

**Galanz 格兰仕**

# 售后服务手册

## After-sales Service manual

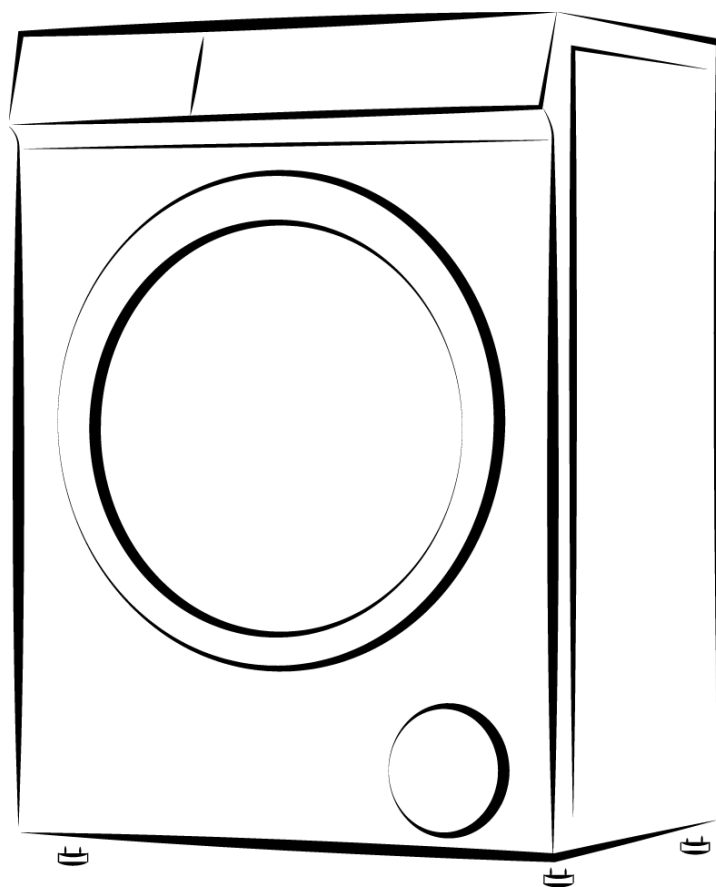
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自动滚筒洗衣机

Automatic Drum Washing Machine

XQG60-U108E

XQG70-U112U



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## 1.适用机型 Models Covered

机型 Model	XQG60-U108E	XQG70-U112U
品牌 Brand	Galanz	
混合 Mixed	○	●
混合 40°C Mixed 40°C	●	○
快洗 Super Quick	●	●
20°C	●	●
环保洗 40-60 Eco 40-60	●	●
除菌 Anti-Allergy	○	●
羽绒洗 30°C Down 30°C	●	○
化纤 Synthetics	○	●
化纤洗 40°C Synthetics 40°C	●	○
丝绸 Delicates/Silk	○	●
羊毛洗 30°C Woolens 30°C	●	○
环保筒清洁 Drum Clean	○	●
筒自洁 60°C Drum Clean 60°C	●	○
漂洗+脱水 Rinse+Spin	●	●
单脱水 Spin	●	●
除菌 Anti-Bac	●	○

注：○表示没有此程序，●表示有此程序

Note: ○ means no such program, ● means there is such a program.

## 2.通用规范 General Specifications

### 2.1 电源规格 Power Specification

220V-240V~, 50Hz

### 2.2 平台规格 Platform Specification

模型/平台 Model/platform	XQG60-U108E	XQG70-U112U
洗涤方式 Washing method	滚筒式 Drum type	
脱水方式 Spinning method	离心旋转 Horizontal-axle centrifugal spinning	
洗涤驱动方式 Washing drive method	串激电机+皮带 Universal motor + belt	
脱水驱动方式 Spinning drive method	串激电机+皮带 Universal motor + belt	
水位检测方法 Water level detection method	水位传感器 Water level sensor	
皮带 Belt	8 ribs	5 ribs
桶尺寸 Inner drum size	241.7×φ506mm	
包装尺寸 (W×D×H) Pack dimension	650×472×860mm	
机器尺寸 (W×D×H) Machine dimension	595×410×845mm	
最高转速 Top speed	800rpm	1200rpm

### 2.3 程序洗涤规格 Program Washing Capacity

模型/平台 Model/Platform	XQG60-U108E	XQG70-U112U
	洗涤容量 Washing capacity	
混合 Mixed	/	4kg
混合 40℃ Mixed 40℃	3.5kg	/
快洗 Super Quick	1.5kg	2kg
20℃	6kg	7kg

环保洗 40-60 Eco 40-60	6kg	7kg
除菌 Anti-Allergy	/	4kg
羽绒洗 30℃ Down 30℃	2.5kg	/
化纤 Synthetics	/	3.5kg
化纤洗 40℃ Synthetics 40℃	3kg	/
丝绸 Delicates/Silk	/	2kg
羊毛洗 30℃ Woolens 30℃	2kg	/
环保筒清洁 Drum Clean	/	0kg
筒自洁 60℃ Drum Clean 60℃	0kg	/
漂洗+脱水 Rinse+Spin	--	--
单脱水 Spin	--	--
除菌 Anti-Bac	3.5kg	/

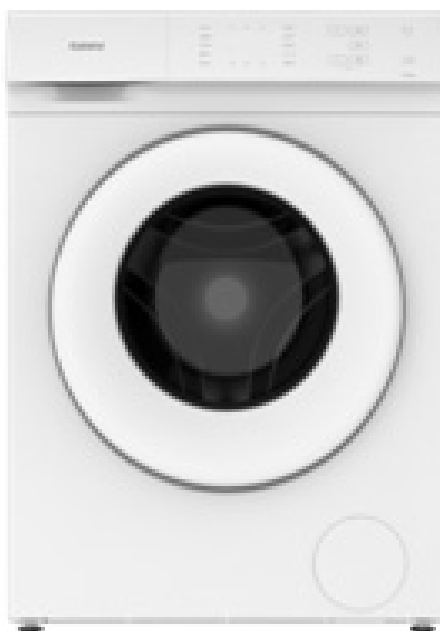
注：数字表示此程序的洗涤容量；/表示没有此程序

Note: The number means the washing capacity of the program; / means no such program.

## 2.4 主要部件规格 Main Components Specifications

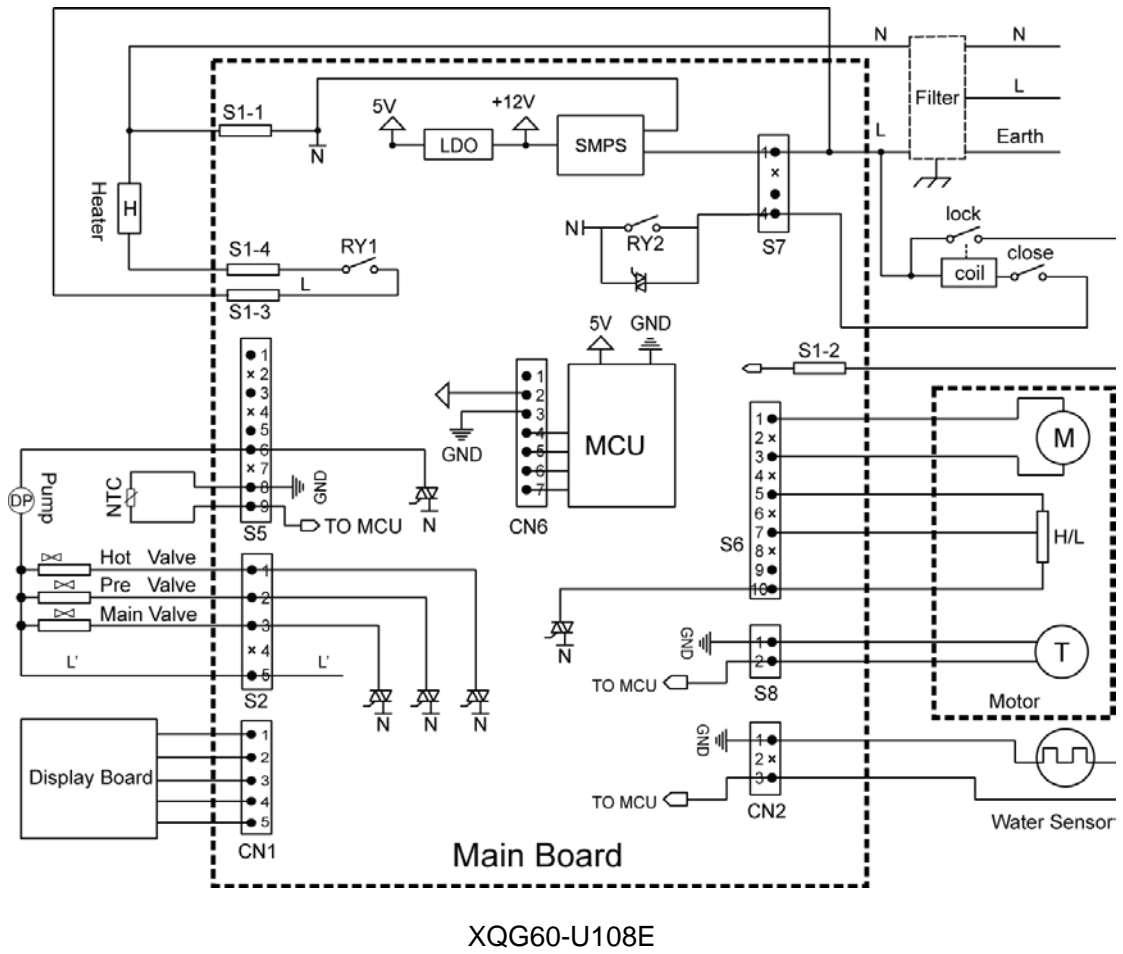
模型 Model	XQG60-U108E	XQG70-U112U
组件名称 Component name	规格 Specification	
排水泵 Drain pump	220V-240V~, 50Hz	
启动/暂停开关 Start/pause switch	触屏 Touch	
水位传感器 Water Level Sensor	5V, 5mA	
洗涤脱水电机 Washing motor	220V-240V~, 50Hz	220V-240V~, 50/60Hz 2.8A, 260W
发热管 Heating element	230V~, 1900W	

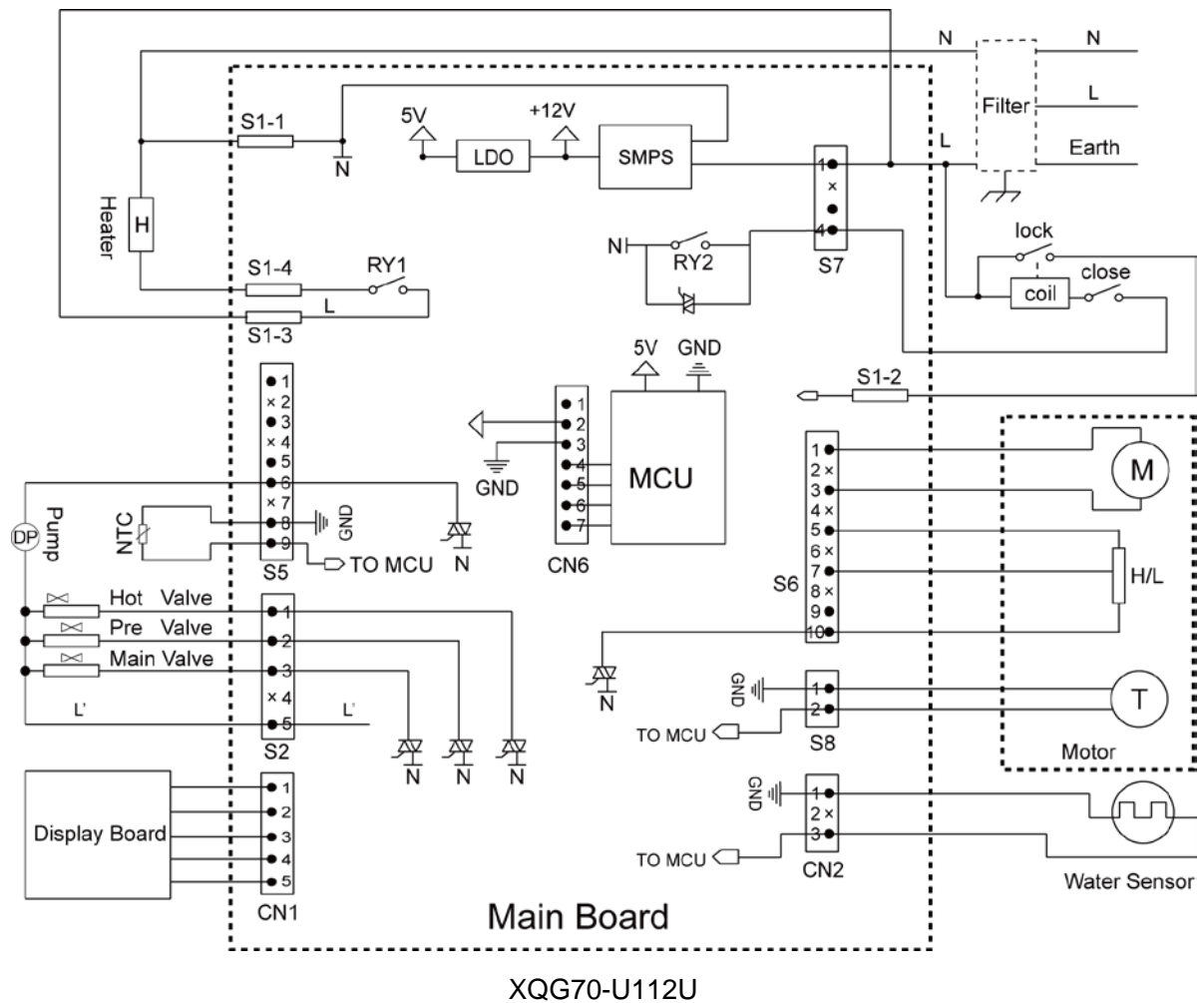
温度传感器 Temperature sensor	电阻 R (25℃)=12kΩ Resistance R(25℃)=12kΩ
选项开关 Options switch	触屏 Touch
门锁开关 Interlock switch	250V~, 16(6)A
进水阀 Water valve	220V-240V, 50Hz/60Hz



XQG70-U112U/XQG60-U108E

### 3. 电路图 Circuit Diagram





## 4. 结构 Structure

### 4.1 结构图 Structure Diagram

详见装配图

See assembling drawing

### 4.2 水管系统 Water Line System

进水：进水管—进水阀—进水阀软管—进水斗—外桶

Water inflow: Inlet pipe—Water valve—Inlet valve hose—Inlet housing—Outer drum

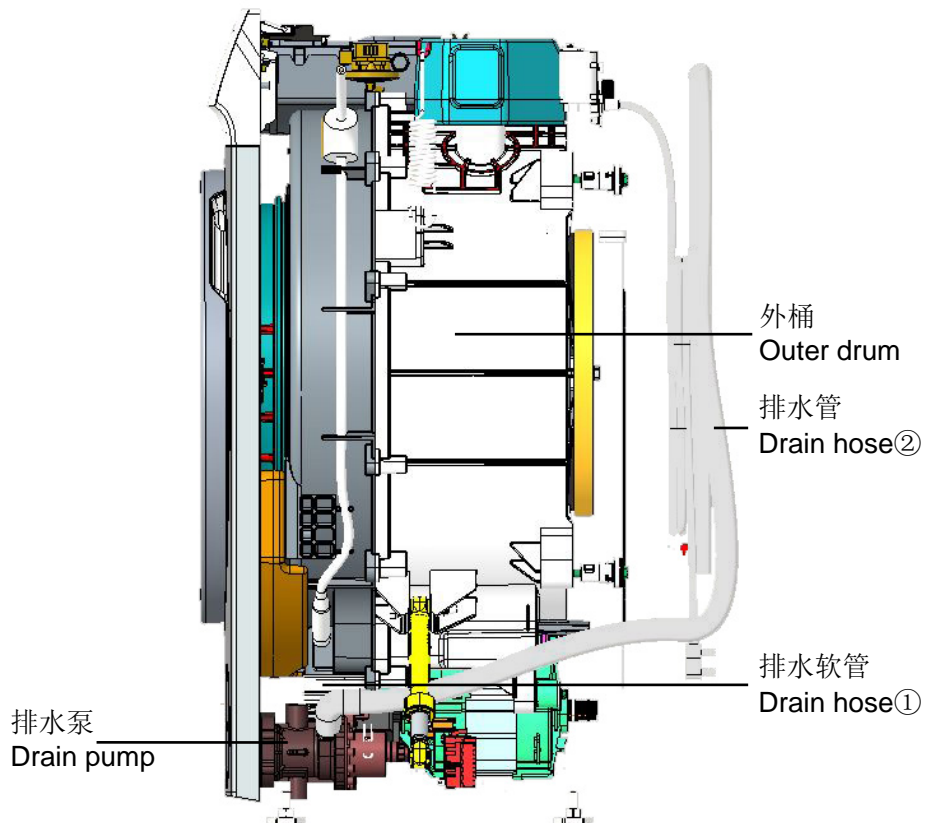
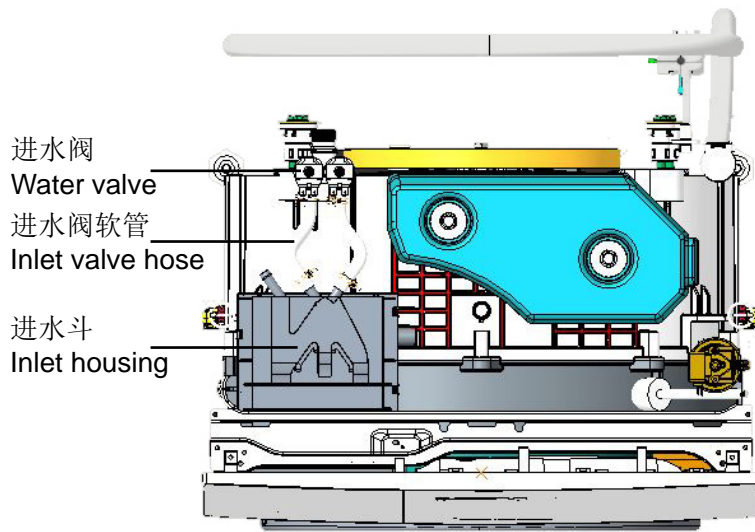
排水：外桶—排水软管—排水泵—排水管

Drain: Outer drum—Drain hose①—Drain pump—Drain hose②

示意图如下：

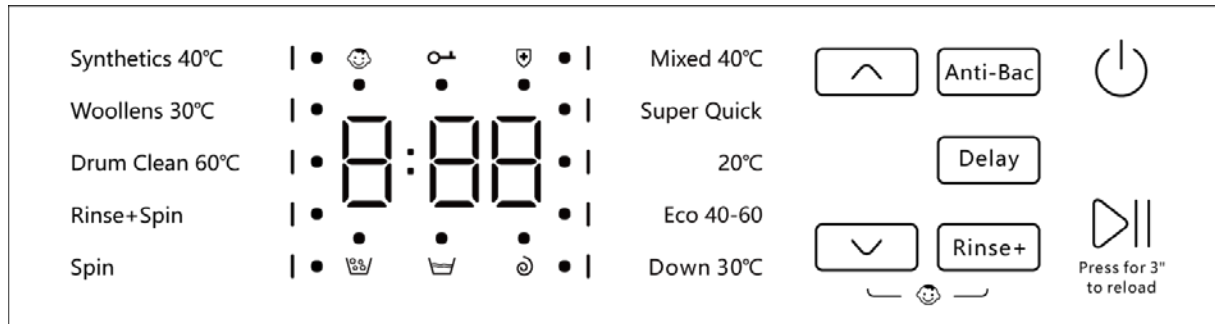
Schematic diagram is as follows:



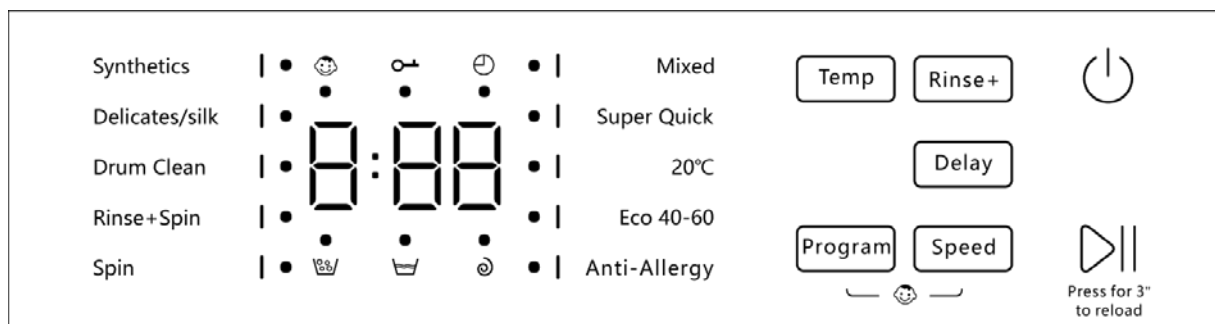


## 5.功能设置及显示 Function Settings and Display

### 5.1 控制面板 Control Panel Figures



XQG60-U108E



XQG70-U112U

### 5.2 面板操作 Panel Operation

#### 5.2.1 整机状态描述 Complete machine status description

NO.	当前状态 Current state	描述 Describe
1	掉电 Outage	电源线没有插接,没有电源输入 The power cord is not plugged in, there is no power input
2	关机 Off	关闭所有负载输出, 关闭显示输出, 仅“电源”键有响应 Turn off all load outputs, turn off display outputs, only the “Power” key responds.
3	待机 Standby	在待机状态下, 显示默认功能参数设置, 可以修改程序运行过程中的参数 In the standby state, the default function parameter settings are displayed, and the parameters during the program running can be modified.
4	运行 Running	程序按照用户设定的洗涤流程和参数运行 The program runs according to the washing process and parameters set by the user.
5	暂停 Pause	程序运行时, 按“启动/暂停”键, 程序进入暂停模式 When the program is running, press the "Start/Pause" key to enter the paused mode of the program

6	预约 Delay	按预约键选择程序预约时间，并按启动键进入预约状态 Press the "Delay" key to select the appointment time, and press the "Start" button to enter the delay status
7	报警 Alarm	故障状态时，电脑板检测到相应的故障并显示对应的故障代码。 In the fault state, the PCB detects the corresponding fault and displays the corresponding fault code
8	维修模式 Maintenance mode	用于检测或故障判断 For plant testing or failure judgment

## 5.2.2 程序功能表 Program function list

程序 Program	通用功能 General function		附加功能 Additional function				
	自动断电 Automatic power-off		温度 Temp	加漂洗 Rinse+		预约 Delay	
	XQG60-U108E	XQG70-U112U	XQG70-U112U	XQG60-U108E	XQG70-U112U	XQG60-U108E	XQG70-U112U
混合 Mixed	/	★	●	/	●	/	●
混合 40℃ Mixed 40℃	★	/	/	●	/	●	/
快洗 Super Quick	★	★	○	●	●	●	●
20℃	★	★	○	●	●	●	●
环保洗 40-60 Eco 40-60	★	★	●	●	●	●	●
除菌 Anti-Allergy	/	★	○	/	●	/	●
羽绒洗 30℃ Down 30℃	★	/	/	●	/	●	/
化纤 Synthetics	/	★	●	/	●	/	●
化纤洗 40℃ Synthetics 40℃	★	/	/	●	/	●	/
丝绸 Delicates/ Silk	/	★	●	/	●	/	●
羊毛洗 30℃ Woolens 30℃	★	/	/	●	/	●	/
环保筒清洁 Drum Clean	/	★	●	/	○	/	●

筒自洁 60℃ Drum Clean 60℃	★	/	/	○	/	●	/
漂洗+脱水 Rinse+Spin	★	★	○	●	●	●	●
单脱水 Spin	★	★	○	○	○	●	●
除菌 Anti-Bac	★	/	/	○	/	●	/

程序 Program	附加功能 Additional function				
	转速 Speed	童锁 Child lock		中途添衣 Midway add clothes	
	XQG70- U112U	XQG60- U108E	XQG70- U112U	XQG60- U108E	XQG70- U112U
混合 Mixed	●	/	●	/	●
Mixed 40℃	/	●	/	●	/
快洗 Super Quick	●	●	●	●	●
20℃	●	●	●	●	●
环保洗 40-60 Eco 40-60	●	●	●	●	●
除菌 Anti-Allergy	●	/	●	/	●
羽绒洗 30℃ Down 30℃	/	●	/	●	/
化纤 Synthetics	●	/	●	/	●
化纤洗 40℃ Synthetics 40℃	/	●	/	●	/
丝绸 Delicates/ Silk	●	/	●	/	●
羊毛洗 30℃ Woolens 30℃	/	●	/	●	/
环保筒清洁 Drum Clean	○	/	●	/	●

筒自洁 60°C Drum Clean 60°C	/	●	/	●	/
漂洗+脱水 Rinse+Spin	●	●	●	●	●
单脱水 Spin	●	●	●	●	●
除菌 Anti-Bac	/	●	/	●	/

注：★表示默认开启，○表示该功能不可选，●表示可选，/表示无此程序

Note: ★ indicates that it is on by default; ○ indicates that the function is not optional; ● indicates that it is optional; / indicates that it doesn't have such program.

### 5.2.3 按键功能 Button function

#### XQG60-U108E:

按键功能：电源，启动/暂停，加漂洗，预约，选择（与），除菌（）7个常用按键

Button functions: Power, Start/Pause, Rinse+, Delay, Select ( and ) , Anti-Bac ();

There are 7 commonly used buttons.

NO.	产品状态 Product state	按键 Buttons	操作和显示 Operation and Display
1	关机 Off	电源 Power	按压接通电源 Press to power on
		其余选项 Other options	按键无效并且显示关闭 The key is invalid and the display is off
2	待机 Standby	电源 Power	按压断开电源 Press to power off
		启动/暂停 Start/Pause	所选程序立即启动 The selected program starts immediately
		加漂洗 Rinse+	选择漂洗次数 Select the rinse times
		预约 Delay	选择程序预约时间 Select the program appointment time
		选择 Select	选择运行程序 Select the running program
		除菌 Anti-Bac	选择除菌程序 Select the "Anti-Bac" program
3	运行 Running	电源 Power	长按 3 秒关机 Long press for 3 seconds to power off

		启动/暂停 Start/Pause	暂停 Pause
		加漂洗 Rinse+	显示设定漂洗次数 Display set the number of rinsing times
		预约 Delay	显示“Err” Display “Err”
		选择 Select	显示“Err” Display “Err”
		除菌 Anti-Bac	显示“Err” Display “Err”
4	暂停 Pause	电源 Power	按压断开电源 Press to power off
		启动/暂停 Start/Pause	继续停止前的程序 Continue the procedure before stopping
		加漂洗 Rinse+	主洗洗涤阶段可改变漂洗次数 The rinsing times can be changed in the main washing stage
		预约 Delay	无反应 No response
		选择 Select	改变运行程序 Change the running program
		除菌 Anti-Bac	选择除菌程序 Select the “Anti-Bac” program
5	预约 Delay	电源 Power	长按 3 秒关机 Long press for 3 seconds to power off
		启动/暂停 Start/Pause	预约启动或暂停 Delay start or pause
		加漂洗 Rinse+	预约暂停可选择漂洗次数 The rinsing times can be selected when the appointment is suspended
		选择 Select	预约暂停可选择运行程序 The running program can be selected when the appointment is suspended
		除菌 Anti-Bac	预约暂停可选择除菌程序 The “Anti-Bac” program can be selected when the appointment is suspended
6	报警 Alarm	启动/暂停 Start/Pause	复位或保持报警状态 Reset or keep alarm state
		电源 Power	长按 3 秒关机 Long press for 3 seconds to power off

**XQG70-U112U:**

按键功能：电源，启动/暂停，加漂洗，预约，转速，温度，程序 7 个常用按键

Button functions: Power, Start/Pause, Rinse+, Delay, Speed, Temperature, Program; There are 7 commonly used buttons.

NO.	产品状态 Product state	按键 Buttons	操作和显示 Operation and Display
1	关机 Off	电源 Power	按压接通电源 Press to power on
		其余选项 Other options	按键无效并且显示关闭 The key is invalid and the display is off
2	待机 Standby	电源 Power	按压断开电源 Press to power off
		启动/暂停 Start/Pause	所选程序立即启动 The selected program starts immediately
		加漂洗 Rinse+	选择漂洗次数 Select the rinse times
		预约 Delay	选择程序预约时间 Select the program appointment time
		转速 Speed	选择脱水转速 Select the spin speed
		温度 Temp	选择洗涤温度 Select the wash temperature
		程序 Program	选择运行程序 Select the running program
3	运行 Running	电源 Power	长按 3 秒关机 Long press for 3 seconds to power off
		启动/暂停 Start/Pause	暂停 Pause
		加漂洗 Rinse+	显示设定漂洗次数 Display set the number of rinsing times
		预约 Delay	显示“Err” Display “Err”
		转速 Speed	显示设定转速 Display the set speed
		温度 Temp	显示设定温度 Display the set temperature
		程序 Program	显示“Err” Display “Err”
4	暂停 Pause	电源 Power	按压断开电源 Press to power off

		启动/暂停 Start/Pause	继续停止前的程序 Continue the procedure before stopping
		加漂洗 Rinse+	主洗洗涤阶段可改变漂洗次数 The rinsing times can be changed in the main washing stage
		预约 Delay	无反应 No response
		转速 Speed	最后一次脱水前可改变脱水转速 The dehydration speed can be changed before the last dehydration
		温度 Temp	加热开始前可改变洗涤温度 The washing temperature can be changed before heating
		程序 Program	改变运行程序 Change the running program
5	预约 Delay	电源 Power	长按 3 秒关机 Long press for 3 seconds to power off
		启动/暂停 Start/Pause	预约启动或暂停 Delay start or pause
		加漂洗 Rinse+	预约暂停可选择漂洗次数 The rinsing times can be selected when the appointment is suspended
		转速 Speed	预约暂停可选择脱水转速 The dehydration speed can be selected when the appointment is suspended
		温度 Temp	预约暂停可选择洗涤温度 The washing temperature can be selected when the appointment is suspended
		程序 Program	预约暂停可选择运行程序 The running program can be selected when the appointment is suspended
6	报警 Alarm	启动/暂停 Start/Pause	复位或保持报警状态 Reset or keep alarm state
		电源 Power	长按 3 秒关机 Long press for 3 seconds to power off

### 5.3 特殊功能 Special Functions

小标题后带有型号表示此功能仅适用于此型号；若无，则表示适用于本手册所有型号。

A model after the subtitle means that this function is only applicable to this model; If not, it is applicable to all models in this manual.

#### 5.3.1 自动断电 Automatic power-off

洗涤周期结束后，机器进入待机状态。控制面板上没有任何控制，10 分钟后机器休眠。

When washing cycle is finished, the machine will change into standby mode. And the machine will be



sleeping after 10 minutes without any control on the control panel.

### 5.3.2 平衡 Balance

本机配有平衡控制装置，确保机器在旋转过程中保持稳定。为了保护机器，当洗衣机滚筒内的衣物分布不均匀时，会自动中断。通过桶的反向旋转重新分配衣服。在不平衡消失和正常旋转恢复之前，这种情况可能会发生几次。如果，大约 20 分钟后，衣服还没有均匀地分布在滚筒上，机器就不会旋转。在这种情况下，手动重新分配负载并重新选择脱水程序。

The machine is fitted with a balance control device, which ensures the machine is stable during the spin. To protect the machine, it will cut in if the laundry is not evenly distributed in the drum. The laundry is redistributed by reverse rotation of the drum. This may happen several times before the unbalance disappears and normal spinning can resume. If, after about 20 minutes, the laundry is still not evenly distributed in the drum, the machine will not spin. In this case, redistributed the load manually and reselect the spin program.

### 5.3.3 温度 Temp

#### XQG70-U112U:

在程序启动前按下“温度”按键，可选择不同的程序洗涤温度，部分程序温度不可选。

Press this button repeatedly to change the wash temperature. But some program temperatures are not optional.

### 5.3.4 加漂洗 Rinse+

按压此按键可以选择不同的漂洗次数。

Press this button repeatedly to change the rinse times.

### 5.3.5 预约 Delay

按压此按键可以预约洗衣机启动时间，预约时间为 1-24 小时。预约时间从按压“启动/暂停”按键后开始计算。

Press this button repeatedly to set the delay time of the starting of a wash cycle from 1 hour to 24 hours. The appointment time is calculated after pressing the “Start/Pause” button.

### 5.3.6 转速 Speed



#### XQG70-U112U:



按压此按键可以选择不同的脱水转速。

Press this button repeatedly to change the spin speed.


### 5.3.7 童锁 Child lock


#### XQG60-U108E:

当机器启动后，同时长按“”和“加漂洗”键几秒钟，直到“”图标下的指示灯亮起，此功能正常工作。按相同的按钮几秒钟取消这个功能。当此功能工作时，所有按键都不可用。

When the machine starts, press the "" and "Rinse+" buttons at the same time for a few seconds till the light under the icon "" is lighting, then the function works. Press the same buttons a few seconds to cancel this function. When the function works, all buttons are not available.

#### XQG70-U112U:

当机器启动后，同时长按“程序”和“转速”键几秒钟，并且“”图标下的指示灯亮起，此功能正常工作。按相同的按钮几秒钟取消这个功能。当此功能工作时，所有按键都不可用。

When the machine starts, press the "Program" and "Speed" buttons at the same time for a few seconds and the light under the icon "" is lighting, then the function works. Press the same buttons a few seconds to cancel this function. When the function works, all buttons are not available.

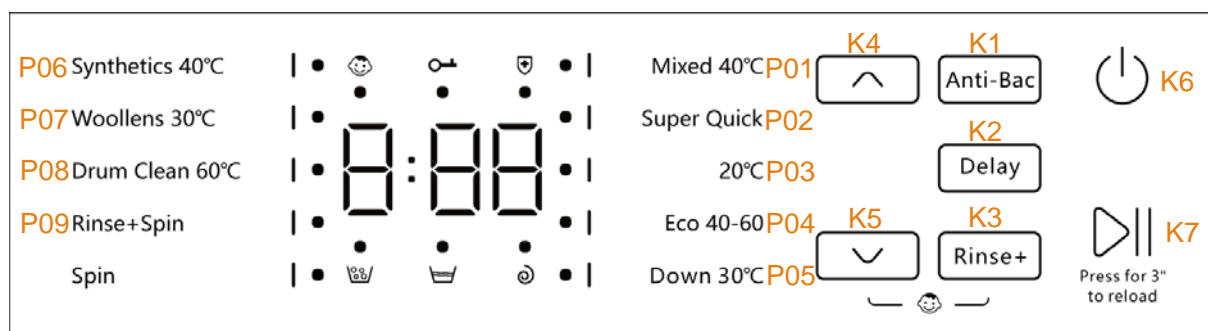
### 5.3.8 中途添衣 Midway add clothes

为了在洗涤循环中添加衣物，长按“启动/暂停”键3秒，并且如果水位过高机器将会排水。如果水温过高，则中途添衣功能不可用。

To reload the laundry during a wash cycle, press "Start/Pause" button for 3 seconds, and the machine will drain if the water level is too high. The reload function is unavailable if the temperature of the water is too high.

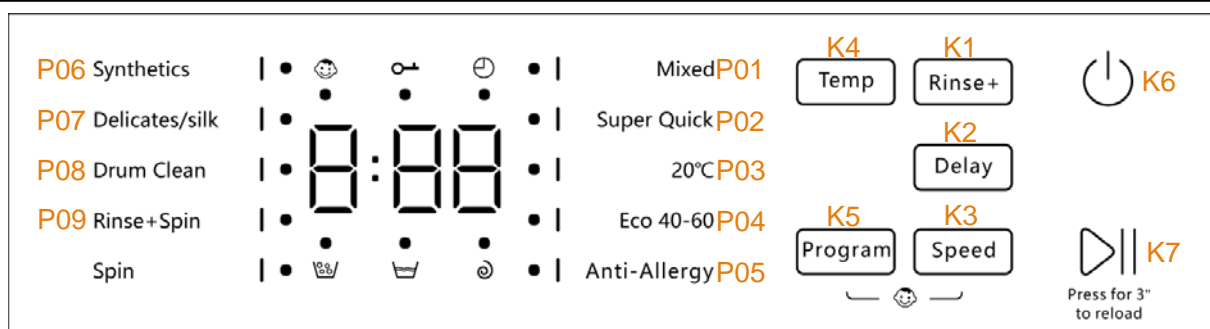
## 6. 服务测试程序 Service Testing Procedures

### 6.1 按键注释 Key Notes:



K1: Anti-Bac; K2: Delay; K3: Rinse+; K4: ; K5: ; K6: Power; K7: Start/Pause;

XQG60-U108E



K1: Rinse+; K2: Delay; K3: Speed; K4: Temp; K5: Program; K6: Power; K7: Start/Pause;

XQG70-U112U

## 6.2 服务模式 Service Mode

上电 30 秒内，选择 P01 程序，同时按 K1 及 K2 键 3 秒不放，进入测试程序，显示屏显示 “t01”

Within 30 seconds of power on, select the P01 program, press the K1 and K2 keys for 3 seconds at the same time to enter the test program, the screen will be display “t01”

### 6.2.1 显示错误代码(t02) Display error code(t02)

1)显示错误代码并且允许售后服务技术人员检测和清除相应的错误代码纪录

Display error codes and allow after-sale service technicians to detect and clear the corresponding error code records.

2)按 K4 键，显示屏显示 “t02”，按 “启动/暂停” 键进入测试程序，显示屏显示 “Ert”。按 “启动/暂停” 键显示最新的错误信息。如果记录错误的存储模块没有记录到错误信息，则显示屏显示 “NEr”

Press the K4 key, the display screen displays “t02”, press the "Start/Pause" button to enter the test program, the display screen displays “Ert”. Press the "Start/Pause" button to display the latest error message. If the memory module that recorded the error does not record the error message, the display displays "NEr".

3)长按 K1 键 3 秒钟不放，清除存储模块中记忆的所有错误代码。错误代码清除后，显示屏显示 “NEr”

Hold the K1 key for 3 seconds to clear all the error codes in memory in the storage module. After the error code is cleared, the screen displays “NEr”.

4)存储模块仅存储最新发生的 1 个错误代码

The storage module only stores the latest error code.

### 6.2.2 版本信息检测(t03) Version information detection(t03)

软件版本检测显示当前软件的版本信息（即：prg version）和非易失性存储器中存储的产品信息（即：客户产品号，共 3 位）

The software version detection displays the version information of the current software (i.e. prg version) and the product information stored in the nonvolatile memory (i.e. customer product number, 3 digits in total).

1)按“启动/暂停”键，显示屏显示“t02”；按 K4 键，显示屏显示“t03”，按“启动/暂停”键进入测试程序，显示屏显示“Sct”

Press the "Start/Pause" key, the display screen displays "t02"; Press the K4 key, the display screen displays "t03", press the "Start/Pause" key to enter the test program, the display screen displays "Sct"

2)按“启动/暂停”键，显示屏显示“cod”，再切换到显示三位的软件大版本信息（即：prg version），然后显示测试版本号（小版本号信息），如此循环交替显示

Press the "Start/ Pause" button, the display screen displays "cod", then switch to display the large version information of the software in three digits (i.e., prg version), and then display the test version number (small version number information), and the display cycle alternately.

3)在正式产品阶段软件版本信息显示从“000”开始递增

In the formal product stage, the software version information is displayed from "000".

4)再按 K4 键，显示屏显示“PC”再切换到显示三位的产品号，如此循环交替显示

Press K4 again, the display screen will display "PC" and then switch to the display of three-digit product number, and the display will be displayed alternately in this cycle.

### 6.3 检测模式 Detection Mode

上电 30 秒内，选择 P01 程序，同时按 K1 及 K4 键 3 秒不放,进入测试程序，蜂鸣发出“嘟嘟嘟、嘟嘟嘟”鸣叫，所有指示灯、图标闪烁 3 次，然后熄灭，显示屏剩余时间显示“PLt”，锁门等待选择执行模式。此时若按“启动/暂停”键，程序执行自动检测模式；若选择 K4、K5 则执行手动检测模式。具体流程如下：

Within 30 seconds of power on, select the P01 program, press the K1 and K4 keys for 3 seconds at the same time to enter the test program, the buzzer will sound, all indicator lights/icons will flash three times, and then go out, the remaining time of the display will display "PLt", lock the door and wait for the execution mode to be selected. At this time, if you press the "Start/Pause" button, the program will execute the automatic detection mode; if you press the K4, K5 key, the program will execute the manual detection mode. The specific process is as follows:

设定 Set up	描述 Describe
C01 预洗阀测试 (P02 位置) C01 pre washing valve test (P02 position)	注水设定时间 Water injection setting time
C02 主洗阀测试 (P03 位置) C02 main washing valve test (P03 position)	注水设定时间 Water injection setting time
C03 软化阀测试 (P04 位置) C03 softening valve test (P04 position)	注水设定时间 Water injection setting time
C05 加热测试 (P06 位置) C05 heating test (P06 position)	判断水位是否已在 WL00 水位以上, 如未到必须软化阀先补水至 WL00 水位, 然后开始加热, 加热设定时间 Judge whether the water level is above WL00 level. If not, make up water to WL00 level by softening valve, then start heating, set heating time
C06 电机转动方向测试 (P07 位置) C06 motor rotation direction test (P07 position)	正转设定时间 Forward rotation setting time
C07 外筒泄漏测试 (P08 位置) C07 outer cylinder leakage test (P08 position)	判断水位是否已在洗涤 WL00 水位, 如未到必须先软化阀补水至洗涤 WL00 水位, 反转设定时间 Judge whether the water level is above WL00 level. If not, make up water to WL00 level by softening valve, then reverse the set time
C08 排脱水测试 (P09 位置) C08 drain water test (p09 position)	先排水至空筒 0 水位以下, 然后以最高速脱水 (无须不平衡检测), 加速及高速过程持续设定时间, 关闭电机输出。 First drain water to the level below 0 of the empty cylinder, then dehydrate at the highest speed (without imbalance detection), and the motor output will be turned off when the acceleration and high-speed process lasts for a set time.

注:

Note:

- ◆测试过程中, 检测故障报警, 如在当前阶段发生时, 立即报警, 并停止执行程序。
- ◆In the process of testing, detect the fault alarm, if it occurs in the current stage, immediately alarm and stop executing the program.
- ◆在各阶段测试时剩余时间窗口显示“C01~C08”。
- ◆The remaining time window displays "C01~C08" in each phase of the test.

◆在自动检测模式执行过程中：任何按键均不响应，退出模式为关闭“电源”K6键。

◆In the process of automatic detection mode: any button do not respond, press the "Power" K6 button to exit the mode.

◆在检测模式中：

◆In the test mode:

⇒以上测试 K4、K5 程序选择按键可任意选择，对应测试在按“启动/暂停”键后立即有效；

The test program selection keys K4 and K5 can be arbitrarily selected, and the corresponding test will be effective immediately after pressing the "Start/Pause" button;

⇒每次测试前均需闭合门锁，否则门锁故障报警；

Close the door lock before each test, otherwise the door lock will give an alarm;

⇒各测试阶段均可回旋进行；

All testing stages can be carried out;

⇒在此模式下，若选择的程序不在以上测试位置，则无任何响应。

In this mode, if the selected program is not in the above test position, there is no response.

◆退出此模式关闭“电源”按键。

◆Press the "Power" button to exit this mode.

## 7.异常报警/异常指示 Abnormality Alarms/Abnormality Indications

注：请先仔细检查故障原因再更换元器件。

Note: Please check the cause of the failure carefully before replacing the components.

报警代码	故障描述	故障条件	可能故障原因	处理方法	机器状态	复位方式
Alarm code	Fault description	Fault conditions	Possible cause of failure	Processing method	Machine status	Reset mode
E01	进水超时 The water of machine fills overtime	1、设定时间内没有到达设定水位报警； Alarm when the set water level is not reached	1、水龙头未打开或水流太慢 The water tap is not open	1、打开水龙头 Open the water tap	暂停 Pause	启动 暂停 键复位 Start stop

		within the set time;	2、排水管未挂起 The drain hose is put down	2、挂起排水管 Hook up the hose		key reset
			3、水位传感器或空气管漏气 Leakage of water level sensor or hose air	3、检查水位传感器和空气管装配,或更换 Check the assembly of water level sensor and hose air, or change it		
			4、水位传感器端子未插好或线束故障 The connection between the water level sensor and wire is not secure or wire is damaged	4、检查线束端子插接是否牢固或更换线束 Check the connection and ensure it is secure or change wire		关闭电源 Turn off the power
			5、进水阀损坏 The water valve is damaged	5、更换进水阀 Change the water valve		
			6、电脑板故障(进水阀可控硅开路) The PCB is damaged (thyristor of water valve is open)	6、更换电脑板 Change the PCB		

E02	门锁故障 There is a door lock alarm	1、在尝试锁门或解锁时，门不能锁上或解锁 When trying to lock or unlock the door, if the door cannot be locked or unlocked  2、在运行中检测到门锁打开 Door lock open detected in operation	1、门未关好 The door is not locked well	1、检查门是否关好 Lock the door well	暂停 Pause	启动 暂停 键复位 Start stop key reset
			2、门锁故障 Door lock is damaged	2、更换门锁 Change the door lock		关闭 电源 Turn off the power
			3、接线端子未插好或线束故障 The connection between the door lock and wire is not secure or wire is damaged	3、检查线束端子插接是否牢固或更换线束 Check the connection and ensure it is secure or change wire		
			4、电脑板故障(门锁继电器故障 或者可控硅故障) The PCB is damaged (door lock relay failure or thyristor failure)	4、更换电脑板 Change the PCB		
E03	排水超时 The machine drains overtime	排水超过设定时间，还未到空筒水位 The water level of empty cylinder is not reached after	1、排水泵过滤器脏堵 The drain pump filter is block	1、清除泵过滤器脏物 Clean the filter	暂停 Pause	启动 暂停 键复位 Start stop



		setting time of drainage	2、排水管堵塞 The drainage system pipes are blocked	2、疏通排水管脏堵 Check the drainage system and clean it		key reset
			3、排水泵故障 The drain pump is damaged	3、更换排水泵 Change the drain pump		关闭电源 Turn off the power
			4、排水泵线束插头松动、未接或线束故障 The connection between the drain pump and wire is not secure or wire is damaged	4、检查线束端子插接是否牢固或更换线束 Check the connection and ensure it is secure or change wire		
			5、电脑板故障(水泵可控硅击穿或水位传感器端子短路) The PCB is damaged (water pump SCR breakdown or water level sensor terminal short circuit)	5、更换电脑板 Change the PCB		

E04	溢水报警 Water overflows the machine	筒内水位超高（水位传感器检测到溢水水位） The water level in the cylinder is too high (the water level sensor detects the overflow water level)	1、进水阀故障 The water valve is damaged	1、更换进水阀 Change the water valve	1、闭合门锁，关闭所有负载，排水至空筒水位后再持续排设定时间； Close the door lock, close all loads, drain to the empty cylinder water level for setting time  2、关闭排水泵，保持水位检测；当再次检测到溢出水位，重复上述过程 Close the drain pump to maintain the water level detection; when the overflow level is detected again, repeat the above process.	关闭电源 Turn off the power
			2、水位传感器或线束故障（溢水水位短路） The water level sensor or wire is damaged (overflow water level short circuit)	2、检查水位传感器及线束 Check the water level sensor and wire		
			3、电脑板故障（进水阀可控硅短路） The PCB is damaged (thyristor short circuit of water valve)	3、更换电脑板 Change the PCB		

E05	洗涤电机故障 The motor does not work	1、电机无转速反馈 No speed feedback of motor 2、电机温升过高 The temperature rise of motor is too high 3、电机可控硅短路 Motor thyristor short circuit	1、电机线束端子松动或线束故障 The connection between the motor and wire is not secure or wire is damaged	1、检查线束端子插接是否牢固或更换线束 Check the connection and ensure it is secure or change wire	闭合门锁，关闭所有负载，排水至安全水位后再持续排设定时间 Close the door lock, close all loads and drain to a safe level for setting time	关闭电源 Turn off the power
			2、电机温升过高热保护动作 The motor is protected because of over-heat	2、检查衣物是否过多或卡住，断电冷却一段时间后，可以重新上电运行 Check if the machine is overloaded. Switch off the machine, and retry when the motor becomes cool		
			3、电机本身故障 The motor is damaged	3、更换电机 Change the motor		
			4、电脑板故障 The PCB is damaged	4、更换电脑板 Change the PCB		

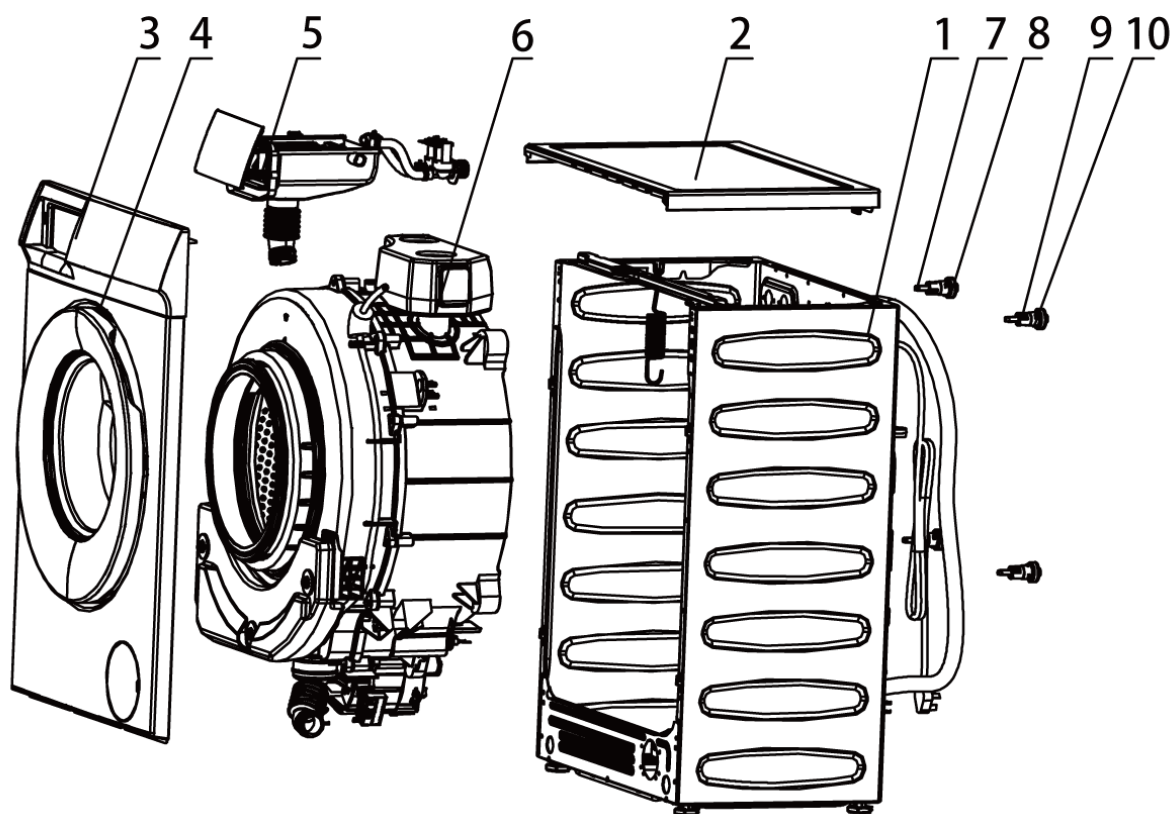
E06	水发热管故障 There is a heating tube fault	1、加热超时（连续加热设定时间，检测温度 NTC 数值变化小于 2） Heating timeout (continuous heating for setting time, the change of NTC value of detection temperature is less than 2)	1、发热管线束端子松动或线束故障 The connection between the heating tube and wire is not secure or wire is damaged	1、检查线束端子插接是否牢固或更换线束 Check the connection and ensure it is secure or change wire	跳过加热阶段，程序结束后报警 Skip the heating phase, alarm after the end of the program  闭合门锁，关闭所有负载(不排水) Close the door lock and close all loads (undrained)	关闭电源 Turn off the power
		2、水加热温度传感器超过 99℃但没有报 E7 错误 Water heating temperature sensor exceeds 99 °C, but E7 error is not reported	2、发热管故障 The heating tube is damaged	2、更换发热管 Change the heating tube		
		3、电脑板故障 The PCB is damaged	3、更换电脑板 Change the PCB			
E07	水加热温度传感器故障 There is a temperature sensor fault	水加热温度传感器电压值范围异常（短路或断路） Abnormal voltage range of water heating temperature sensor (short circuit or open circuit)	1、水加热温度传感器线束端子松动或线束故障 The connection between the wire and temperature sensor is not secure or wire is damaged	1、检查线束端子插接是否牢固或更换线束 Check the connection and ensure it is secure or change wire	跳过加热阶段，程序结束后报警 Skip the heating phase, alarm after the end of the program	关闭电源 Turn off the power

			2、温度传感器故障 The temperature sensor is damaged	2、更换温度传感器 Change the temperature sensor		
			3、电脑板故障 The PCB is damaged	3、更换电脑板 Change the PCB		

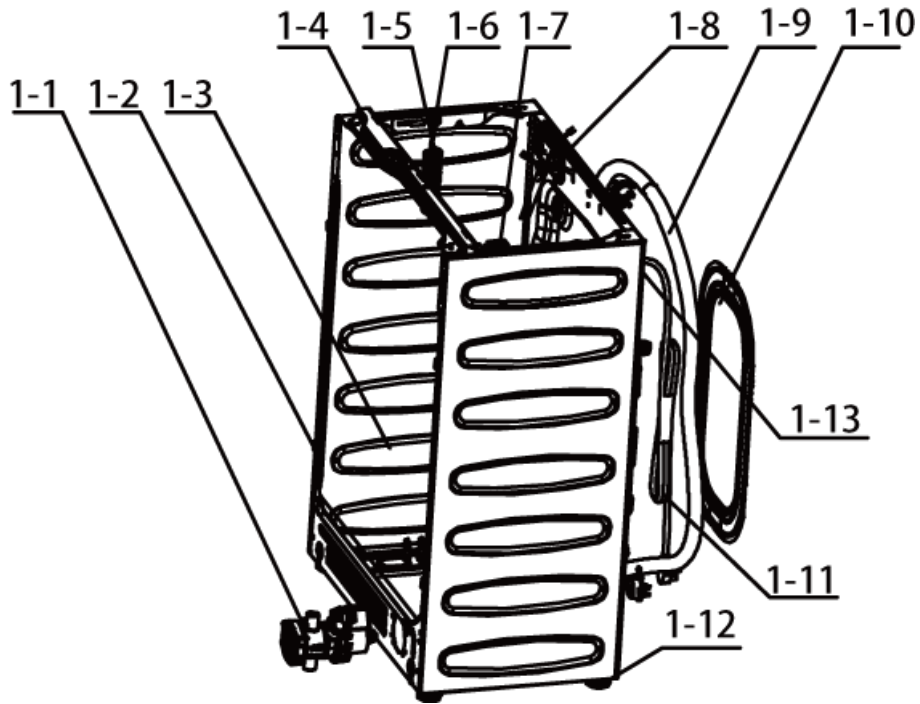
## 8.爆炸图 Exploded View

以 XQG70-U112U 为例

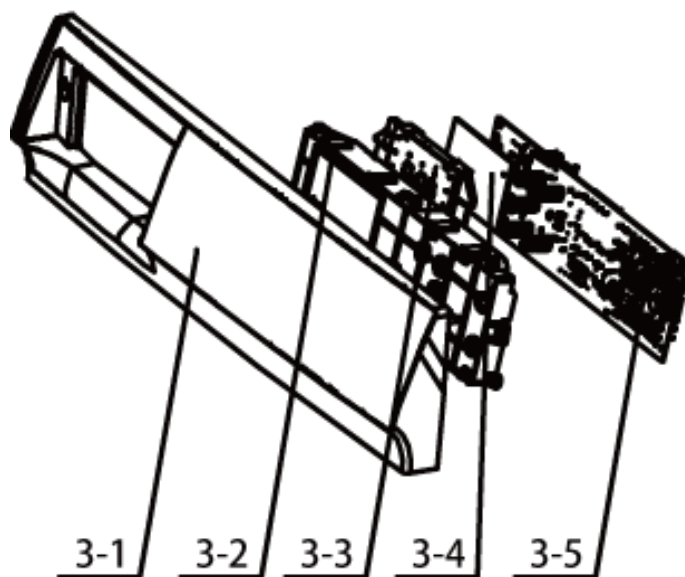
Take XQG70-U112U for example



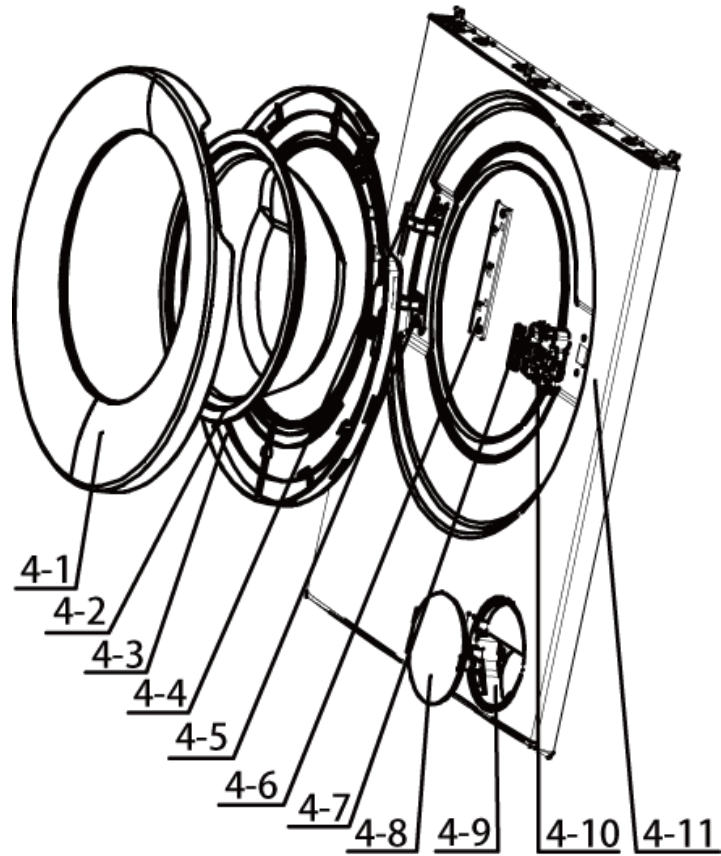
### 1.Cabinet Component As



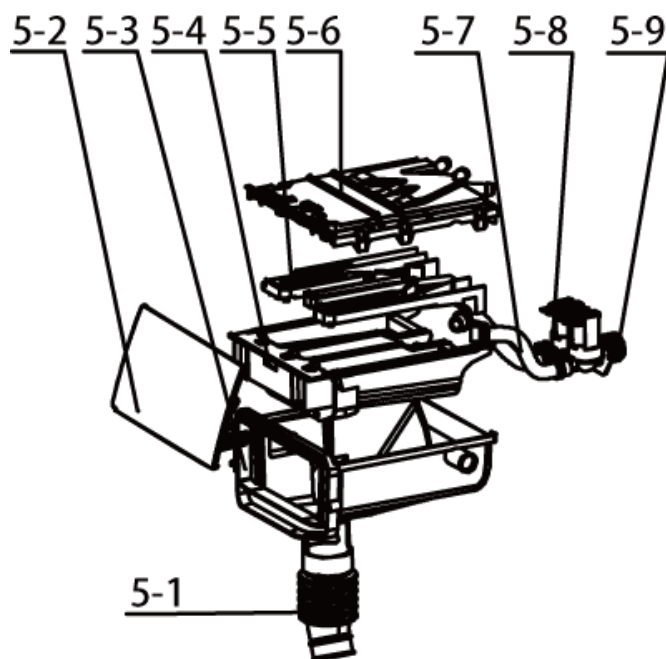
### 3.Control Panel Component As



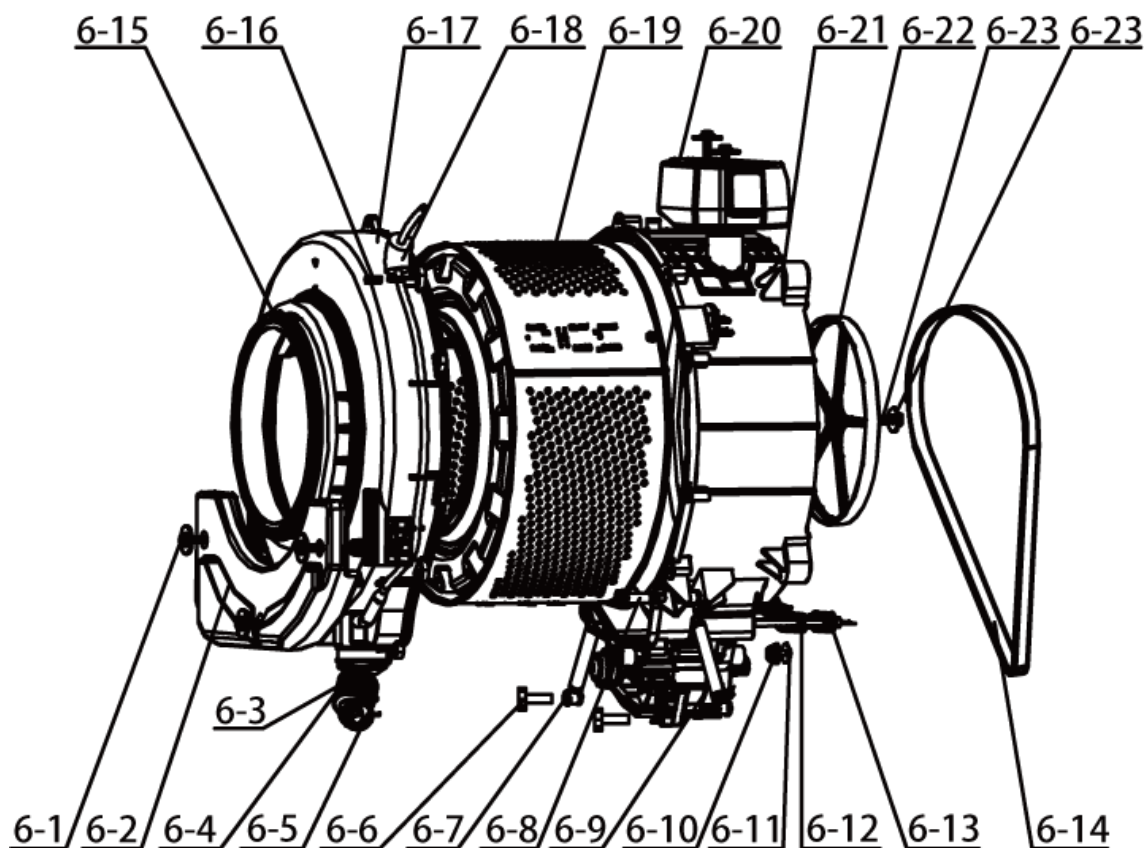
### 4. Doorl Component As



### 5. Inlet House Component As



## 6.Drum Component As



零部件清单 Parts and components break-down:

XQG70-U112U:

No.	Code	Name	Name	Quantity
1	XU1QG70.1(1039)	Cabinet Component As	箱体部件	1
2	XU1QG70.2-1(1039)	Top Cover	顶盖	1
3	XU1QG70U.3(1039)	Control Panel Component As	控制面板部件	1
4	XU1QG70E.4(1039)	Door Component As	门体部件	1
5	XU1QG70.5(1039)	Inlet House Component As	进水斗部件	1
6	XU1QG70.6(1039)	Drum Component As	滚筒部件	1
7	XLD03-18	Transportation Bolt As	运输螺栓组件	4
8	XA2QG60.9-6(167)	Transportation rubber	运输橡胶圈	4
9	XQ7QG70.9-5(505)	Transportation Plastic	运输塑料柱	4
10	XT5QG90.9-6(584)	Hole Cap	孔盖 22	4



1-1	XDQ20-20	Pump	排水泵	1
1-2	XT5QG90.1.1-1(584)	Front Panel Supporter	前盖板固定块	4
1-3	XU1QG70.1.1(1039)	Cabinet As	箱体组件	1
1-4	XU1QG70.1-3(1039)	Upper Frame	前上加强板	1
1-5	XU1QG70.1-2(1039)	Suspension Spring	外桶拉簧	2
1-6	X1QG60.1-8	Suspension Spring Stopper	拉簧塑料座	2
1-7	XDQ10-08	Pressure Switch	水位传感器	1
1-8	XU1QG70.3-6(1039)	Wiring Harness	线束	1
1-9	XA1QG70D.9.2-4	Drain Hose	排水管	1
1-10	XU1QG70.1-1(1039)	Cabinet Back Cover	后盖板	1
1-11	XDQ05-120	Power Cord	电源线	1
1-12	XA2QG60.1.2(167)	Adjustable Feet As	底脚组件	4
1-13	XU1QG60.1-4(1059)	Filter	滤波器	1
3-1	XU1QG70.3-1(1039)	Control Panel	控制面板	1
3-2	XU1QG70.3-2(1039)	PCB House	电控盒	1
3-3	XU1QG70.3-3(1039)	Light Guide	灯架	1
3-4	XU1QG70.3-5(1040)	Display	显示屏	1
3-5	XU1QG70U.3-4(1039)	PCB	电脑板	1
4-1	XU1QG70.4-1(1039)	Outer Door Frame	门外座	1
4-2	XA1QG72D.5-5	Door Glass	玻璃窗	1
4-3	XU1QG70.4-2(1039)	Inner Door Frame	门内座	1
4-4	XT5QG90.5.1-2(584)	Hinge Cap	门铰套	2
4-5	XT5QG90.5.1-1(584)	Door Hinge	门铰	1
4-6	XT5QG90.5-6(584)	Door Hinge Support	门铰加强板	1
4-7	XT8QG90V.5-4(588)	Door Hook	门扣	1
4-8	XU1QG70.4.1-1(1039)	Pump House Cap	水泵挡板	1
4-9	XU1QG70.4.1-2(1039)	Pump House	水泵盒	1
4-10	XT8QG80V.5-6(588)	Door Lock	门锁	1
4-11	XU1QG70.4-3(1039)	Front Panel	前盖板	1
5-1	XU1QG70.5-2(1039)	Inlet Tube	进水软管	1
5-2	XU1QG70.5.1-3(1039)	Drawer	拉盖	1
5-3	XU1QG70.5.2-1(1039)	Detergent Dispenser Housing	进水斗	1
5-4	XU1QG70.5.1-1(1039)	Detergent Dispenser	洗衣粉盒	1

5-5	XU1QG70.5.2-2(1039)	Distributary Box	分流盒	1
5-6	XU1QG70.5.2-3(1039)	Distributary Box Cover	分流盒盖	1
5-7	XU1QG70.5-1(1039)	Inlet Valve Hose	进水阀软管	2
5-8	XBJ01-26	Hose Clamp 14	管夹 14	4
5-9	XDQ02-01	Inlet Valve	进水阀	1
6-1	XLD03-23	Bolt As	配重块木螺钉组件	5
6-2	XU1QG70.6-4(1039)	Lower Balancer	下配重块	1
6-3	XBJ01-19	Hose Clamp 70	管夹 70	1
6-4	XA2QG60.7-4(167)	Drain Tube	排水软管	1
6-5	XBJ01-03	Hose Clamp 36	管夹 36	1
6-6	XLD03-30	Damper Bolt	螺栓	2
6-7	XU1QG70.6-6(1039)	Absorber	阻尼减震器	2
6-8	XA2QG60.7-13(167)	Absorber Pin	减震器销	2
6-9	XDQ04-82	Motor	串激电机	1
6-10	X1QG60.7.3-6	Rubber Ring1	电机橡胶套 1	6
6-11	XLD03-15	Motor Bolt As	电机螺钉组件	2
6-12	XT5QG90.7.3-2(584)	Heater Support	发热管支架	1
6-13	XA2QG60.8-3(167)	Heater	发热管	1
6-14	XA8QG80.7-1(975)	Belt	皮带	1
6-15	XU1QG70.6-1(1039)	Gasket	门密封圈	1
6-16	XT5QG90.7-5(584)	Air Hose Spigot	空气管塞	2
6-17	XU1QG70.6.2-1(1039)	Front Tub	外桶前盖	1
6-18	XU1QG70.6-2(1039)	Air Chamber	气囊	1
6-19	XU1QG70.6.1(1039)	Drum As	内桶组件	1
6-20	XU1QG70.6-3(1039)	Upper Balancer	上配重块	1
6-21	/	Back Tub Assemble	外桶后盖组件	1
6-22	XU1QG70.6-5(1039)	Pulley	皮带轮	1
6-23	GB/T 5789-1986	Bolt M10	六角法兰面螺栓	1
6-24	GB/T 5789 10	Washer	垫圈	1

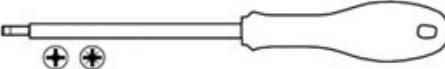





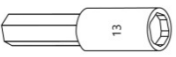

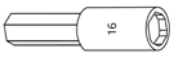


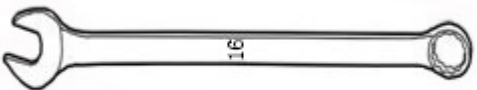
注：6-21 包含主轴密封圈[XT5QG90.7.3-1(584)]、轴承 6206[6206-2RZ/C3]、外桶后盖及轴承座组件 [XU1QG70.6.3.1(1039)]、轴承 6205[6205-2RZ/C3]；若主轴密封圈、轴承 6206、外桶后盖及轴承座组件、轴承 6205 中任一零件损坏，都需配套申请此 4 件零件，并压装好后才能使用。

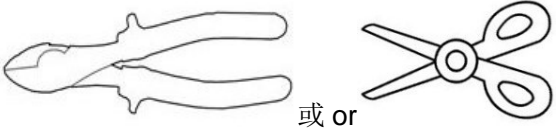
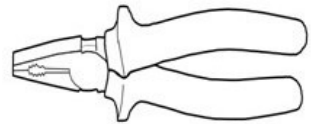


Note: 6-21 includes Shaft Seal[XT5QG90.7.3-1(584)], Bearing 6206[6206-2RZ/C3], Rear Tub and

Bearing Housing AS[XU1QG70.6.3.1(1039)], Bearing 6205 [6205-2RZ/C3];if any part of Shaft Seal, Bearing 6206, Rear Tub and Bearing Housing AS and Bearing 6205 is damaged, it is necessary to apply for these 4 parts and die cast them before use.

## 9.机器拆卸步骤 Machine Disassembling Procedures

### 9.1 工具明细 Using Tools:

NO.	名称 Name	示意图 Sketch Map
1	十字批或电批 Cross screwdriver or Electric screwdriver	 或 or  与 and 
2	电批与 10 号外六角套筒 Electric screwdriver and NO.10 outer hexagon sleeve	 与 and 
3	电批与 13 号外六角套筒 Electric screwdriver and NO.13 outer hexagon sleeve	 与 and 
4	电批与 16 号外六角套筒 Electric screwdriver and NO.16 outer hexagon sleeve	 与 and 
5	10 号扳手 NO.10 wrench	
6	13 号扳手 NO.13 wrench	
7	16 号扳手 NO.16 wrench	

8	剪钳或剪刀 Diagonal cutters or Scissors	 或 or
9	平口钳 Combination pliers	
10	防静电手套 Antistatic gloves	
11	手套 Gloves	

注：1.拆卸钣金件时，请佩戴手套，做好防护，以免受伤。

2.所有部件在组装时，请按原始装配情况装配。

Note:

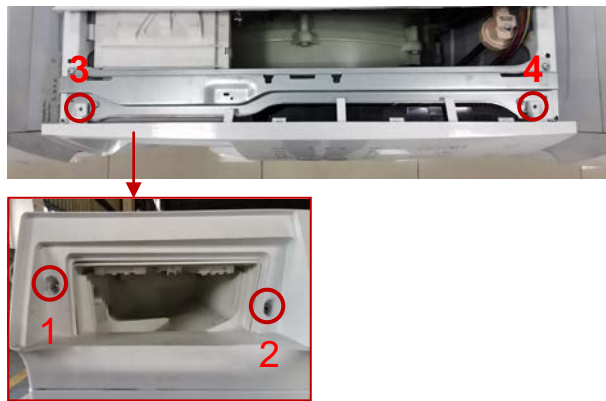
1. When removing sheet metal parts, please wear gloves and protect them to avoid injury.

2. When assembling all parts, please assemble them according to the original condition.

## 9.2 拆卸步骤 Disassembly Procedure

拆卸工序 Disassembly procedure	简要说明 Brief description	注意事项 Matters needing attention
拆除顶盖板和后盖板 Remove top cover as and back cover		

	<p>1、用十字批拆除固定顶盖板螺钉 <u>1、2</u> Remove the screws <u>1 and 2</u> fixing the top cover plate with a cross screwdriver</p> <p>2、用手把顶盖板往后推，取出顶盖板 Push back the top cover by hand and take out the top cover</p> <p>3、用十字批拆除后盖板六个螺钉 <u>3、4、5、6、7、8</u> Remove six screws <u>3, 4, 5, 6, 7 and 8</u> of the back cover with a cross screwdriver</p>	<p>1、拆出的顶盖板和后盖板做好防刮花保护 The top cover as and back cover removed shall be protected against scratching</p> <div data-bbox="1158 580 1426 1016" style="border: 1px solid red; padding: 5px;"> <p style="text-align: center;">使用工具 Using tools</p>  <p style="text-align: center;">十字批 Cross screwdriver</p> </div>
<p>拆除面板组件 Remove control panel as</p>		
	<p>1、拉出拉盖，用手按压图一位置同时抽出拉盖 Pull out the drawer, press the position in fig.1 by hand and pull out the drawer at the same time</p>	<p>1、抽出的拉盖做好防刮花保护 The drawer pulled out shall be protected against scratching</p>



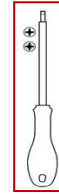
2.用十字批拆除左图中螺钉 1、2、3、4

Use a cross screwdriver to exit the screws 1, 2, 3 and 4

3.将面板组件向外翻转约 90 度

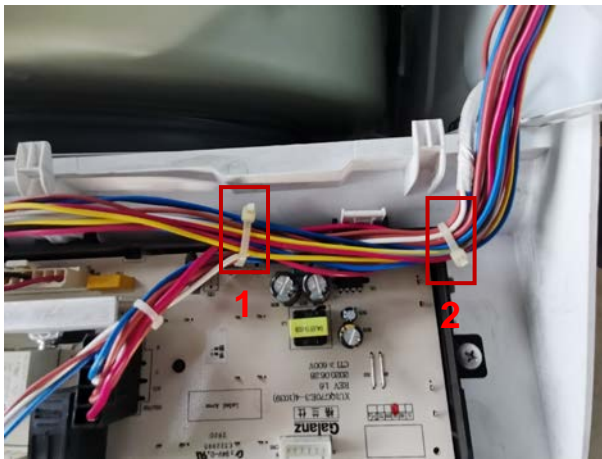
Turn the panel assembly outward about 90 degrees

### 使用工具 Using tools



十字批

Cross  
screwdriver



4、用剪钳剪去图中所示两段扎带 1、2  
Use diagonal cutters to cut out two sections of tie 1 and 2 as shown in the figure

5、拔出电脑板上的所有接线端子并整理线束  
Pull out all terminals on the PCB, arrange wiring harness

6、取出面板组件后做好防静电和防刮花保护

After removing the panel components, make anti-static and anti-scratch protection

1、使用剪钳时注意不要剪断线组  
When using the diagonal cutters, be careful not to cut the thread

2、注意拔出接线端子时请戴防静电手套  
Please wear antistatic gloves when pulling out the terminal

3、装机时需另外补充两条扎带

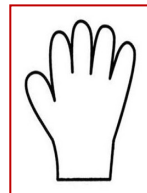
Two additional ties should be added during installation

### 使用工具 Using tools



剪钳

Diagonal  
cutters



防静电手套

Antistatic  
gloves



拆除前上加强板  
Remove upper frame

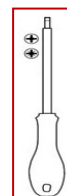


1、用十字批拆去图  
中所示的六个螺钉  
1、2、3、4、5、6，  
取出前上加强板  
Remove the six  
screws 1, 2, 3, 4, 5  
and 6 shown in the  
figure with a cross  
screwdriver, and  
take out the upper  
frame

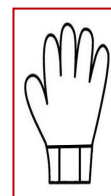
2、取出前上加强板  
时注意刮手  
Pay attention to the  
scraping hand when  
taking out the upper  
frame

1、前上加强板锋利，  
取出时建议戴防护手  
套进行操作  
The upper frame is  
sharp. It is  
recommended to  
wear gloves when  
taking it out

使用工具  
Using tools

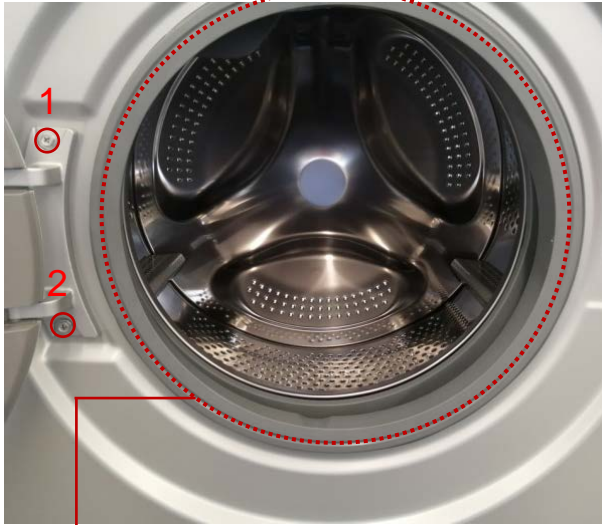


十字批  
Cross  
screwdriver



防护手套  
Gloves

拆除门组件  
Remove door



1、打开门组件用十字批拆除螺钉 1、2  
Open the door and use the cross screwdriver to exit screws 1 and 2

2、把门组件抬起同时取出门组件，做好防护  
Lift the door then take out the door

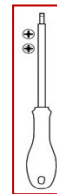
3、用手拉伸门封 3，取出外铁线，整理密封圈到前盖板内  
Stretch the door seal 3 by hand, take out the outer gasket clamp, and arrange the outer gasket clamp into the front panel

1、拆出的门组件做好防刮花保护  
The removed door shall be protected against scratch

2、拆除螺钉时注意前盖板不要刮花  
When removing the screw, pay attention to the front panel not to scratch

2、拆除螺钉时注意前盖板不要刮花  
When removing the screw, pay attention to the front panel not to scratch

使用工具  
Using tools



十字批

Cross  
screwdriver

拆除前盖板组件和门锁组件  
Remove front panel and door lock





1、下压 1、2 凸点，将门锁向左移，取出门锁，把门锁线束端子拔出

Press the bump points 1 and 2, move the door lock to the left, take out the door lock, and pull out the door lock terminal

2、用十字批拆除左图的五个螺钉 3、4、5、6、7

Use the cross screwdriver to exit the five screws 3, 4, 5, 6 and 7 in the left figure

1、拆除螺钉时注意前盖板不要刮花

Don't scratch the front panel when removing the screw

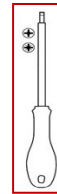
2、注意取出前盖板时不要用力过大，以免扯断门锁线

Pay attention to take out the front panel do not force too much, so as not to pull the lock wire

3、拆出的门锁注意做好防护措施

Pay attention to protective measures for the door lock

#### 使用工具 Using tools

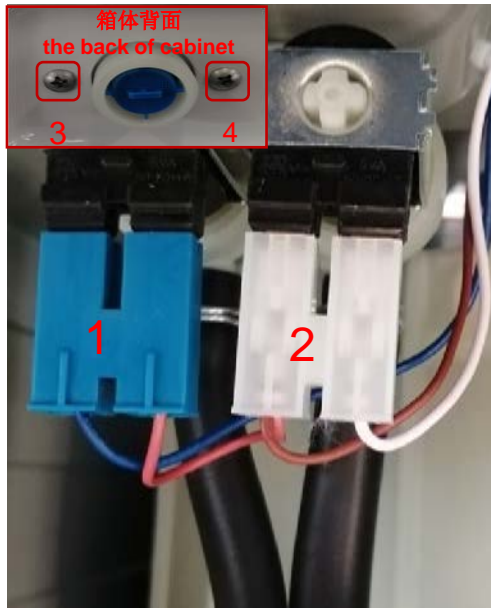


十字批

Cross  
screwdriver

拆除进水阀组件

Remove water valve



1、拔出进水阀组件两个接线端子 1、2  
Pull out the three terminals 1 and 2 of the water valve

2、用十字批拆除背面两个螺钉 3、4，取出进水阀组件  
Remove the two screws 3 and 4 on the back of cabinet with a cross screwdriver, and take out the water valve

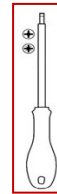
1、注意原机器上的进水阀接线端子 1、2 的顺序，重装时不要接反

Pay attention to the sequence of water valve terminal 1 and 2 on the original machine. Do not connect wrong terminals during reinstallation

2、注意拆 3、4 位置的螺钉时不要刮花箱体

Pay attention to the screw removal position 3 and 4 do not scratch the cabinet

#### 使用工具 Using tools

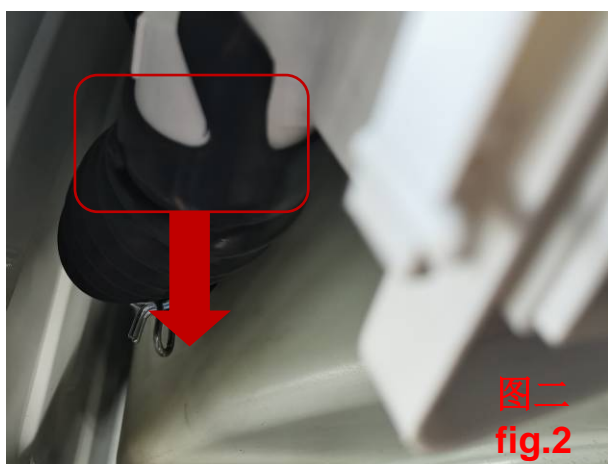


十字批

Cross

screwdriver

拆除进水斗组件  
Remove inlet housing



1、从扣位 1、2 中取出进水斗组件

Take the inlet housing out of the buckle 1 and 2

2、抬起进水斗组件，把进水软管挂钩往上提，直到脱出扣位为止（见左图一）

Lift the inlet housing and lift the inlet hose hook up until it is out of the buckle position (see fig.1 on the left)

3、握住进水软管，用力往下拉（见左图二）

Hold the inlet hose and pull down hard (see fig.2 on the left)

4、拆出的进水阀、进水斗组件取出并做好防护

Take out and protect water valve and inlet housing

拆除发热管和电机线组

Remove the harness of heater and motor



1、用剪钳剪去左图中扎带 1

Use diagonal cutters to cut out the tie 1 in the left figure

2、拔出外桶后盖上的发热管和电机线组 2、3、4、5、6

Pull out the heater and motor wire group 2, 3, 4, 5 and 6 on the back cover of the rear tub

1、使用剪钳时注意不要剪断线组

When using the diagonal cutters, be careful not to cut the thread

2、拔出接线端子时注意端子不要扯断线

Pay attention not to break the wire when pulling out the terminal

使用工具  
Using tools

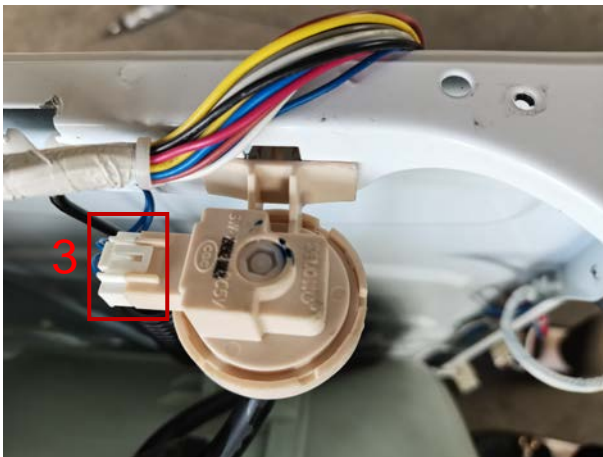
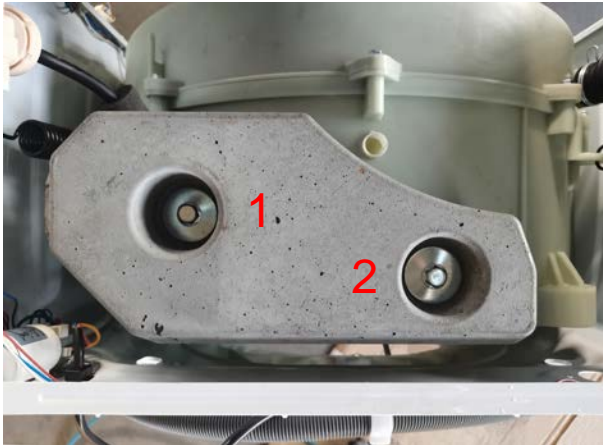


剪钳

Diagonal cutters

拆除上配重块和水位传感器

Remove upper balancer and water level switch

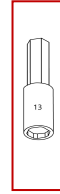


1、用 13 号外六角套筒配合电批拆除左图上配重块螺钉 1、2  
Remove the screws 1 and 2 of the upper balancer with No.13 outer hexagon sleeve and electric screwdriver, and take out the balancer

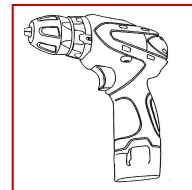
2、拆出的配重块要轻拿轻放，避免损坏  
Remove the upper balancer to be handled gently to avoid damage

3、拔出水位传感器接线端子 3，把水位传感器向上移，拆下水位传感器  
Pull out the water level switch terminal 3, move the water level sensor upward and remove the water level sensor

### 使用工具 Using tools



13 号外六角套筒  
No. 13 outer hexagon sleeve



电批  
Electric screwdriver

拆除减震销和排水软管

Remove absorber pin and drain hose



1、用平口钳夹紧排水软管管夹 3 同时拉出

Clamp drain hose clip 3 with combination pliers and pull it out

2、用 16 号外六角套筒配合电批拆除螺栓 1、2

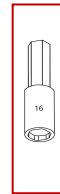
Remove the bolts 1 and 2 with No.16 outer hexagon sleeve and electric screwdriver

### 使用工具 Using tools

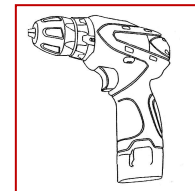


平口钳  
Combination  
pliers

### 使用工具 Using tools



16 号外六角套筒  
No. 16 outer  
hexagon sleeve



电批  
Electric  
screwdriver

拆除外桶组件  
Remove tub as



1、整理线束和水位传感器

Organize harness and water level sensor

2、紧握外桶拉簧两端用力往上提直到外桶完全脱离箱体为止，在提吊桶过程中注意不要压线或碰到其它物料

Hold both ends of the suspension spring and lift it up until the tub is completely separated from the cabinet. Pay attention not to press the line or touch other materials during the lifting of the tub

1、提起外桶时应避免碰到线组、水位传感器、箱体、过滤器或橡胶件

When lifting the tub, avoid touching the harness, water level switch, cabinet, filter or rubber parts

2、外桶拿出后应轻拿轻放，避免碰烂外桶或电机组件

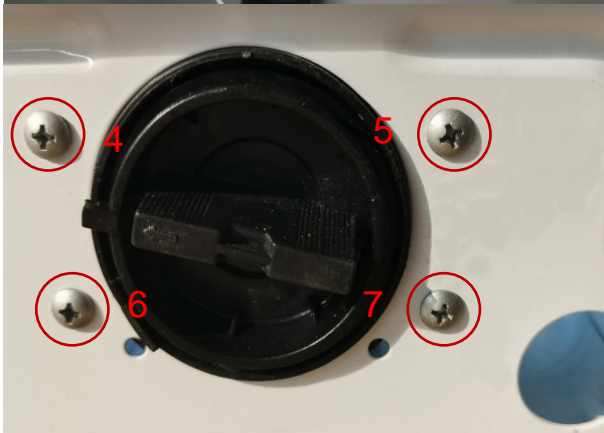
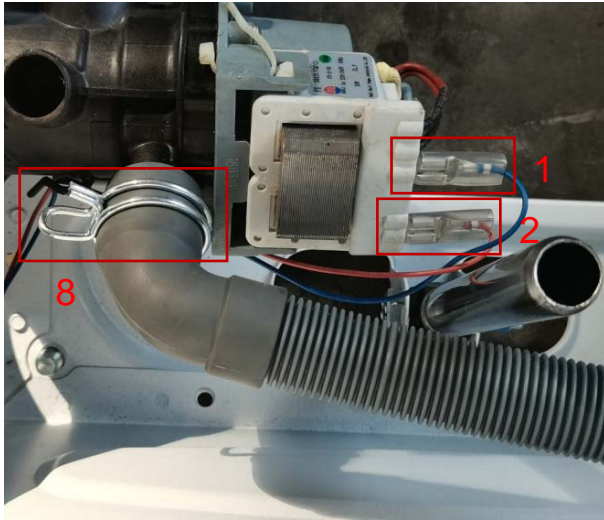
After taking out the tub, handle it gently to avoid damaging the tub or motor

3、堆放时请门密封圈向下，皮带轮向上

When stacking, please keep the gasket downward and the pulley upward

拆除排水泵组件

Remove drain pump as



1、拔出排水泵上的零火线 1、2

First pull out the zero live wire 1 and 2 on the drain pump

2、用十字批拆除螺钉 3、4、5、6、7  
Exit the four screws 3, 4, 5, 6 and 7 with a cross screwdriver

3、用平口钳夹紧管夹 8 同时用力拔出排水管

Clamp the hose clamp 8 with combination pliers and pull out the drain hose with force at the same time

1、拆除或安装排水泵螺钉时请注意不能滑牙或漏装，避免产生噪音

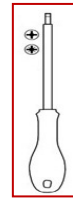
When removing or installing the drain pump screws, please pay attention to avoid sliding teeth or leakage, so as to avoid noise

### 使用工具 Using tools



平口钳

Combination  
pliers



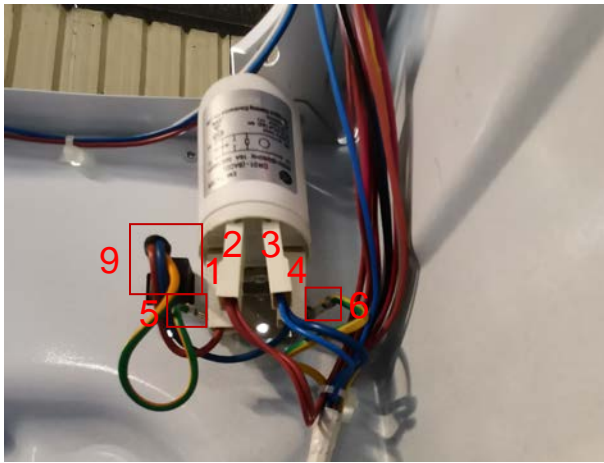
十字批

Cross  
screwdriver

拆除过滤器和电源线

Remove filter and power cord





1、拔出滤波器上的四个接线端子 1、2、3、4 和两个接地端子 5、6

Pull out the four terminals 1, 2, 3, 4 and two grounding 5 and 6 terminals on the filter

2、用十字批拆除背面的两个螺钉 7、8，取出滤波器

Remove the two screws 7 and 8 on the back with a cross screwdriver and take out the filter

3、用平口钳夹紧电源线位置 9 再旋转 90 度后拉出电源线  
Clamp position 9 of the power cord with combination pliers and rotate it 90 degrees then take out the power cord

1、滤波器上的 1、2、3、4 位置线组顺序：

1 单条电源线棕色，2 一条粗和一条细的棕色，3 两条粗的蓝色，4 单条电源线蓝色，不要接错否则可能引起报警

The sequence of line groups of position 1, 2, 3 and 4 on the filter: 1 single power line is brown, 2 one thick and one thin brown, 3 two thick blue, 4 single power line is blue, do not connect it wrong, otherwise it may cause alarm

2、拔出接线端子时注意不要扯断线

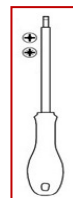
Pay attention not to break the wire when pulling out the terminal

#### 使用工具 Using tools



平口钳

Combination pliers



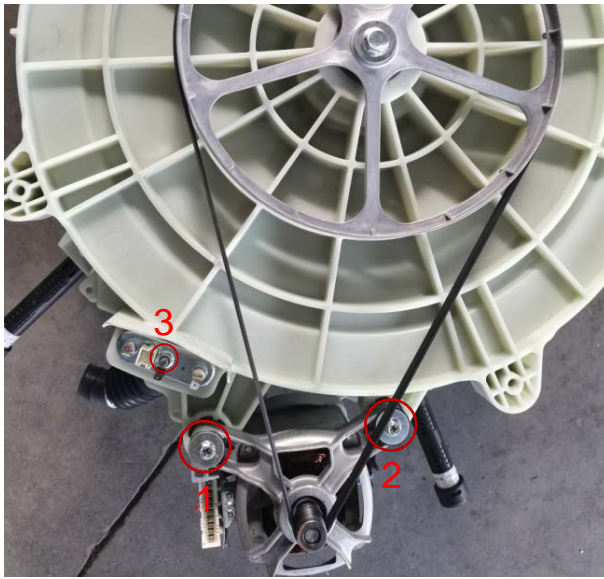
十字批

Cross screwdriver

pliers

拆除电机组件和发热管组件

Remove BLDC motor and heater



1、向外拉皮带并转动皮带轮，取出皮带  
Pull the belt outward and turn the pulley to take out the belt

2、用 10 号外六角套筒及电批把固定电机的两个螺钉 1、2 和橡胶套拆除  
Use no.10 outer hexagon sleeve and electric screwdriver to fix the two screws 1 and 2 of the motor, then remove rubber sleeve

3、双手把电机往上提，取出电机  
Lift the motor up with both hands and take out the motor

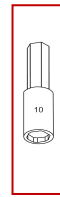
4、用 10 号外六角套筒及电批把固定发热管螺母 3 拆除后把发热管组件取出  
Remove the nut 3 of the fixed heating pipe with 10 outer hexagon sleeve and electric screwdriver, and then take out the heater

1、拿取电机时请勿提线，避免线断

Do not lift the wire when taking the motor to avoid wire breakage

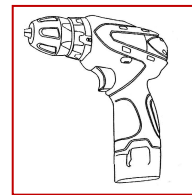
2、拆出的电机组件和发热管做好防护措施  
Take protective measures for removed motor and heater

### 使用工具 Using tools



10 号外六角套筒

No. 10 outer hexagon sleeve



电批  
Electric screwdriver