Hisense

WASHING MACHINE SERVICE MANUAL

WFMP8014EVM

⚠ CAUTION

READ THIS MANUAL CAREFULLY TO DIAGNOSE PROBLEMS CORRECTLY BEFORE SERVICING THE UNIT.

CONTENTS

1. SAFETY REMARKS

•Disassembly, repair or modification of the washing machine is strictly prohibited, except by specified professional maintenance personnel.
•Protects against electric shock, fire and personal injury due to improper behavior.

-Please use a separate 16A/AC 250V or larger power outlet.

- Fire may occur due to abnormal heating caused by sharing the outlet with other electrical equipment

In case of abnormality (abnormal noise, burning smell, smoke, etc.), please unplug the machine immediately to stop the machine and contact "After Sales Service".

•This product uses bipolar power cords with grounded contacts, and please use a grounded bipolar power connector. The use of a leak protector is recommended.
•It is used to prevent damage caused by electrical leakage or failure.

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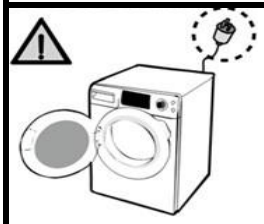
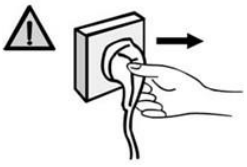


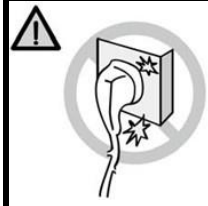
•When the washing machine is not in use, discharged or moved, please unplug it.
•It is used to prevent electric shock, electrical leakage or fire due to insulation aging.

•It is forbidden to insert and remove the power plug with wet hands.
•It is used to prevent accidents due to electric shock.

•If there is any dust or dirt stuck to the pins or clamping surfaces of the power connectors, wipe it off first before using it.
•It is used to prevent fire.

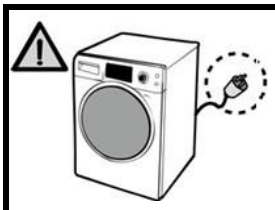


When unplugging the power cords, do not pull on the power cord and be sure to pull the connectors outwards while holding your body firmly.



•Do not use damaged power cords, plugs or loose sockets.
•Otherwise, accidents such as electric shock, short circuit or fire may occur.
•If the power cords are damaged, contact with the “After-sales Service Personnel”

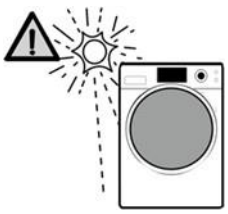
1. SAFETY REMARKS



•Turn off the power supply before maintenance and repair of the washing machine.
•It is used to prevent damage caused by electrical leakage.

•Please do not spray or spray water directly on any part of the washing machine during maintenance and repair.
•Otherwise, accidents may occur, such as short circuit or electric shock.

The nut connecting the water inlet pipe to the machine must be screwed on.



•Please do not place the washing machine in a damp place or exposed to wind, rain and sun.
•It is used to prevent fire accidents caused by electric shock or current leakage.

When the washing machine is not in use, be sure to close the tap.

Explosion or Fire

•- It is strictly forbidden to put clothes smeared with flammable substances in the drum of the washing machine.
•-It serves to prevent possible explosion or fire.

Please remove the machine door before scrapping and handling.

Mechanical damage

•Do not open the door by force.
•It serves to prevent possible damage.

Safety tips for children

•Please do not allow children to use the washing machine and do not place baskets, stools, etc. around the washing machine.
•Children can be injured if they climb on top of the washing machine or into the drum

If the washing machine is damaged during transport, do not use it. Please call the "After Sales Service Staff".

2. TECHNICAL DATA

ITEM		WMP8014EVM
COLOR		WHITE
POWER SUPPLY		AC 220-240 V，50 Hz
PRODUCT WEIGHT		58 Kg
ELECTRIC POWER CONSUMTION	WASHING	300 W
	HEATER	1750 W
REVOLUTION SPEED	WASH	55 rpm
	SPIN	1400 rpm
CYCLES		15
WASH/RINSE TEMPERATURES		20-❄/30/40/60/90℃
SPIN SPEEDS		0/400/600/800/1000/1200/1400 rpm
OPTIONS		Temp./Spin/*Favourite/Options/Delay End
WATER CIRCULATION		0.1-1 MPa
CONTROL TYPE		Electronic lock
Washing Capacity		8Kg
Dimension		595*540*845 mm
DELAY WASH		up to 24 hours
DOOR LOCK TYPE		PTC
WATER LEVEL		FWL Sensor control
LAUNDRY LOAD SENSING		Incorporated（cotton synthetics）
ERROR DIAGNOSIS		Incorporated
AUTO POWER OFF		Incorporated

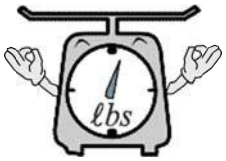
3. FEATURES AND TECHNICAL EXPLANATION

3.1 FEATURES

- **Ultra Capacity**

The larger drum enables not just higher head drop and stronger centrifugal force, but also less tangling and wrinkling of the laundry. Heavier loads, such as king size comforters, blankets, and curtains, can be washed.

- **Automatic Wash Load Detection**



Automatically detects the load and optimizes the washing time.

- **Built-in Heater**

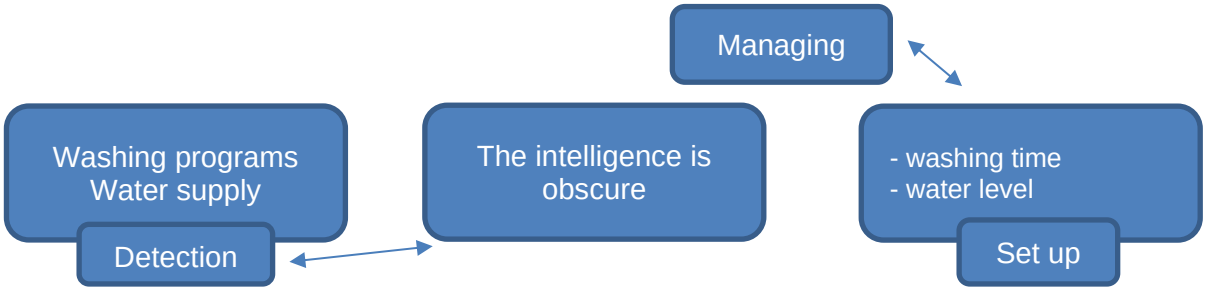
Internal heater helps to maintain water temperature at its optimum level for selected cycles.

- **Child Lock**

The Child lock prevents children from pressing any button to change the settings during operation.

3.2 INTELLIGENT FUZZY CONTROL

To achieve the best washing effect, it must be determined based on the water supply conditions



3.3 POWER SUPPLY CONTROL

♦ After the washing machine is connected to power, the PCB is under “Off mode”, and all buttons and knobs except for the “ON/OFF” button are disabled; all loads are in the state of ready-for-activating.

♦ After pressing the “ON/OFF” button, the PCB will switch to “Ready mode” from “Off mode”, and conduct status inquiry for a few minutes, with values of parameters like water level, water temperature, air temperature, motor speed, door lock state, etc. obtained.

♦ When the PCB runs a complete routine to end, the “Ready mode” will display the previous completed program, with the settings corresponding to those set by default. If the previous flow that is not run to end, then it will restore to the “Cotton” program by default.

♦ When the program finishes and displays “End”, the door will unlock, and the PCB will enter in “End mode”.

♦ If no button-press operation is done for 3 minutes when the washing machine is under “Ready mode”, the PCB will automatically be power off and switch to “Off mode”. If no button-press operation is done for 30 seconds when the washing machine is under “End mode” where the washing is completed, the PCB will automatically be power off and switch to “Off mode”.

♦ In order to avoid the user to unintendedly press the “ON/OFF” button, two successive seconds are required for switching from “On mode” to “Off mode”, and only one click is required for switching from “Off mode” to “On mode”.

3.4 WATER LEVEL CONTROL

♦ This module contains a FWL sensor for detecting the water level inside the tub.

♦ During water inflowing, the PCB controls the inlet valve to function and execute the water inflow operation. When water level reaches the “Washing water level”, water inflow stops and the washing process begins. If the water level declines during washing, it will automatically activate the water inflow and replenishing program so as to reach the “Washing water level” again.

♦ During water draining, the PCB controls the draining pump to continuously work on water draining process. When water inside the tub is discharged down to the “Spinning water level”, the Spinning process will begin.

3.5 DOOR LOCK CONTROL

♦ When the PCB enters in “Ready mode”, it will detect the state of door lock and execute operation accordingly. No action is taken when opening the door if the opening conditions are met, otherwise the door must be closed; if the door is closed, then perform the opening action if the opening conditions are met,

otherwise the door should be kept closed.

- ♦ After selecting the program and function, press the “Start/Pause” button, the PCB controls the door lock to execute locking operation, and the “Door lock” icon will light up in the display window.
- ♦ After the program is finished, the “Door Lock” icon will flash on the display window when the opening conditions are met, and the PCB will control the door lock to perform the opening operation. If the "Door Lock" icon is off in the display window, the door is locked.
- ♦ The program enters in “Pause mode” from “Run mode”, and the unlocking operation can be executed if conditions permit.
- ♦ The door lock clicks when it executes the program of “lock/unlock”.
- ♦ Door unlocking conditions: the motor stops, the water temperature is below 50°C, and the water level is below the “Door-opening water level”.

3.6 LAUNDERING CONTROL

- ♦ After the PCB is in "Standby" mode, select the appropriate program and function, press the "Start/Pause" button, and the PCB will control the door lock and control the inlet valve to the "washing water level"" and the washing process begins.
- ♦ The PCB controls the motor to perform intermittent clockwise and counterclockwise operations at a constant frequency and drives the drum to rotate for washing using the pulley.
- ♦ Motor speed and rotation/stop ratio under “Cotton” program:

Name	Water inflow	Pre-wash	Washing	Rinse
Motor speed	45rpm	55rpm	55rpm	55rpm
Rotation/Stop ratio	10:5	20:10	20:10	12:8

3.7 HEATING CONTROL

- If the temperature set by the user is higher than the water temperature, the PCB controls the operation of the heater and runs the heating process until the water temperature reaches the set temperature.
- If the temperature set by the user is higher than the water temperature, no heating operation is required.
- The heating element is switched on and operates for 3 seconds after reaching the set temperature.
- If the water level is below the "Heating water level", the heater must be stopped and refilled.

3.8 SPINNING CONTROL

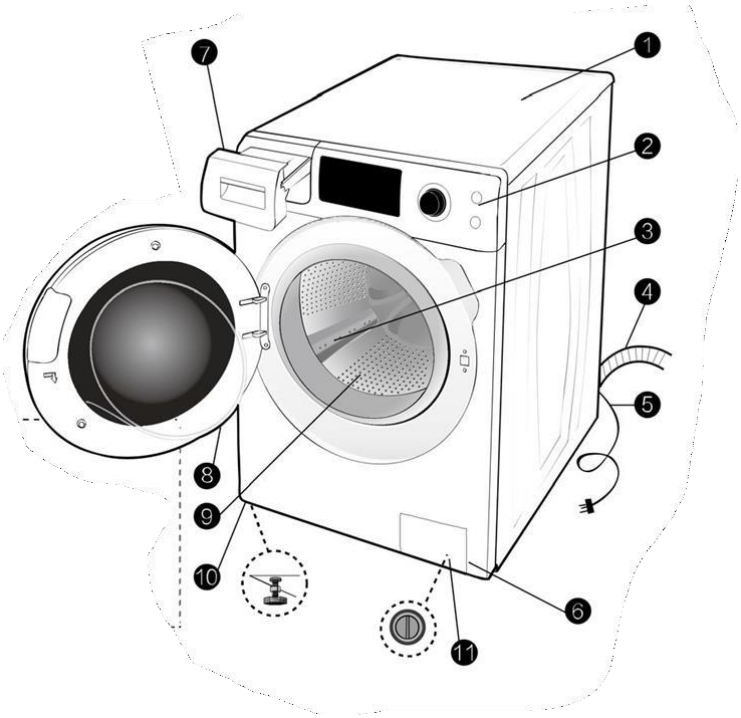
- During draining, the centrifugation process starts after the water in the tub is drained to the "Hatching water level".
- The PCB controls the motor to rotate the drum clockwise. First, perform the distribution measurement at a low speed (about 93 rpm) and then measure the equilibrium value. After the equilibrium value has reached the standard, the distribution measurement succeeds and a
- enters the high-speed spinning phase. If the distribution measurement fails because the equilibrium value is too large and does not meet the requirements, it must be worn continuously. distribution measurement operation.
- Spin speed limit: The spin speed cannot exceed either the maximum speed set by the program or the speed set manually with the "Spin" button.
- Time does not count for the first 10 times during the distribution measurement, and if the distribution measurement is still unsuccessful, the time will decrease gradually and occupy the Spin Time until the latter runs out.

- During spinning, if the clothes finally do not spin because the distribution measurement is always unsuccessful, “End/Unb” will be displayed alternately after the program ends at 1 second intervals, in the display window it will be continuously on, and the alarm buzzer will make a sound.

4. PARTS IDENTIFICATION

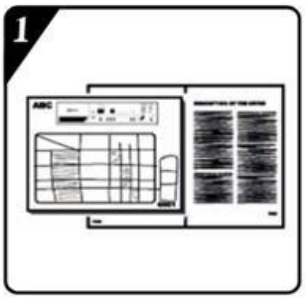
SUBPARTS

1. Top of the machine
2. Control panel cover
3.Drum chamber
4. outlet pipe
5.Mains supply
6.Filter cover
7.Dispenser
8.Door
9.Drum
10.Four adjustable feet
11.Drain pump filter

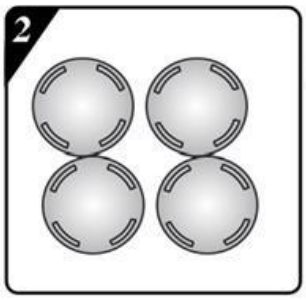


As for product development and series expansion, the products you purchase may differ from the graphical representation in this manual, the actual product will prevail.

ACCESSORIES

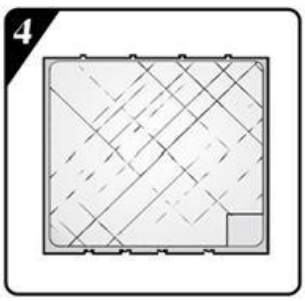


IFU ASM



plastic cap for 4 screws

Inlet pipe +"U" elbow bracket



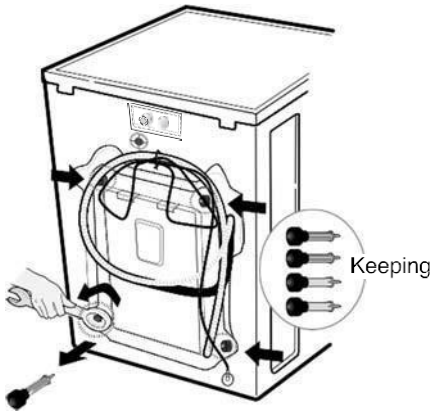
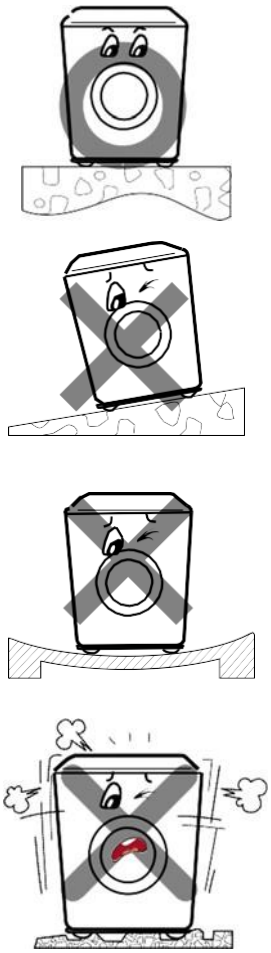
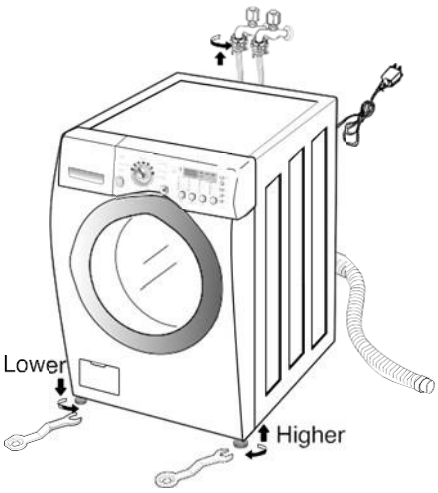
Noise reduction board

Depending on the type of machine
Some models are not equipped with a "U" elbow support or a noise reduction plate, which affects the use,

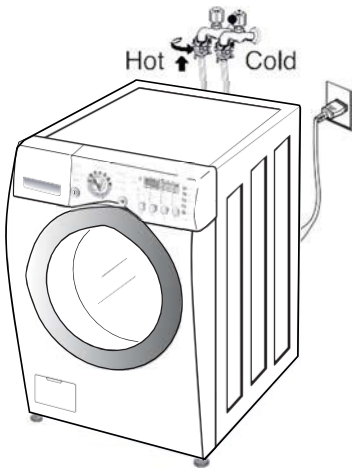
5. INSTALLAYTION AND TEST

1. Before servicing, ask the customer what the trouble is.
2. Check the setup (power supply is 220-240V AC, the transit bolts, level the washer).
3. Check the troubleshooting guide.
4. Plan your service method by referring to the disassembly instructions.
5. Service the unit.
6. After servicing, operate the appliance to see whether it functions correctly.

5.1 STANDARD INSTALLATION

REMOVE THE SHIPPING BOLTS	INSTALL THE APPLIANCE ON A FLAT AND FIRM	ADJUST THE LEVELING
♦ Remove the 4 shipping bolts with the supplied wrench. ※ Do first lower side to remove easily. ♦ Keep the shipping bolts and spanner for future use. ♦ Insert the 4 caps (provided) into the hole. 		♦ Rotate the leveling feet to adjust the appliance.  ♦ Turn clockwise to lift; ♦ Turn counterclockwise to lower.

5.2 CONNECT THE INLET HOSE



♦ Check that the rubber washer is inside of the valve connector.

♦ Tighten the inlet hose securely to prevent leaks.

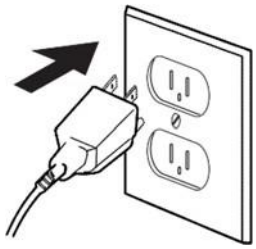
5.3 CONNECT THE DRAIN HOSE

Make sure that the hose is not twisted

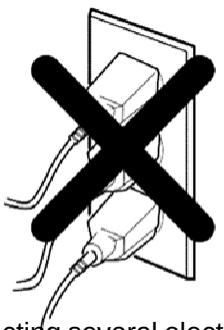
Avoid submerging the end of the hose

※ The end of the drain hose should be placed less than 96” from the floor

5.4 CONNECT POWER PLUG



Connect the power plug to the wall outlet



·Avoid connecting several electric devices, as doing so may cause a fire

5.5 TEST OPERATION

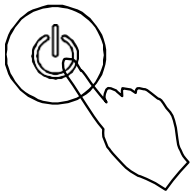
Perform the washing machine self-test in step 8-1. according to the figure, or perform a test run according to the figure below

[CAUTION] Before performing this kind of check, turn on the special function mode in Figure 8-2. according to figure; after the inspection is completed, please turn off the special function mode, otherwise it may cause users to malfunction and further affect the normal use of the washing machine.

1. Preparation for washing

Connect the power cord to the outlet.
Connect the inlet hose.

2. Press the “ON/OFF” button

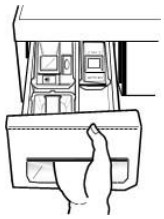


Select a short program and set the laundering temperature above the room temperature.

3. Press the "Start/Pause" button

The "door lock icon" lights up on the display when the door is closed.

4. Check the water supply



Check that water flows through the detergent dispenser

5. Check the water supply reverse rotation

Check that the drum rotates clockwise and counter clockwise

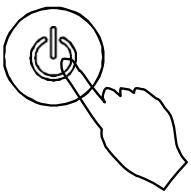
6. Check the water supply function

Display the current temperature in Figure 8-2. according to picture

7. Check the drain and spin functions

When draining, check the drain and spin functions. Once the spin is complete, the "door lock icon" flashes on the display when the door performs an opening operation.

8.Press the “ON/OFF” button



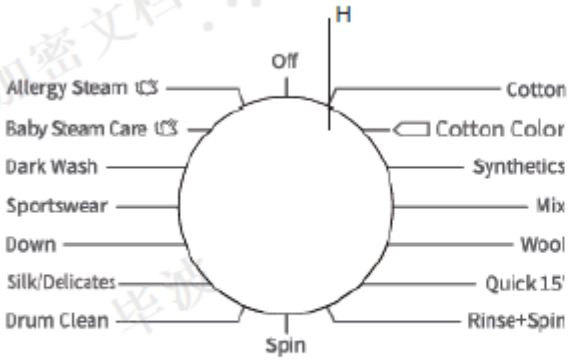
The display screen displays “End”. Press down the “ON/OFF” button for 3s, and then turn off the power supply

9. Water removal

If repair is required during the inspection, remove the remaining water by pulling off the hose cap

6. OPERATION

6.1 CONTROL PANEL



A: “Start/Pause” button

Start/ Stop the washer with this button

B: “Delay End” button

C: “Options” button

Choose the additional function of laundering by repeatedly pressing this button.

D: “*Favourite” button

This functions is used to store the program that you favourite.

E: “Spin” button

Change the final spinning speed by repeatedly pressing this button to switch over from one option to another.

F: “Temp.” button

Change the heating temperature of laundering by repeatedly pressing this button to switch over from one option to another.

G: Display window

Display the information such as the washing program, function, state and residual time of washer.

H: Cycle Selector Knob

15 programs and Off key can be selected through the knob

6.2 CYCLE GUIDE

The cycle guide below shows the options and recommended fabric types

for each cycle.☐

Program	Care Label	Material / Level of Soiling Washing temperature selected as per the Care Label instruction.	Maximum Wash Load kg	Detergent Compartment			Wash Program Functions							Maximum spin speed rpm
				Prewash	Main wash	Softener	Delay End	Prewash	Extra rinse	Default rinse times	Intensive	Spin	Temp.	
Cotton --,20°C, 30°C, 40°C, 60°C, 90°C	40 60	Heavily and moderately soiled cotton, or linen. For very heavily soiled items select the "Prewash" function.	8	*	Yes	*	*	*	*	3	*	*	*	1400
Synthetics --,20°C, 30°C, 40°C,60°C	40 60	Moderately soiled synthetics, cotton blended fabrics.	8	*	Yes	*	*	*	*	3	*	*	*	1400
Allergy Steam (2) 40°C, 60°C		It is suitable for high temperature resistant and less fading fabrics, which removes allergens such as pollens, mites and parasites through high temperature steam.	2	*	Yes	*	*	*	*	4	*	*	*	1400
Eco 40-60 (1)	—	Normally soiled cotton laundry.	8	—	Yes	—	*	—	—	1	—	*	—	1400
Wool --,20°C, 30°C, 40°C		Machine washable wool. (Refer to the washing label attached to the clothing).	2	—	Yes	*	*	—	*	2	—	*	*	600
Baby Steam Care (2) 40°C, 60°C, 90°C		It is suitable for baby clothes and underwear, etc., which sterilizes and disinfects through high temperature steam.	2	*	Yes	*	*	*	*	3	*	*	*	1400
Dark Wash --,20°C, 30°C, 40°C,60°C	—	Dark textiles made of cotton and dark easy-care textiles	4	*	Yes	*	*	*	*	2	*	*	*	1000
Quick 15' --,20°C, 30°C, 40°C	30 30	Cotton, mixed fabrics. Items worn for a short time or newly bought.	1	—	Yes	*	*	—	*	1	—	*	*	800
Mix --,20°C, 30°C, 40°C	40 40	Mixed loads of moderately soiled cotton and synthetic fabrics.	4	*	Yes	*	*	*	*	2	*	*	*	1400
Sportswear --,20°C, 30°C, 40°C	30	Sportswear and leisure wear made from microfibre fabrics.	2	*	Yes	*	*	*	*	2	*	*	*	1000
Down --,20°C, 30°C, 40°C	40	Machine-washable items stuffed with synthetic fibres, such as pillows, quilts and bedspreads; also suitable for items stuffed with down.	2	—	Yes	*	*	—	*	2	—	*	*	600
20°C	—	This program is suitable for cotton clothes with light stains,energy saving.	8	*	Yes	*	*	*	*	2	*	*	—	1400
Drum Clean 90°C	—	Program to remove dirt and bacterial residue that can breed in the machine after it has been used for a period, especially when low temperature washes are used regularly.	—	—	Yes	—	*	—	—	1	—	—	—	800
Rinse&Spin	—	This program is defaulted to two rinses and spin.	8	—	—	*	*	—	*	2	—	*	—	1400
Spin	—	Select the length, and speed, of the spin manually.	8	—	—	—	*	—	—	0	—	*	—	1400

6.3 COMMON FUNCTIONS

Delay Function

♦ This function will allow to select the time your wash program will start.

♦ Select Delay after you have selected the program and other options.

♦ Press the Delay button once and the delay time will increase by 30 minutes. Press and hold the button and the delay time will increase by 30 minutes every 0.4 seconds. The delay time can be programmed for between 30 minutes to 24 hours. To cancel the selection, release the button and then press it again.

♦ The delay time must be longer than the wash program length as the delay time is the time the program will finish. For example: if the selected program time is 02:28, the delay time selected must be between 02:30 and 24:00.

♦ After the delay time has been selected press the “Start /Pause” button and the display will start to count down. When the delay time is down to the program length time the Delay icon will go out and the program will start.

♦ To cancel the delay time, after the “Start /Pause” button has been pressed, but before the program has started, it will be necessary to press the On/Off button and turn the washing machine off.

♦ The Delay function is not available for some programs, e.g. Drum Clean, Spin.

Mute Function

♦ The buzzer and alarm can be turned off by pressing the Spin and Quicker buttons at the same time for 3 seconds.

Child lock

♦ To protect children, the appliance has a Child Lock function.

this will disable the program selector dial and the option buttons.

♦ After the program has started press the

Temp and Spin at the same time for 3

seconds. The Child Lock icon will flash.

♦ Follow the above steps to unlock this function.

Door Lock Icon

♦ After the program starts the Door Lock icon will flash and the door will be locked.

♦ The door is always locked when a program is running. It is not possible to open the door whilst the icon is

flashing and trying to forcibly open the door will cause damage to the appliance.

♦ If you wish to open the door due to an emergency, you must press the Start / Pause button. It is important to check the level of the water inside the drum, and the water temperature, before trying to open the door.

♦ If the door will not open after 2 – 3 minutes you can select the spin program to drain the water from the drum. Lock off the appliance and open the door.

♦ Safety Notice： If the program is interrupted during the wash the temperature of the items inside, and the drum, may be very high. To avoid any scalding, or burns, care must be taken before removing any items from the drum.

Adding Clothes After the Program Has Started

♦ If you need to add other items of clothing after the program has started you must check the level of the water inside the drum. If it safe to open the door press the Start / Pause button.

♦ The remaining program time on the display will flash. The door lock indicator will go out and the door can be opened after 2 – 3 minutes.

♦ If the door lock does not stop flashing this indicates that the temperature inside the drum is above 50°C, or it is

too late in the program to add further items of clothing.

6.4 ADDITIONAL FUNCTIONS

To change, or add. Any of the functions press the respective button and the display will flash. Press the button again until the chosen option flashes and then press select.

Power Save

♦ Press the Option button until the icon flashes and press Select. This function is designed to reduce the amount of electricity, water used and save time during the program.

♦ The icon will continue to flash until the program is finished.

Prewash

♦ Press Select. Add detergent into the Soak compartment of the detergent drawer.

♦ This function cannot be selected if you select Eco Wash function.

Rinse Hold

♦ Press the Option button until the Rinse Hold icon flashes and press Select. Selecting this function will keep the clothing suspended in water after the last rinse, to prevent the fabrics from creasing. To spin the clothing, and complete

the program, press the Start / Pause button. The items can then be

removed straight away after the program has finished.

♦ This function cannot be selected if you select Eco Wash function.

Extra Rinse

♦ Press the Option button until the Extra Rinse icon flashes and press Select.

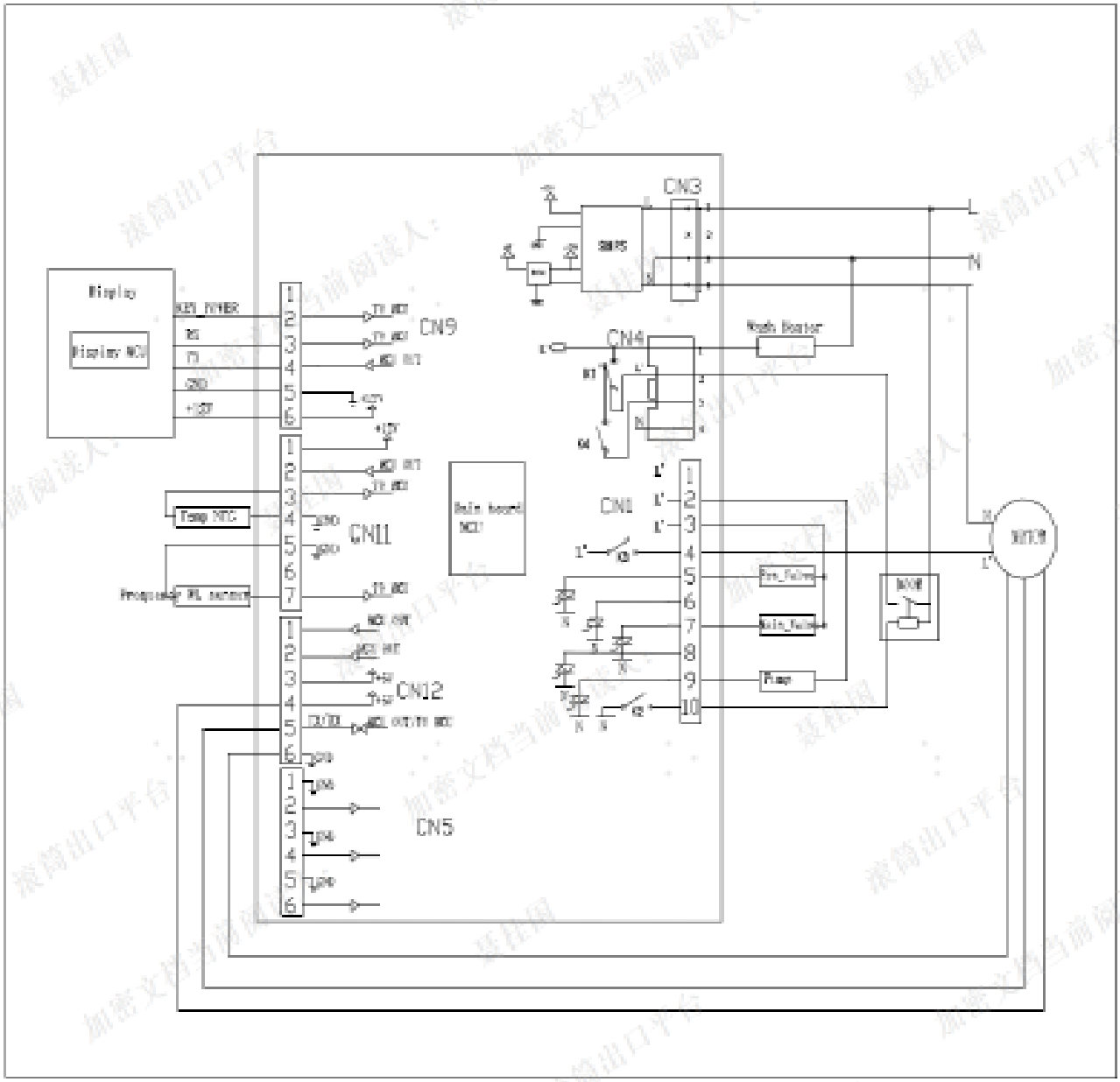
♦ This function cannot be selected if you select Eco Wash function.

Intensive Wash

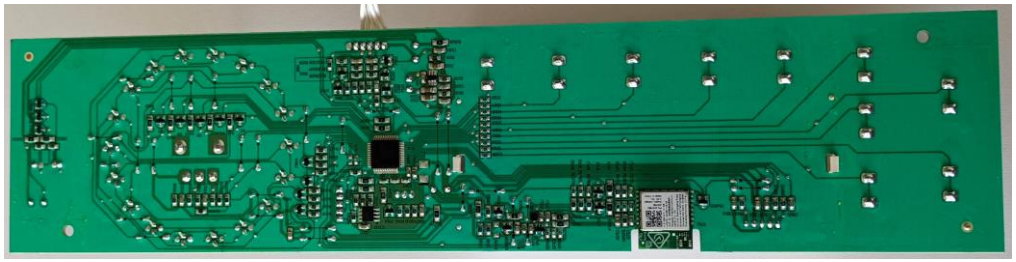
♦ Press the Option button until the Intensive Wash icon flashes and press Select. This function will prolong the wash time with a more intense wash action for washing heavily soiled items.

7. WIRING DIAGRAM/PROGRAM CHART

7.1 WIRING DIAGRAM



7. WIRING DIAGRAM/PROGRAM CHART



7.2 PROGRAM CHART

	WASH											RINSE															SPIN					DRY			Approx Working Time (Minutes)
	PRE					MAIN						RINSE					EXTRA RINSE 1					EXTRA RINSE 2					SOFT								
	W-S	WASH	DRAIN	I-S	A-D	W-S	HEAT	WASH	DRAIN	I-S	A-D	W-S	RINSE	DRAIN	I-S	A-D	W-S	RINSE	DRAIN	I-S	A-D	W-S	RINSE	DRAIN	I-S	A-D	W-S	RINSE	DRAIN	SPIN	A-D	D-T	D-u		END	AUTOOFF	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	17	18	19	20	21	22	23	24	25	26	27	28		29	30	
	60	※	60	240	60	120		※	60	240	60	120	※	60	240	60	120	※	60	240	60	120	※	60	240	60	120	※	60	※	60	60	60			30	
Cotton		12						108					8					8										8		11							160
BabySteamCare		12						63					4					4										4		8							130
Mix		12						83					2					2										2		7							118
20℃		12						58					8					8										8		11							110
Allergy Steam		12						48					5					5					5					5		7							111
Eco 40-60								200					3					3										3		12							239
DarkWash		12						38					5					5										5		7							75
Sportswear		12						23					4					4										4		7							58
Drum Clean								59					4					4										4		4							70
Wool								27	2				2	2				2	2									2	2	4							55
Down								30					5					5										5		5							65
Quick 15'						1		4									1	3									1	3		4							15
Rinse+Spin													4					4										4		11							30
Spin																														9							10

※ Water Supply: W-S Add Drain: A-D Intermittent Spin: I-S Disentangle: D-T
DOOR Unlock: D-U

: Basic Cycle : Optional Cycle
Pre-Setting Time: Water Supply - 60 sec Drain - 60sec

Wash time is in minutes.

The total working time will vary with the load size,water temperature and ambient temperature

8.TEST MODE

Enter the test program:

1. Rotate the selector on program Spin

2. Press SW1 + SW3 at the same time

3. The display shows TS1 (means that you can select the desired submenu / test program)

Ⅰ Test program 1:

Press button SW2

C0 On display - door lock on

C8 On display - test keys / press all keys to continue the program

C1 On display, spray valve 2s on, main valve 2s on

C2 On display - all valves 7s on when the water reaches the heating level, heater wash on until it reaches 60 ° C or it is turned on for 15s, the motor on 55rpm in both directions

C3 On display - The detergent injection pump and the softener are turned on for 5 seconds in turn. After the injection, the cold shower valve opens, the drain pump opens, and the cold shower valve closes after 5 seconds; the drying heating pipe starts to heat, the fan starts to work, and the heating pipe and 10 seconds later The fan stops working and drains to the empty bucket water level

C4 On display - pump on, drum acceleration up to 1000 rpm for 200s (press SW3 to display revolutions on the display) / step of motor sound test

End wash

II Test program 2: water circulation testing Press button SW1

C0 On display - door lock on

C1 On display - spray valve 2s on, main valve 2s on

C2 On display - all valves 7s on when the water reaches the heating level, heater wash on until it reaches 60 ° C or it is turned on for 15s, the motor on 55rpm in both directions

8.2 Select models:

1. Turn on appliance ON/OFF key
2. Rotate the knob to spin program
3. Touch SW1+SW3 at the same time, TS1 is displayed
4. Press key SW3
5. Press key SW1，Select the corresponding model

Model parameter：WFMP8014

6. Press key Start/Pause ，Save parameters and exit;
7. Power off;

IV Add the function of cycles record:

1. Power the machine on and then select "SPIN" program
2. Simultaneously press the (SW1) + (SW3) combination key for 1 second to enter the Special Mode, and the LED displays tS1.
3. Press the (SW4) key to enter the Developer Mode
4. Press the (SW1) to switch parameters (the parameter adjustment
5. interface will circularly display: version number of power supply board - version number of inverter board - version number of touch board-unbalance parameter 1 - unbalance parameter 2 -unbalance parameter 3 - unbalance parameter 4 - test function - cycle function -operation cycle)

8 TROUBLE SHOOTING

9.1 SAFETY CAUTION

1. There's built in 220-240V AC and DC power in output terminal of PCB in common. Be careful electric shock when disconnecting parts while trouble shooting. (wear elector static discharge gloves when working)
2. After cutting off the power when changing PCB, disconnect or assemble.
3. Be careful static when handling PCB, and use electrostatic discharge plastic pack when delivering or keeping it.

9.2 ERROR MODE SUMMERY

In case of any abnormal conditions are detected during running, turn off all loads except for door lock, and then the buzzer sounds to give an alarm.

Error	Problem	Cause or remedy	Process （service technician)
F01	F01 on display.	• Water level is not reached. • The water level is controlled at all times during the process of filling the appliance. If the washing level is not reached after 15 minutes, an error is displayed. • In case that appliance detects that the water level is not 0, the pump is activated. |In case that error is still present after the draining, error is displayed. F01. • The water level frequency change is less than 300Hz after 3 minutes of water intake # Press the Start / Pause button. # Water tap. # Clean the filter on the inlet valve and inlet hose. # Check if appliance is leaking.	• Check pressure, water flow. • Electro valve. • Pressure sensor.
F03	F03 on display.	• No draining. • In case that appliance detects that the water level is not 0, the pump is activated. In case that error is still present after the draining, error is displayed F03. • Drainage does not reach the set water level alarm within 9 minutes # Press the Start / Pause button. # Clean the filter. # Check wall siphon, clean it. # Check the pump turbine, clean it.	• Pump. • Electro valve. • Pressure sensor.

F04	F04 on display.	• The water temperature is not reached. • Heater fault. • An error occurs if the water temperature does not change by 3 °C within 15 minutes. # Check water heating (during washing cycle touch the door glass with hand); if water is cold, heater shall be replaced.	• • Heater. • NTC sensor. • Power supply unit.
F05	F05 on display.	• Temperature sensor in short circuit.	• NTC sensor.
F06	F06 on display.	• Motor spinning error. • In case, that the speed in the phase of spinning is 0 in the event of 2 seconds, appliance repeat the process. • After six unsuccessful trials, an error is displayed. • In case that the motor speed can not be measured or it is less than 20 rpm, error is displayed.	• Motor. • Power motor control unit.
F07	F07 on display.	• Motor power supply unit temperature is too high. • In the case of an inverter motor, the error is indicated when the temperature of the power supply unit is higher than 150 °C. • In case of universal motor, error occurs when the measured speed is greater than the set speed.	• Power motor control unit. • Power supply unit.
F08	F08 on display.	• Motor overcurrent. • An error occurs if the motor current exceeds 8A.	• Power motor control unit.
F09	F09 on display.	• Incorrect main voltage. • The mains voltage is not in the range (less than 200V or more than 400V). •If this failure occurs 30 times in a row, it will alarm and disconnect the relay. # Check the voltage level.	• Voltage level. • Power supply unit.
F10	F10 on display	• Motor current lost. • In case there is no current through the motor winding after • 4 seconds, an error is displayed. • •Alarm after 30 consecutive occurrences.	• Motor. • Power motor control unit.
F11	F11 on display	• After disconnecting the relay for 30 seconds, re-engage the relay and try to work normally; if this failure occurs continuously for 30 times, it will alarm and disconnect the relay.	• Power motor control unit. • Motor.

F12	F12 on display	• Power supply unit microprocessor error. • Alarm after 30 consecutive occurrences	• Power motor control unit. • Motor.
F13	F13 on display	• Door lock error. • Door do not lock. # Close the door and press Start button. |Close the door and press start button; if the machine fails to start, close the door again, push harder and switch on the machine.	• Door lock. • Door pin. • The door. • Control unit.
F14	F14 on display	• Door lock error. • door not open after cycle ends. # Press the Start / Pause button. |The program will try to open the door. （# Empty water from drum - use filter extension hose. # Clean the filter. # Check wall siphon, clean it. # Check the pump turbine, clean it）	• Door lock. • Door pin. • The door. • Control unit.
F15	F15 on display	• Drying temperature sensor error. • In case of drying temperature sensor error, the drying unit stops with heating, valve stops dosing and the pump stops working. • Alarm after the fan runs for 5 minutes. Error is displayed. • The error is shown only for drying programs.	• Dry NTC sensor. • Fan. • Heater • Power supply unit.
F16	F16 on display.	• Return air temperature sensor error. • In case of return air temperature sensor error, the drying unit stops with heating, valve stops dosing and the pump stops working. • Alarm after the fan runs for 5 minutes. Error is displayed. • The error is shown only for drying programs.	•Return air temperature sensor. •Fan. •Heater. Power supply unit.
F17	F17 on display.	Drying error (drying unit). • An error is displayed if the temperature change over 20 minutes is less than 5 ° C. • In case of failure, the drying unit stops with heating, valve stops dosing and the pump stops working. • Alarm after the fan runs for 5 minutes. Error is displayed.	•Dry NTC sensor. •Fan. •Heater. • Power supply unit.
F18	F18 on display.	Fan error. • The power supply unit does not receive the fan signal during drying. • In the drying stage, during non-operation of the fan for 30 seconds, no signal is detected,	•Fan. Air flow. •Heater. • •Power supply unit.

F20	F20 on display.	• No communication data within 30S, only in the production inspection process	•The terminal is loose or damaged; •Power supply unit.
F21	F21 on display.	• Communication error between the power supply unit and the user interface. • Error is displayed if the communication is not detected for 90 seconds.	•Communication (conductors, connectors) between the power supply unit and the user interface.
F22	F22 on display.	• Communication error between the power supply unit and the motor power supply unit. • Error is displayed if the communication is not detected for 30 seconds. • If this communication failure occurs 3 times in a row, it will alarm. Motor stops.	•Communication (conductors, connectors) between the power supply unit and the motor power supply unit. •Motor.
F23	F23 on display.	• Level sensor error. • Continuously detect for 5 seconds that the water level sensor is not connected properly, there is no frequency signal feedback, or the frequency signal is out of range (34k-45k). # Restart the program.	•Pressure sensor. •Condenser tank clogged •Valve. •Pump. •Motor.
F24	F24 on display.	•Overflow •The error occurs when the drying process detects the overflow. •The pump is activated. #Press the Start/Pause button #Close the inlet valve	•Condenser tank clogged •Pressure sensor •Valves •Power supply unit
F25	F25 on display.	•Overflow •The error occurs when the drying process detects the overflow. •The pump is activated. #Press the Start/Pause button #Close the inlet valve	• Buttons •Soap dispenser drawer.
UNB	UNB on display.	• No fault. |Unbalance warning. # We recommended washing large and small pieces of laundry together. # Installation of the appliance. # Remove transport screws. # Correct drum load. # Restart the program.	

Error	Problem	Cause or remedy	Process (service technician)
1	Appliance| after connecting to the electricity| doesn't operate.	# Check the outlet voltage [blnk]4-027-1986[/blnk]. # Check if the appliance is switch ON (ON/OFF button).	·There is voltage in the circuit. ·Power switch. ·Control unit.
2	Appliance after connecting to electricity network, does not work.	# Check the outlet voltage. # Check if the appliance is switch ON (ON/OFF button).	·There is voltage in the circuit. ·Power switch. ·Control unit.
3	Appliance does not work, lights does not turn on, does not start	# Check the outlet voltage. # Check if the appliance is switch ON (ON/OFF button).	·There is voltage in the circuit. ·Power switch. ·Control unit.
4	Circuit breaker turns off.	· Improper electrical installation. # Turn on the FID and reconnect the appliance. # Turn on the FIT and connect another device.	·Wiring harness damaged. ·Control unit. ·Heater. ·Motor.
5	Switch off the fuse switch.	· Improper electrical installation. · The appliance is in short circuit. # Turn on the fuse and reconnect the appliance. # Turn on the fuse and connect another appliance.	·Wiring harness damaged. ·Heater. ·Motor.
6	Drum does not rotate.	· Repair is carried out by authorized Services.	· Foreign object between tube and drum. ·Wiring harness damaged. ·Belt. ·Brushes. ·Motor.
7	Appliance does not rotate the drum.	· Repair is carried out by authorized Services.	· Foreign object between tube and drum. ·Belt. ·Brushes. ·Motor.
8	Drum doesn't rotate.	· Repair is carried out by authorized Services.	· Foreign object between tube and drum. ·Belt. ·Brushes. ·Motor.
9	The motor is not running.	# Check the outlet voltage. · Repair is carried out by authorized Services.	· Foreign object between tube and drum. ·Control unit. ·Wiring harness damaged. · Belt. · Brushes. · Motor.
10	The appliance moves or vibrates during operation.	· Incorrect load. · The laundry is not properly sorted. · The appliance is not positioned correctly. # Check if transport brackets were removed. # Check levelling, positioning of the appliance. # It is recommended to wash smaller and larger pieces of laundry together.	· Check the appliance. ·voltage. ·Springs. ·Shock absorber.
11	Door cannot be opened.	· For safety reasons, the appliance does not allow opening the door. · To high water level in drum. · Water temperature to high. # Drain water, use a pumping or centrifuging program. # Wait that water temperature decrease, then drain water out. # If door still doesn't open use mechanical key to open it.	· Door hinge. · Door lock. · Pressure sensor. · The door. · Control unit. · heater(NTC)

12		# Clean the filter. # Clean drain or siphon. # Check the voltage (too low voltage).	· Filter. ·Outlet hose. ·Pump. ·Control unit. ·Check the voltage (too low voltage).
13	Drops, leaks, drip, water flows under the machine.	# The filter is not inserted correctly or tightened properly. # Feed pipe is not properly tightened to the appliance or the tap. # Outlet pipe fell on the floor. # The drain hose is not well attached to the siphon. # Clean door seal. # Clean door glass.	· Check the appliance.
14	It smells / smells burnt.	· An unpleasant smell can be caused by the winding of the electric motor, which disappears after several washing cycles. # Check the socket. # Check the plug.	· Check the appliance. · Gap between door seal and drum. · Motor.
15	Washing machine tearing the laundry.	# Check the surface of the drum with a silk cloth. # Recommended washing of delicate laundry, small pieces in the bag.	·Drum. ·Door seal.
16	To fast / immediately takes the softener.	· Too high level of the softener in the soap dispenser [blnk]4-027-1985[/blnk]. · Aqueous stone on the cover of the soap dispenser. · Rough closing of the soap dispenser drawer. · Too much pressure. # Clean the detergent dispenser. # Add softener in accordance with the instructions.	· Hose valve - soap dispenser. · Same water flow on both valves. · Valves. · Water jet. · Detergent dispenser.
17	Fabric softener is not dispensed.	# Clean the detergent dispenser, siphon [blnk]4-027-1982[/blnk]. # Concentrated softeners must be properly diluted.	· Hose valve - soap dispenser. · Same water flow on both valves. · Control water dosage. · Valves. · Detergent dispenser.
18	Drum hardly rotate.	· Repair is carried out by authorized Services.	· Drum support. · Bearings. · A foreign object in tube. · Belt. · voltage. · Control unit.
19	Unpleasant smell of laundry.	· If you often wash your clothes at low temperatures and with liquid detergents, germs might develop; this might also be the cause of unpleasant smell in the drum or of the clothes. # To prevent this, it is recommended to run the program Cotton 95°Cwithout a laundry at least once a week and to use powder laundry detergent, or to run a self-cleaning program. # Once a week, use the washing program with the vinegar.	· Check the appliance.
20	Laundry is still wet, washing machine doesn’t drain.	# Clean filter. # Increase the amount of laundry. # We recommended washing large and small pieces of laundry together.	·Drain pump.

21	Washing machine rumbling, load in centrifuge.	# Check the installation of the appliance. # Clean filter.	Check the appliance. Drum support. Shock absorbers. Weights. Motor. Bearings.
22	Loud operation of appliance, bearings, squealing, unusual sounds during operation.	Vibration, movement of the appliance around the room and loud operation can be caused by incorrect adjustment of the adjustable feet. |Improper alignment of adjustable feet is not a repair in warranty. During operation, the sound of hitting hard parts of the laundry against the drum can be heard. A louder sound can also be emitted by the pump. |The reason of loud sound during the pump operation can be in case if filter or drain pump propeller is clogged. # Check the installation of the appliance. # Clean filter. # Clean propeller of drain pump.	Check the appliance. Drain pump. Shock absorbers. Weights. Motor. Bearings.
23	Door cannot be opened, do not open.	The appliance detected that there was water in the drum. |Doors for security reasons remain locked. # In case there is water in the drum, run the spin program. # Clean filter. # Disconnect the plug from the main and connect it again. # Mechanical opening of the door, string – filter.	Outlet hose. Tub - filter hose clogged. Pump. Door lock. The door.
24	Doors cannot be closed, they do not close.	Repair is carried out by authorized Services.	Door lock. The door. voltage. Control unit.
25	The filter cannot be pulled out.	The foreign object mechanically blocks the filter. # Try to pull out the filter with a little more force.	Filter
26	The appliance does not dry the laundry, the laundry remains wet.	Different kinds of laundry and thickness or to much load. The laundry is not properly sorted by type and thickness. Appliance is placed in unsuitable placed (to cold, to small place) # Proper machine maintenance according to the instructions (filter cleaning).	Thermostat. Air flow. Heater. Fan Control unit.
27	Too much foam.	Excessive dosing of the washing powder may be the reason for the excessive amount of foam in the appliance. In case the device detects too much foam in the appliance, the program stops for some time and continues after a certain elapsed time. # Reduce the dosage of the powder (pre-concentrated detergents). # Run self-cleaning program at least 2x, without additional cleaning agents.	

28	Washing program is longer than expected.	Low water temperature. Low power supply. Low water pressure. Pumping error. Incorrect drum load. Too much foam. # We recommended washing large and small pieces of laundry together.	Check the appliance.
29	Under the appliance is wet / water is leaking, dripping.	Repair is carried out by authorized Services.	Check the appliance.
30	The door of the tumble dryer cannot be shut / The doors do not close.	Repair is carried out by authorized Services.	The door. Door lock.
31	Traces of fabric, dirt on the laundry.	After each wash, some traces of fabric, dirt can remain in the inner side of the door seal. These residues can be partially decomposed in the next wash and leave traces on the laundry. # After each wash, the door seal must be cleaned, as shown in the user manual. # Clean the groove of the door seal. # Launch a short program without laundry. # Self-cleaning program must be run. # Clean filter. # Appropriate temperature selection. # The appropriate sorting of the laundry regarding the color and fabric. # Turn the delicate laundry outwards.	Dirt in JET pipe. Door seal. A foreign object in tube. Inlet hose filter. Drum.
32	The device does not rotate or does not turn / rotate the drum.	# Check if the door is closed.	Belt. Motor.
33	Foam in the soap dispenser, |a lot of foam.	# Correct dosing of the powder according to the dirt and quantity of laundry. # Reduce the dosage of the powder (pre-concentrated detergents). # Run self-cleaning program at least 2x, without additional cleaning agents.	
34	The appliance does not start, the display flashes.	# Check if the door is closed. # Check if the water supply valve is open. # Press the Start / Pause button.	
35	The appliance stopped working during program.	In case the device detects too much foam in the appliance, the program stops for some time and continues after a certain elapsed time. If the appliance stops and the display flashes during operation. # Press the Start / Pause button. # Check if the door is closed. # Observe the amount of dosing of the powder and softener written by the manufacturer.	
36	After washing the detergent / washing powder residue in the soap dispenser drawer.	# Follow the instructions for use to maintain the machine. # Check that you have set the locking position for the liquid or hard powder correctly. # Check if the inlet hose is clogged.	Inlet hose. Valves. Detergent dispenser.

WIFI connection problem

Error	Problem	Cause or remedy
1	The status of the WIIF indicator on the device side	1. The WiFi indicator does not light up, which means that the WiFi module is turned off, please follow the network configuration guide to operate; 2. The WiFi indicator only flashes slowly, and it cannot be flashed quickly through network configuration, and the hardware needs to bechecked; 3. The WiFi indicator flashes rapidly, which means that there are network configuration conditions, please follow the network configuration guide for the next step; 4. When the WiFi module is turned on, it flashes slowly for a while and then goes off, and the connection fails, so you need to check the router.
2	The device cannot be scanned all the time	1.Confirm whether the Bluetooth permission of the mobile phone is turned on and close to the device (it is recommended to be less than 1 meter); 2 . Please unplug the power socket of the equipment and reconnect it to the power supply; 3Re-scan the SN code or manually enter the SN code in the APP to add the device interface; 4.Press the network configuration guide to reactivate the equipment network configuration status, at this moment the WIIF indicator should be flashing, the window screen shows "BON", otherwise reactivate the configuration network; 5.There is no problem with the above operation, or the device cannot be scanned, please find the hardware problem of the WIIF module;
3	Scan code prompts not recognized	1. Add the device scanning interface in the APP, click on the right side? Help, check whether the SN position of the scanned code is accurate and whether it is 23 bits; 2. Click below to manually enter the SN code, and reactivate the device configuration status according to the network configurationguidance; 3. There is no problem with the above operation, or the prompt scanning code is not recognized, please feedback this SN to the washing machine intelligent platform;
4	The configuration network binding prompt failed	1. Please check whether the entered WIFI password is correct; 2.Please check whether the network environment at home is normal, if the network is detected to be poor, please restart the router; 3.Please confirm whether the router is set up with a whitelist, and add the MAC address of the device to the whitelist; 4.There is no problem with the above operation, or the binding fails, please find the hardware problem of the WIIF module;
5	The APP cannot start the device	1.Please check whether the small phone icon on the device is lit, if not, please check the manual, press the guide to start the remote control function; 2.Please check whether the router is working normally to ensure that the mobile phone can access the web page normally when connected to the router; 3.Please confirm whether you have changed the router password, or replace the new router, you can try to reconfigure the network binding; 4.Check whether the WIFI indicator on the device is always on, if not, you can try to reconfigure the network binding; 5.There is no problem with the above operation, or the APP cannot start the device, please find the hardware problem of the WIIF module;
6	The device is bound and offline	1. Check whether the device is powered on and turned on; 2. Please check whether the router is working normally to ensure that the mobile phone can access the web page normally when connected to the router; 3. Please confirm whether you have changed the router password, or replace the new router, you can try to reconfigure the network binding; 4. Check whether the WIFI indicator on the device is always on, if not, you can try to reconfigure the network binding; 5. There is no problem with the above operation, or the offline status is displayed, please find the hardware problem of the WIIFmodule;

9.3 TROUBLESHOOTING WITH ERROR

WATER INLET ERROR

Is F01 displayed?

Yes

Is filter inlet valve clogged with foreign material? **Yes** → Clean or replace the filter.

No

Is the connector connected to inlet valve disconnected or disassembled? **Yes** → Reconnect or repair the connector.

No

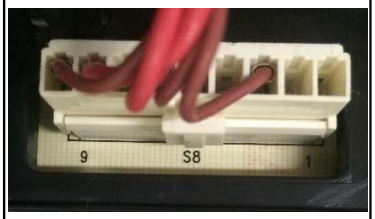
Is resistance between each terminal of inlet valve 3.79-3.85 kΩ？（Refer to 10-5 inlet valve） **Yes** → Replace the inlet valve

No

Is the voltage of the inlet valve connector 220-240 V?(while the power is on) **Yes** → Replace the

No

Is the connector connected to PCB disconnected or dis-assembled? **Yes** → Reconnect or repair the connector.



No

Is Electrical connection correct? (Refer to 10-5) **No** → Replace the main harness

Yes

Is the water level frequency below 41.8 kHz? (Refer to 8-2) **No** → Replace the FWL sensor

Yes

Replace the PCB

[Note] Environmental safety check list

1)No water tap leakage
2)No water tap freeze
3)No entanglement of water supply hose
4)No water shortage
5)No shrinkage on water supply hose due to a possible misuse of hot and cold water
6)No water supply hose leakage

DRAIN ERROR

Is F03 displayed?

Yes

Is the connector connected to pump disconnected or disassembled?

Yes → Reconnect or repair the connector.

No

Is the water level frequency below 42.15 kHz? (Refer to 8-2)

Yes → Check the air chamber,the tube, and press switch

No

Is the coil of the drain pump too high or low? (resistance of the coil is 162-191) (Refer to 10-4)

Yes → Replace the drain pump

No

Is the voltage between connectors out of range? After remove Terminal Position Assurance (TPA) of connector, check as follows:

Yes → Replace the PCB

- Pump running: 220-240V±5%
- Stopped Motor/Pump: 0~1V Method Select "Spin" program run, the pump start work

[Note] Environmental safety check list

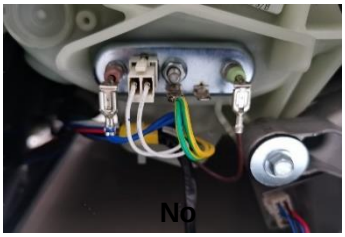
1) The drainage hose must not stay in a lower position.
2) The drainage hose must not be bent or clogged in any way due to the surrounding physical configuration.
3) The drainage hose must not get frozen at all times.
4) The drainage pump must not have any improper substance or material inside that may cause a machine breakdown.

HEATING ERROR

Is F04 displayed?

Yes

Is the connector connected to heater disconnected or disassembled? — Yes → Reconnect or repair the connector



No

No

Is Check heater resistance out of range? (24.2-26.8 Ω) (Refer to 9-6) — Yes → Replace the heater

No

Is the voltage of the heater connector 220-240 V? (while the power is on) — Yes → Replace the PCB

No

Is Electrical connection correct? (Refer to 10-6) — No → Replace the main harness

Yes

Is the connector connected to PCB disconnected or dis-assembled? — Yes → Reconnect or repair the connector

No

Replace the PCB

[Note] Environmental safety check list

Chances that the cause occurs from the main controller are very little. Sensing part of the circuit (tE) consists of only resistors and capacitors.

DOOR LOCK ERROR

Is F13 displayed?

Yes

Is the connector connected to door lock or PCB disconnected? — Yes → Reconnect or repair the connector.

No

Does the spring of latch hook actuate? — Yes → Replace Door Assembly

No

Is the voltage of the heate connector 220-240 V when the start/pause button is pressed to start the cycle? — Yes → Replace the PCB

No

Is door lock broken? — No → Replace the door lock

[Note] Environmental safety check list

1) The machine must operate with all the doors completely closed and locked.

2) The washing area must operate with a water temperature not higher than 50℃ and must not have more amount of supplied water than it should.

MOTOR ERROR

if display F22

yes

Check the connectors below. is the connector disconnected or disassemled?

1 brown +L connected
3 blue +N connected
7 black +PE connected
5 yellow + DATA connected
9 red + VCC connected
10 white + GND connected

No → reconnect the connector or replace the wiring harness

yes

power on the machine, use a multimeter to measure 1 and 3 and check if there is power

NO → replace PCB

yes

replace the motor, start up the machine for 30s, to check if there is the alarm

No → finish

Yes

replace PCB

if display F06

yes

To check if the clothes get caught between the door gaseket and the drum,or the door is squeezed by clothes in the drum

yes → Have the laundry distributed evenly by hand and resume operation

NO

Check the connectors between PCB and Motor is loose → reconnect the connector

NO

Restart the machine, check if the motor is powered on and if there is a power in the drive board of inverter

If PCB is ok

NO → replace PCB

yes

Whether the three-phase resistance value of the motor is uniform

yes → replace the motor

Step 4

Record the current state of the machine (amount of clothing, water level height), then restart the machine, if the water is discharged, add water manually to the record state, and observe whether there is weak startup or shaking during startup

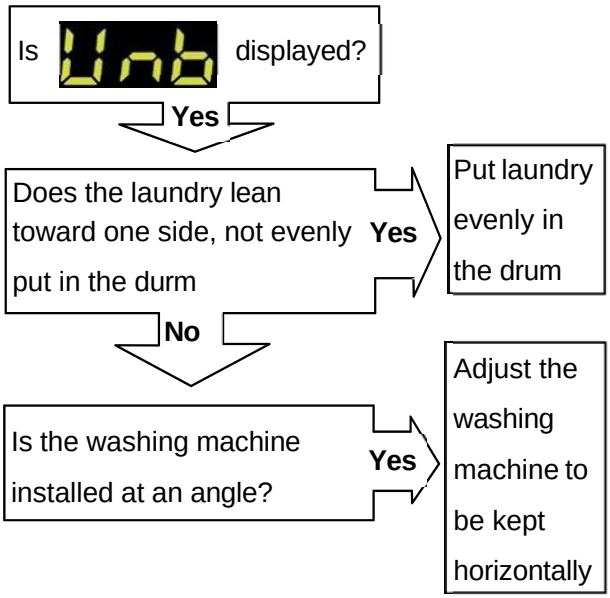
If there is slipping of belt

yes → Repla-ce the belt

NO → replace the motor

During the motor operation, the uneven distribution of clothes may lead to abnormal motor operation, which belongs to normal protection

UNBALANCE ERROR

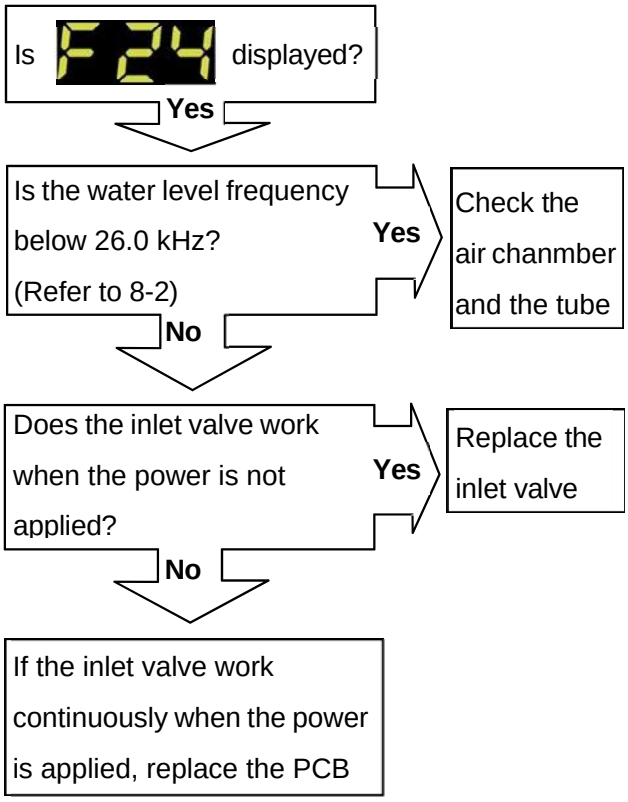


[Note] Environmental check list

1) Removal of transportation-based fixed bolt.

2) Confirmation on the material to see if it is capable of handling two different types of blanket materials.

OVERFLOW ERROR



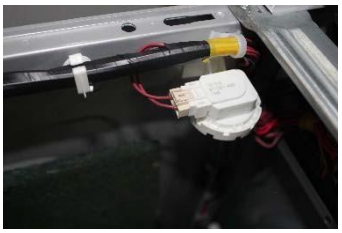
FWL SENSOR ERROR

Is  displayed?

Yes

Is the connector connected to FWL sensor disconnected or disassembled?

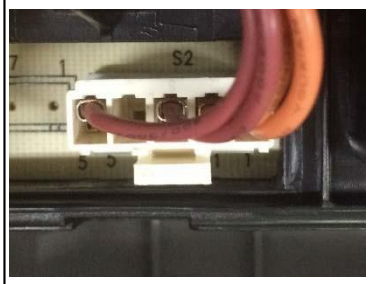
Yes → Reconnect or repair the connector



No

Is the voltage of the FWL sensor 5VDC?

Yes → Replace the FWL sensor



No

Is the air chamber and the tube clogged?

Yes → Fix the air chamber and remove the foreign material

No

Replace the PCB

WIFI SENSOR ERROR

Follow the instructions for network distribution.If successful the WIFI icon will be always on.

Yes → Follow the instructions to continue

No

1. Is there a problem with the network
2. Is the device barcode correct

Yes → Repeat the first step after the network is confirmed correct

No

Check whether the mobile phone can search for the hospot and Bluetooth of the WIFI module(Try a few more times)

Yes → The hardware is normal, repeat the search for the hotspot first step according to the instructions

No

Replace the display board

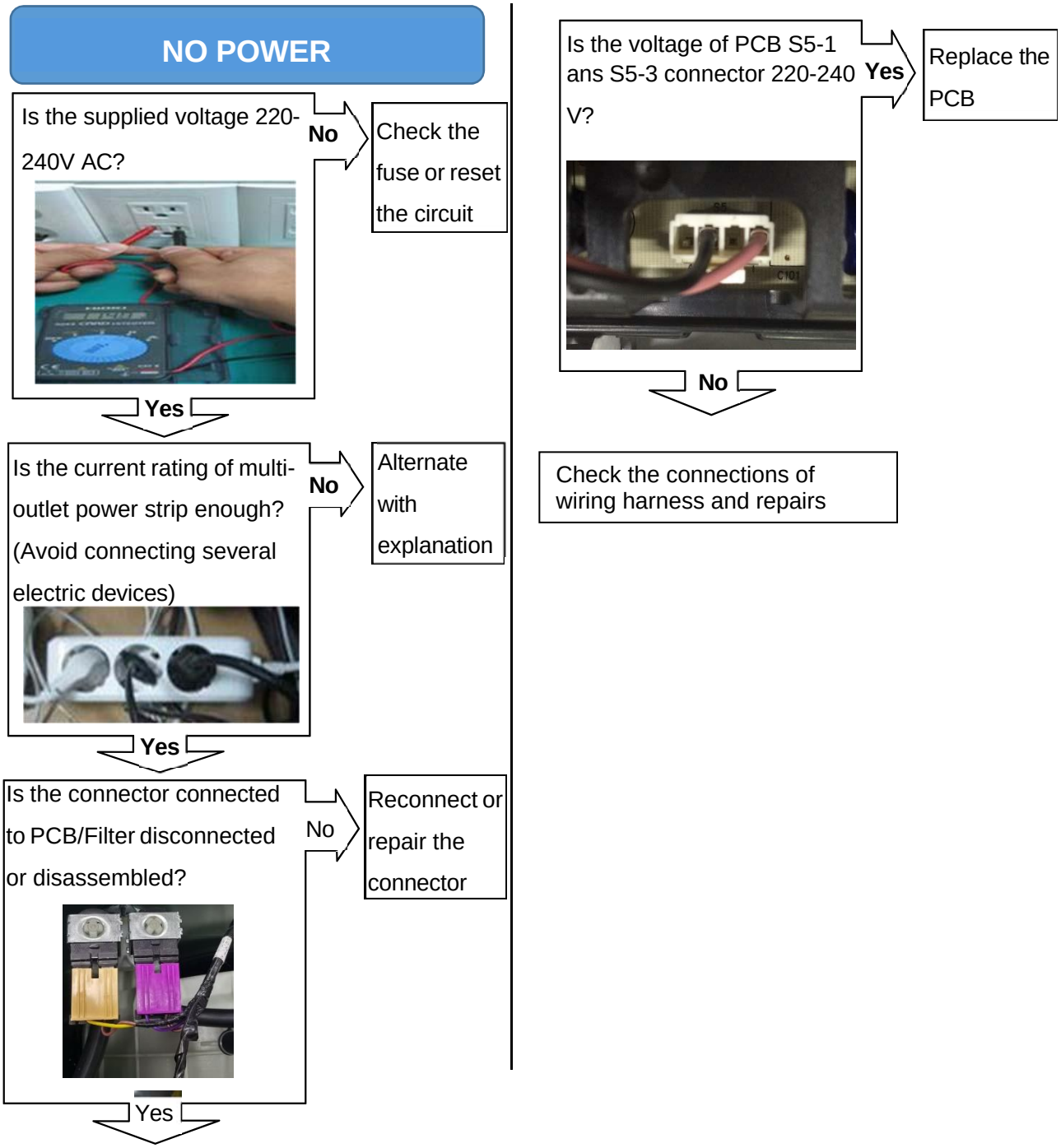
9.4 TROUBLE SHOOTING ELSE

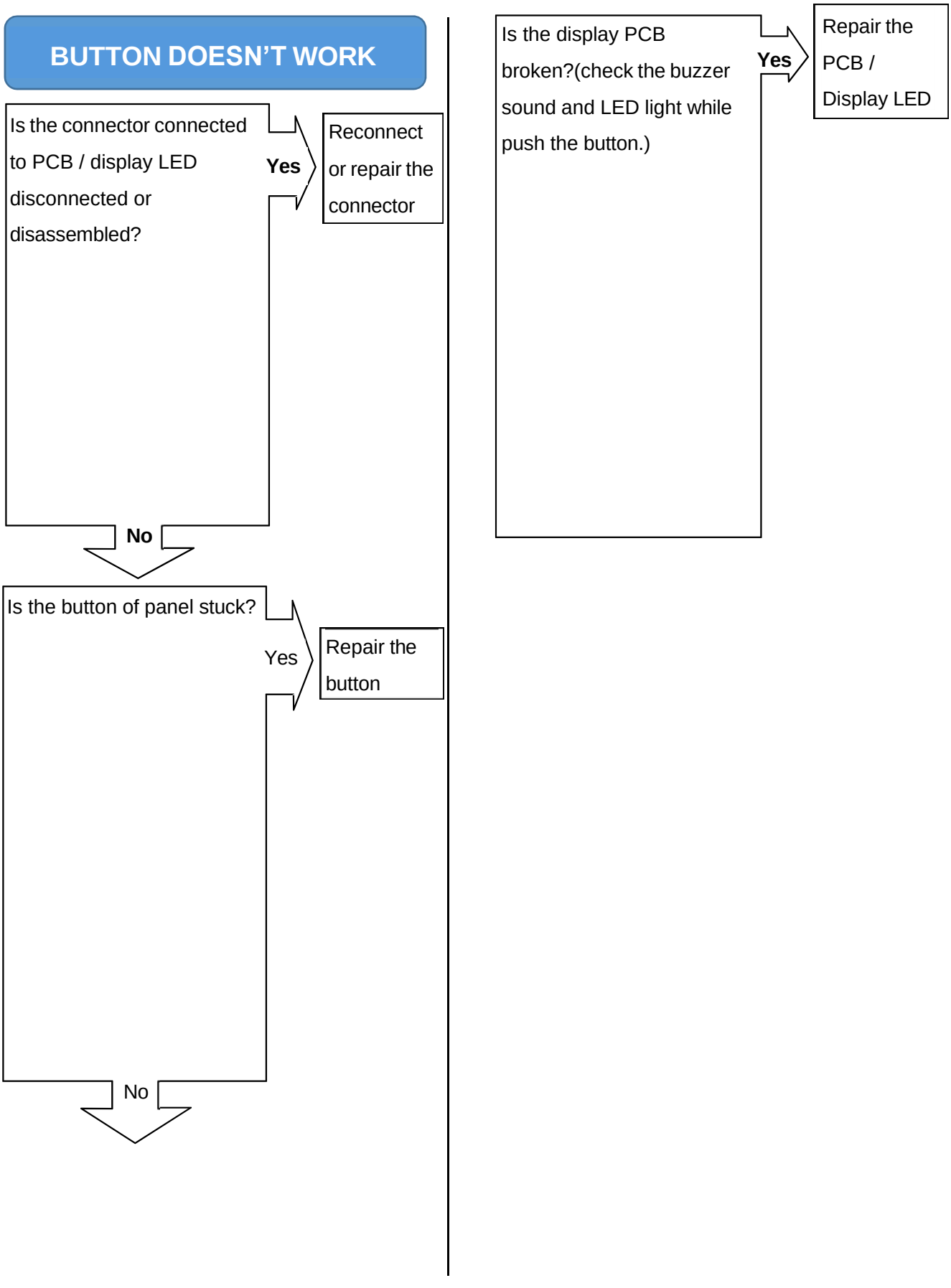
CAUTION：

1. Be careful of electric shock if disconnecting parts while troubleshooting.

2. First of all, check the connection of each electrical terminal with the wiring diagram.

3. If you replace the MAIN PWB ASSEMBLY, reinsert the connectors correctly.



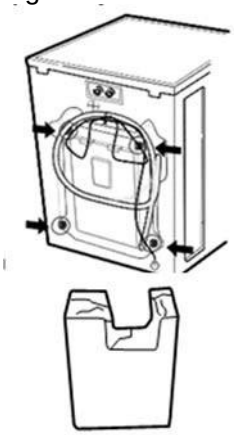

BUTTON DOESN'T WORK
Is the connector connected to PCB / display LED disconnected or disassembled?
Yes
Reconnect or repair the connector
No
Is the button of panel stuck?
Yes
Repair the button
No
Is the display PCB broken?(check the buzzer sound and LED light while push the button.)
Yes
Repair the PCB / Display LED

VIBRATION & NOISE IN SPIN

Have all the transit bolts and packing been removed?

No

Remove the transit bolts and Base packing



Base packing

Yes

Is the washer installed on a solidly constructed floor?

No

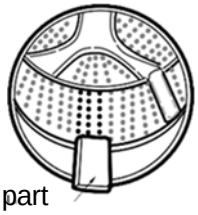
Move the washer or reinforce the floor.

Yes

Check if the washer is perfectly level as follows:

1. Check the leveling of the washer with a level and check that the washer is stable.

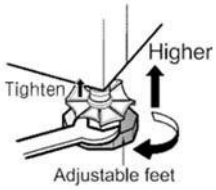
2. Put an rubber unbalance part (or 2 to 3 kg) inside of drum and run in high spin. When the machine is spinning in high speed, verify that it is stable.

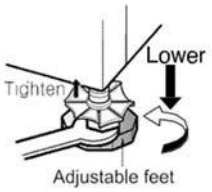


unbalance part

No

If it is not stable, adjust feet accordingly. After the washer is level, tighten the lock nuts up against of the base of the washer. All lock nuts must be tightened.

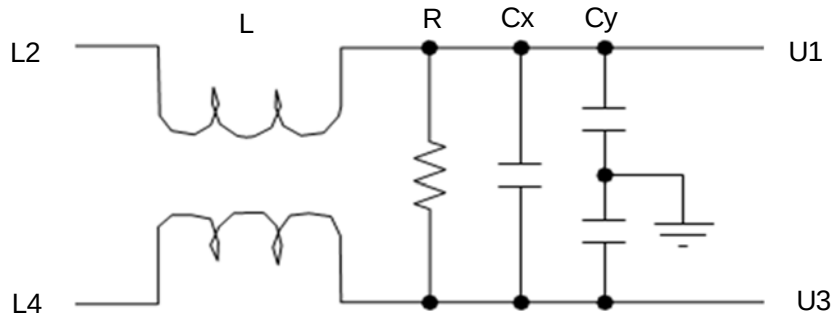
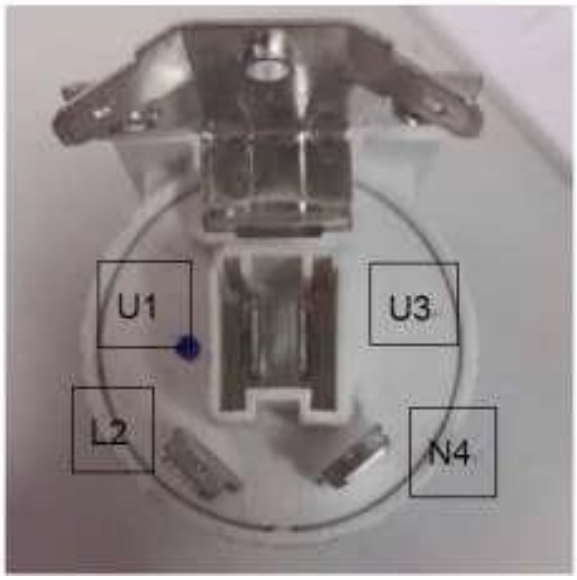




10. Component Test Information

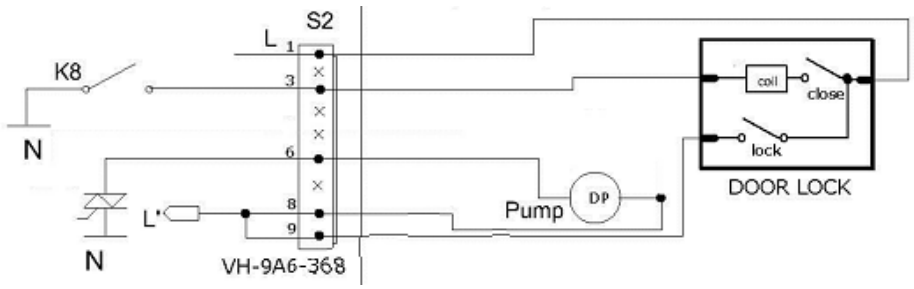
CAUTION: When checking resistance (Ohm) of the Component, be sure to turn the power off, and perform a sufficient voltage discharge.

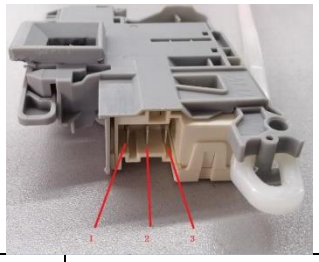
10.1 FILTER

<table>
<tr>
<td>Wiring diagram</td>
<td>Circuit in the PCB / Wiring Diagram
 
</td>
</tr>
<tr>
<td>Test points and result</td>
<td> 

<table>
<tr><th>Test Points</th><th>Result</th><th>Remarks</th></tr>
<tr><td>L2-U1</td><td>0Ω</td><td></td></tr>
<tr><td>L2-U3</td><td>680KΩ</td><td></td></tr>
<tr><td>N4-U1</td><td>680KΩ</td><td></td></tr>
<tr><td>N4-U3</td><td>0Ω</td><td></td></tr>
</table></td>
</tr>
</table>

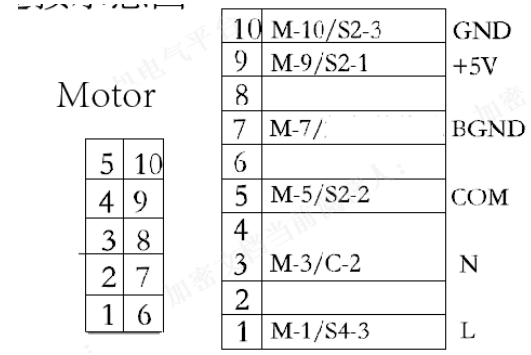
10.2 DOOR LOCK

<table>
<tr><td>Wiring diagram</td><td> 

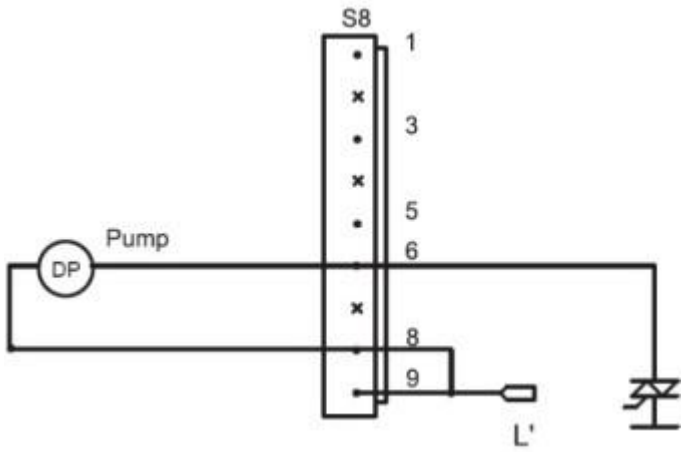
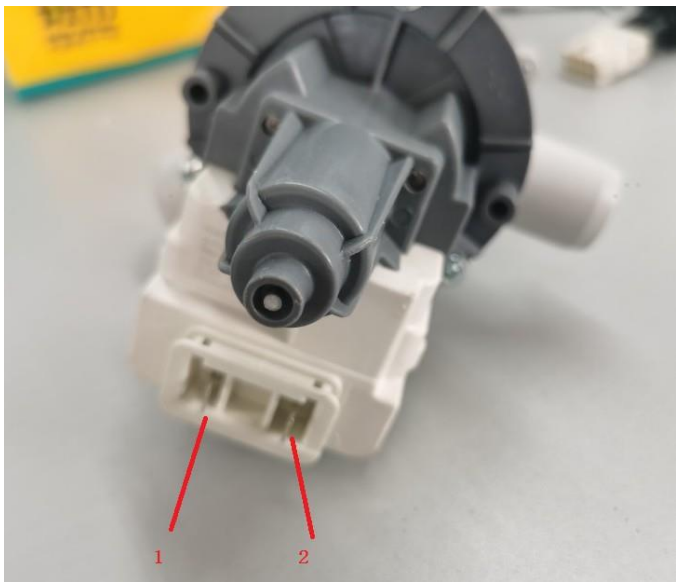
Circuit in the PCB / Wiring Diagram</td></tr>
<tr><td>Function</td><td>1. Door lock:
After press down the “Start/pause” key, the MCU will send out an order to close the door, the MCU controls the door locks L and N to connect.
2. Door unlock:
After the washing program ends, the MCU sends out an order of unlocking, the SCR controls the door locks L and N to connect.</td></tr>
<tr><td>Test points and result</td><td> 

<table>
<tr><th>Test Points</th><th>Result</th><th>Remarks</th></tr>
<tr><td>1-2</td><td>0Ω</td><td></td></tr>
<tr><td>2-3</td><td>195 Ω</td><td>At 77°F (25°C)</td></tr>
<tr><td>1-3</td><td>220-240V</td><td>Voltage Input</td></tr>
</table></td></tr>
</table>

10.3 MOTOR

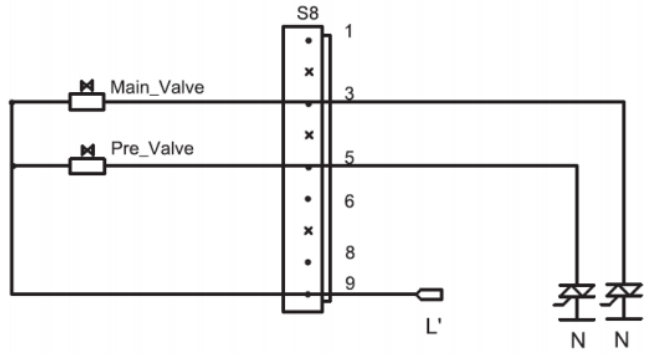
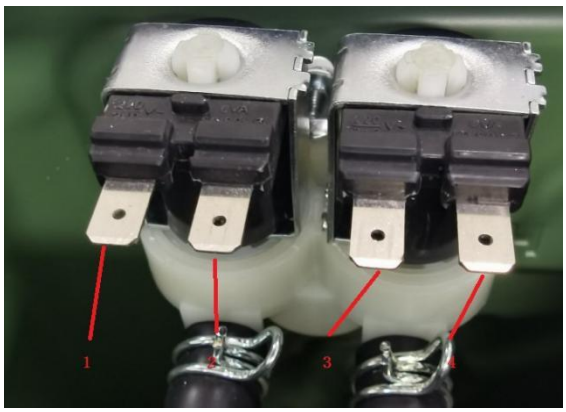
Wiring diagram	 Circuit in the PCB / Wiring Diagram
Function	The PCB controls the motor to perform batch operations clockwise and counter clockwise at a constant frequency to rotate the drum through the pulley for washing.
Test points and result	the relationship between the line and the PCB 1 – Brown – L connected 3 – Blue – N connected 7 – Black – PE connected 5 – Yellow – DATA connected 9 – Red – VCC connected 10 – White – GND connected

10.4 Pump

<table>
<tr><td>Wiring diagram</td><td>Circuit in the PCB / Wiring Diagram
 
</td></tr>
<tr><td>Function</td><td>The pump are used to drain the tub and to circulate the water</td></tr>
<tr><td>Test points and result</td><td> 

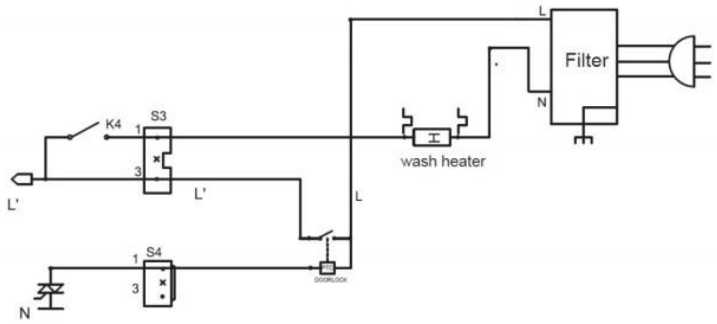
<table>
<tr><th>Test points</th><th>Result</th><th>Remarks</th></tr>
<tr><td>1-2</td><td>325±10% Ω</td><td></td></tr>
</table></td></tr>
</table>

10.5 INLET VALVE

<table>
<tr><td>Wiring diagram</td><td>Circuit in the PCB / Wiring Diagram
 
</td></tr>
<tr><td>Function</td><td>The PCB turns on the pre-valve and main valve according to the program settings, and also fills the tub with water to reach the set water level.</td></tr>
<tr><td>Test points and result</td><td> 

<table>
<tr><th>Test points</th><th>Result</th><th>Remarks</th></tr>
<tr><td>1-2</td><td>3.82±10%KΩ</td><td>Pre_Valve</td></tr>
<tr><td>3-4</td><td>3.82±10%KΩ</td><td>Main_Valve</td></tr>
</table></td></tr>
</table>

10.6 Heater

<table>
<tr><td>Wiring diagram</td><td>Circuit in the PCB / Wiring Diagram
 
</td></tr>
<tr><td>Function</td><td>The wash heater is designed to raise the wash water to the desired temperature selection during certain wash cycles.</td></tr>
<tr><td>Test points and result</td><td> 

<table>
<tr><th>Test points</th><th>Result</th><th>Remarks</th></tr>
<tr><td>1-2</td><td>25.5±5%Ω</td><td></td></tr>
</table></td></tr>
</table>

11 Disassembly Instruction

※ Be sure to unplug the machine before disassembling and repairing the parts.

11.1 CONTROL PANEL ASM

1.Remove two screws from topwork

2.Remove two screws from control panel

3. Press here and pull out the dispenser

4.Remove three screws from soap box

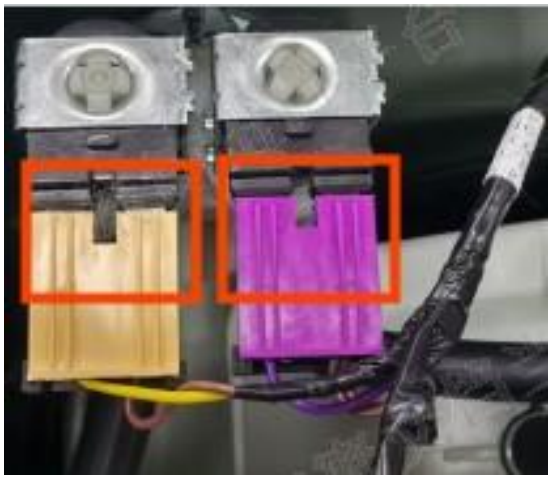
5.Unplug terminals from PCB

6.Remove PCB

7.Remove knob from PCB

8. Press buckles and remove PCB

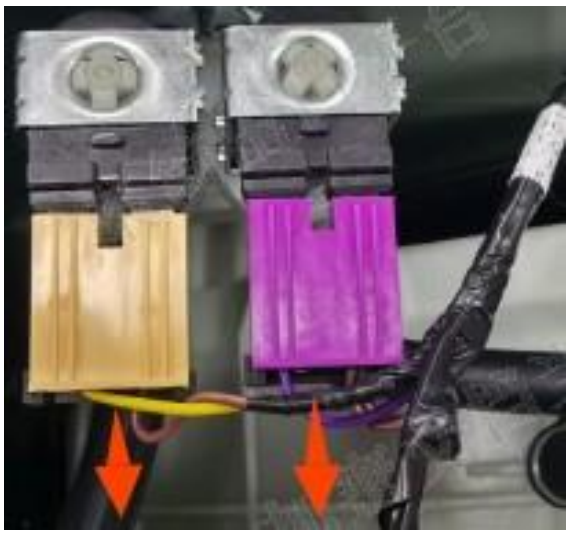
11.2 Dispenser ASM



1.Remove worktop, release latches on hoses and remove them

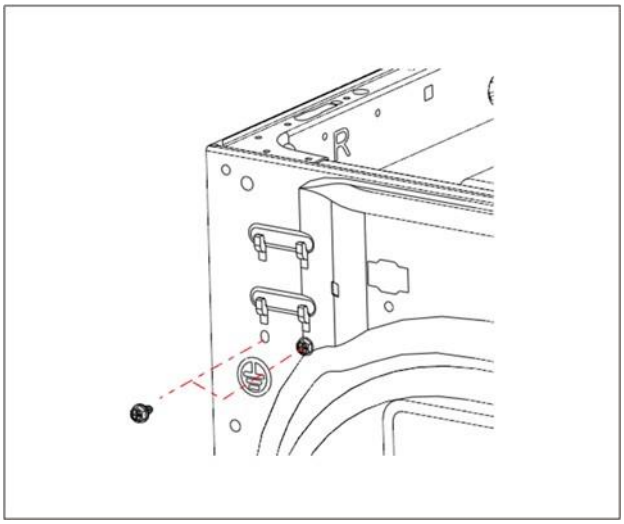
2.Unscrew the discharge hose and remove 2 screws

3.Remove connectors on valves.

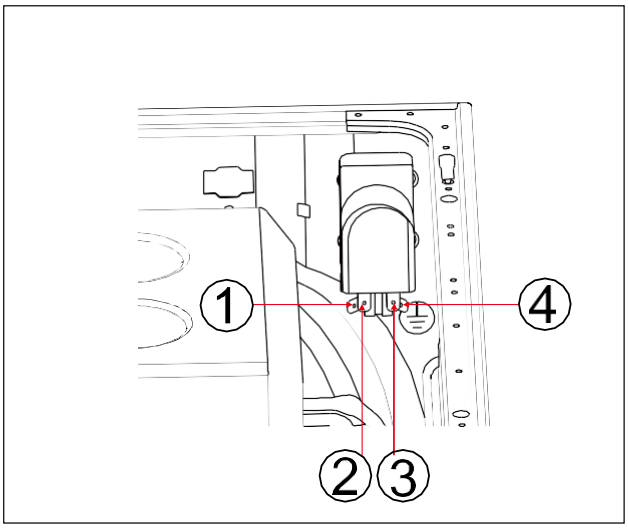


4.Remove and replace valves.

11.3 EMC FILTER

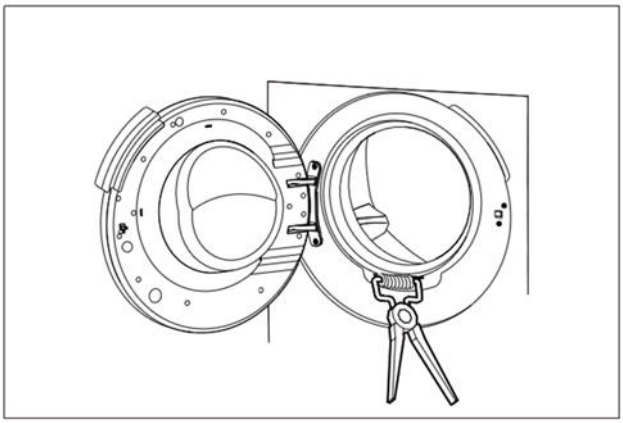


1. Unscrew 2 screws as shown

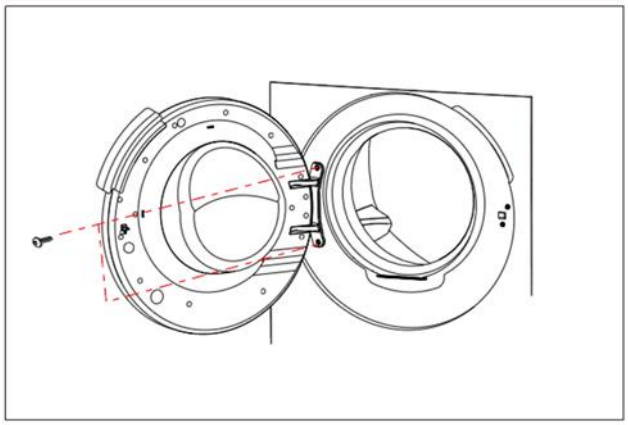


2. Disconnect the filter connector from main harness as ①②③④ shown

11.4 DOOR ASM



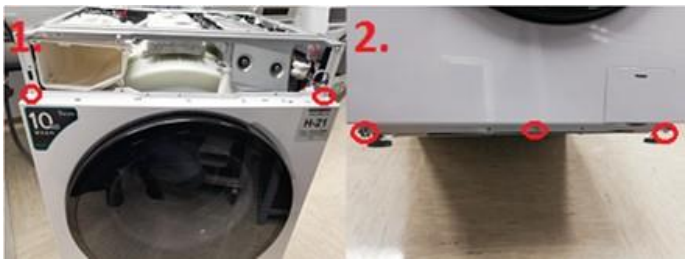
1. Open the door
2. Disassemble retainer-bellow as shown



3. Unscrew 2 screws as shown, Disassemble the door ASM

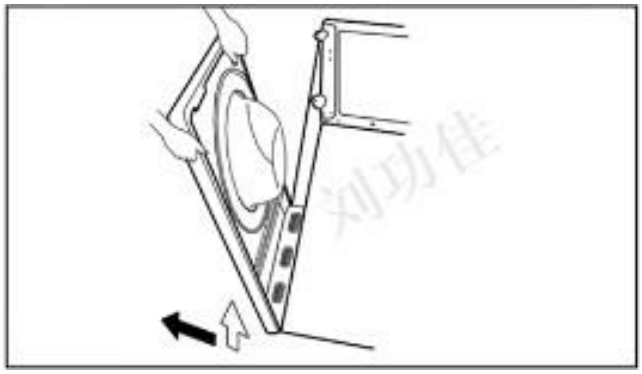
11.5 FRONT PANEL

Remove the worktop,front panel and control panel then:



1.Remove 2 screws on front panel

2.Remove 3 screws on the bottom of front panel



3.Remove door lock

4.Remove door sealing

5.Lift up the front panel,to remove them from latches.

.

6.Remove and change the front panel.

11.6 DRAINING PUMP

First remove the front panel and then:

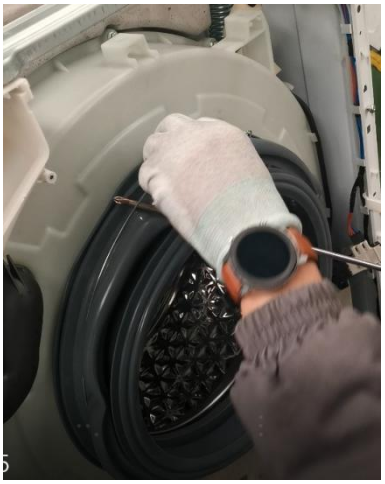
1.Remove 4 screws,which are attaching the pump.

2.Release latches on hoses.

3.Release connector on pump.

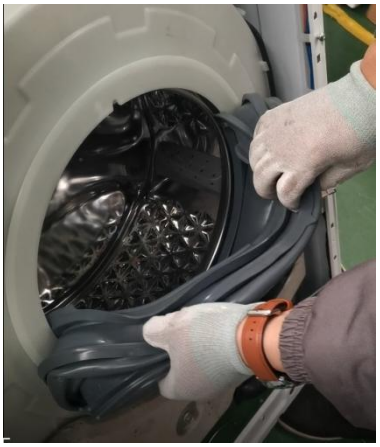
4.Remove and replace the pump.

11.7 DOOR SEAL REPLACEMENT



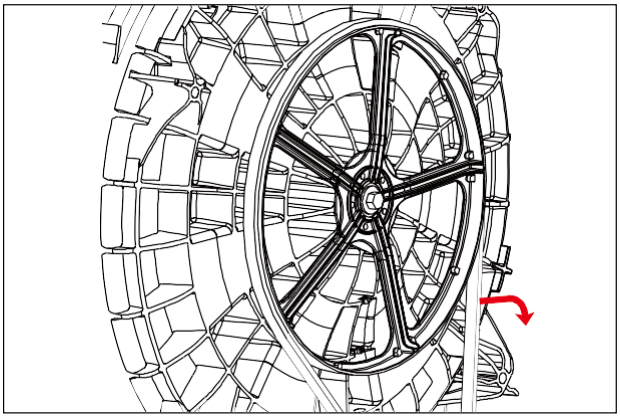
Remove the worktop,front panel and control panel then:

1.Release clamp

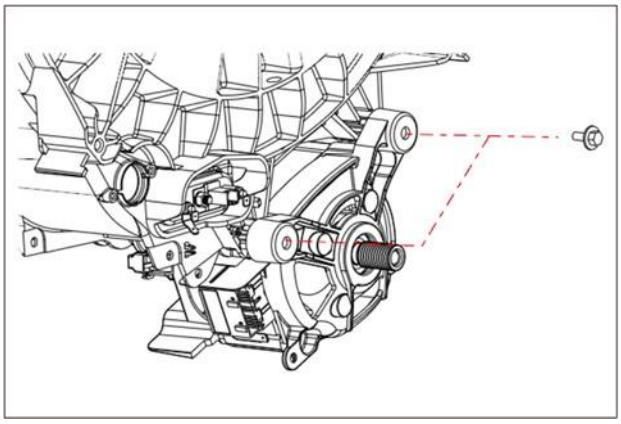


2.Remove and replace the door sealing

11.8 MOTOR

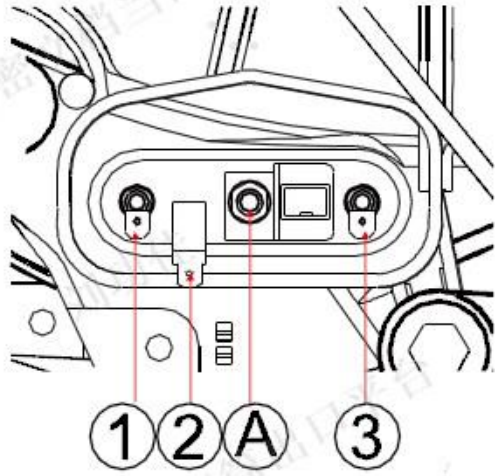


1.Disassemble the belt as shown

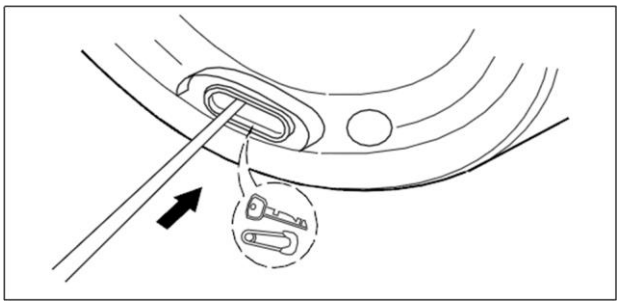


2.Unscrew 2 crews as shown,disassemble the motor.

11.9 HEATER



1. Disassemble the rear panel
2. Disconnect the heater connector from main harness as ①②③ shown
3. Unscrew 3 crews as “A” shown

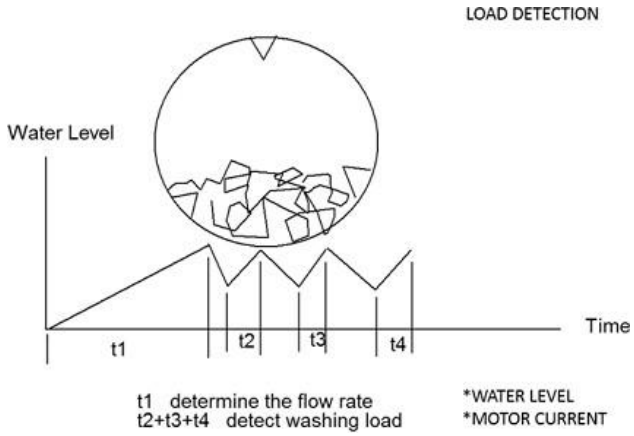


4.When foreign objects (wire, coin, etc.) is stuck between drum and tub, remove foreign objects by inserting a long bar in the opening.

12. WORKING OPERATION

Weight control sensing

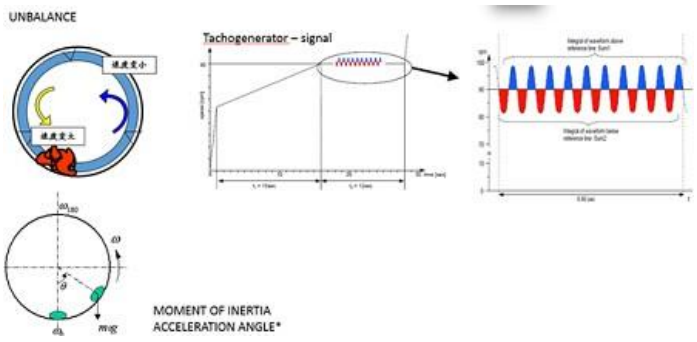
1. The load is detected by the method of changing the water level at a given time. Heavier the load, higher water level is needed.
2. With the help of motor - motor current, moment of inertia



Unbalanced laundry detection

The system detects and controls the imbalance of the laundry with the signal of a tachogenerator.

The unbalance of the cloth is related to the angular acceleration



Water level detection

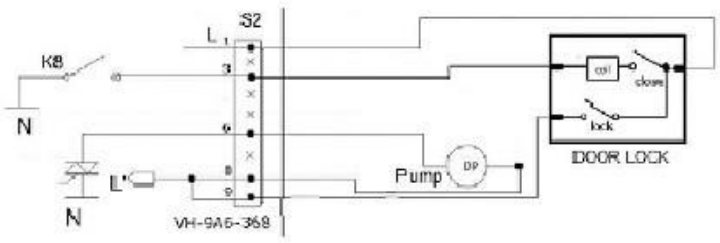
The device contains a WFL sensor, which is used to detect the water level. The water supply is controlled by the control unit and the WFL sensor. When the water dosage reaches the washing level, the dosage is finished, and the washing program starts.

In the event that the water level is not reached within a certain time, it will automatically repeat the water dosing process to reach the wash water level. If the water level is still not reached after the process, an error message is displayed.

Water pumping is controlled by the sensor wfl control unit and the pump. When the water is pumped to level 0, the spin process begins.

Door lock control

After starting the desired program or pressing the Start button, the control unit sends a signal to the door lock. It has closed the circuit of contacts L and N - the door is closed.



Circuit in the PCB / Wiring Diagram

Anti-foaming System

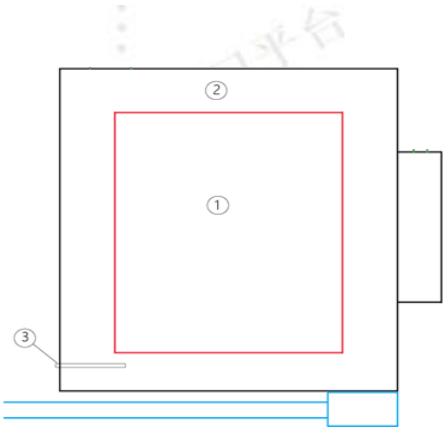
It senses excess foam with the help of motor, if the engine power is too high or if the engine reaches a certain value (does not reach the set speed), the anti-foam system is activated. This means additional water dosing is introduced to prevent foaming and control any excessive foam.

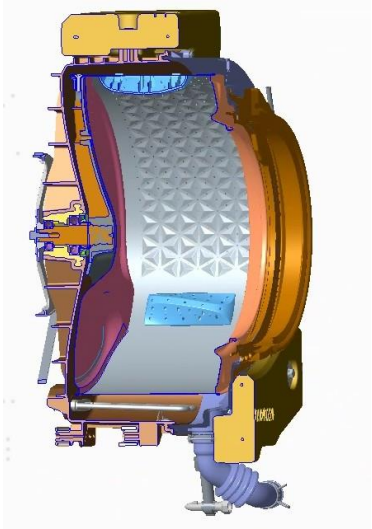
Steam Care

This technology implements the function of steam generation under precise water level control and temperature control by using the inner and outer cylinder spaces at the bottom of the drum washing machine and the heating pipe at the bottom. The purpose is to use the existing structural parts to realize the steam function at low cost.

Process Description

Before the appearance of steam, water is introduced through inlet valve and water level is maintained at a certain height under the control of high-precision water level sensor. Drum runs to shake clothes, then the heater starts to heat incoming water, which is controlled by temperature sensor. Heated water is kept in a certain temperature range and continuously producing steam. Rotation of drum directs the steam into the drum and passes through fabric fibres to achieve steam wash.





Wi-Fi connection

Enter the "Settings" interface on your smartphone or tablet PC, enable the Bluetooth and Wireless Connection, and connect to the wireless network

NOTE
This device can support the 2.4 GHz Wi-Fi

Download
in the APP store (Google Play Store ,Apple App Store) on your smartphone or tablet PC, find the ConnectLife app, download and install it.

NOTE
In order to improve performance and experience, the application may be updated without notification.

Log in
You need to log in to ConnectLife with your account first. If you do not have a ConnectLife account, you will need to create a new one, Please refer to the App Instructions for details

NOTE
If you already have a Google account, You can use your Google account to log in directly.

Device Binding

1.Open ConnectLife on your smartphone or tablet PC;
2. Bind your device on ConnectLife as follows:

A Click "Start here Add appllances" in "Home" page, or click "Add appllances" in 'Devlces" page,or click"+".
B Select "Washing Machine" or click"Scan SE/BAR code" or "Manual entry" below.
C Scan the SE/BÃR code on the device or enter the AUID/SN manually If you can not find it, click(?) for instructions.
D Click "SET UP APPLICATION"
E Read the instructions, operate the device into the Networking and Binding state, and click "NEXT"
F At this time, the app starts to search for devices, and you can select the device to

be connected to the network from the search list; If it is not found, check your bluetooth whether turn on. Bluetooth should be keep it on at all time. And then click "NEXT".
G.Select your home Wi-Fi, enter the password, Then click the "CONNECT". The appliance will start networking and binding.
H.After binding successfully, you can set the device name and room.
I .Now, the device can be control remotely by APP

NOTE

How to reset Wi-Fi and unbind all the binding relationship of the device:
1. Press the power key to start the device and make it connect to the network normally.
2. Press the last two keys simultaneously for 3 seconds, and the screen will display "C-b"
3. Shut down and restart the device to make a new binding.
4.,After unbinding, the device must be restarted, or the unbinding will fail. Unbunding will delete users information stored in appliance before.
5. How to exit the network distribution mode:
If you want to quit When screen display "bon" press " 

" simultaneously for 3 seconds ,you can turn off the appliance by press"  or wait for 5s minutes.