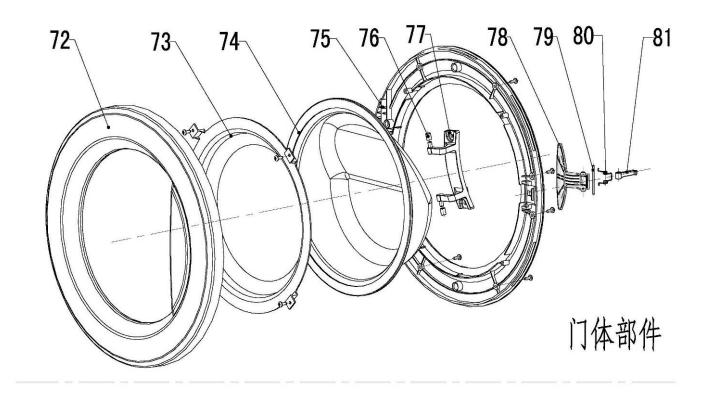


No.	Code	Name	Quantity	Materail	Remark
1	XA2QG60. 6. 2-1 (167)	detergent dispenser housing	1	PP	
2	XA2QG60. 6. 1-1 (167)	detergent dispenser	1	PP	
3	XA2QG60. 6. 1-2(167)	siphon	1	PP	
4	XA2QG60. 6. 2-2 (167)	distributary box	1	PP	
5	XA2QG60. 6. 2-3 (167)	distributary box cover	1	PP	
6	XA2QG60. 6-1 (167)	hose	2	DPDM	

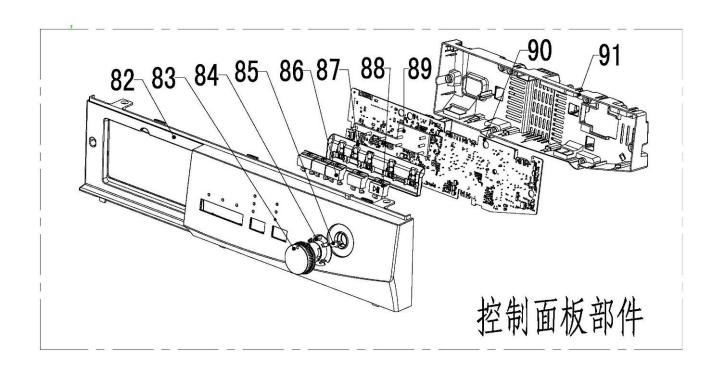
7	X1QG60. 1-8	suspension spring stopper	2	POM
8	XA2QG60. 1-2(167)	suspension spring	2	65Mn
9	XA2QG60. 1. 1-2 (167)	cabinet left top frame	1	SPCD
10	XDQ10-04	pressure sensor	1	AS
11	XA2QG60. 1-3 (167)	pressure sensor support	1	PPT620
12	XA2QG60. 1. 1-3 (167)	cabinet right top frame	1	SPCD
13	XSL03-05	INLET HOSE	1	AS
14	XDQ02-01	inlet valve	1	AS
15	XA1QG72D. 12-7	PLASTIC HOSE CLAMP	1	PP
16	XA2QG60. 8-2(167)	filter	1	AS
17	XDQ05-51	power cord	1	AS
18	XSL07-01	hose clamp 24	1	PP
19	XA2QG60. 9-7 (167)	hole cap	4	PP
20	XLD02-08	transportation bolt	4	Q235-A
21	XLD01-03	transportation washer 2	4	Q235-A
22	XA2QG60. 9-6 (167)	transportation rubber ring	4	DPDM
23	XA2QG60. 9-5 (167)	transportation plastic pillar	4	`
24	XA2QG60. 1-1 (167)	back cover	1	SPCD
25	XA2QG60. 1. 1-1 (167)	cabinet	1	SPCD
26	XA1QG72D. 1-5	drain hose frame	1	PP
27	XA2QG60. 1. 1-5 (167)	cabinet right bottom frame	1	SPCD
28	GB/T6170-2000	M10 nut	4	Q235-A
29	XXJ01-01	adjutable feet	4	Q235-A
30	XA2QG60. 7-13 (167)	absorber pin	4	PA66
31	XA2QG60. 7-5 (167)	air chamber	1	EPDM
32	XA2QG60. 1. 1-4(167)	cabinet left bottom frame	1	SPCD
33	XA1QG72E. 9. 2-1	drain pump	1	AS
34	XA2QG60. 8-4(167)	wiring harness	1	AS
35	XA1QG72D. 9. 2-4	drain hose	1	EPDM
36	XA1QG72D. 7-11	Inner door seal clamp	1	65Mn
37	XA1QG72D. 9-5	door lock	1	AS
38	XA2QG60. 7-7 (167)	door seal	1	EPDM
39	XA1QG72D. 4-2	pump cover	1	ABS
40	XA1QG72D. 4-1	lower panel	1	ABS
41	XA2QG60. 1. 1-6 (167)	lower frame	1	SPCD
42	XA2QG60. 5-1 (167)	front panel	1	SPCD
43	XA1QG72D. 7-10	Outer door seal clamp	1	65Mn
44	XA2QG60. 5-2 (167)	hinge support plate	1	SGCC
45	XA2QG70E. 6. 1-1 (044)	drawer	1	ABS
46	XA2QG70E. 1-1 (044)	upper frame	1	SGCC



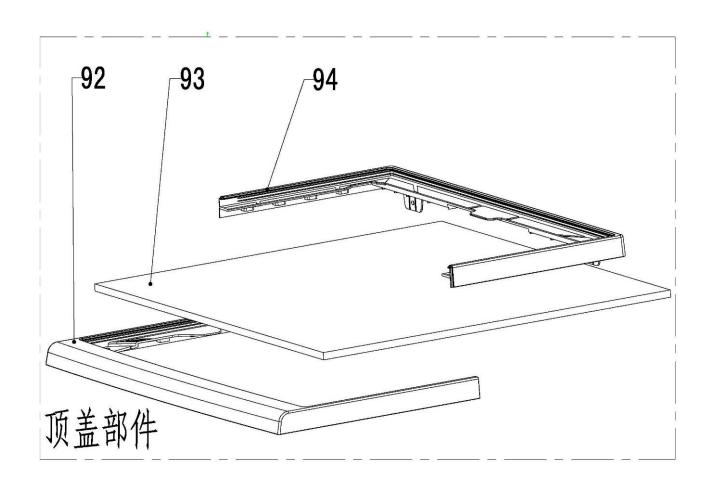
47	XA2QG60. 7-4(167)	drain tube	1	DPDM
48	XA1QG72D. 7. 2-3	Fixer	3	SGCC
49	XA2QG60. 7-8 (167)	lower balancer	1	COCRETE+IRONSAND
50	XLD02-05	lower balancer bolt	3	Q235-A
51	GB/T96. 2-2002	washer	3	Q235-A
52	XA2QG60. 8-3 (167)	heater	1	AS
53	XA1QG72D. 7. 2-2	heater support	1	SUS304
54	XA2QG60. 7. 2-1 (167)	front tub	1	HG43
55	XA2QG60. 7-3 (167)	inlet tube	1	DPDM
56	XA2QG60. 7-2 (167)	exhaust hose	1	DPDM
57	XA2QG60. 7-14 (167)	tub seal	1	DPDM
58	XA2QG60. 7. 1-1 (167)	lifter	3	PP
59	XA2QG60. 7. 1. 1 (167)	INNER DRUM ASSM	1	AS
60	XLD03-10	BOLT	3	SUS304
61	XA2QG60. 7. 1. 2-1 (167)	drum spider	1	铸铝 ADC12
62	XA2QG60. 7-1 (167)	upper balancer	1	COCRETE+IRONSAND
63	XLD01-09	balancer washer	3	Q235-A
64	XLD03-11	BOLT	3	Q235-A
65	XA2QG60. 7. 3. 1 (167)	BACK TUB ASSEMBLY	1	AS
66	XA2QG60. 7-9 (167)	belt	1	POLYESTER FIBRE
67	XA2QG60. 7-6 (167)	Pulley	1	铸铝 ADC12
68	GB/T5287 10	washer	1	Q235-A
69	GB/T 5789-1986	bolt	1	Q235-A
70	XDQ04-18	series motor	1	AS
71	XA2QG60. 7-12(167)	absorber	2	AS



No.	Code	Name	Quantity	Materail	Remark
72	XA1QG72D. 5-6	door decorated ring	1	ABS	
73	XA1QG72D. 5-4	transparency window	1	透明 ABS	
74	XA1QG72D. 5-5	door glass	1	GALSS	
75	XA1QG72D. 5-3	door frame	1	PP	
76	XA1QG72D. 5-2	hinge cap	2	POM	
77	XA2QG60. 5-3 (167)	door hinge	1	ZINC BASE AIIOY	
78	XA1QG72D. 5-8	door handle	1	PP	
79	XA1QG72D. 5-10	door handle pin	1	45#	
80	XA1QG72D. 5-9	door handle spring	1	SUS304	
81	XA1QG72D. 5-7	door hook	1	ZINC BASE AIIOY	



No.	Code	Name	Quantity	Materail	Remark
82	XA2QG60. 3-1 (167)	control panel	1	ABS	
83	DV60Q1E. 3. 1-1	knob	1	ABS	
84	DV60Q1E. 3. 1-2	knob support	1	ABS	
85	XA2QG60. 3. 2-1 (167)	knob pin	1	POM	
86	XA2QG70E. 3-4 (044)	button 2	4	ABS	
87	XA2QG60. 3-5 (167)	button support	1	POM	
88	XA2QG70E. 3-3 (044)	button 1	1	ABS	
89	XA2QG60. 3-2 (167)	light guide	1	PC	
90	XA2QG60. 3. 1-2(167)	pcb	1	PCB	
91	XA2QG60. 3. 1-1 (167)	pcb housing	1	阻燃 ABS	



No.	Code	Name	Quantity	Materail	Remark
92	XA2QG60. 2-3 (167)	front frame	1	ABS	
93	XA2QG60. 2-1 (167)	top board	1	MDF	
94	XA2QG60. 2-2 (167)	rear frame	1	ABS	