

Galanz 格兰仕

售后服务手册

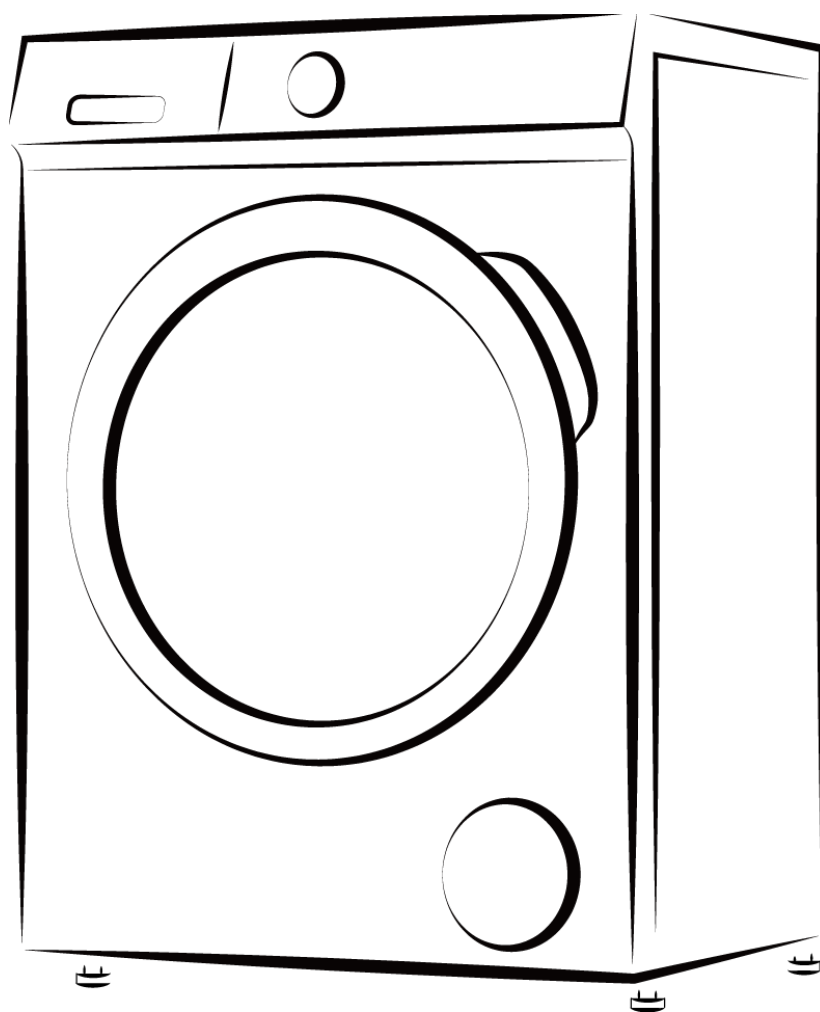
After-sales Service manual

自动滚筒洗衣机

Automatic Drum Washing Machine

XQG90-T514VE/XQG100-T514VE

XQG90-T614VE/XQG100-T614VE



中山格兰仕日用电器有限公司
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1.适用机型 Models Covered

机型 Model	XQG90-T514 VE	XQG90-T514 VE 新欧标 New European Standard	XQG90-T614 VE	XQG100-T514 VE	XQG100-T614 VE
品牌 Brand	Galanz				
标准 Standard	●	○	●	●	●
20℃	○	●	○	○	○
棉 <input type="checkbox"/> Cotton <input type="checkbox"/>	●	○	●	●	●
环保 40-60 Eco 40-60	○	●	○	○	○
节能洗 Eco Wash	●	○	●	●	●
强力洗 Intensive	○	●	○	○	○
除菌 Anti-Allergy	●	●	●	●	●
牛仔 Denim	●	●	●	●	●
大物洗 Bulky Item	●	●	●	●	●
环保筒清洁 Drum Clean	●	●	●	●	●
单脱水 Spin	●	●	●	●	●
漂洗/脱水 Rinse/Spin	●	○	●	●	●
漂洗+脱水 Rinse+Spin	○	●	○	○	○
静梦洗 Night Wash	●	●	●	●	●
快洗 Quick	●	●	●	●	●
混合 Mixed Fabrics	●	○	●	●	●
混合 Mixed	○	●	○	○	○

丝绸 Silk	●	●	●	●	●
羊毛 Wool	●	●	●	●	●
化纤 Synthetic	●	●	●	●	●

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	XQG90-T514 VE	XQG90-T514 VE 新欧标 New European Standard	XQG90-T614 VE	XQG100-T514 VE	XQG100-T614 VE
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	BLDC 电机+皮带 BLDC motor + belt				
脱水驱动方式 Spinning drive method	BLDC 电机+皮带 BLDC motor + belt				
水位检测方法 Water level detection method	水位开关 Water Level Switch				
皮带 Belt	5 ribs	5 ribs	5 ribs	6 ribs	6 ribs
桶尺寸 Inner drum size	300×φ506 mm	300×φ506 mm	300×φ506 mm	335×φ506 mm	335×φ506 mm

包装尺寸 (WxDxH) Pack dimension	650x570x860 mm	650x570x860 mm	660x620x860 mm	660x720x860 mm	660x720x860 mm
机器尺寸 (WxDxH) Machine dimension	595x545x845 mm	595x545x845 mm	595x570x845 mm	595x640x845 mm	595x665x845 mm
最高转速 Top speed	1400rpm				

2.3 程序洗涤规格 Program Washing Capacity

模型/平台 Model/ Platform	XQG90-T514 VE	XQG90-T514 VE 新欧标 New European Standard	XQG90-T614 VE	XQG100-T514 VE	XQG100-T614 VE
	洗涤容量 Washing capacity				
标准 Standard	9	○	9	10	10
20℃	○	9	○	○	○
棉 Cotton	9	○	9	10	10
环保 40-60 Eco 40-60	○	9	○	○	○
节能洗 Eco Wash	6.5	○	6.5	7	6.5
强力洗 Intensive	○	6.5	○	○	○
除菌 Anti-Allergy	5	5	5	6	5
牛仔 Denim	5	5	5	6	5
大物洗 Bulky Item	9	9	9	10	10
环保筒清洁 Drum Clean	0	0	0	0	0
单脱水 Spin	9	9	9	10	10
漂洗/脱水 Rinse/Spin	9	○	9	10	10

漂洗+脱水 Rinse+Spin	○	9	○	○	○
静梦洗 Night Wash	7	3	7	7.5	7
快洗 Quick	3	7	3	3.5	3
混合 Mixed Fabrics	5	○	5	6	5
混合 Mixed	○	4.5	○	○	○
丝绸 Silk	3.5	3.5	3.5	4	3.5
羊毛 Wool	3.5	3.5	3.5	4	3.5
化纤 Synthetic	4.5	5	4.5	5	4.5

注：○表示此机型没有此程序，数字表示此程序的洗涤容量。

Note: ○ means this machine does not have this program; the number means the washing capacity of the program.

2.4 主要部件规格 Main Components Specifications

模型 Model	XQG90-T5 14VE	XQG90-T5 14VE 新欧标 New European Standard	XQG90-T614VE	XQG100-T5 14VE	XQG100-T614VE
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	按键 Button				
水位开关 Water Level Switch	250V~, 16A				
洗涤脱水 电机 Washing motor	BLDC 电机, 洗涤 DC70V, 100W; 脱水 DC310V, 500W BLDC motor, washing DC70V, 100W; spinning DC310V, 500W				

发热管 Heating element	230V~,1900W				
温度传感器 Temperature sensor	电阻 R (25°C)=12kΩ Resistance R(25°C)=12kΩ				
选项开关 Options switch	旋钮 Knob				
门锁开关 Interlock switch	250V~, 16A	250V~, 16A	250V~, 电磁门锁 250V~, Electromagnetic lock	250V~, 16A	250V~, 电磁门锁 250V~, Electromagnetic lock
进水阀 Water valve	220V-240V, 50Hz/60Hz				

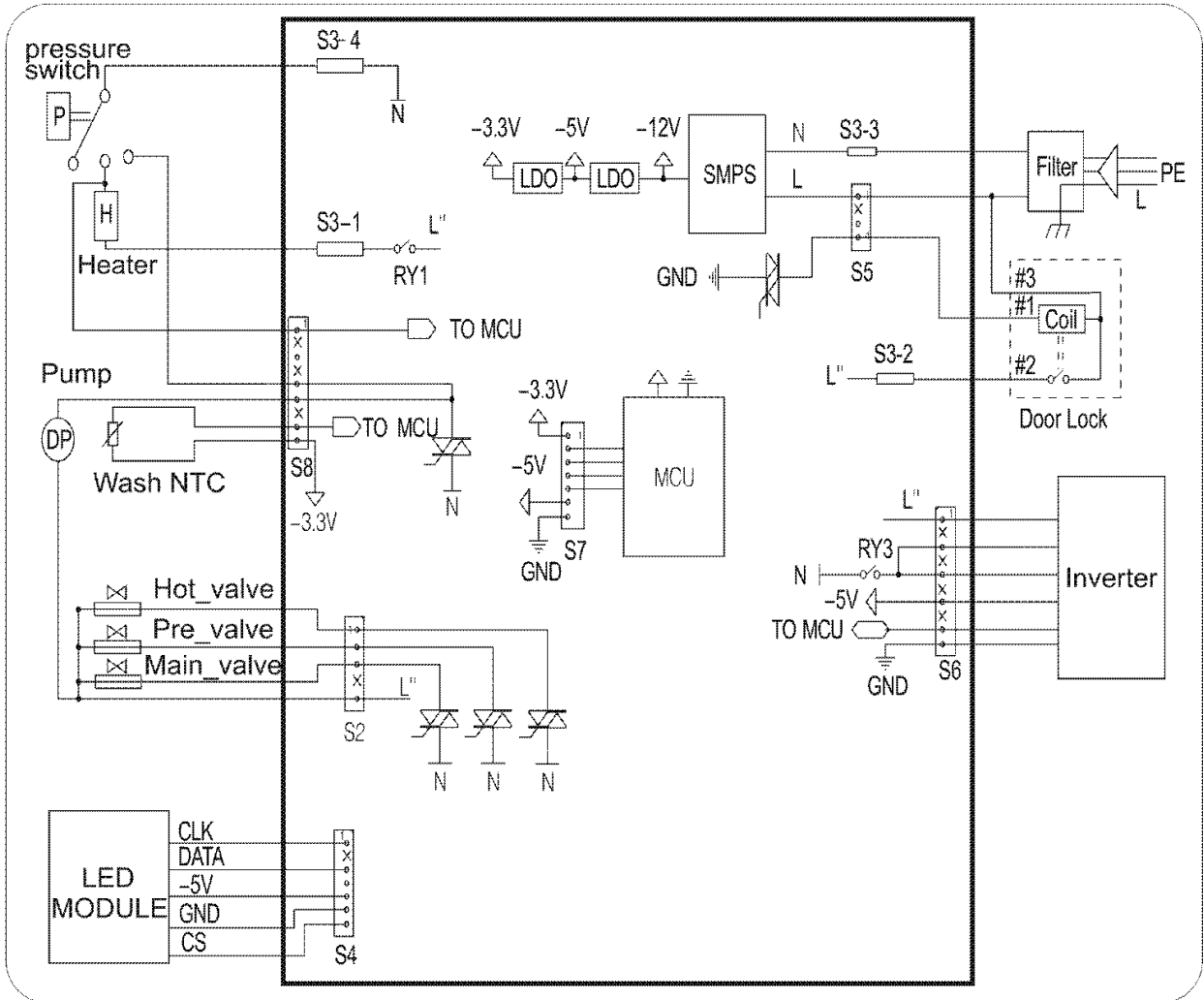


XQG90-T514VE/XQG90-T514VE(新欧标 New European Standard)/XQG100-T514VE

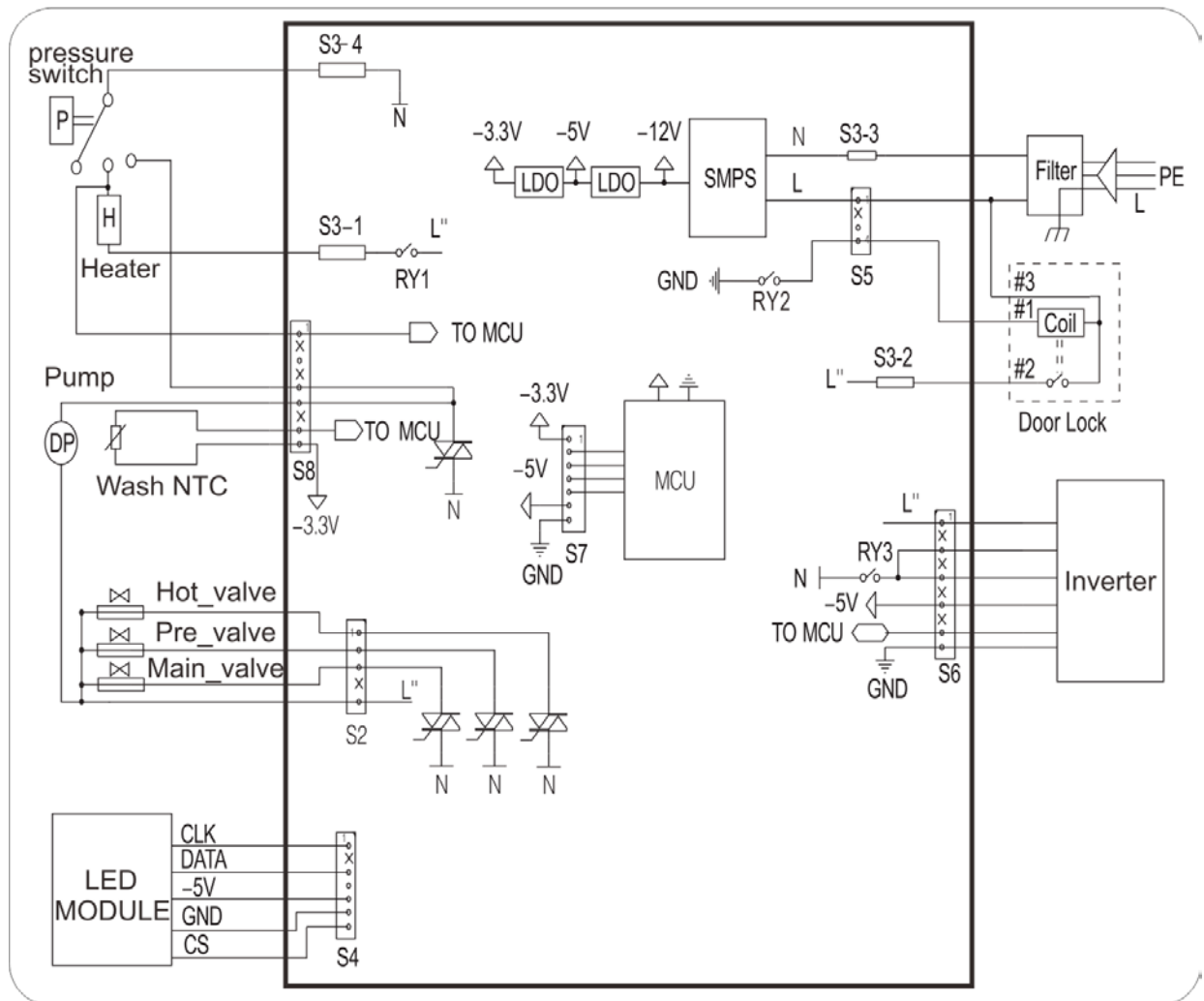


XQG90-T614VE/XQG100-T614VE

3. 电路图 Circuit Diagram



XQG90-T514VE/XQG90-T514VE(新欧标)/XQG100-T514VE



XQG90-T614VE/XQG100-T614VE

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

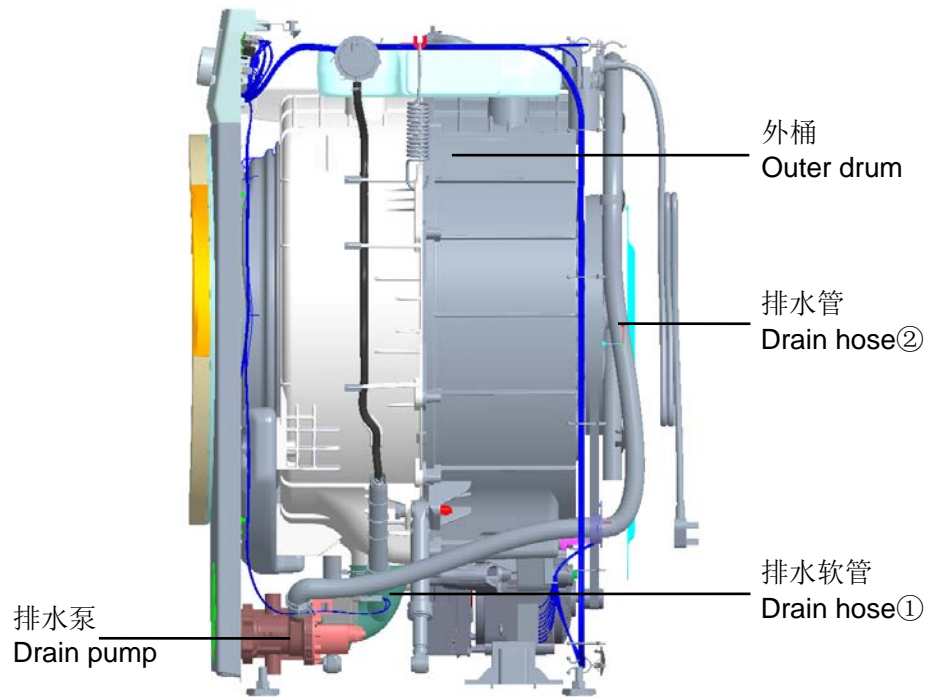
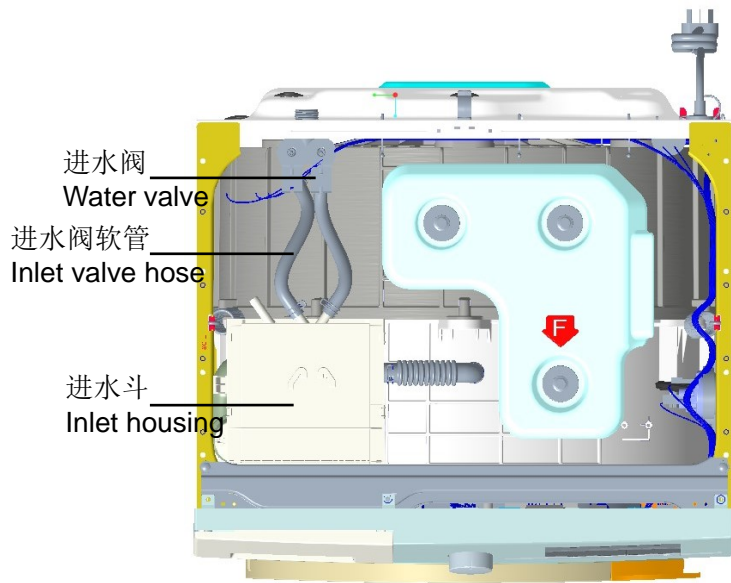
Water inflow: Inlet pipe—Water valve—Inlet valve hose—Inlet housing—Outer drum

排水：外桶—排水软管—排水泵—排水管

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

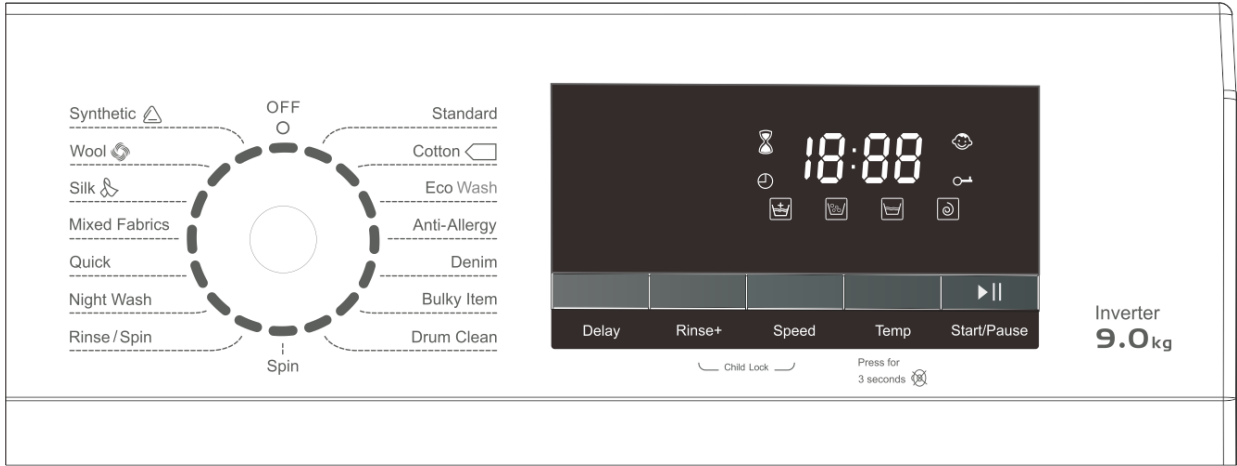
示意图如下：

Schematic diagram is as follows:

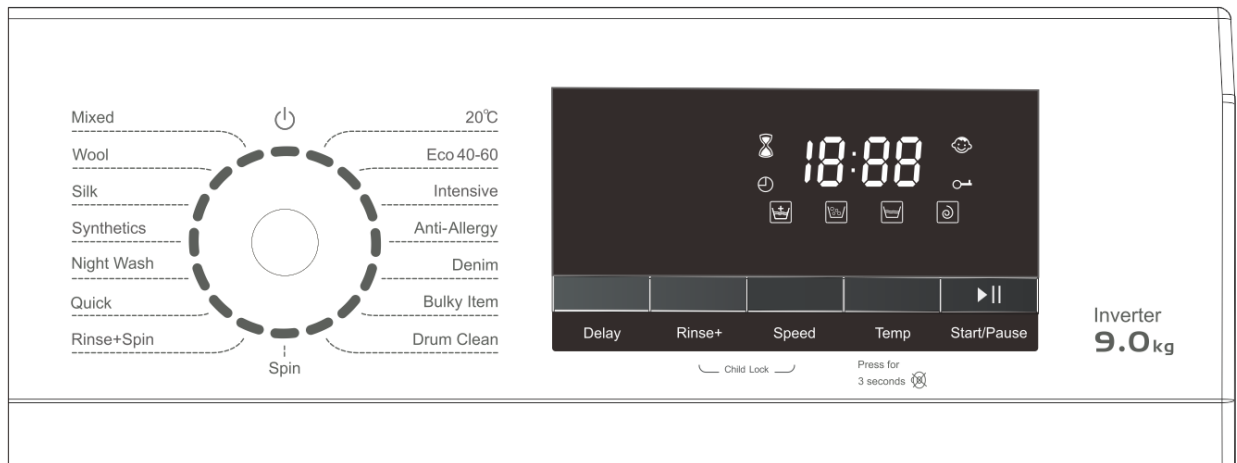


5.功能设置及显示 Function Settings and Display

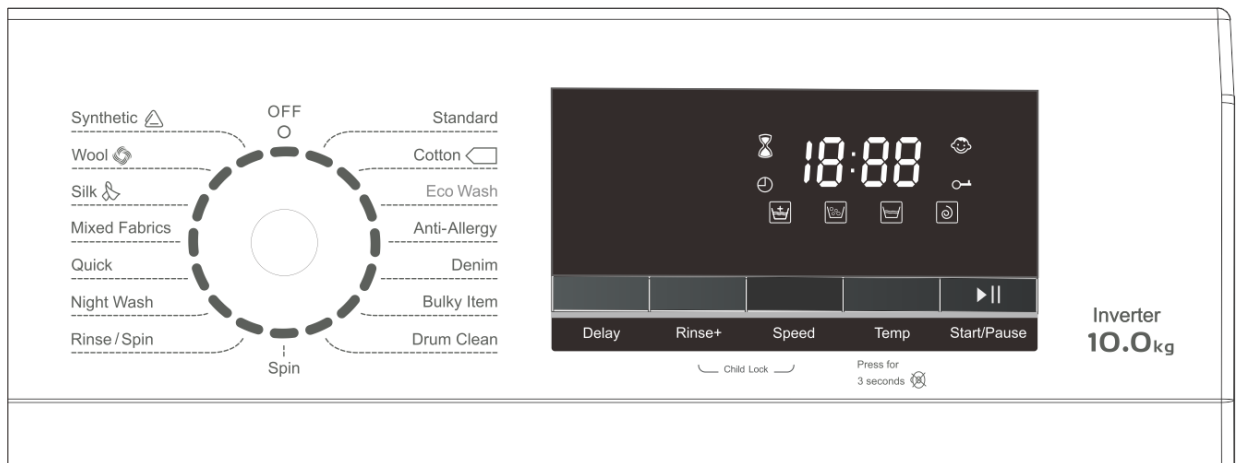
5.1 控制面板 Control Panel Figures



XQG90-T514VE/XQG90-T614VE



XQG90-T514VE(新欧标 New European Standard)



XQG100-T514VE/XQG100-T614VE

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	只插上电源, 无需任何按键操作, 所有显示器和负载均关闭 Just plug in the power, without any key operation, and all the displays and loads are off
3	待机 Standby	在待机状态下, 转动旋钮进入选择程序模式 In standby mode, turn the knob to enter the program setting mode
4	运行 Running	完成程序选择后, 按“启动/暂停”按键, 程序进入运行模式 The program setting ends, press the "Start/Pause" button, and the program enters the running mode
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 Start" key to select the appointment time, and press the Start button to enter the reservation 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		转速 Speed	
	XQG90-T5 14VE XQG90-T6 14VE XQG100-T5 14VE XQG100-T6 14VE	XQG90-T5 14VE 新欧标 New European Standard	XQG90-T5 14VE XQG90-T6 14VE XQG100-T5 14VE XQG100-T6 14VE	XQG90-T5 14VE 新欧标 New European Standard	XQG90-T5 14VE XQG90-T6 14VE XQG100-T5 14VE XQG100-T6 14VE	XQG90-T5 14VE 新欧标 New European Standard
标准 Standard	★	/	●	/	●	/
20℃	/	★	/	○	/	○

棉 Cotton	★	/	●	/	●	/
环保 40-60 Eco 40-60	/	★	/	○	/	○
节能洗 Eco Wash	★	/	○	/	●	/
强力洗 Intensive	/	★	/	●	/	○
除菌 Anti-Allergy	★	★	○	○	●	●
牛仔 Denim	★	★	●	●	●	●
大物洗 Bulky Item	★	★	●	●	●	●
环保筒清洁 Drum Clean	★	★	●	●	○	○
单脱水 Spin	★	★	○	○	●	●
漂洗/脱水 Rinse/Spin	★	/	○	/	●	/
漂洗+脱水 Rinse+Spin	/	★	/	○	/	●
静梦洗 Night Wash	★	★	●	●	●	●
快洗 Quick	★	★	○	○	●	●
混合 Mixed Fabrics	★	/	●	/	●	/
混合 Mixed	/	★	/	●	/	●
丝绸 Silk	★	★	●	●	●	●
羊毛 Wool	★	★	●	●	●	●
化纤 Synthetic	★	★	●	●	●	●

程序 Program	附加功能 Additional function				
	加漂洗 Rinse+				
	XQG90-T514 VE	XQG90-T514 VE 新欧标 New European Standard	XQG90-T614 VE	XQG100-T514 VE	XQG100-T614 VE
标准 Standard	•	/	•	•	•
20℃	/	○	/	/	/
棉 <input type="checkbox"/> Cotton <input type="checkbox"/>	•	/	•	•	•
环保 40-60 Eco 40-60	/	○	/	/	/
节能洗 Eco Wash	•	/	•	•	•
强力洗 Intensive	/	○	/	/	/
除菌 Anti-Allergy	•	•	•	•	•
牛仔 Denim	•	•	•	•	•
大物洗 Bulky Item	•	○	•	•	•
环保筒清洁 Drum Clean	○	○	○	○	○
单脱水 Spin	○	○	○	○	○
漂洗/脱水 Rinse/Spin	•	/	•	•	•
漂洗+脱水 Rinse+Spin	/	•	/	/	/
静梦洗 Night Wash	○	○	○	○	○
快洗 Quick	•	•	•	•	•
混合 Mixed Fabrics	•	/	•	•	•

混合 Mixed	/	○	/	/	/
丝绸 Silk	●	●	●	●	●
羊毛 Wool	●	●	●	●	●
化纤 Synthetic	●	○	●	●	●

程序 Program	附加功能 Additional function					
	预约 Delay		童锁 Child lock		静音 Mute	
	XQG90-T5 14VE XQG90-T6 14VE XQG100-T5 14VE XQG100-T6 14VE	XQG90-T5 14VE 新欧标 New European Standard	XQG90-T5 14VE XQG90-T6 14VE XQG100-T5 14VE XQG100-T6 14VE	XQG90-T5 14VE 新欧标 New European Standard	XQG90-T5 14VE XQG90-T6 14VE XQG100-T5 14VE XQG100-T6 14VE	XQG90-T5 14VE 新欧标 New European Standard
标准 Standard	●	/	●	/	●	/
20℃	/	●	/	●	/	●
棉 Cotton	●	/	●	/	●	/
环保 40-60 Eco 40-60	/	●	/	●	/	●
节能洗 Eco Wash	●	/	●	/	●	/
强力洗 Intensive	/	●	/	●	/	●
除菌 Anti-Allergy	●	●	●	●	●	●
牛仔 Denim	●	●	●	●	●	●
大物洗 Bulky Item	●	●	●	●	●	●
环保筒清洁 Drum Clean	●	●	●	●	●	●
单脱水 Spin	●	●	●	●	●	●

漂洗/脱水 Rinse/Spin	●	/	●	/	●	/
漂洗+脱水 Rinse+Spin	/	●	/	●	/	●
静梦洗 Night Wash	●	●	●	●	●	●
快洗 Quick	●	●	●	●	●	●
混合 Mixed Fabrics	●	/	●	/	●	/
混合 Mixed	/	●	/	●	/	●
丝绸 Silk	●	●	●	●	●	●
羊毛 Wool	●	●	●	●	●	●
化纤 Synthetic	●	●	●	●	●	●

注：★表示默认开启，○表示该功能不可选，●表示可选，/表示此机型没有此程序。

Note: ★ indicates that it is on by default; ○ indicates that the function is not optional; ● indicates that it is optional; / means that this model does not have this program.

5.2.3 按键/旋钮功能 Button/Knob function

按键/旋钮功能：启动/暂停，温度，转速，加漂洗，预约 5 个常用按键和程序 1 个旋钮

Button/Knob functions: Start/Pause, Temperature, Speed, Rinse+, Delay, There are 5 commonly used buttons and 1 program knob.

NO.	产品状态 Product state	按键/旋钮 Buttons/Knob	操作和显示 Operation and Display
1	关机 Off	启动/暂停 Start/Pause	按键无效并且显示关闭 The key is invalid and the display is off
		温度 Temp	
		转速 Speed	
		加漂洗 Rinse+	
		预约 Delay	
		旋钮（除“OFF”档） Knob (Except “OFF”)	选择运行程序 Select run program

2	待机 Standby	启动/暂停 Start/Pause	所选程序立即启动 The selected program starts immediately
		温度 Temp	选择洗涤温度 Select the wash temperature
		转速 Speed	选择脱水转速 Select the spin speed
		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
		旋钮 Knob	改变运行程序 Change the running program
3	运行 Running	启动/暂停 Start/Pause	暂停 Pause
		温度 Temp	显示设定温度 Display the set temperature
		转速 Speed	显示设定转速 Display the set temperature
		加漂洗 Rinse+	显示设定漂洗次数 Display set the number of rinsing times
		预约 Delay	无反应 No response
		旋钮 Knob	显示“Err” Display “Err” 旋至“OFF”档关机 Turn to “OFF” to shut down 童锁状态下，转动旋钮都显示“Err” In the child lock state, turning the knob will display "Err"
4	暂停 Pause	启动/暂停 Start/Pause	继续停止前的程序 Continue the procedure before stopping
		温度 Temp	加热开始前可改变洗涤温度 The washing temperature can be changed before heating
		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
		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
		旋钮（除“OFF”档） Knob (Except “OFF”)	改变运行程序 Change the running program
5	预约 Delay	启动/暂停 Start/Pause	预约启动或暂停 Delay start or pause
		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
		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
		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
		旋钮（除“OFF”档） Knob (Except “OFF”)	选择运行程序 Select the running program
6	报警 Alarm	启动/暂停 Start/Pause	复位或保持报警状态 Reset or keep alarm state
		旋钮（旋至“OFF”档） Knob (Except “OFF”)	关闭机器 Shut down the machine

5.3 特殊功能 Special Functions

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分钟后电源关闭。

When washing cycle is finished, the machine will change into standby mode. And the power will be off after 10 minutes without any control on the control panel.

5.3.2 平衡 Balance

洗衣机装有自动感应系统，在脱水时能自动检测衣物的平衡性，为了保护洗衣机不受损坏，在检测到衣物的平衡性差或偏心大时，洗衣机会通过适当延长脱水时间来调整衣物的平衡性，或脱水时洗衣机以较低的转速运行。

The washing machine is equipped with an automatic sensing system, which can automatically detect the balance of the clothes during dehydration. In order to protect the washing machine from damage, the washing machine will adjust the balance of the clothes by appropriately extending the dehydration time when the clothes are detected to have poor balance or large eccentricity. The washing machine

runs at a lower speed during dehydration.

5.3.3 温度 Temp

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 转速 Speed

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.

5.3.5 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.

5.3.6 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.

5.3.7 静音 Mute

静音功能可关闭所有提示音及报警音。

开启此功能：长按“温度”键 3 秒钟。

关闭此功能：再次长按“温度”键 3 秒钟。

The function of "Mute" is to close all the prompt tone and alert sounds.

How to start this function: Press the "Temp" button for 3 seconds.

How to cancel this function: Press the "Temp" button for 3 seconds again.

5.3.8 童锁 Child lock


为了防止洗衣机在洗衣过程中因儿童的误操作导致的不正常洗衣，可启动童锁功能：

- 1、同时按压“加漂洗”和“转速”按键 3 秒启动童锁功能，再次同时按压“加漂洗”和“转速”按键 3 秒即可取消童锁功能。当图标亮起时，童锁功能启动。此功能在洗涤周期中将一直执行。
- 2、当童锁功能工作时，除将程序旋钮旋至“OFF”位置关机外，所有按键将操作无效。

The function of "Child lock" is to lock the control panel to prevent the misuse by children.

1. Press the "Rinse+" and "Speed" buttons at the same time for 3 seconds to start the function; press

the "Rinse+" and "Speed" buttons again at the same time for 3 seconds to cancel this function.

When the icon “” is lighted up on the screen, the function works. This function can be selected during a washing cycle.

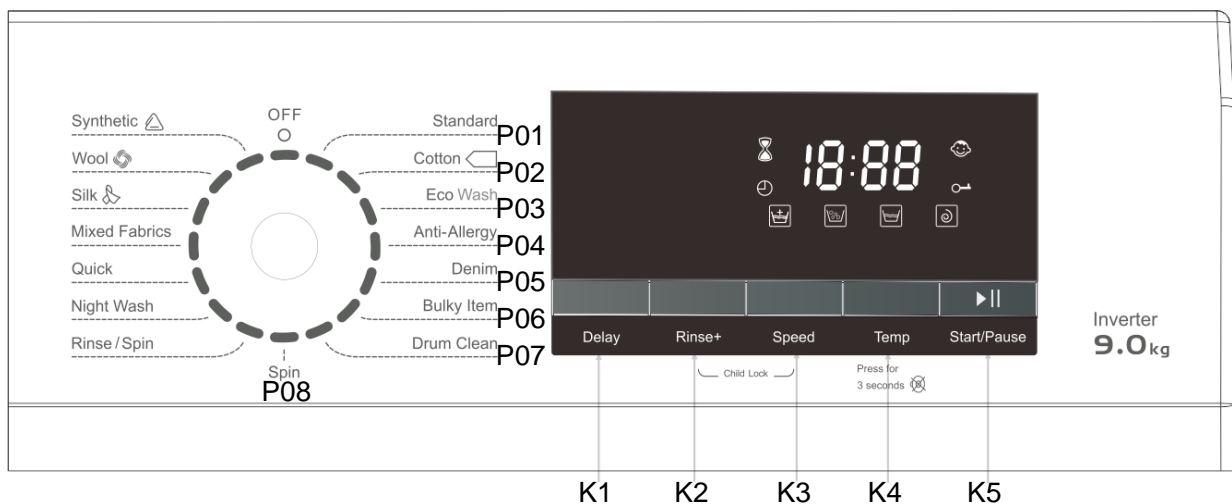
2. When this function works, all keys and knob are not available, except for the knob turn to the position "OFF".

6. 服务测试程序 Service Testing Procedures

6.1 按键注释 Key Notes:

以 XQG90-T514VE 为注释模型，各机型的检测模式按键注释位置是一样的。

Take XQG90-T514VE as the note model, the position of key notes for detection mode are the same for each mode.



K1 键: Delay; K2 键: Rinse+; K3 键: Speed; K4 键: Temp; K5 键: Start/Pause;

K1: Delay; K2: Rinse+; K3: Speed; K4: Temp; K5: Start/Pause;

6.2 检测模式 Detection Mode

将旋钮旋至 P01 位置，同时按 K1 及 K2 按键不放，然后插上电源进入检测模式，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；若旋动程序旋钮则执行手动检测模式。具体流程如下：

Turn the knob to position P01, press the K1 and K2 keys at the same time, and then plug in the power and enter detection mode, 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" key, the program will

execute the automatic detection mode; if you turn the program knob, 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
C04 热水阀测试 (P05 位置) C04 hot water valve test (P05 position)	注水设定时间 Water injection setting time 此功能预留 This function is reserved
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加 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 1 水位, 如未到必须先补水至洗涤 1 水位, 反转设定时间 Judge whether the water level is at the level of washing 1, if not, make up water to the level of washing 1, and 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：任何按键及旋钮均不响应，拔电源退出模式。

◆In the process of automatic detection mode: any key and knob do not respond, pull the power to exit the mode.

◆在检测模式中：

◆In the test mode:

⇒以上测试旋钮位置可任意旋动，对应测试立即有效；

The above test knob position can be rotated freely, and the corresponding test is effective immediately;

⇒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，若旋钮不在以上测试位置，则无任何响应。

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

◆拔电源退出此模式。

◆Unplug the power and 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； 1. Alarm when	1、水龙头未打开或水流太慢 1. The water	1、检查水龙头是否开启及水流大小 1.Open the water	暂停 Pause	启动 暂停 键复位

		the set water level is not reached within the set time;	tap is not open	tap	Start stop key reset
			2、排水管未挂起 2. The drain hose is put down	2、挂起排水管 2.Hook up the hose	
			3、水位开关或空气管漏气 3. Leakage of water level sensor or hose air	3、检查水位开关和空气管装配,或更换 3. Check the assembly of water level sensor and hose air, or change it	
			4、水位开关端子未插好或线束故障 4.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 4. Check the connection and ensure it is secure or change wire	
			5、进水阀损坏 5. The water valve is damaged	5、更换进水阀 5. Change the water valve	
			6、电脑板故障(进水阀可控硅开路) 6. The PCB is damaged (thyristor of water valve is open)	6、更换电脑板 6. Change the PCB	
					关闭电源 Turn off the power

E02 或 or Do	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 1.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 2.Door lock open detected in operation	1、门未关好 1. The door is not locked well	1、检查门是否关好 1. Lock the door well	暂停 Pause	启动 暂停 键复位 Start stop key reset
			2、门锁故障 2. Door lock is damaged	2、更换门锁 2. 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 3.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 3.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) 4. The PCB is damaged (door lock relay failure or thyristor failure)	4、更换电脑板 4. 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 1. The drain pump filter is block	1、清除泵过滤器脏物 1. 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 2. The drainage system pipes are blocked	2、疏通排水管脏堵 2. Check the drainage system and clean it		key reset
			3、排水泵故障 3. The drain pump is damaged	3、更换排水泵 3. 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 4. 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 4. 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开关端子短路) 5. The PCB is damaged (water pump SCR breakdown or water level sensor terminal short circuit)	5、更换电脑板 5. Change the PCB		

E04	溢水报警 Water overflows the machine	筒内水位超高（水位开关检测到溢水水位） The water level in the cylinder is too high (the water level sensor detects the overflow water level)	1、进水阀故障 1.The water valve is damaged	1、更换进水阀 1. 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； 1.Close the door lock, close all loads, drain to the empty cylinder water level for setting time	关闭电源 Turn off the power
			2、水位开关或线束故障（溢水水位短路） 2. The water level sensor or wire is damaged (overflow water level short circuit)	2、检查水位开关及线束 2. Check the water level sensor and wire	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 2. Close the drain pump to maintain the water level detection; when the overflow level is detected again, repeat the above process.	
			3、电脑板故障（进水阀可控硅短路） 3. The PCB is damaged (thyristor short circuit of water valve)	3、更换电脑板 3. Change the PCB		

E05	洗涤电机故障 The motor does not work	1、电机无转速反馈 1.No speed feedback of motor	1、电机线束端子松动或线束故障 1. 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 1. 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 2.The temperature rise of motor is too high		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 2. Check if the machine is overloaded. Switch off the machine, and retry when the motor becomes cool		
		3、电机可控硅短路 3.Motor thyristor short circuit	2、电机温升过高热保护动作 2. The motor is protected because of over-heat	3、更换电机 3. Change the motor		
		4、电机短路且变频板请求切断自己的供电 4.The motor is short circuited and the inverter board requests to cut off its own power supply	3、电机本身故障 3. The motor is damaged			
		5、失相 5.Phase loss				
		6、散热片过温 6.Over temperature of heat sink	4、电脑板故障 4. The PCB is damaged	4、更换电脑板 4. Change the PCB		
		7、停机异常 7.Abnormal shutdown				

			<p>5、UVW 短路; 电机线圈绝缘损坏</p> <p>5. UVW short circuit; motor coil insulation damage</p>	<p>5、检查线束端子插接是否短路或更换电机</p> <p>5. Check the connection and ensure wire is not short circuit or change the motor</p>		
			<p>6、UVW 接线脱落</p> <p>6. UVW wire off</p>	<p>6、检查线束端子插接是否牢固或更换线束</p> <p>6. Check the connection and ensure it is secure or change wire</p>		
			<p>7、散热不良</p> <p>7. Poor heat dissipation</p>	<p>7、等待降温</p> <p>7. Wait to cool down</p>		
		<p>8、变频器复位超时</p> <p>8. Frequency conversion board reset timeout</p>	<p>8、变频器受干扰</p> <p>8. The inverter board disturbed</p>	<p>8、等待干扰消失, 断电再上电</p> <p>8. Wait for the interference to disappear, power off and then power on</p>		
		<p>9、变频器看门狗电路故障</p> <p>9. Watchdog circuit is damaged</p>				
		<p>10、IGBT 内置 NTC 失效</p> <p>10. Failure of IGBT built-in NTC</p>	<p>9、变频器故障</p> <p>9. The inverter board is damaged</p>	<p>9、更换变频器</p> <p>9. Change the inverter board</p>		
		<p>11、变频器清除电机短路标志位超时</p> <p>11. Frequency conversion board clearing motor</p>				

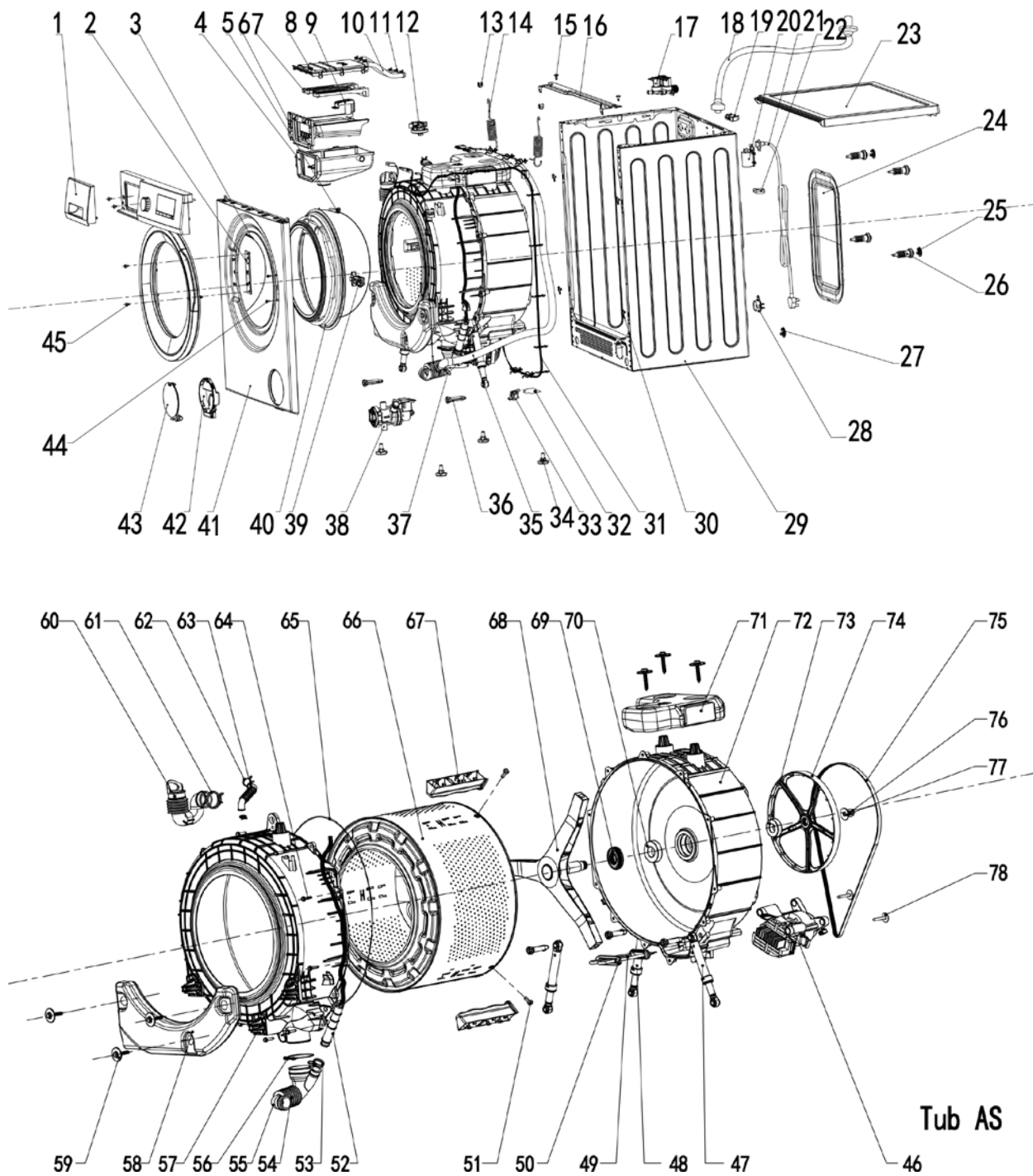
		short circuit flag bit timeout				
E06	水发热管故障 There is a heating tube fault	1、加热超时（连续加热设定时间，检测温度 NTC 数值变化小于 2） 1.Heating timeout (continuous heating for setting time, the change of NTC value of detection temperature is less than 2)	1、发热管线束端子松动或线束故障 1.The connection between the heating tube and wire is not secure or wire is damaged	1、检查线束端子插接是否牢固或更换线束 1. 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 90℃但没有报 E7 错误 2.Water heating temperature sensor exceeds 90 °C, but E7 error is not reported	2、发热管故障 2. The heating tube is damaged	2、更换发热管 2. Change the heating tube		
		3、电脑板故障 3. The PCB is damaged	3、更换电脑板 3.Change the PCB			

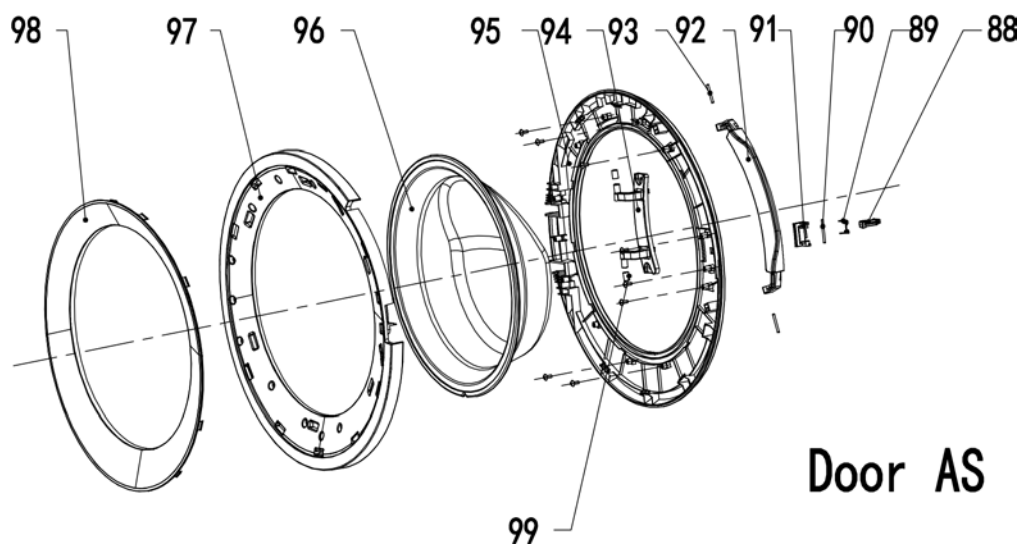
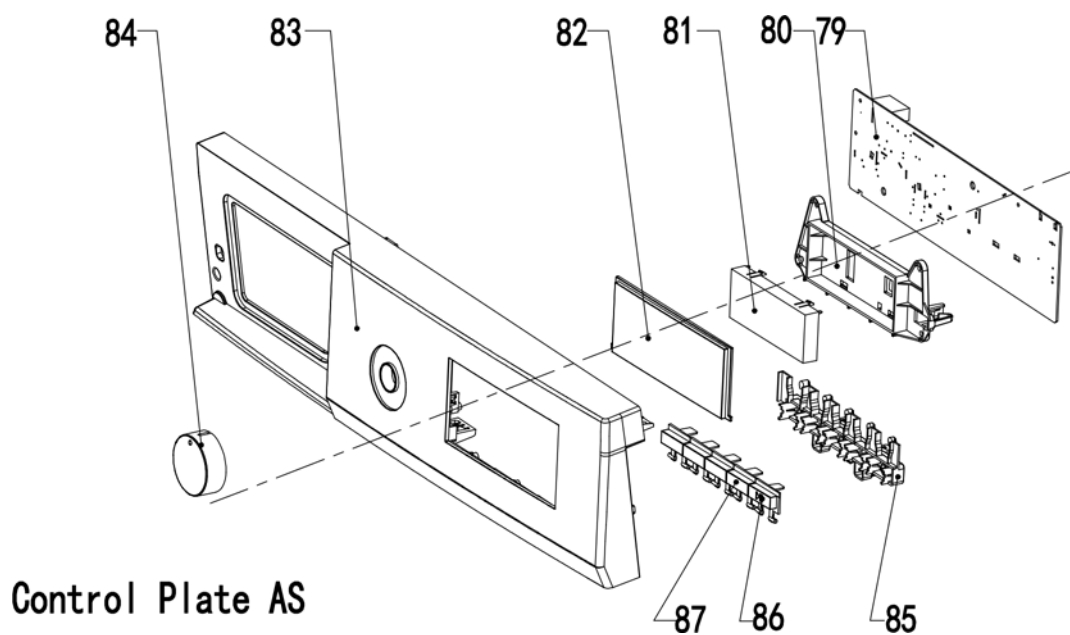
E07	水加热温度传感器故障 There is a temperature sensor fault	水加热温度传感器电压值范围异常（短路或断路） Abnormal voltage range of water heating temperature sensor (short circuit or open circuit)	1、水加热温度传感器线束端子松动或线束故障 1. The connection between the wire and temperature sensor is not secure or wire is damaged	1、检查线束端子插接是否牢固或更换线束 1. 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 2. The temperature sensor is damaged	2、更换温度传感器 2. Change the temperature sensor		
			3、电脑板故障 3. The PCB is damaged	3、更换电脑板 3. Change the PCB		
E09	通讯故障 Inverter fails to start	1、设定时间无应答 1.No response for setting time 2、设定次数应答错误 2.Answer error for setting times	1、接线端子未插好或线束故障 1. The connection between the wire and inverter 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 1. 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 for setting time after draining to the safe water level	关闭电源 Turn off the power
			2、电脑板或变频板故障 2. The PCB or inverter is damaged	2、更换电脑板或变频板 2. Change the PCB or the inverter board		

8.爆炸图 Exploded View

以 XQG90-T514VE 为模型，不同机型差异较大的组件会将爆炸图列出

Taking XQG90-T514VE as the model, the components that differ greatly between models will be listed in the exploded view.





零部件清单 Parts and components break-down:

XQG90-T514VE:

No.	Code	Name	Name	Quantity
1	XT5QG90.6.1-2(978)	Drawer	拉盖	1
2	XT5QG90.5-6(584)	Hinge Support Plate	门铰加强板	1
3	XT5QG90.7-10(584)	Outer Gasket Clamp	外铁线	1
4	XT5QG90.6.2-1(584)	Inlet Housing	进水斗	1
5	XT5QG90.7-11(584)	Inner Gasket Clamp	内铁线	1
6	XT5QG90.6.1-1(584)	Detergent Dispenser	洗衣粉盒	1

7	XT5QG90.6.2-2(584)	Divider	分流盒	1
8	XT5QG90.6.2-3(584)	Divider Cover	分流盒盖	1
9	XA2QG60.6.1-2(167)	Softener Cap	柔顺剂盖	1
10	XT5QG90.6-1(584)	Inlet Valve Hose	进水阀软管	2
11	XBJ01-26	Hose Clamp 14	管夹 14	4
12	XDQ10-05	Pressure Switch	水位开关	1
13	X1QG60.1-8	Suspension Spring Stopper	拉簧塑料座	2
14	XT5QG90.1-3(584)	Suspension Spring	外桶拉簧	2
15	XLD03-03	Screw	卡盖螺钉	2
16	XT5QG90.1-1(584)	Upper Frame	前上加强板	1
17	XDQ02-01	Inlet Valve	进水阀	1
18	XSL03-04	Inlet Hose AS	进水管组件	1
19	XA1QG72D.12-7	Plastic Pipe Clamp	塑料管夹	1
20	XA2QG60.8-2(167)	Filter	过滤器	1
21	XDQ05-120	Power Cord	电源线	1
22	XSL07-01	Hose Clamp 24	管夹 24	1
23	XT5QG90.2(584)	Top Cover	顶盖	1
24	XT5QG90.1-2(584)	Back Cover	后盖板	1
25	XT5QG90.9-6(584)	Hole Cap	孔盖 22	4
26	XT5QG90.9.1(584)	Transport Bolt & Plastic Piece AS	运输螺钉和塑料柱组合件	4
27	XT5QG90.1-4(584)	Hole Cap	孔盖 25	1
28	XA1QG72D.1-5	Drain Hose Frame	排水管座	1
29	XT5QG90.1.1.1(584)	Cabinet	箱体铆接组件	1
30	XT5QG90.1.1-1(584)	Front Panel Fixture	前盖板固定块	4
31	XT9QG90V.8-2(922)	Harness As	线束	1
32	XM2QG30.1.2-4(845)	Water retaining sheet	挡水片	1
33	XS8QG80DV.8-2(880)	Reactor	电抗器	1
34	XA2QG60.1.2(167)	Adjustable Foot AS	底脚组件	4
35	XA1QG72D.9.2-4	Drain Hose	排水管	1
36	XA2QG60.7-13(167)	Absorber Pin	减震器销	6
37	XBJ01-07	Hose Clamp 27	管夹 27	1
38	XDQ20-13	Pump AS	排水泵	1
39	XA4QG70.5-5(245)	Door Lock	门锁	1
40	XT5QG90.7-7(663)	Gasket AS	门密封圈_灰色	1
41	XT5QG90.5-5(584)	Front Panel	前盖板	1
42	XT5QG90.5.2-2(584)	Pump Housing	水泵盒	1
43	XT5QG90.5.2-1(978)	Pump Cover	水泵挡板	1
44	SJ2824-87 ST4x16FT	Screw	ST4×16 螺钉	2
45	GB/T6563-86	As of Screw	三角自攻螺钉	2
46	XDQ04-59	BLDC Motor	BLDC 电机	1
47	XT5QG90.7-15(584)	Absorber	阻尼减震器	1
48	XT5QG90.7-9(584)	Absorber	阻尼减震器	2

49	XA7QG60.8-2(263)	Heater	发热管	1
50	XT5QG90.7.3-2(584)	Heater Support	发热管支架	1
51	XLD03-10	Countersunk Head Screw	内六角花形沉头螺钉	3
52	XT5QG90.7.4(584)	Air Chamber AS	气囊组件	1
53	XBJ01-07	Hose Clamp 27	管夹 27	1
54	XBJ01-03	Hose Clamp 36	管夹 36	1
55	XT5QG90.7-4(584)	Drain Hose	排水软管	1
56	XBJ01-09	Hose Clamp 70	管夹 70	1
57	XT5QG90.7.2-1(584)	Front Tub	外桶前盖	1
58	XT5QG90.7-8(584)	Lower Balancer	下配重块	1
59	XLD03-23	Balancer Wood Screw	配重块木螺钉组件	6
60	XT5QG90.7-3(584)	Inlet Hose	进水软管	1
61	XBJ01-16	Hose Clamp 43	管夹 43	1
62	XBJ01-15	Hose Clamp 20	管夹 20	2
63	XZT89QG100V.7-17(592)	Exhaust Hose	排气软管	1
64	GB/T16824.2-1997	Self-Tapping Screw	六角法兰面自攻螺钉	12
65	XT5QG90.7-14(584)	Tub Seal	外桶密封圈	1
66	XT5QG90.7.1.1(663)	Drum AS	内桶铆接组件	1
67	XT89QG100DV.7.1-1(851)	Lifter	内桶提升筋	3
68	XT5QG90.7.1.2(663)	Spider AS	内桶支架组件	1
69	XT5QG90.7.3-1(584)	Shaft Seal	主轴密封圈	1
70	6206-2RZ/C3	Bearing 6206	轴承 6206	1
71	XT5QG90.7-1(584)	Upper Balancer	上配重块	1
72	XT5QG90.7.3.1(584)	Rear Tub and Bearing Housing AS	外桶后盖及轴承座组件	1
73	6205-2RZ/C3	Bearing 6205	轴承 6205	1
74	XT5QG90.7-6(584)	Pulley	皮带轮	1
75	XA1QG72D.7-2	Belt	皮带	1
76	GB/T 5789-1986 M10x25	Hexangular Bolt	六角法兰面螺栓	1
77	GB/T5287 10	Washer	垫圈	1
78	XLD03-15	Motor Bolt As	电机螺钉组件	2
79	XT5QG90VE.3-8(934)	PCB	电脑板	1
80	XT5QG90.3-6(584)	Display Support	显示屏固定架	1
81	XT5QG90VE.3-7(934)	Display	显示屏	1
82	XT5QG90.3-5(584)	Display Panel	数显视窗	1
83	XT5QG90.3-1(978)	Control Panel	控制面板	1
84	XQ7QG70DE.3.1-1(964)	Select Knob	调节旋钮	1
85	XT5QG90.3-4(584)	Button Support	按键固定架	1
86	XT5QG90.3-2(584)	Button 1	按键 1	1
87	XT5QG90.3-3(584)	Button 2	按键 2	4

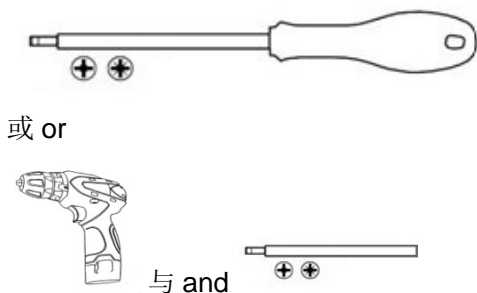
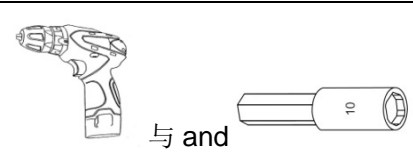
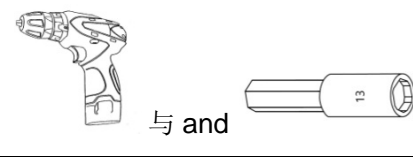

88	XT5QG90.5-4(584)	Door Hook	门扣	1
89	XA4QG70E.5-9(062)	Handle Spring	门拉手扭簧	1
90	XA4QG70E.5-10(062)	Handle Pin	门拉手轴	1
91	XD7QG70V.5-5(518)	Door Hook Support	门扣定位架	1
92	XT5QG90.5-1(978)	Door Handle	门拉手	1
93	XT5QG90.5-8(584)	Handle Pin	门拉手轴	2
94	XT5QG90.5.1-1(584)	Door Hinge	门铰	1
95	XT5QG90.5-2(584)	Door Inner Frame	门内座	1
96	XT5QG90.5-3(584)	Door Glass	玻璃窗	1
97	XT5QG90.5-9(978)	Door Outer Frame	门外座	1
98	XT5QG90.5-10(978)	Door Outer Frame Ornament	门装饰圈	1
99	XT5QG90.5.1-2(584)	Hinge Cap	门铰套	2





注：NO.69/70/72/73 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: if any part in NO.69/70/72/73 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	 <p>或 or 与 and</p>
2	电批与 10 号外六角套筒 Electric screwdriver and 10 outer hexagon sleeve	 <p>与 and</p>
3	电批与 13 号外六角套筒 Electric screwdriver and 13 outer hexagon sleeve	 <p>与 and</p>
4	10 号扳手 10 wrench	

5	剪钳或剪刀 Diagonal cutters or Scissors	 或 or
6	平口钳 Combination pliers	
7	防静电手套 Antistatic gloves	
8	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.

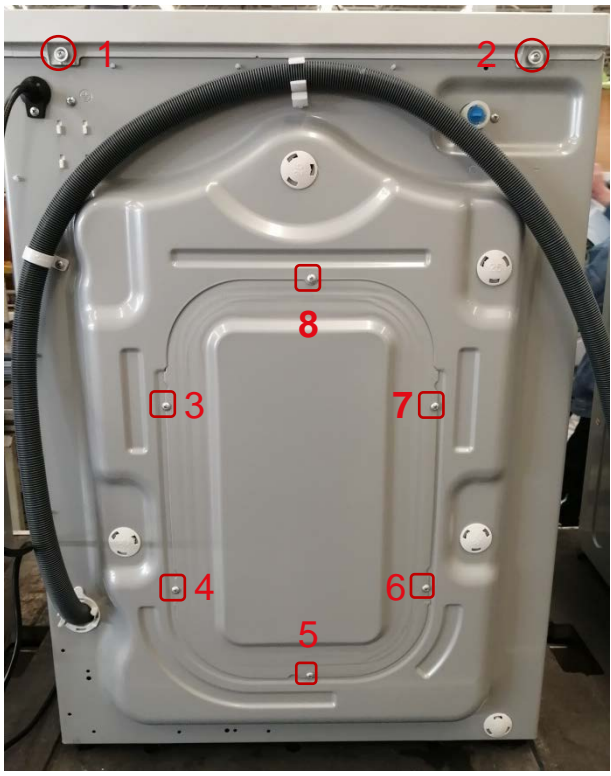
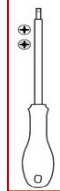
2. When assembling all parts, please assemble them according to the original condition.

9.2 拆卸步骤 Disassembly Procedure

以 XQG90-T514VE 为拆卸模型

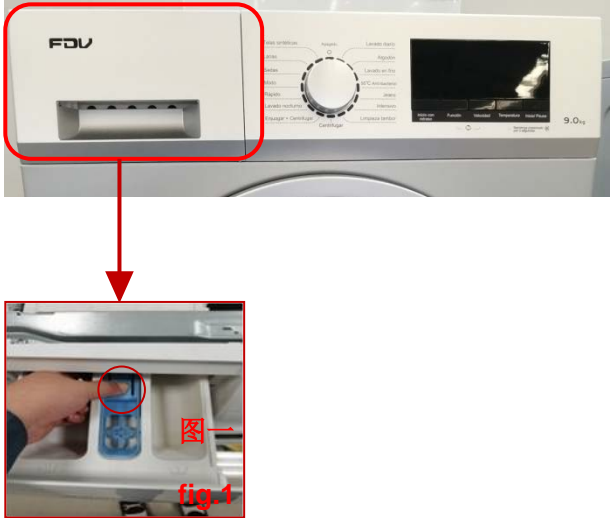
Take XQG90-T514VE as the disassembly model

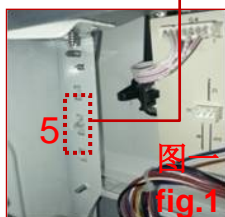
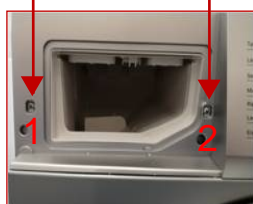
拆卸工序 Disassembly procedure	简要说明 Brief description	注意事项 Matters needing attention
拆除顶盖板和后盖板 Remove top cover as and back cover		

	<p>1、用十字批拆除固定顶盖板螺钉 <u>1、2</u></p> <p>2、用手把顶盖板往后推，取出顶盖板</p> <p>3、用十字批拆除后盖板六个螺钉 <u>3、4、5、6、7、8</u></p> <p>1. Remove the screws 1 and 2 fixing the top cover plate with a cross screwdriver</p> <p>2. Push back the top cover by hand and take out the top cover</p> <p>3. Remove six screws 3, 4, 5, 6, 7 and 8 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</p> <p>1. The top cover as and back cover removed shall be protected against scratching</p> <div style="border: 1px solid red; padding: 5px; margin-top: 10px;"> <p style="text-align: center; color: red;">使用工具 using tools</p>  <p style="text-align: center;">十字批 cross screwdriver</p> </div>
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拆除面板组件

Remove control panel as

	<p>1、拉出拉盖，用手按压图一位置同时抽出拉盖</p> <p>1. 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</p> <p>1. The drawer pulled out shall be protected against scratching</p>
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2.用十字批拆除左图中螺钉 1、2、3、4

3. 拆面板组件时先掰图一标示的扣位 5 同时将面板组件向外翻转约 90 度

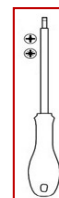
2. Use a cross screwdriver to exit the screws 1,2,3 and 4 circled in fig.2

3. When removing the panel assembly, first press the buckle 5 as shown in fig.1, and turn the panel assembly outward about 90 degrees

1、在拆除图一位置时注意避免掰断扣位 5

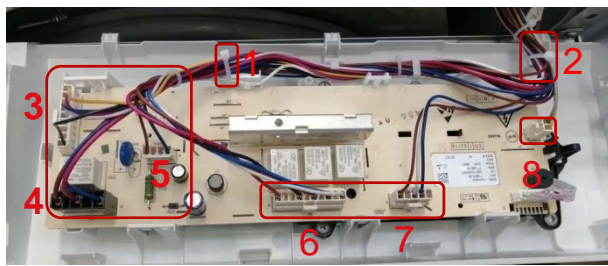
1.Pay attention to the marked buckle 5 position when removing the position in fig.1 to avoid breaking the buckle

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
 5、拔出电脑板上的接线端子 3、4、5、6、7、8 并整理线束
 6、取出面板组件后做好防静电和防刮花保护

4. Use diagonal cutters to cut out two sections of tie 1 and 2 as shown in the figure
 5. Pull out terminals 3, 4, 5, 6, 7 and 8 on the PCB, arrange wiring harness
 6. 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
 2、注意拔出接线端子时请戴防静电手套
 3、装机时需另外补充两条扎带

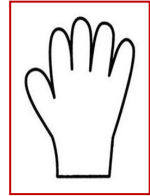
1. When using the diagonal cutters, be careful not to cut the thread
 2. Please wear antistatic gloves when pulling out the terminal
 3. Two additional ties should be added during installation

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

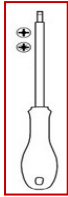

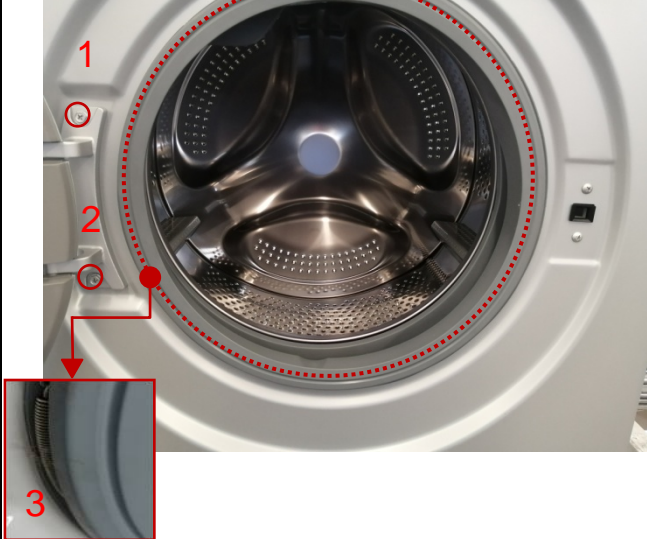
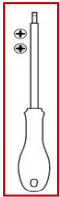


1、用十字批拆去图中所示的六个螺钉 1、2、3、4、5、6, 取出前上加强板
 2、取出前上加强板时注意刮手

1. Remove the six screws 1, 2, 3, 4, 5 and 6 shown in the figure with a cross screwdriver, and

1、前上加强板锋利, 取出时建议戴防护手套进行操作

1. The upper frame is sharp. It is recommended to wear gloves when taking it out

	<p>take out the upper frame</p> <p>2. Pay attention to the scraping hand when taking out the upper frame</p>	<p>使用工具 using tools</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>十字批 cross screwdriver</p> </div> <div style="text-align: center;">  <p>防护手套 gloves</p> </div> </div>
<p>拆除门组件 Remove door</p>		
	<p>1、打开门组件用十字批拆除螺钉 <u>1、2</u></p> <p>2、把门组件抬起同时取出门组件，做好防护</p> <p>3、用手拉伸门封 <u>3</u>，取出外铁线，整理密封圈到前盖板内</p> <p>1. Open the door and use the cross screwdriver to exit screws 1 and 2</p> <p>2. Lift the door then take out the door</p> <p>3. Stretch the door seal 3 by hand, take out the outer gasket clamp, and arrange the outer gasket clamp into the front panel</p>	<p>1、拆出的门组件做好防刮花保护</p> <p>2、拆除螺钉时注意前盖板不要刮花</p> <p>1. The removed door shall be protected against scratch</p> <p>2. When removing the screw, pay attention to the front panel not to scratch</p> <p>使用工具 using tools</p> <div style="text-align: center;">  <p>十字批 cross screwdriver</p> </div>
<p>拆除前盖板组件和门锁组件 Remove front panel and door lock</p>		



1、用十字批拆除左图的七个螺钉 1、2、3、4、5、6、7

2、取出前盖板后，取出门锁并把门锁端子拔出，做好防护

1. Use the cross screwdriver to exit the seven screws 1, 2, 3, 4, 5 and 6 in the left figure

2. After removing the front panel, take out the door lock and pull out the door lock terminal and protect it.

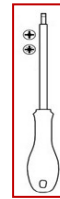
1、拆除螺钉时注意前盖板不要刮花

2、拆出的门锁和挡水片注意做好防护措施

1. Don't scratch the front panel when removing the screw

2. Pay attention to protective measures for the door locks and water retaining piece

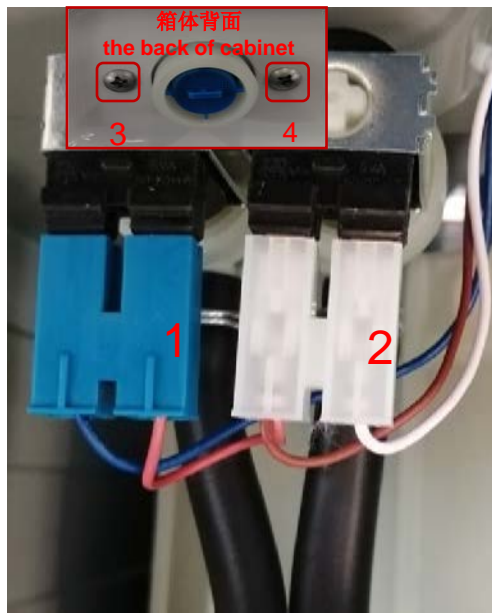
使用工具
using tools



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
 2、用十字批拆除背面两个螺钉 3、4，取出进水阀组件

1. Pull out the two terminals 1 and 2 of the water valve
 2. Remove the two screws 3 and 4 on the back of cabinet with a cross screwdriver, and take out the water valve

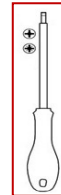
1、注意原机器上的进水阀接线端子 1、2 的顺序，重装时不要接反

2、注意拆 3、4 位置的螺钉时不要刮花箱体

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

2. pay attention to the screw removal position 3, 4 do not scratch the cabinet

使用工具
using tools

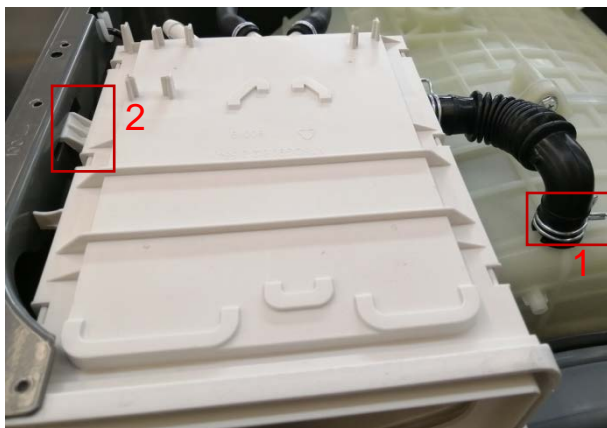


十字批

cross

screwdriver

拆除进水斗组件
Remove inlet housing



- 1、用平口钳把排气软管管夹1夹紧并拔出
- 2、从扣位2中取出进水斗组件
- 3、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）
- 4、握住进水软管，用力往下拉（见左图二）
- 5、拆出的进水阀、进水斗组件取出并做好防护

1. Clamp and pull out exhaust hose clip 1 with combination pliers
2. Take the inlet housing out of the buckle 2
3. 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)
4. Hold the inlet hose and pull down hard (see fig.2 on the left).
5. Take out and protect water valve and inlet housing

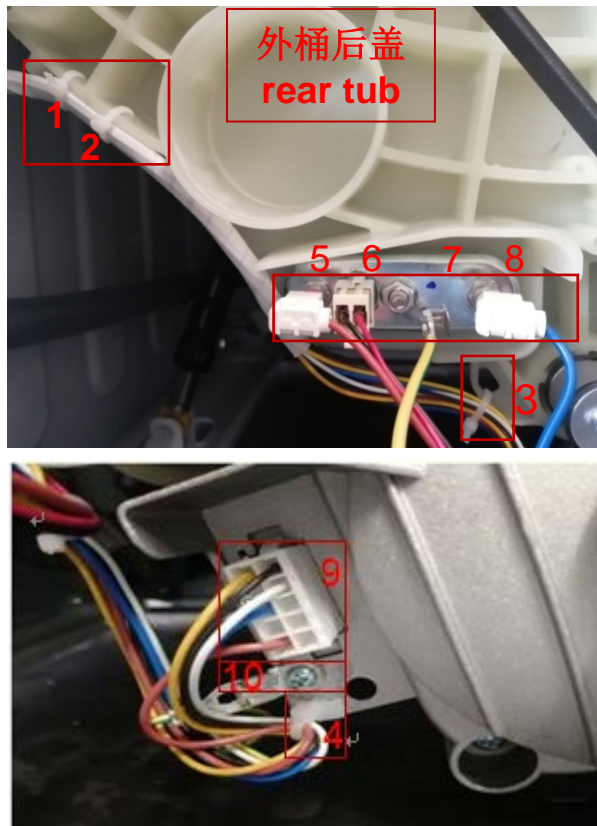
使用工具
using tools



平口钳
combination
pliers

拆除发热管和电机线组

Remove the harness of heater and motor



- 1、用剪钳剪去左图中四段扎带 1、2、3、4
- 2、拔出外桶后盖上的发热管和电机线组 5、6、7、8、9、10

1. Use diagonal cutters to cut out the four segments of tie 1, 2, 3 and 4 in the left figure
2. Pull out the heater and motor wire group 5, 6, 7, 8, 9 and 10 on the back cover of the rear tub

- 1、使用剪钳时注意不要剪断线组

- 2、拔出接线端子时注意端子不要扯断线

1. When using the diagonal cutters, be careful not to cut the thread
2. Pay attention not to break the wire when pulling out the terminal

使用工具 using tools

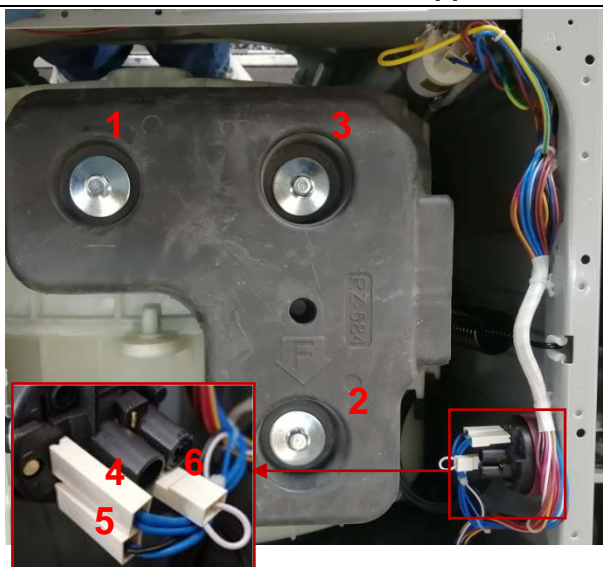


剪钳

diagonal
cutters

拆除上配重块和水位传感器

Remove upper balancer and water level switch




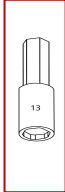
- 1、用 13 号外六角套筒配合电批拆除左图上配重块螺钉 1、2、3

- 2、拆出的配重块要轻拿轻放，避免损坏
- 3、拔出水位开关接线端子 4、5、6，把水位开关旋转 90 度，拆下水位开关

1. Remove the screws 1, 2 and 3 of the upper balancer with 13 outer hexagon sleeve and electric screwdriver,

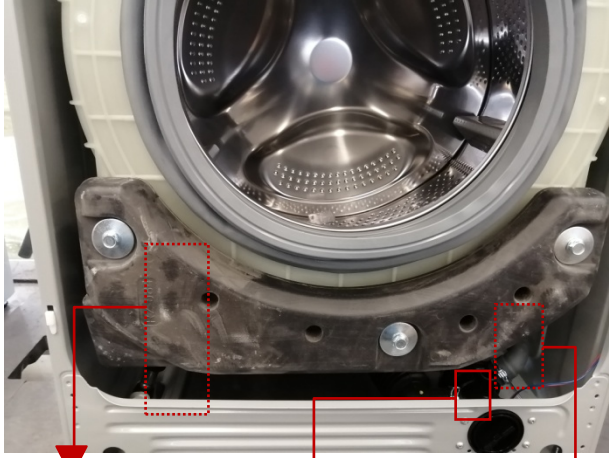




- 1、注意水位开关的线组顺序：4是两条蓝色，5是一条粗和一条细的蓝色或黑色，6是单条白色，重装时注意不要接错，否则可能引起报警

1. Pay attention to the line sequence of water level switch: 4 is two blue, 5 is a thick and a thin blue or black, 6 is a single white, pay attention to do not connect the wrong, otherwise it

	<p>and take out the balancer</p> <p>2. Remove the upper balancer to be handled gently to avoid damage</p> <p>3. Pull out the water level switch terminal 4, 5 and 6, turn the water level switch 90 degrees, remove the water level switch</p>	<p>may cause alarm</p> <p style="text-align: center;">使用工具</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>电批 electric screwdriver</p> </div> <div style="text-align: center;">  <p>13 号外六角套筒 13 outer hexagon sleeve</p> </div> </div>
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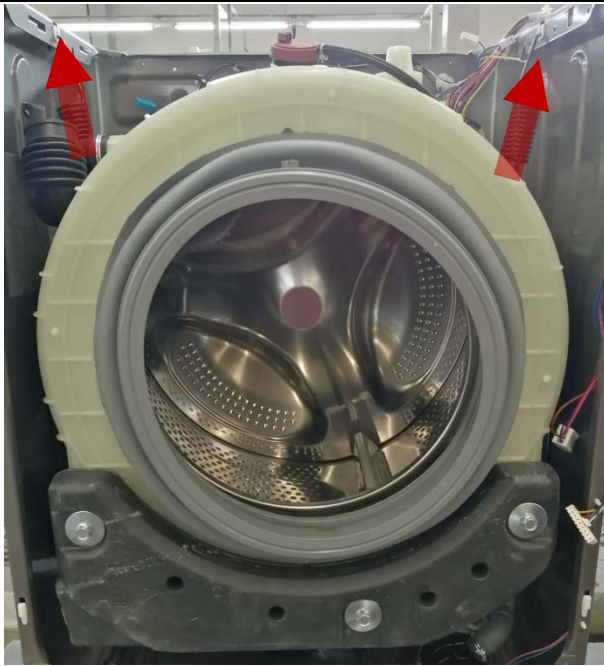
拆除减震销和排水软管

Remove absorber pin and drain hose

 <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  <p>1</p> </div> <div style="width: 30%;">  <p>4</p> </div> <div style="width: 30%;">  <p>3</p> </div> </div>	<p>1、用平口钳夹紧减震销卡口位置 <u>1</u>、<u>2</u>、<u>3</u> 同时把减震销退出来</p> <p>2、用平口钳夹紧排水软管管夹 <u>4</u> 同时拉出</p> <p>1. Clamp the absorber pin position 1, 2 and 3 with the combination pliers and then exit the absorber pin</p> <p>2. Clamp drain hose clip 4 with combination pliers and pull it out</p>	<p style="text-align: center;">使用工具 using tools</p> <div style="text-align: center;">  <p>平口钳 combination pliers</p> </div>
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拆除外桶组件

Remove tub as



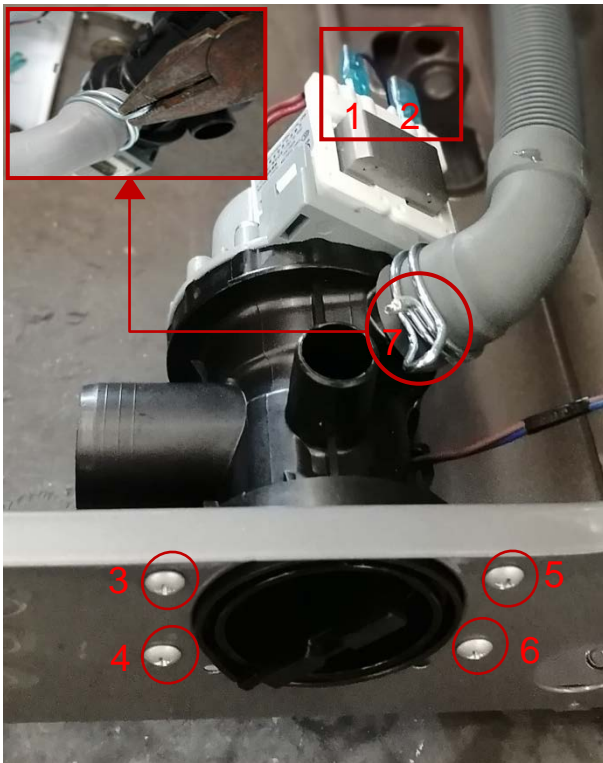
1、整理线束和水位传感器
2、紧握外桶拉簧两端用力往上提直到外桶完全脱离箱体为止，在提吊桶过程中注意不要压线或碰到其它物料

1. Organize harness and water level sensor
2. 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、水位开关、箱体、滤波器或橡胶件
2、外桶拿出后应轻拿轻放，避免碰烂外桶或电机组件
3、堆放时请门密封圈向下，皮带轮向上

1. When lifting the tub, avoid touching the harness, water level switch, cabinet, filter or rubber parts
2. After taking out the tub, handle it gently to avoid damaging the tub or motor
3. 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
2、用十字批退出固定排水泵四个螺钉 3、4、5、6
3、用平口钳夹紧管夹 7 同时用力拔出排水管

1. First pull out the zero live wire 1 and 2 on the drain pump
2. Exit the four screws 3, 4, 5 and 6 fixing the drain pump with a cross screwdriver
3. Clamp the hose clamp 7 with combination pliers and pull out the drain hose with force at the same time

1、排水泵线组按下自锁开关后再拔出线组，避免变形或拉断
2、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

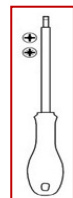
1. Press the self-locking switch on the drain pump line group and then pull out the line group, take care not to strain or break
2. When removing or installing the drain pump screws, please pay attention to avoid sliding teeth or leakage, so as to avoid noise

使用工具 using tools



平口钳

combination
pliers

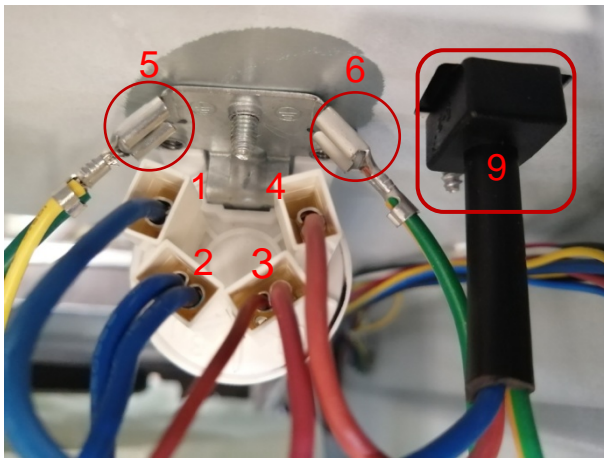


十字批

cross
screwdriver

拆除滤波器和电源线

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
 2、用十字批拆除背面的两个螺钉 7、8，取出滤波器
 3、用平口钳夹紧电源线位置 9 再旋转 90 度后拉出电源线

1. Pull out the four terminals 1, 2, 3, 4 and two grounding 5 and 6 terminals on the filter
 2. Remove the two screws 7 and 8 on the back with a cross screwdriver and take out the filter
 3. Clamp position 9 of the power cord with combination pliers and rotate it 90 degrees then take out the power cord

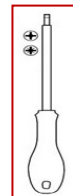
1、滤波器上的 1、2、3、4 位置线组顺序：1 单条电源线蓝色，2 两条粗的蓝色，3 一条粗和一条细的棕色，4 单条电源线棕色，不要接错否则可能引起报警
 2、拔出接线端子时注意不要扯断线

1. The sequence of line groups of position 1, 2, 3 and 4 on the filter: 1 single power line is blue, 2 two thick blue, 3 one thick and one thin brown, 4 single power line is brown, do not connect it wrong, otherwise it may cause alarm
 2. Pay attention not to break the wire when pulling out the terminal

使用工具 using tools

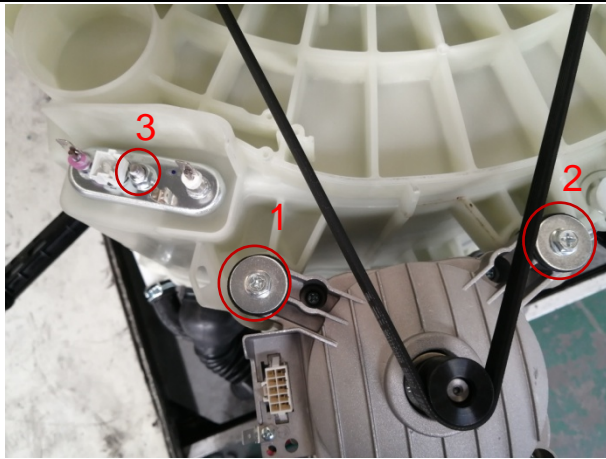


平口钳
combination
pliers



十字批
cross
screwdriver

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
 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
 3、双手把电机往上提，取出电机
 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

1. Pull the belt outward and turn the pulley to take out the belt
 2. Use 10 outer hexagon sleeve and electric screwdriver to fix the two screws 1 and 2 of the motor, then remove rubber sleeve
 3. Lift the motor up with both hands and take out the motor
 4. Remove the nut 3 of the fixed heating pipe with 10 outer hexagon sleeve and electric screwdriver, and then take out the heater

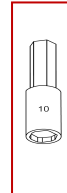
1、拿取电机时请勿提线，避免线断

2、拆出的电机组件和发热管做好防护措施

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

2. Take protective measures for removed motor and heater

使用工具 using tools



10 号外六角套筒
hexagon sleeve



电批
electric screwdriver