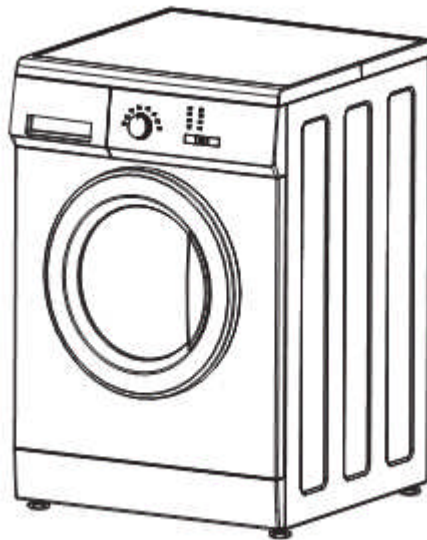


Service manual of 6.0kg front loading washing machine

Please carefully read this manual before service, judge fault in order to work on the Repairs.
Suitable Model number:



Models
XQG60-A708E

CONTENTS

1 . Safety notices-----	2
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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


1 . 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 <ul style="list-style-type: none">● possible electric shocks <ol style="list-style-type: none">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 wipe dust by wet cloth.
---	--

	Warning <ul style="list-style-type: none">● Possible Explosions <ol style="list-style-type: none">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 <ul style="list-style-type: none">● Fire accidents or electric shock may occur <ol style="list-style-type: none">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□ 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 <ul style="list-style-type: none">● Possible for high temperature cause burns or damage. <ol style="list-style-type: none">1. When wash in the high temperature, the glass door will be hot, please do not contact machine door especially children.2. Water is hot after high temperature washing drainage. Do not nearby.3. During high temperature washing, must drain the hot water before coercively open the door.
---	---

	Warning <ul style="list-style-type: none">● Possible personal injury <ol style="list-style-type: none">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.
 - Remove all the water in the washer to avoid freezing. Do not climb or leave heavy things on the washer.
 - Two persons are needed to move the washer. Bolts must be installed in advance before moving.
 - 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.

XQG60-A708E

◆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)

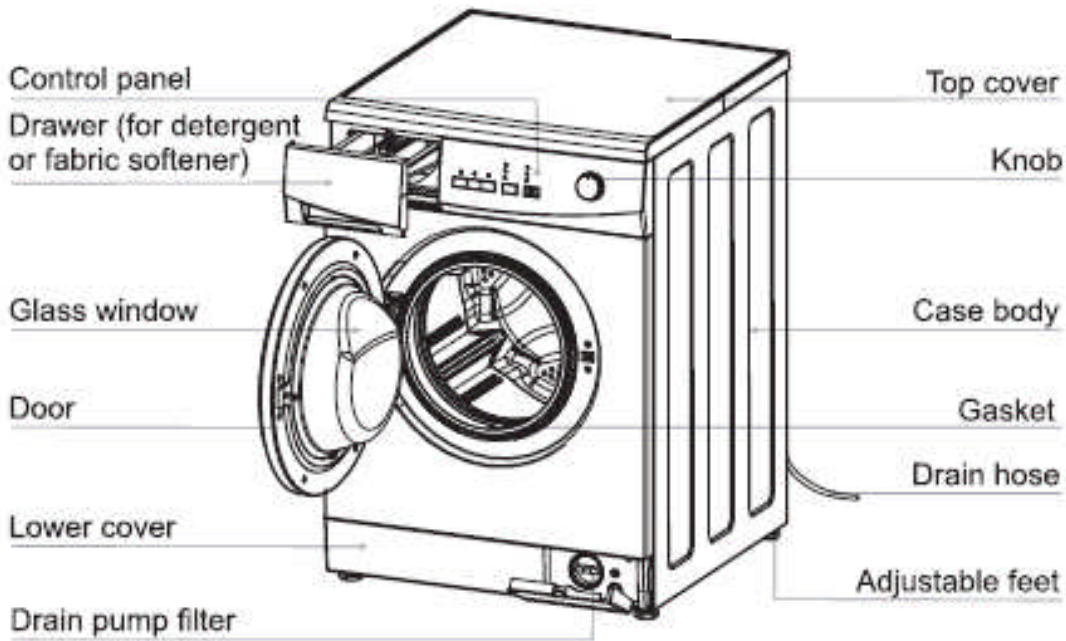
◆degerming

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.

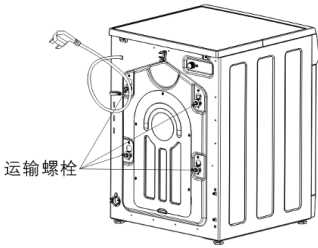
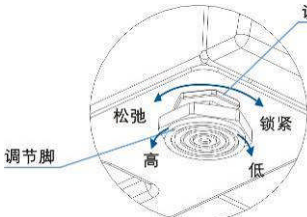
2 . Parts name :



3 . installation

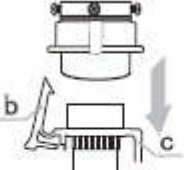
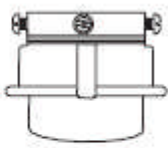
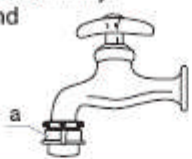
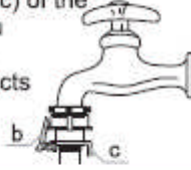

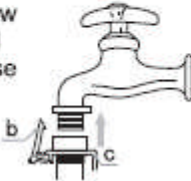
3.1、 Remove all outer package, including the foam base, check if the machine is intact. Water drops may appear on the packing plastic bag and the glass of the observation window occasionally, they are condensation resulted from water testing before the product leaves the factory. It is normal.

3.2、 Install according to the following order

<p>Remove the transit bolts</p>	<ul style="list-style-type: none"> • Remove the transit bolts with the spanner supplied • Keep the transit bolts for future transportation 	<p>Transit bolts</p> 
<p>Install the appliance on a solid and level floor surface</p>	<p>Install the appliance on a solid and level floor surface. Do not locate the machine on cushions or more than 2 ° ground.</p>	<ul style="list-style-type: none"> • Adjust adjustment feet, make machine smooth. 

3.2.1、 installation

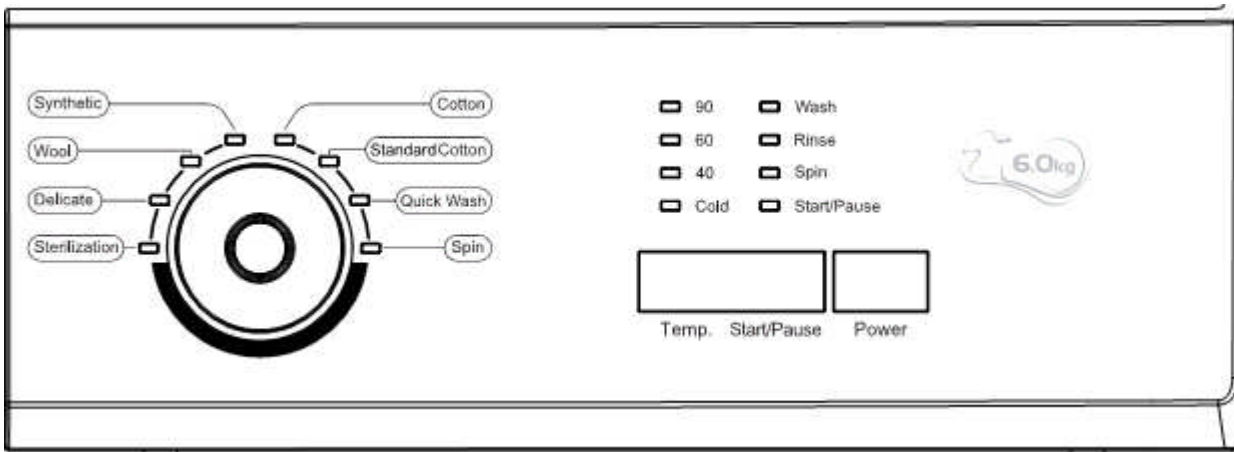
- Inlet hose connection
- Make sure rubble sealing washer inside the joint of valve.
- Connect the inlet hose closely, prevent leaking.

<p>1. Remove the adaptor from the water supply hose.</p> 	<p>2. First, using a + type screw driver, loosen the four screws on the adaptor. Next, take the adaptor and turn part (b) until there is a 5mm gap.</p> 
<p>3. Connect adaptor to the water tap by tightening the screws firmly. Then, turn part (a) and put them together.</p> 	<p>4. Connect the water supply hose to the adaptor. Pull down part (b) and part (c) of the water supply hose. When you release part (b) and part (c), the hose automatically connects to the adaptor making a lick sound.</p> 
<p>5. Connect the other end of the water supply hose to the inlet water valve at the rear of the washer. Screw the hose clockwise all the way in.</p> 	<p>6. If the water faucet has the screw thread, pull down part (b) and part (c) of the water supply hose and connect them together.</p> 

3.2.2、 Inspection operation

- ① Plugged in plug, connect inlet hose → ② press power supply → ③ press "start/pause"
- ④ confirm inflow water → ⑤ confirm automatic rotation and reverse
- ⑥ Close power, open power again, choose dewatering, then press "start/pause".
- ⑦ confirm drain away water and dewatering → ⑧ Close power

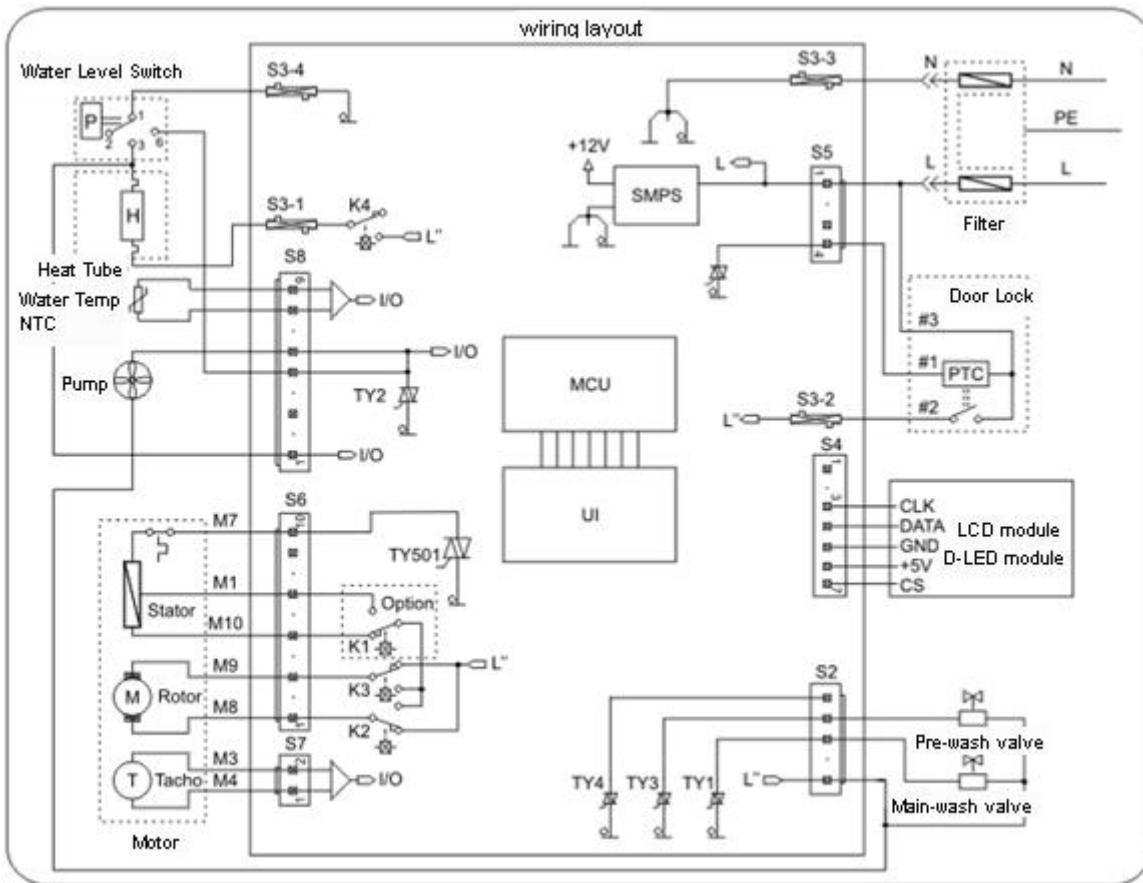
Facia



1. Program knob 2. temperature 3. start/pause 4. Power

4 . Electrical diagrams

circuit diagram



5 . Error indication & analysis

5.1 error indication.

No.	Error	Code	Checking/Reason	Settlement
1	flooding water error	● ● ◎ (E1)	<ul style="list-style-type: none"> ◆Is the water tap opening or water flow too slow? ◆ Does the sensor pressure air leakage? ◆ Is the inlet valve blocked by something? ◆PCB error. 	<ol style="list-style-type: none"> 1、 Check the water tap close or open and the water flow 2 . Check the sensor pressure 3 . Clean the inlet valve 4 . Change PCB
2	Door Error	● ◎ ● (E2)	<ul style="list-style-type: none"> ●Is the door closed well? ●Is the door pressed by the clothes? ●wire terminal not connect well or wiring error ●Door lock error 	<ol style="list-style-type: none"> 1、 check if the door closed well. 2、 Re-put the clothes well. 3. Reconnecting the wire. 4.Change the door lock.
3	Draining error	● ◎ ◎ (E3)	<ul style="list-style-type: none"> ◆water pump filter is blocked by something. ◆Dose draining pipe block? 	<ol style="list-style-type: none"> 1、 clean the pump filter 2、 dredge the draining pipe
4	Water sensor error	◎ ● ● (E4)	<ul style="list-style-type: none"> ◆Is the sensor pressure wire loose? ◆ Does the inlet valve always inflow? 	<ol style="list-style-type: none"> 1.check the wire terminal substance or not or change the wire 2. change the sensor pressure
5	Motor Error	◎ ● ◎ (E5)	<ul style="list-style-type: none"> ◆Is the motor wire terminal loose? ◆Is motor broken? ◆PCB error 	<ol style="list-style-type: none"> 1.check the wire terminal substance or not 2.change motor 3.change PCB
6	Washing heating error	◎ ◎ ● (E6)	<ul style="list-style-type: none"> ◆ Is the heater connection lost the power? ◆ Is the heater temperature sensor lost the power? ◆Heater error 	<ol style="list-style-type: none"> 1. check the wire terminal loose or not 2. Connecting the wire well. 3. change a new heater.
7	Heating temperature sensor	◎ ◎ ◎ (E7)	<ul style="list-style-type: none"> ◆ Does heating temperature sensor connect well ◆ heating temperature sensor error 	<ol style="list-style-type: none"> 1. Connect the wire well. 2.change the heating temperature sensor

Attention : 1、●—indicate the light is off ; ⊙—indicate the light is flicking

2、when the error occurs,all LED light are flickering except indicator light on the control panel. Those indicator lights can judge what kind of error by washing ,rinsing and drycleaning

5.2 Self-Examine Mode

Press **【K1】** + **【K2】** button simultaneously ,after electricity ,the buzzer will beep three times which demonstrate the machine has entered into the special option mode。 The interface displays : the indicator light of program option knob displays the position of current program knob , while "start\pause" indicator light flickering at the frequency of 1Hz

Turn the program knob at the position of P7 , press button[start\pause],the program enters into factory mode to measure.All LED indicator lights flicker 3 second , then the machine starts to conduct the following detection automatically:

Prewashing valve detection:inflow 5 second , delay 1second ;

1) Main washing detection : inflow 5 second , delay 1second

2) Soften valve detection : inflow 5 second , delay 1second

3) Heater valve detection: inflow 5 second , delay 1second

4) Heating detection : judge water level above the heating water level or not.If not,keep on adding water to heating water level , then start to heat 5 s

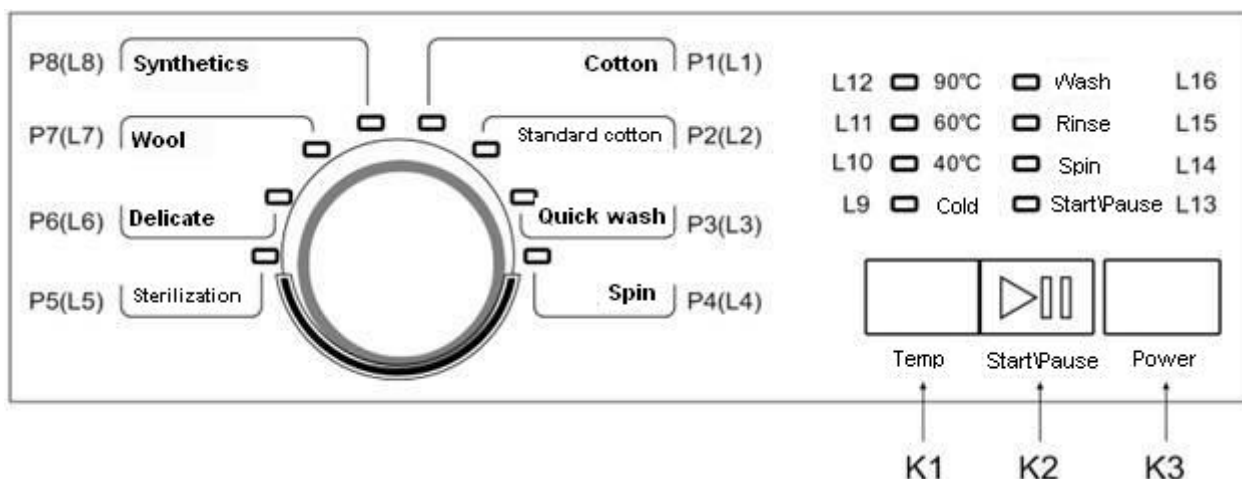
5) Motor rotation direction test; the rotation rate :50 rpm,reversal time:5s

6)Outer cylinder leakage test;to judge if the water level lie in the 1 washing water,if not ,replenish to 1 washing water rotation rate (250rpm),positive rotation 20s

7)Row of dewatering test :firstly ,drain water to the 0 water level of empty tube 10s

◆During the measurement , check the error warning , if happens in present process,the machine will alarm at once and stop executive program

◆turn off the power and exit the mode






Attention : during the detection, for example: the failure occurs in the process of measurement, the machine will not conduct the following programs unless the problem has been solved and proceed the detection function again, it can finish all the detection function.


During the detection , press button “start\pause” or button “power” to stop or end detection program, it won’t work to press other buttons.

6 . Dismantle guide



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



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






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



3	①Remove the inlet hose and clip	
4	①Remove the inlet hose(picture 4)	 picture 4


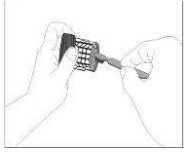
Inlet valve		
1	①Take of the inlet valve connection ②Remove two bolts from the back of the inlet valve ③Remove the hose clip and hose	


DOWN FRAME		
1	① Using corns or screwdriver to open the bottom dam-board(picture 5), remove the one bolt ②Using the screwdriver to open the dam-borad (picture 6)	 5  6


DOOR		
1	①open the door completely ②loose the dorr seal spring (picture 7) ③Remove two bolts from the door hinge, please beware to hold the screw nut.(picture 8)	 7  8


DOOR SEAL PARTS		
1	①remove the ourter box door seal ring spring (picture7) ②Take off the top cover ③Open the below dam-board cover and remove one bolts inside and dam-board. Photo 9 &10)	 9  10
2	①Take off the washing powder distribution box (picture 1) ② remove the control panel (attention:follow the instruction of removing control panel methods) ③Remove all the upside and down side bolts from the front cover (picture 11& 12) and remove front cover	 11  12
3	①Remove outer tub seal ring spring ②Ensure the weep hole from seal ring is backward with reset. (picture13)	 13



Pulley, motor and absorber		
1	<ul style="list-style-type: none"> ①Remove the back cover ②Loosen the big screw nut from the pulley and take out the belt ③Remove the pulley 	
2	<ul style="list-style-type: none"> ①Take off the motor connection plug wire ②Remove two bolts from motor holder, and take out the motor bush.(picture 14) ③Follow the arrow to take off the motor (picture15) ④Ensure the bush is in the motor holder while reset the motor 	  <p style="text-align: center;">14 15</p>
3	<ul style="list-style-type: none"> ①Remove the fixed bolt from absorber. ②Take out the absorber ③Ensure tighten the fixed bolt while reset the absorber to avoid the noise from spin 	


Clear draining pump filter		
1	<ul style="list-style-type: none"> <input type="checkbox"/> Turn filter left and take off the water pump filter (picture 16) ② Clear the stuff from water pump filter (photo 17) ③Put back the filter in to right position after clear <ul style="list-style-type: none"> <input type="checkbox"/> Please well set the dam-board after well set the filter 	  <p style="text-align: center;">16 17</p>


Water pump		
	<ul style="list-style-type: none"> ①Remove the control panel, dam-board and front cover ②Remove two bolts from water pump ③Remove water pump wires ④Hole the water pump pull up <ul style="list-style-type: none"> ⑤ Remove all the hose from water pump Remove the pump (remark: photo 8 shows the well set water pump) 	 <p style="text-align: right;">18</p>

Heater	
<ul style="list-style-type: none"> ❑ Loosen the M6 bolt from heater. please do not complete loosen the bolt.(picture19) ②Pull out the heater <u>Attention</u> Ensure the heater has put into the clip 	 <p style="text-align: right;">19</p>

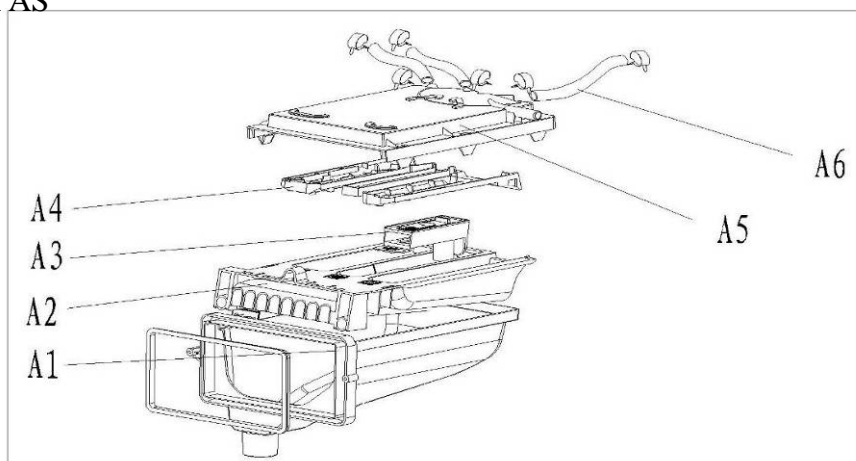
Switch component and door lock	
<ul style="list-style-type: none"> ①Remove the front cover real ring spring (photo 7) ❑ Remove the 2 bolt from the fixed door lock (photo 20) ③Take off the door lock from the wiring harness connector 	 <p style="text-align: right;">20</p>

Drying Thermostat (model with drying features)	
<ul style="list-style-type: none"> ① 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) ④Then take off the drying thermostat 	 <p style="text-align: right;">21</p>  <p style="text-align: right;">22</p>

Drying motor(model with drying features)	
<ul style="list-style-type: none"> ❑ Remove the top cover ❑ Take out the drying motor plug wire Remove the fixed bolt from the drying motor (photo 23) 	 <p style="text-align: right;">23</p>

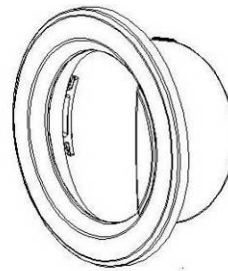
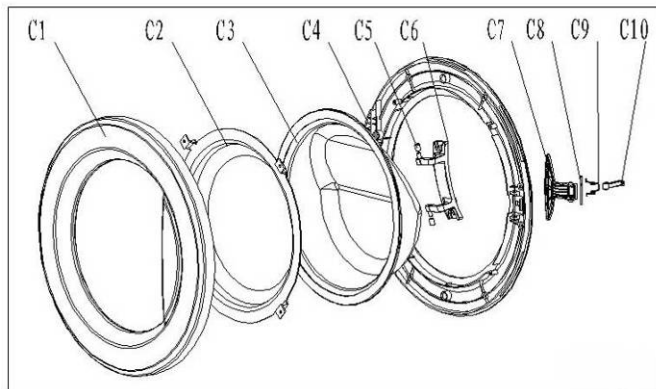
Drying heating pipe(model with drying features)	
<ul style="list-style-type: none"> ❑ Remove top cover ② Take off the plug wire from drying motor and drying heating pipe ③Remove the fixed bolt from drying motor and drying heating pipe. (picture 4) 	 <p style="text-align: right;">24</p>

6.1.2 Inlet box AS



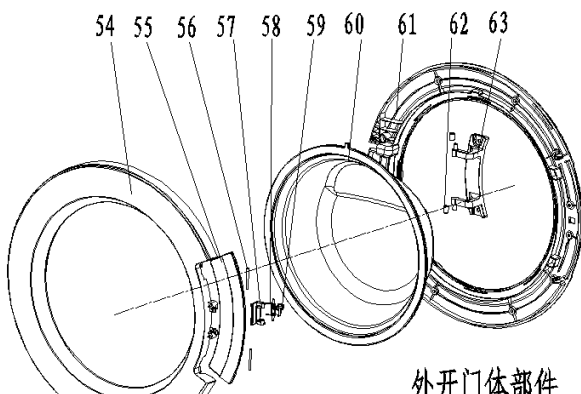
NO	code	name	Qty	material
A1	XA1QG72D. 6. 2-1	inlex box	1	PP
A2	XA1QG72D. 6. 1-1	detergent case	1	PP
A3	XA1QG72D. 6. 1-2	softener cap	1	PP
A4	XA1QG72D. 6. 2-2	nozzie	1	PP
A5	XA1QG72D. 6. 2-3	nozzie cover	1	PP
A6	XA1QG72D. 6-1	inlet valve pipe	3	EPDM

6.1.3 Inside door AS



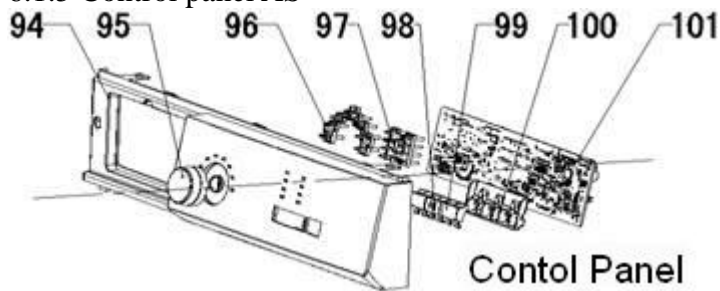
no	name	qty	material	remark
C1	decorated ring of door	1	ABS	
C2	protector of door	1	transparent ABS	optional parts
C3	door glass	1		
C4	door holder	1	PP	
C5	spring cap of door	1	POM	
C6	spring cap of door	1	zinc base alloy	
C7	door lever	1	PP	
C8	door lever axes	1	45#	
C9	door lever spring	1	stainless steel	
C10	door lock	1	zinc base alloy	

6.1.4 Outside door AS



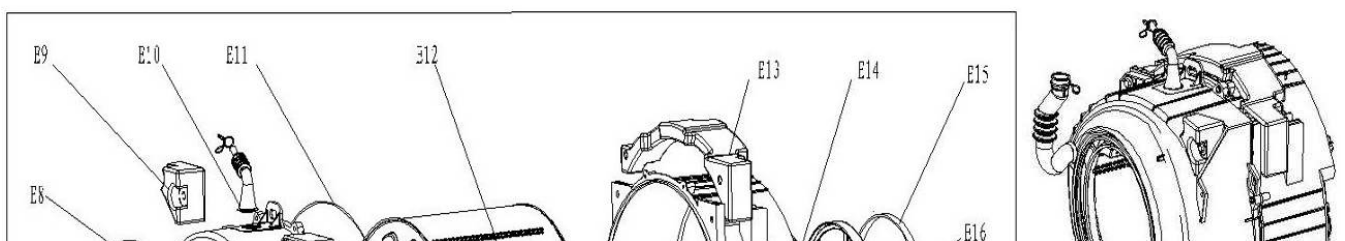
no	name	qty	material
63	spring cap of door	1	zinc base alloy
62	spring cap of door	1	POM
61	door holder	1	modified PP
60	door glass	1	borosilicate glass
59	door lock	1	zinc base alloy
58	door spring	1	stainless steel
57	door lock holder	1	POM
56	door handle axes	1	45# MFZn
55	door handle	1	ABS
54	decorated ring of door	1	ABS

6.1.5 Control panel AS



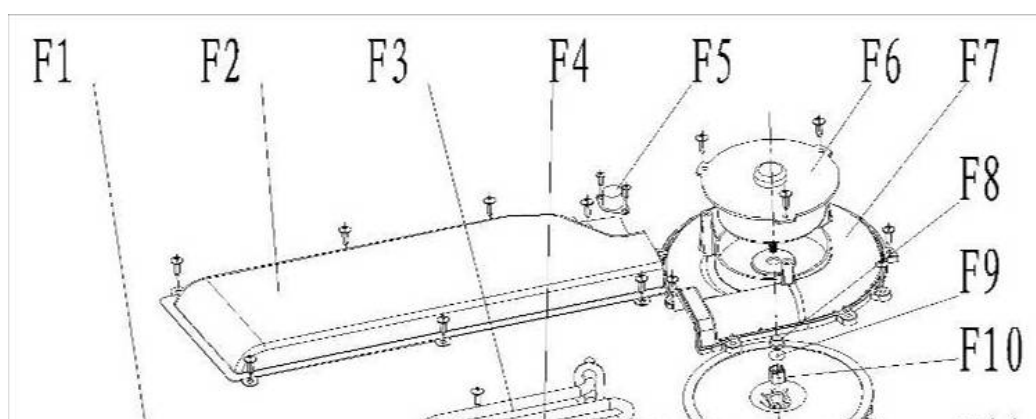
101	101	XA7QG60.3-8(263)	pcb	1	ABS
100	100	XA7QG60.3-7(263)	button support	1	POM
99	99	XA7QG60.3-5(263)	button 1	2	ABS
98	98	XA7QG60.3-6(263)	button 2	1	ABS
97	97	XA7QG60.3-3(263)	light guide1	1	PC
96	96	XA7QG60.3-4(263)	light guide2	1	PC
95	95	XA7QG60.3-2(263)	knob	1	ABS
94	94	XA7QG60.3-1(263)	control panel	1	ABS

6.1.6 Drum AS



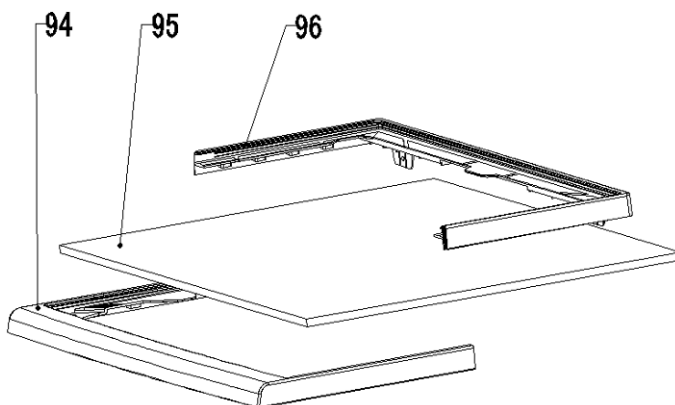
no	name	qty	material
E1	darin pipe	1	EPDM
E2	fixer	7	
E3	air putlet cap	1	PP
E4	down balancer	1	
E5	heater tube	1	AS
E6	inlet pipe	1	430
E7	front tub	1	PP+30GF
E8	inlet pipe	1	EPDM
E9	upper balancer 1	1	cast iron
E10	air outlet pipe	1	EPDM
E11	water seal of out drum	1	silicon rubber
E12	inner drum ASSM	1	AS
E13	upper balancer 2	1	cast iron
E14		1	AS
E15	belt	1	polyster fiber
E16	nut	1	galvanize
E17	pully	1	cast AL
E18	motor	1	AS
E19	absorber	1	

6.1.7 Drying AS (Attention:this picture only for the washer combine with dryer machine)



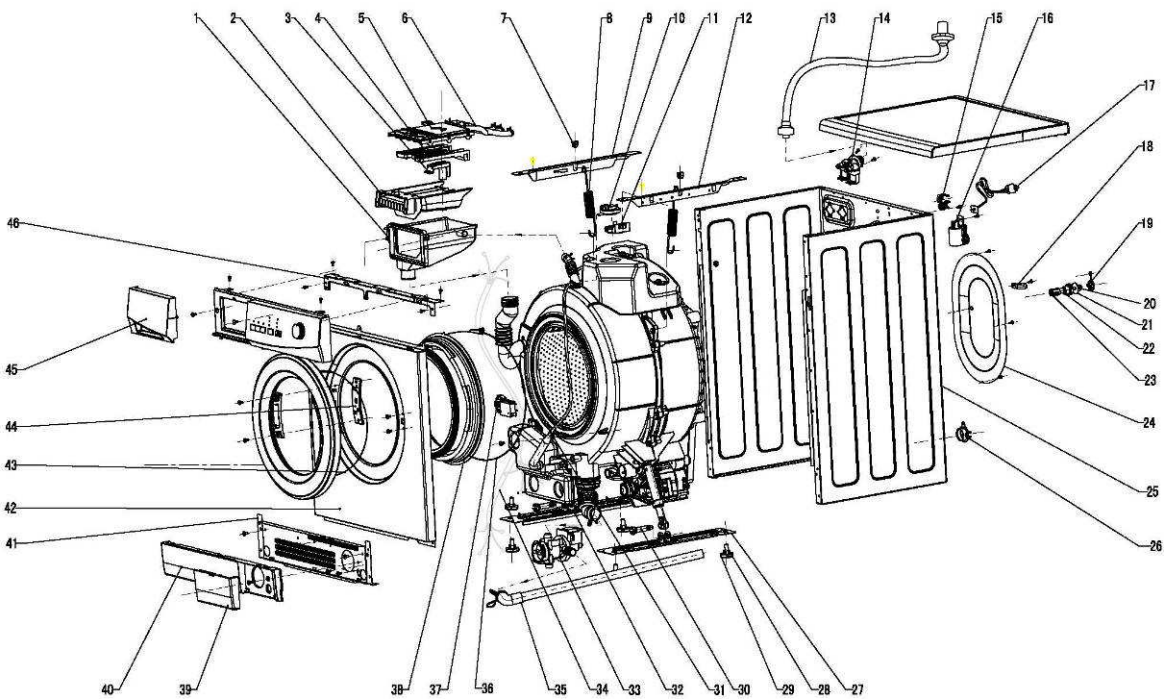
no	name	qty	material
F1	fixing plate	1	
F2	fixing plate cover	1	
F3	heating pipe	1	AS
F4	drying air seal	1	
F5	temperature controller	1	AS
F6	drying motor	1	AS
F7	fixing plate cover 1	1	PA+15%GF
F8	bearing cap	1	silicon rubber
F9	gasket 8	1	PVC
F10	fun support	1	cast AL
F11	fan	1	PA+15%GF
F12	fan nut	1	galvanize
F13	drying part base	1	cast AL
F14	resistance	1	AS

6.1.8 Top Cover AS



no	name	qty	material
94	front copping	1	ABS
95	copping	1	MDF
96	back copping	1	ABS

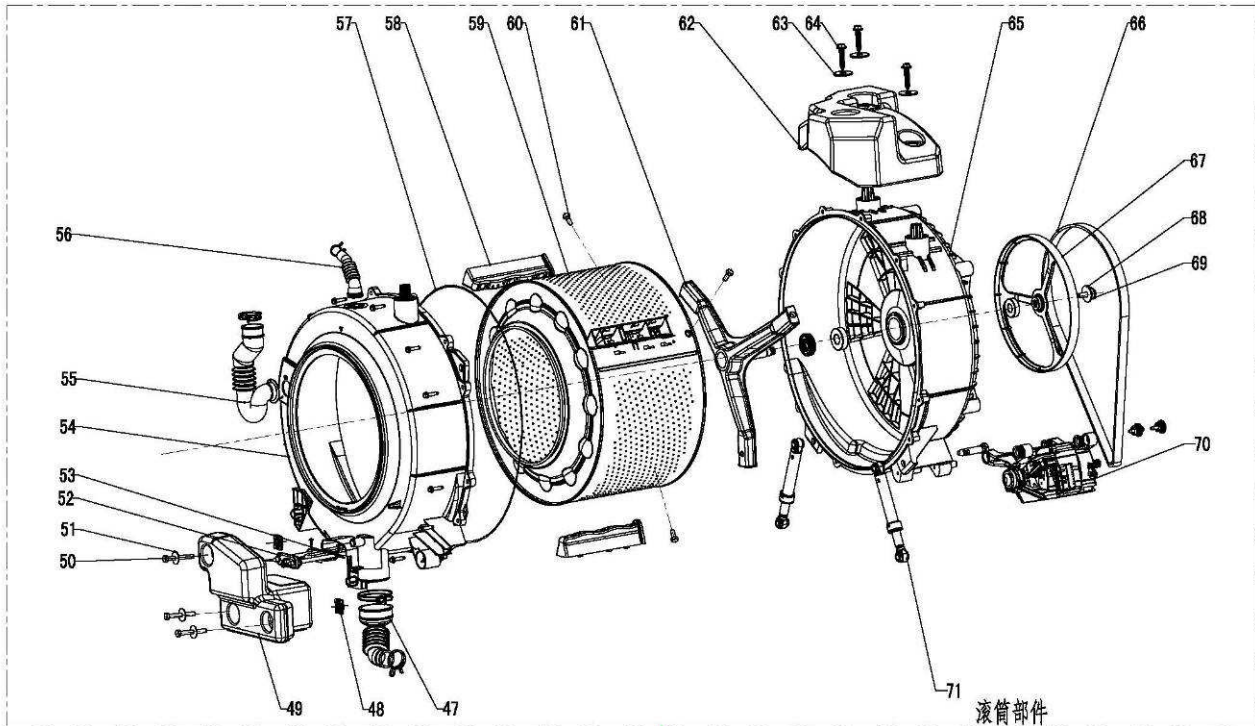
6.2 components exploded view



no	name	qty	material
1	inlet box	1	PP
2	detergent case	1	PP
3	softner cap	1	PP
4	nozzie	1	PP
5	nozzie cover	3	PP
6	inlet valve pipe	2	EPDM
7	seat of spring suspension	2	POM
8	spring suspension	1	65Mn galvanized
9	upper bracket	1	cold-rolled sheet
10	sensor pressure	1	binder
11	sensor pressure holder	1	PPT620
12	upper braket	1	cold-rolled sheet
13	inlet hose	1	binder
14	inlet valve	1	binder
15	plastic pipe clip	1	PP
16	filter	1	binder
17	power cable	1	binder
18	pipe clip 24	5	PP
19	cap of hole	4	PP
20	transparent bolt	4	Q235-A
21	transparent washer 2	4	Q335-A
22	transparent rubber ring	4	EPDM
23	transparent rubber ring	1	POM
24	back cover	1	cold-rolled sheet
25	wachine body	1	cold-rolled sheet
26	drain pipe holder	1	PP
27	right frame	4	cold-rolled sheet
28	M10 nut	4	Q235-A
29	rubber foot	4	rubber+M10bolt

30	damper	1	PA66
31	air sac	1	EPDM
32	left frame	1	cold-rolled sheet
33	water pump	1	binder
34	power electric	1	binder
35	drain pipe	1	EPDM
36	inner door seal ring	1	65Mn
37	door lock	1	binder
38	door seal	1	EPDM
39	down frame cover	1	ABS
40	down frame	1	ABS
41	front frame of base	1	cold-rolled sheet
42	front cover	1	cold-rolled sheet
43	outer door seal ring	1	stainless steel
44	door hinge braket	1	galvanized plate
45	handle cap	1	ABS
46	upper braket	1	galvanized plate

10.2.1、Drum AS



no	name	qty	material
47	drain pipe	1	EPDM
48	fixing plate	3	galvanized plate
49	down balancer	1	concrete+iron sand
50	down balancer bolt	1	Q235-A
51	flat washer	3	Q335-A
52	heater	1	binder
53	heater hlder	1	430
54	front tub	1	PP+12%GF+18%CACO
55	inlet pipe	1	EPDM
56	drain pipe	1	EPDM
57	water seal of out drum	1	EPDM
58	inside cloth holder	3	PP
59	inner drum ASSM	1	binder
60	nut	3	SUS304
61	spider	1	cast AL ADC12
62	upper balancer	1	concrete+iron sand
63	balancer washer	3	Q235-A
64	nut	3	45#
65	back tub	1	binder
66	belt	1	polyster fiber
67	wheel	1	cast iron
68	washer	1	Q235-A
69	bolt	1	Q335-A
70	motor	1	binder
71	absorber	1	binder