



website : <http://biz.lgservice.com>

WASHING MACHINE SERVICE MANUAL

CAUTION

READ THIS MANUAL CAREFULLY TO DIAGNOSE TROUBLE
CORRECTLY BEFORE OFFERING SERVICE.

MODEL :	WD-1016(0~9)S(U)P	WD-9016(0~9)S(U)P
	WD-1016(0~9)N(U)P	WD-9016(0~9)N(U)P
	WD-1016(0~9)T(U)P	WD-9016(0~9)T(U)P
	WD-8016(0~9)S(U)P	WD-6516(0~9)S(U)P
	WD-8016(0~9)N(U)P	WD-6516(0~9)N(U)P
	WD-8016(0~9)T(U)P	WD-6516(0~9)T(U)P



LG Electronics Inc.

CONTENTS

1. SPECIFICATION	3
2. FEATURES & TECHNICAL EXPLANATION	4
3. PARTS IDENTIFICATION	6
4. INSTALLATION	7
5. OPERATION	10
6. WIRING DIAGRAM/PROGRAM CHART	12
7. TROUBLESHOOTING	13
7-1.BEFORE PERFORMING SERVICE	13
7-2.TEST MODE	13
7-3.HOW TO KNOW THE WATER LEVEL FREQUENCY	13
7-4.ERROR DISPLAY	14
8. ERROR DIAGNOSIS AND CHECK LIST	16
8-1. DIAGNOSIS AND ANSWER FOR ABNORMAL OPERATION	16
8-2. FAULT DIAGNOSIS AND TROUBLESHOOTING	19
9. DISASSEMBLY INSTRUCTIONS	25
10. EXPLODED VIEW	32
10-1. THE EXPLODED VIEW OF CABINET ASSEMBLY	32
10-2. THE EXPLODED VIEW OF CONTROL PANEL & DISPENSER ASSEMBLY	33
10-3. THE EXPLODED VIEW OF DRUM & TUB ASSEMBLY	34
*APPENDIX (Replacement parts list)	35

1. SPECIFICATION

ITEM		WD-1016(0~9)S(U)P WD-8016(0~9)S(U)P	WD-1016(0~9)N(U)P WD-8016(0~9)N(U)P	WD-1016(0~9)T(U)P WD-8016(0~9)T(U)P
POWER SUPPLY		220-240V~, 50Hz		
PRODUCT WEIGHT		55kg	60kg	65kg
ELECTRICITY CONSUMPTION	WASHING	190W		
	SPIN (800rpm)	450W		
	DRAIN MOTOR	32W		
REVOLUTION SPEED	WASH HEATER	2100W		
	WASH	45rpm		
	SPIN	WD-8016(0~9)S(U)P/N(U)P/T(U)P	400/600/800rpm	
		WD-1016(0~9)S(U)P/N(U)P/T(U)P	400/800/1000rpm	
OPERATION WATER PRESSURE		0.3-10kgf/cm² (30-1000kPa)		
CONTROL TYPE		Electronic		
WASH CAPACITY		Synthetic(1.5), Delicate(1.0) Wool(1.0), Hand Wash(1.0) Quick 30(1.0)	Synthetic(1.7), Delicate(1.5) Wool(1.5), Handwash(1.5) Quick 30(1.5)	Synthetic(3.0), Delicate(2.0) Wool(2.0), Handwash(2.0) Quick 30(2.0)
DIMENSION		600mm(W)×360mm(D)×850mm(H)	600mm(W)×440mm(D)×850mm(H)	600mm(W)×550mm(D)×850mm(H)
WASH PROGRAM		Cotton, Synthetic, Delicate, Wool, Hand Wash		
OPTION		Rinse+Spin, Drain Pre Wash, Time Save, Rinse+, Crease Care		
DOOR SWITCH TYPE		Bi-Metal type		
WATER LEVEL		9 steps (by sensor)		
SENSING OF THE LAUNDRY AMOUNT		Adopted		
FUZZY LOGIC		Adopted		
ERROR DIAGNOSIS		7 items		
POWER AUTO OFF		Adopted		
CHILD LOCK		Adopted		

1. SPECIFICATION

ITEM		WD-1016(0~9)S(U)P WD-8016(0~9)S(U)P	WD-1016(0~9)N(U)P WD-8016(0~9)N(U)P	WD-8016(0~9)T(U)P WD-6516(0~9)T(U)P	WD-1016(0~9)T(U)P WD-9016(0~9)T(U)P
POWER SUPPLY		220-240V~, 50Hz			
PRODUCT WEIGHT		55kg	60kg	65kg	
ELECTRICITY CONSUMPTION	WASHING	190W			
	SPIN (800rpm)	450W			
	DRAIN MOTOR	32W			
	WASH HEATER	1900W		2000W	2100W
REVOLUTION SPEED	WASH	45rpm			
	SPIN	WD-6516(0~9)S(N)(T)(U)P	400 / 500 / 600 / 650rpm		
		WD-8016(0~9)S(N)(T)(U)P	400 / 500 / 600 / 800rpm		
		WD-9016(0~9)S(N)(T)(U)P	400 / 600 / 800 / 900rpm		
		WD-1016(0~9)S(N)(T)(U)P	400 / 600 / 800 / 1000rpm		
OPERATION WATER PRESSURE		0.3-10kgf / cm² (30-1000kPa)			
CONTROL TYPE		Electronic			
WASH CAPACITY					
		Synthetic(1.5), Delicate(1.0)	Synthetic(1.7), Delicate(1.5)	Synthetic(2.0), Delicate(2.0)	Synthetic(3.0), Delicate(2.0)
		Wool(1.0), Hand Wash(1.0)	Wool(1.5), Handwash(1.5)	Wool(2.0), Handwash(2.0)	Wool(2.0), Handwash(2.0)
		Quick 30(1.0)	Quick 30(1.5)	Quick 30(2.0)	Quick 30(2.0)
DIMENSION [(W)mm X (D)mm X (H)mm]		600 X 360 X 850	600 X 440 X 850	600 X 550 X 850	600 X 550 X 850
WASH PROGRAM		Cotton, Synthetic, Delicate, Wool, Hand Wash			
OPTION		Time Save, Rinse +, Pre-Wash, Crease Care,Rinse+Spin,Drain			
DOOR SWITCH TYPE		Bi-Metal type			
WATER LEVEL		9 steps (by sensor)			
SENSING OF THE LAUNDRY AMOUNT		Adopted			
FUZZY LOGIC		Adopted			
DISPLAY OF THE REMAINING TIME		Adopted			
ERROR DIAGNOSIS		7 items			
POWER AUTO OFF		Adopted			
CHILD LOCK		Adopted			

2. FEATURES & TECHNICAL EXPLANATION

2-1.FEATURES



■ Jumbo drum

LG's jumbo drum can wash about 40% more per load than conventional washing machine. A bigger drum improves the wash performance.



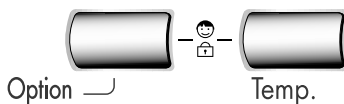
■ Protection against wrinkles

With the alternate rotation of the drum, wrinkling in the laundry is minimized.



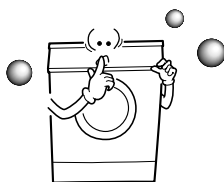
■ More economical by Fuzzy Logic System

FUZZY Logic System detects the amount of load and water temperature, and then determines the optimum water level and washing time to minimize energy and water consumption.



■ Child-Lock

The Child-Lock system has been developed to prevent children from pressing any button (except Power button) to change the program during operation.

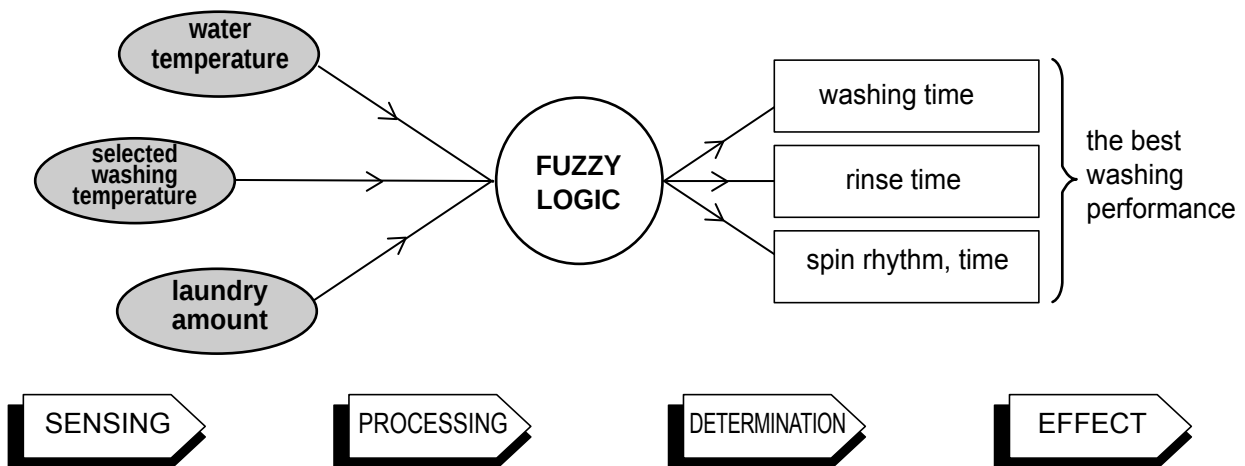


■ Low noise speed control system

By sensing the amount of load and balance, automatical distributes load evenly to minimize the spinning noise level.

2-2.DETERMINE WASHING TIME BY FUZZY LOGIC

To get the best washing performance optimal time is determined by sensing of water temperature, selected washing temperature and laundry amount.



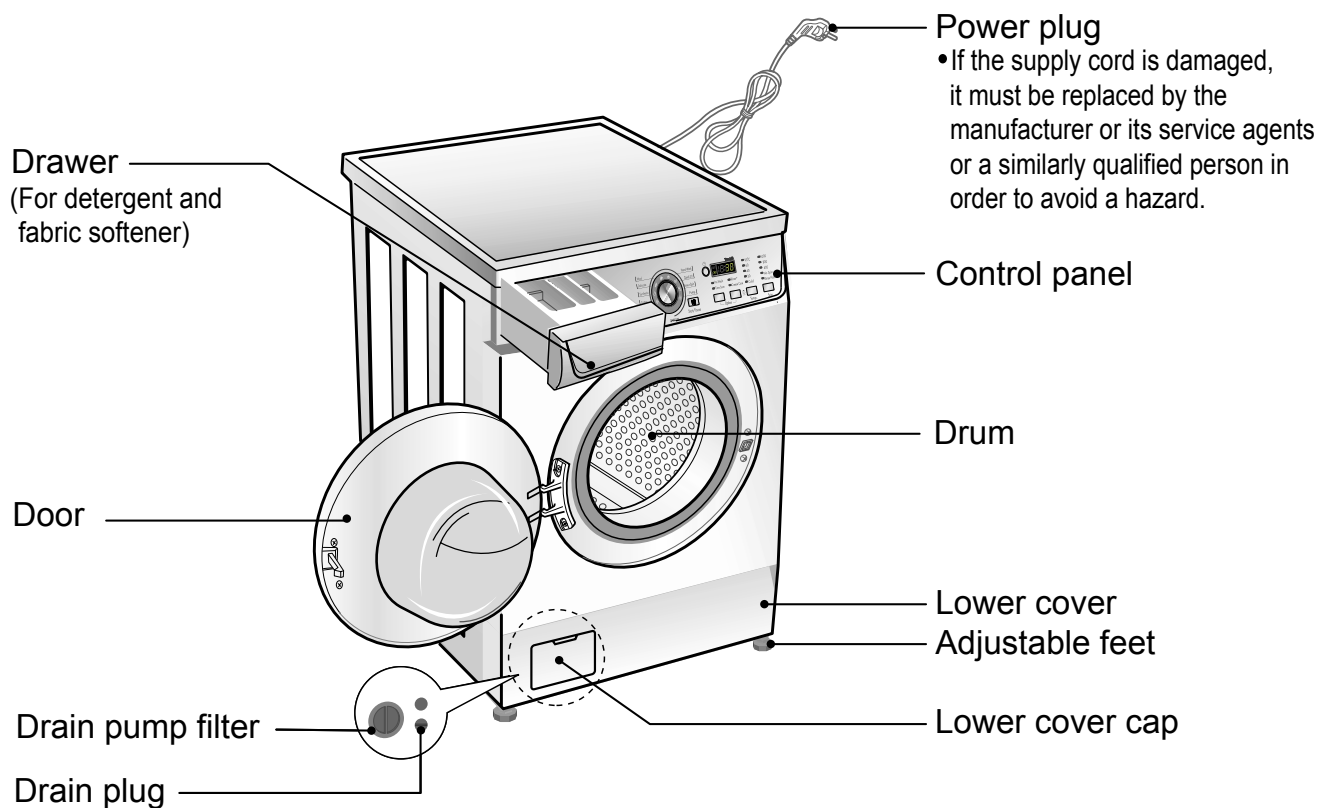
2-3.WATER LEVEL CONTROL

- This model adopts a pressure sensor which can sense the water level in the tub.
- When the water level reaches to the preset level the water supply is stopped, then the washing program proceeds.
- Spinning does not proceed until the water in the tub reduces a certain level.

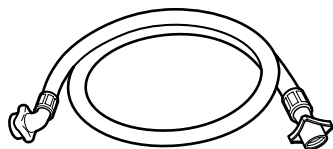
2-4.THE DOOR CAN NOT BE OPENED

- While program is operating.

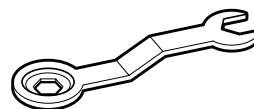
3. PARTS IDENTIFICATION



■ ACCESSORIES



Cold (1EA)
※ Option : Hot / Cold (2EA)



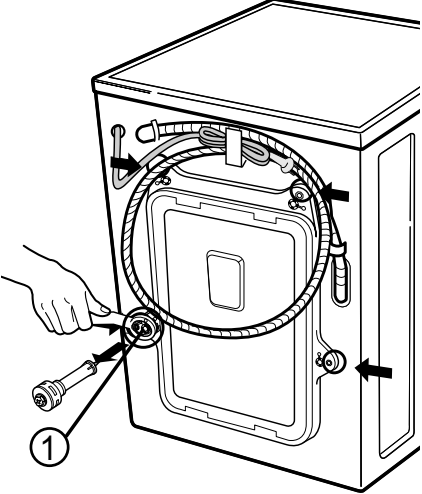
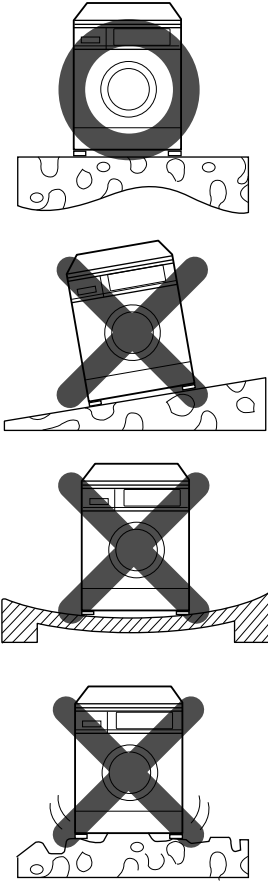
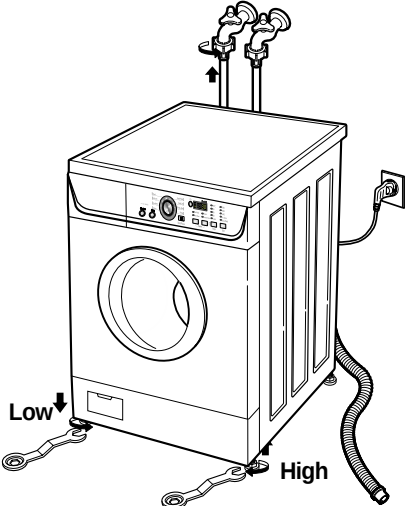
Wrench

4. INSTALLATION

- ① Before servicing ask the customer what the trouble is.
- ② Check the adjustment (power supply is 220-240V, remove the transit bolts....)
- ③ Check the troubles referring to the troubleshooting.
- ④ Decide service steps referring to disassembly instructions.
- ⑤ Then, service and repair.
- ⑥ After servicing, operate the appliance to see whether it works O-K or NOT.

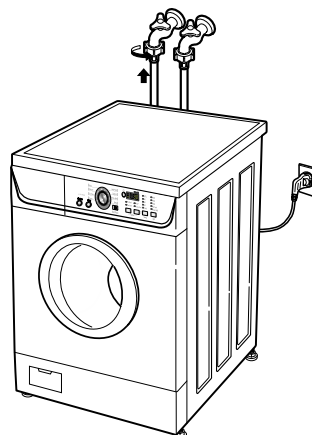
■ STANDARD INSTALLATION

The appliance should be installed as follows.

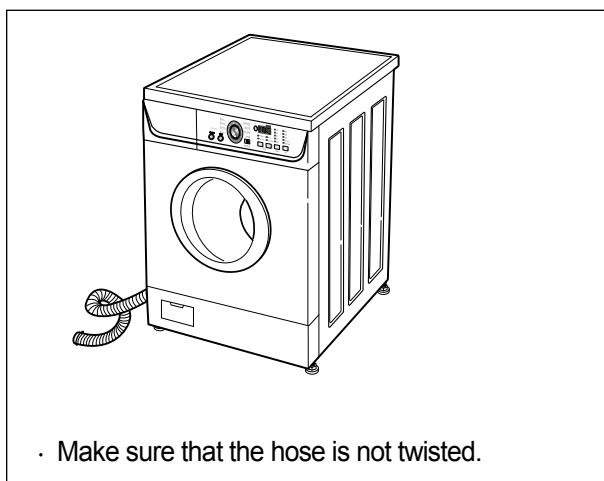
REMOVE THE TRANSIT BOLTS	INSTALL THE APPLIANCE ON FLAT AND FIRM SURFACE	ADJUST THE HORIZONTAL
- Remove the transit bolts (4EA: ①) with supplied wrench. - Keep the transit bolts and wrench for future use. - Insert the 4 caps provided into the hole. 		- Turn the adjustable feet to set the appliance horizontally.  - The appliance goes up by rotating the feet clockwise. - The appliance comes down by rotating the feet counter-clockwise.

■ HOW TO CONNECT INLET HOSE

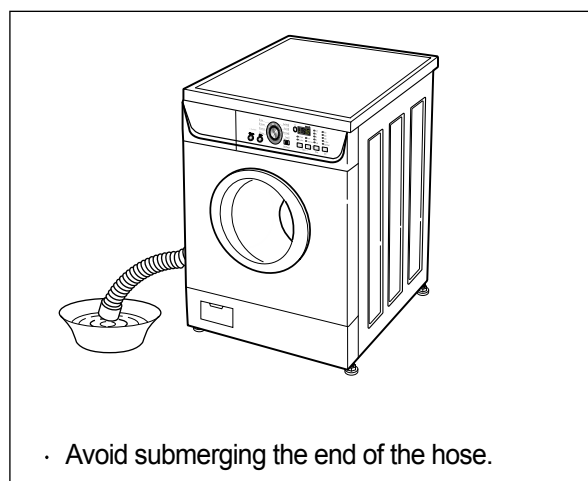
- Check that the rubber washer is inside of the valve connector.
- Connect the inlet hose firmly to prevent leak.



■ CONNECT DRAIN HOSE



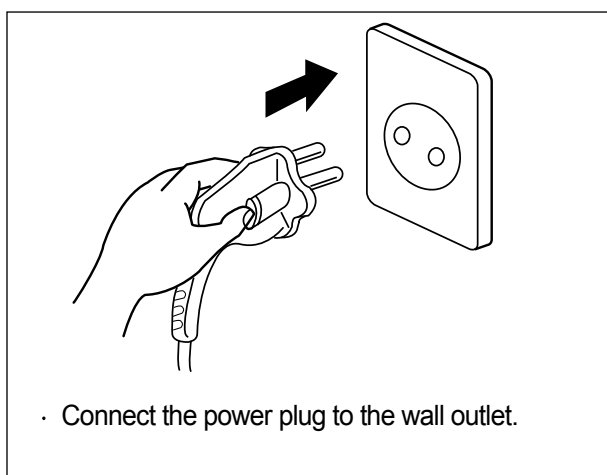
- Make sure that the hose is not twisted.



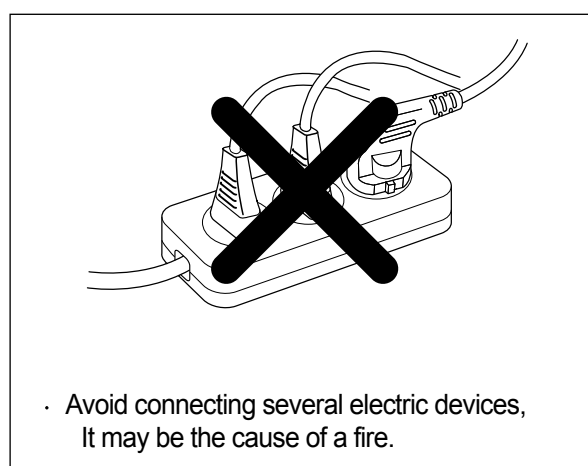
- Avoid submerging the end of the hose.

※ The drain hose should be placed under 100cm from the floor.

■ CONNECT POWER PLUG

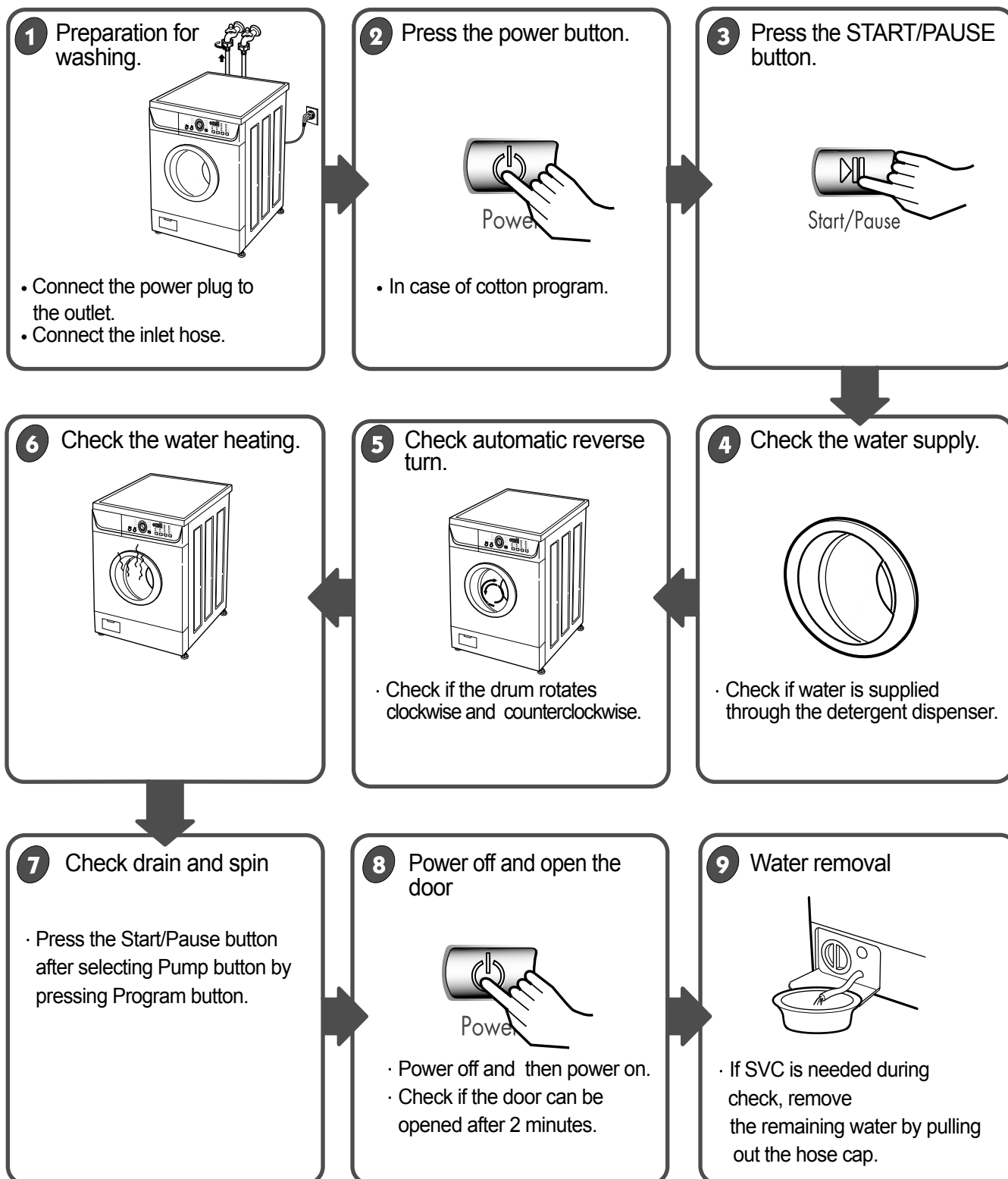


- Connect the power plug to the wall outlet.



- Avoid connecting several electric devices, It may be the cause of a fire.

7 TEST OPERATION



5. OPERATION

Wash program selector

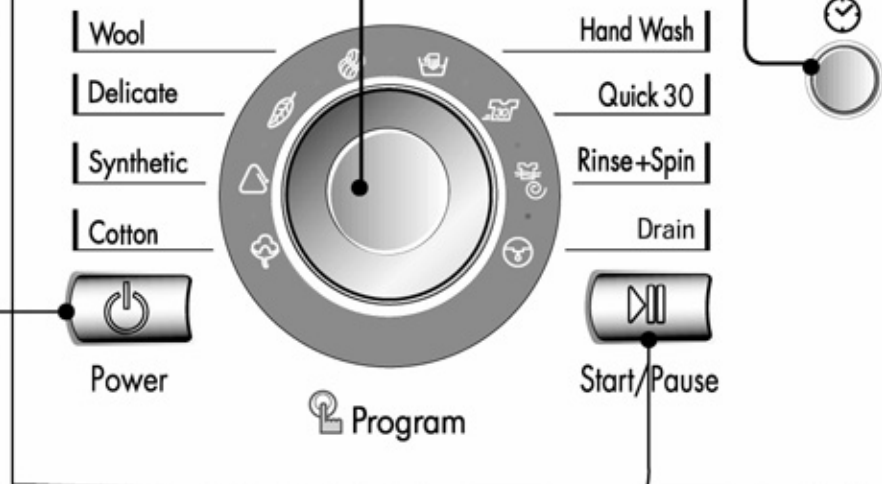
- 8 programs can be set depending on the type of the laundry.
- By pressing the button [Cotton → Synthetic → Delicate → Wool → Hand Wash → Quick 30 → Rinse+Spin → Drain] can be selected.

Time Delay

- Press the button when delayed washing is needed.
- When the button is pressed, [3:00] is displayed, maximum delay of [19:00] hours can be set.
- Each press advances time delay by the hour.
- Use [Power] button to cancel [Time Delay]
- [Time Delay] means the time required from the present to the completion of washing.

Power button

- Press the button to turn on and off.



Start/Pause button

- Use the button to start or pause wash cycle.
- The power turn off automatically 4 minutes after the pause button is pressed.

Option

- Pre Wash :**
- If the laundry is heavily soiled, "Pre Wash" course is effective.
 - Pre Wash is available in Cotton and Synthetic Program.
- Time Save :**
- By selecting the Time Save option, the wash time may be reduced, depending on the program selected.

LED display

- Display the estimated remaining time (Hour : Minute) to finish.
- In case of abnormal operation, error indications are displayed.
(*IE, OE, UE, dE, tE, FE, PE*)
- See troubleshooting guide.

Option

- Rinse+ : If you wish to rinse more, the Rinse+ option will remove any trace of detergents.
- Crease Care : If you want to prevent crease, select this function after selecting spin speed.

Spin

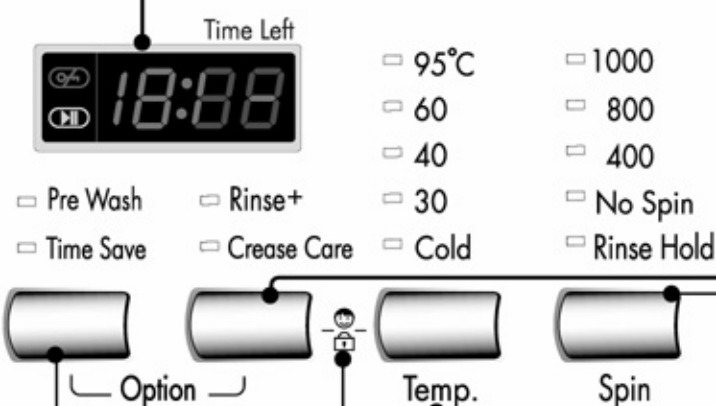
- WD-1016(0~9)S(U)P/N(U)P/T(U)P
No Spin → Rinse Hold → 400 → 800 → 1000
- WD-8016(0~9)S(U)P/N(U)P/T(U)P
No Spin → Rinse Hold → 400 → 600 → 800

Child - lock

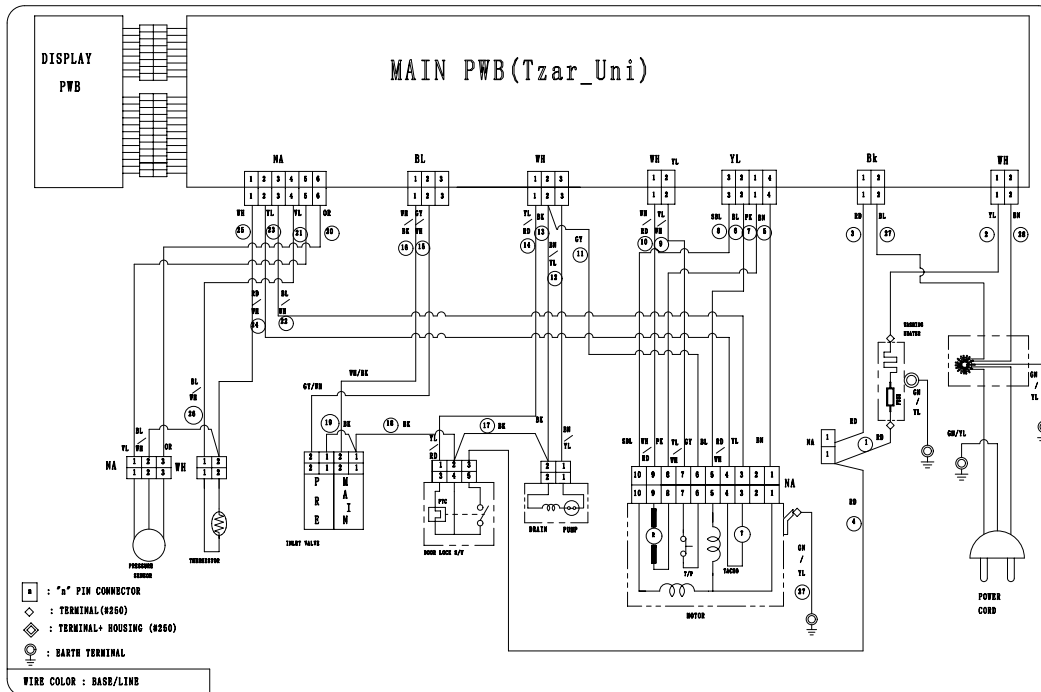
- Child Lock system can be set and canceled by pressing both [Temp.] and [Option] button simultaneously for 3 seconds.
- Once Child Lock is set, all button are inoperable except power button.
- Child Lock system can be set anytime even during Power-off and operation.
- It is automatically cancelled when an operational error occurs.

Water temperature selector

- Press the button to select water temperature.
- The water temperature [40°C → 60°C → 95°C → Cold → 30°C] can be selected in Cotton.
- 95°C is selected for Cotton only.



6. WIRING DIAGRAM / PROGRAM CHART



CYCLE STEP COURSE		* Water Supply : W·S										* Intermittent Spin : I·S										* Disentangle : D·T										Normal Working Time (Hour:Minute)	
		Washing										Rinse										Spin			E N D	A U T O F F							
		Pre					Main					Normal															Rinse +						
		W·S	Washing	Drain	I·S	W·S	Washing	Staycooling	1	2	3	4	1	2	3	4	Drain	Spin	D·T														
		Time (SEC)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		20
	120	MIN	60	240	120	MIN	120	60	60	60	240	120	360	60	240	120	360	60	240	120	360	60	240	120	360	60	480	120	20	20			
Cotton		8					95 4																									About 2:41	
Synthetic							24 4																									About 1:22	
Delicate							18 4																									About 56	
Wool							18																										About 58
Handwash							24																										About 71
Quick 30																																	About 30
Rinse + Spin																																	About 19
Drain																																	About 1

* Basic Cycle

* Optional Cycle

* Pre-Setting Time : Water Supply - 120 sec.
Drain - 60 sec.

* ~ Time for varies as the temperature or the amount of laundry

* Basic time is minute in washing chart

* The actual program time can be varied with the load amount, water temperature or ambient temperature

* **Pre Wash** : • If the laundry is heavily soiled, "Pre Wash" course is effective.

• Pre Wash is available in Cotton and Synthetic.

* **Time Save** : • This option can be used to reduce the time of a wash program.

• To use this option press the Time Save button once before the wash program is started.

• This option is not available with Quick 30 program.

* **Rinse+** : • Used to additional rinse, which may assist in removing traces of detergent residue.

• By selecting Rinse+ function, the rinse time and the rinse water are increased.

* **Crease Care** : • If you want to prevent crease, select this button with spin speed.

7. TROUBLESHOOTING

7-1. BEFORE PERFORMING SERVICE

- Be careful of electric shock or disconnecting the parts while troubleshooting.
- Voltage of each terminal in 220-240V~ and DC while applying an electric current.

7-2. QC TEST MODE.

- ① Pressing **Temp**, and **Option** button simultaneously.
- ② Power supply ON with pressing upper two button.
- ③ Press the START/PAUSE button as follows.

[Press the START/PAUSE button more 4 times until stop spinning]



Pressing number of [START/PAUSE]button	Checking Point	
None	All lamps turn on	18:88
1 time	Clockwise spin (right)	Motor rpm (About 45)
2 times	Low speed spin	Motor rpm (About 63~67)
3 times	High speed spin	Motor rpm (About 79~85): WD-8016(0~9)S(U)P/N(U)P/T(U)P
		Motor rpm (About 100~106): WD-1016(0~9)S(U)P/N(U)P/T(U)P
4 times	Inlet valve for pre-wash operation	Water Level frequency (25~65)
5 times	Inlet valve for main-wash operation	Water Level frequency (25~65)
	Hot inlet valve in case of hot water fill	
6 times	Inlet valve for main-wash operation	Water Level frequency (25~65)
7 times	Counterclockwise spin (left)	Motor rpm (About 45)
8 times	A Heater is in operation for 3 sec.	Water temperature
9 times	Draining pump operation	Water Level frequency
10 times	Auto off operation	

7-3. HOW TO KNOW THE WATER LEVEL FREQUENCY

- * Press the Option and Spin button simultaneously.

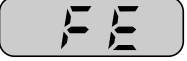


- The digits means water level frequency (10^{-1} kHz)

ex) 241 : Water level frequency = 241×10^{-1} kHz
=24.1kHz

7-4.ERROR DISPLAY.

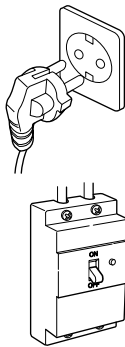
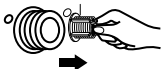
- If you press the [Start/Pause] button when an error is displayed, any error except **S/W ERROR** will disappear and the machine will change into pause status.
- In case of 『 FE 』, 『 EE 』, 『 DE 』, if the error is not resolved within 20 sec. In the case of other errors, if the error is not resolved within 4 min. power will be turned off automatically and the error code will be blinked. But in case of 『 FE 』, power will not be turned off.

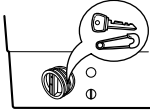
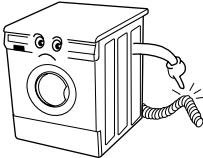
	ERROR	SYMPTOM	CAUSE
1	WATER INLET ERROR		○ Water has not reached to the pre-set level within 4 min. since inlet valve operated, or water has not reached to the normal level within 25 min.
2	IMBALANCE ERROR		○ The appliance is tilted. ○ Laundry is gathered to one side. ○ Non distributable things are put into the drum.
3	DRAIN ERROR		○ Water has not drained enough within 5 min.
4	OVERFLOW ERROR		○ Water is automatically being pumped out because too much water is in the tub.
5	SENSOR PRESSURE S/W ERROR		○ The sensor pressure switch is out of order.
6	DOOR OPEN ERROR		○ The [Start/Pause] button is pressed with the door open. ○ The door switch is out of order.
7	HEATING ERROR		○ The thermistor is out of order.
8	SENSOR ERROR		

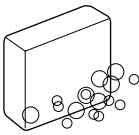
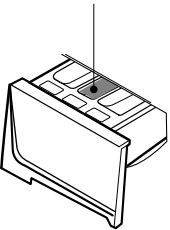
	ERROR	SYMPTOM	CAUSE
8	SENSOR ERROR		• The electric contact between the connectors (5-pin, male in the wire harness and 5-pin female in the hall sensor) is bad or unstable. – Reconnect or repair the contact in the connector. • The connector (6-pin, male, natural) in the wire harness is not connected to the connector (6-pin, female, natural) of PWB assembly (Main) or the electric contact of connectors is bad/unstable. – Reconnect or repair the contact in the connector. • The electric contact between the connectors 6-pin, male in the wire harness and 6-pin female in the controller (Main) is bad or unstable. – Reconnect or repair the contact in the connector. • The wire harness between hall sensor in the MOTOR and PWB assembly (Main) is cut (open circuited). – Repair/replace the damaged WIRE HARNESS. • The hall sensor is out of order/defective. – Replace the motor. • The controller (Main) is out of order/defective. – Replace the PWB assembly (Main).

8. ERROR DIAGNOSIS AND CHECK LIST

8-1.DIAGNOSIS AND ANSWER FOR ABNORMAL OPERATION

SYMPTOM	GUIDE FOR SERVICE CALL
NO POWER	Is the power plug connected firmly to 220-240V~ outlet? YES Power failure? or Breaker opened? Is the outlet controlled by a switch. NO Visit to check 
Water inlet trouble 	Is  displayed? YES Is the tap opened? YES Is the tap frozen? NO Is the water supply shut-off? NO Is filter in the inlet valve clogged with foreign material? YES NO Visit to check  Clean the filter of inlet valve 

SYMPTOM	GUIDE FOR SERVICE CALL
◦ DOOR OPEN ERROR Refer to 7-3 ERROR DISPLAY	Did you press the Start/Pause button when the door is open? YES Close the door  NO Visit to check Check if the door switch is O.K
◦ Drain Trouble 	Is  displayed? YES Is the debris filter clogged with foreign material such as pins, coins, etc.? YES Clean up the filter.  NO Is the drain hose frozen with water, kinked, or crushed? NO Visit to check 

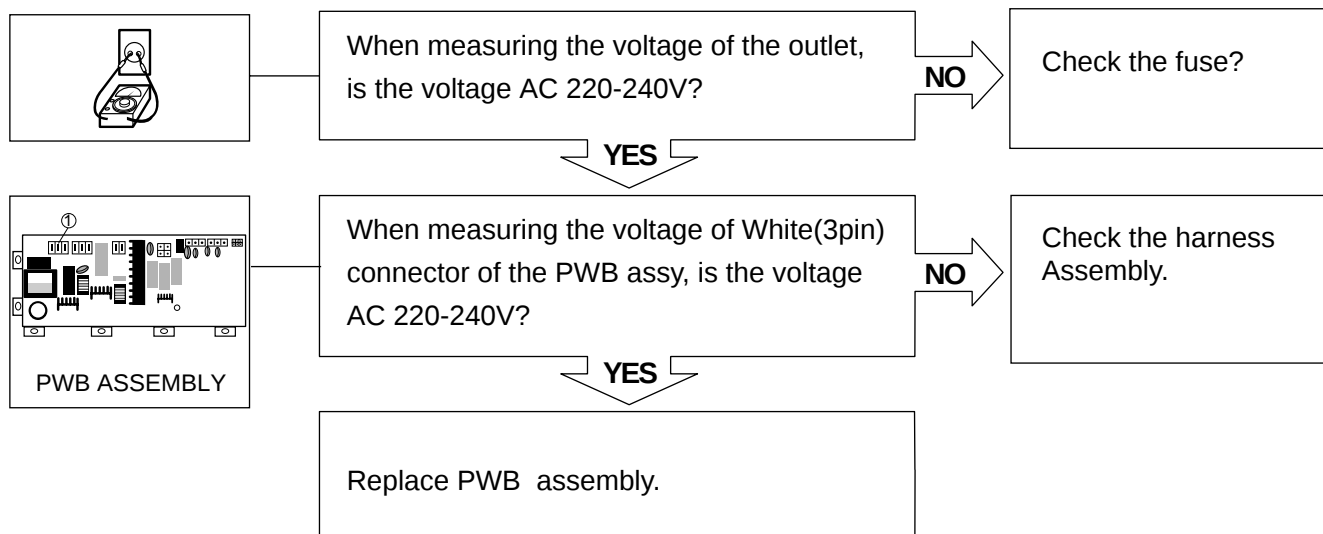
SYMPTOM	GUIDE FOR SERVICE CALL
◦ Suds overflow from the appliance. (In this condition, wash and spin do not operate normally)	Is low-sudsing detergent for the drum washing machine used? YES Is the proper amount of detergent used as recommended? YES Recommend to reduce the amount of detergent. * This appliance has the automatic suds sensing function which operates under much suds condition for good rinse and preventing overflow. * When much suds are sensed, the suds removing function such as drain, water input, and pause will operate without rotating the drum.  LOW SUDSING DETERGENT
◦ No effect of softener	Is softener put in the correct compartment of drawer? YES Is the drawer closed during wash? YES Is the softener cap clogged? YES Explain how to use softener Clean the compartment for softener Compartment for softener 
FE SE FE EE	Visit to check

8-2.FAULT DIAGNOSIS AND TROUBLESHOOTING

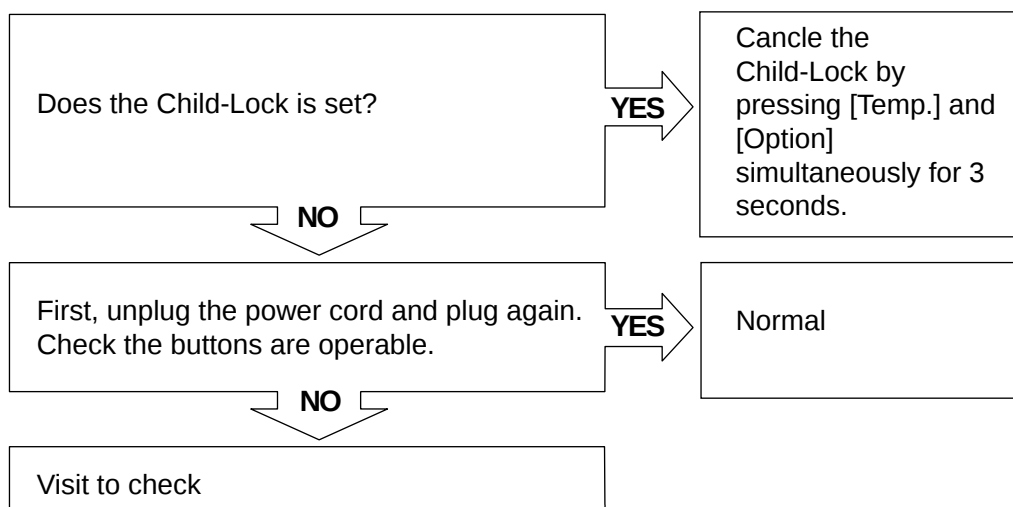
CAUTION

1. Be careful of electric shock or disconnecting the parts while troubleshooting.
2. First of all, check the connection of each part terminal with wiring diagram.
3. If you replace the PWB assembly (Main), put in the connectors correctly.

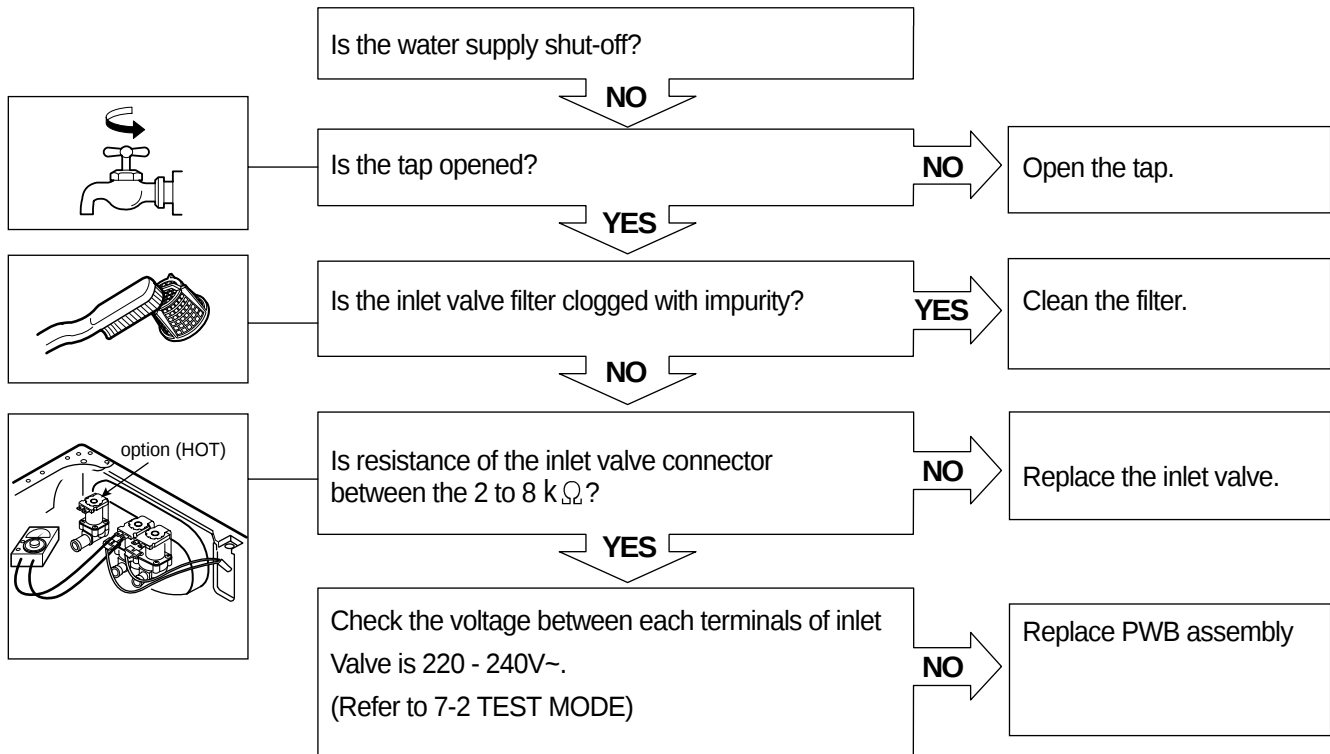
NO POWER



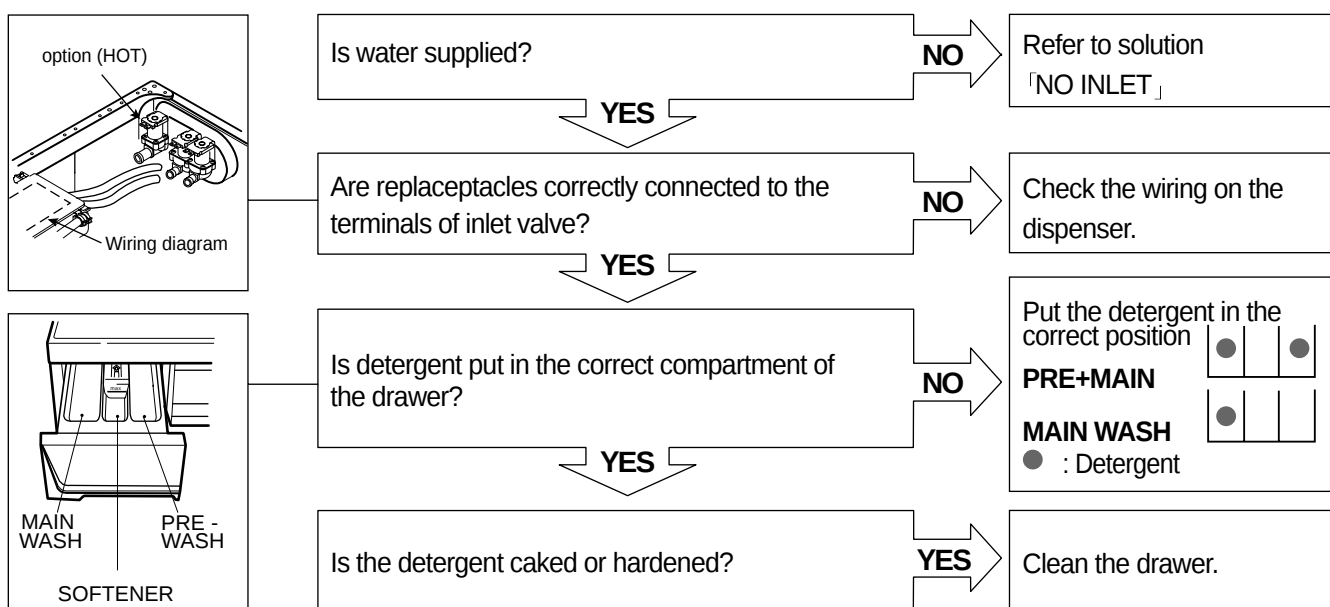
ALL BUTTONS ARE INOPERABLE EXCEPT POWER BUTTON



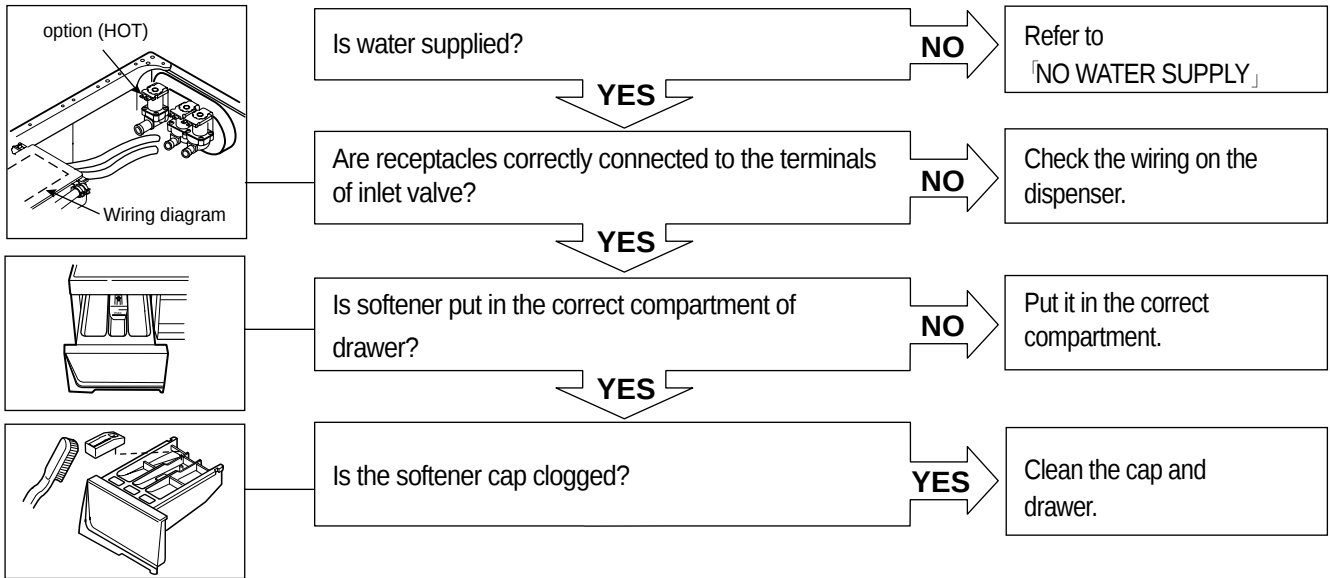
NO WATER SUPPLY



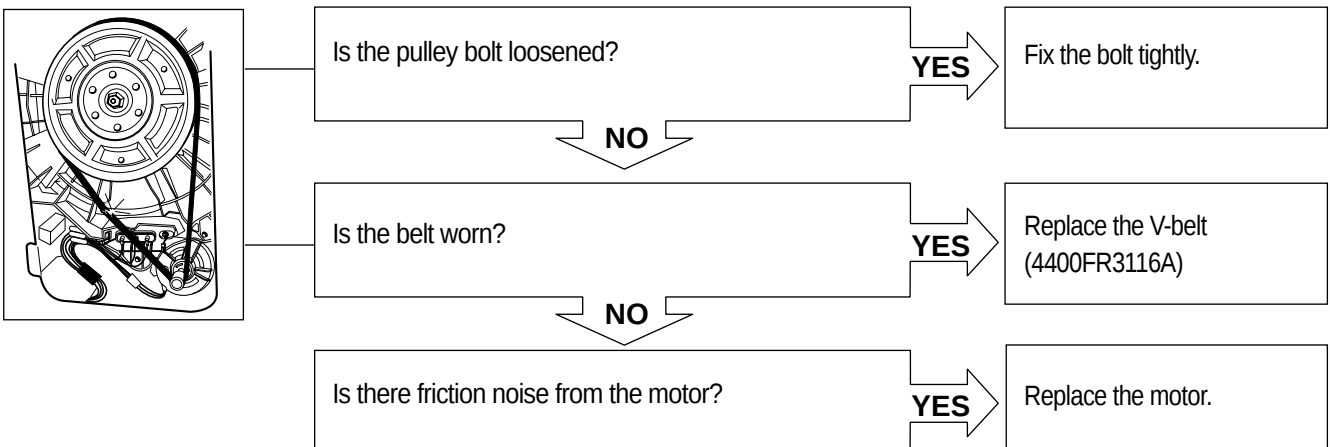
DETERGENT DOES NOT FLOW IN



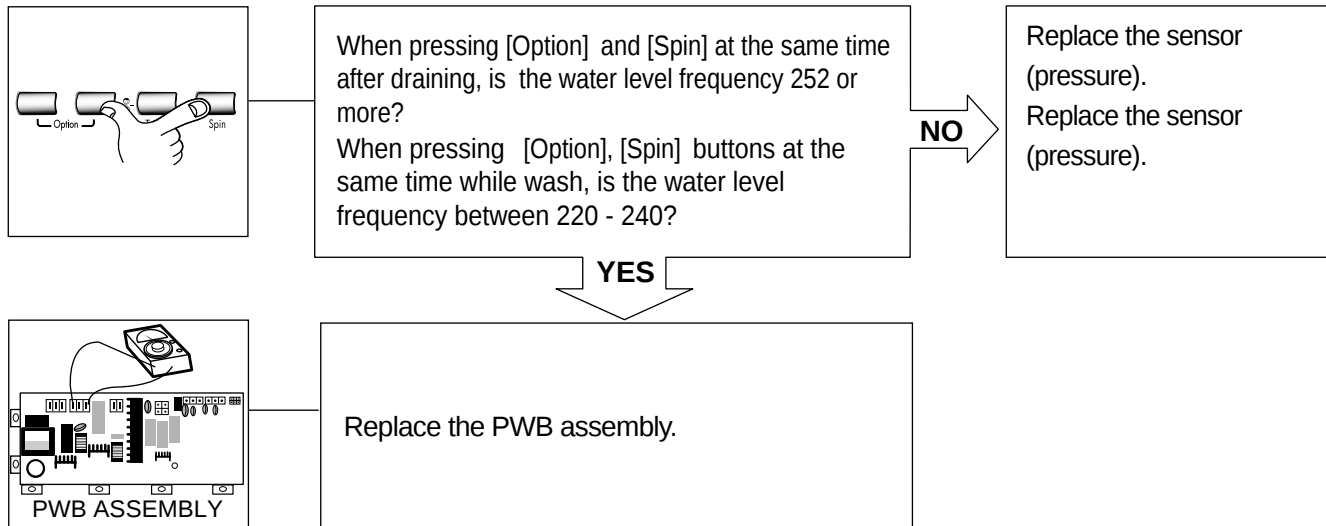
SOFTENER DOES NOT FLOW IN



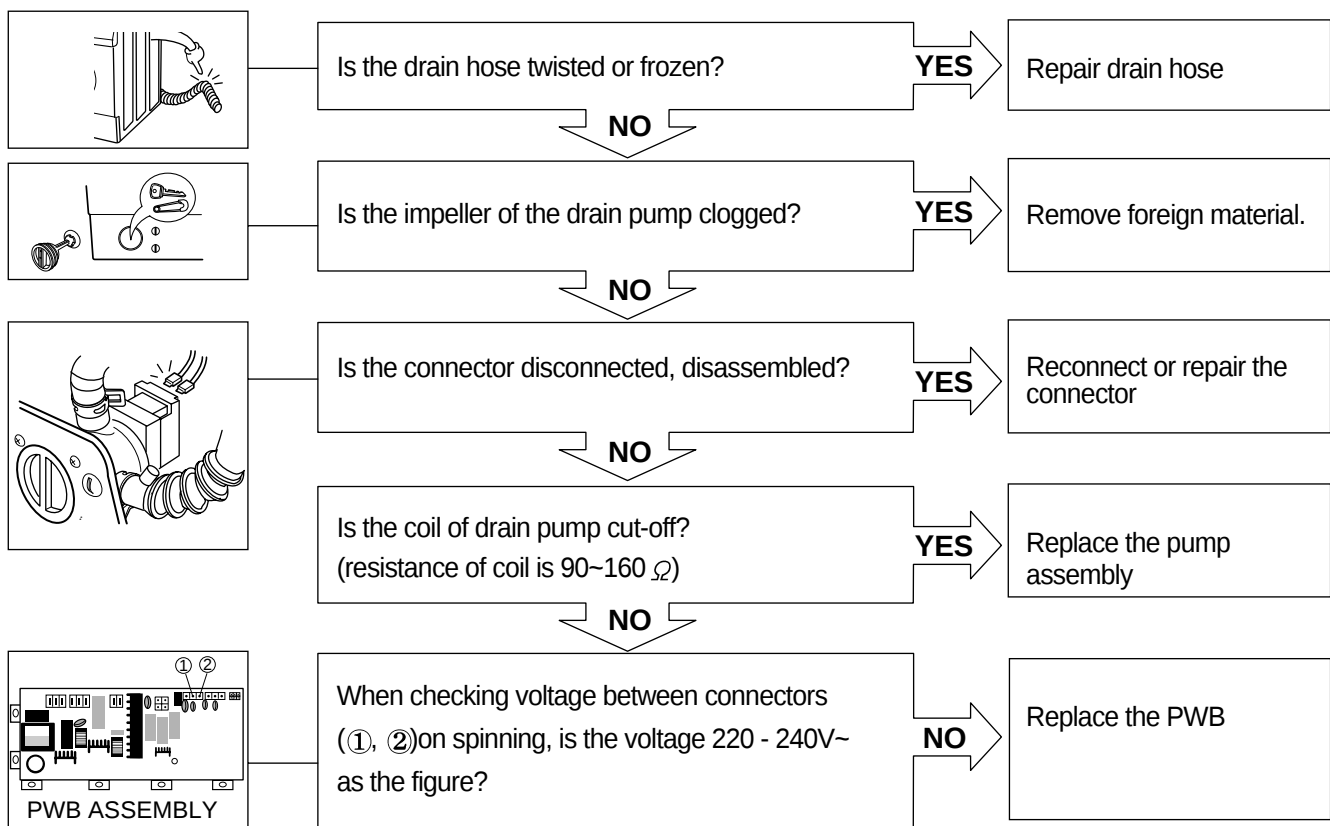
ABNORMAL SOUND



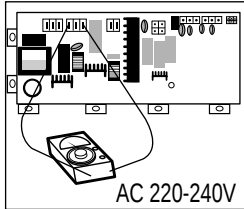
HEATING WITHOUT WATER



DRAIN MALFUNCTIONING



WASH HEATER TROUBLE

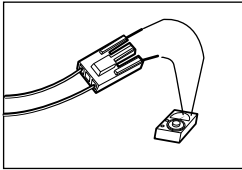


When checking the voltage between two receptacles of the PWB assembly during washing.
Is the voltage AC 220-240V?

NO

Replace the PWB assembly.

YES

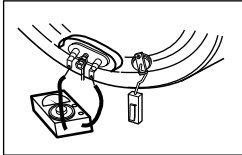


After power off, is the resistance between yellow wire and red wire of connector 10 to 30 Ω ?

YES

Normal.

NO

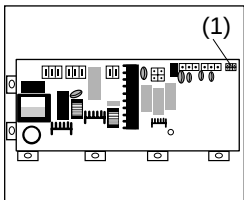


After power off, is the resistance of heater 10 to 30 Ω ?

NO

Replace the heater assembly.

HEATING CONTINUOUSLY ABOVE THE SETTING WATER TEMPERATURE

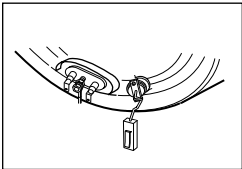
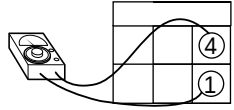


When disconnect the connector (1) on the PWB assembly is the resistance of the Natural connectors [①(White), ④(Blue / White)] between 2.5k Ω to 180k Ω (105°C~0°C)?

NO

Replace the thermistor

YES

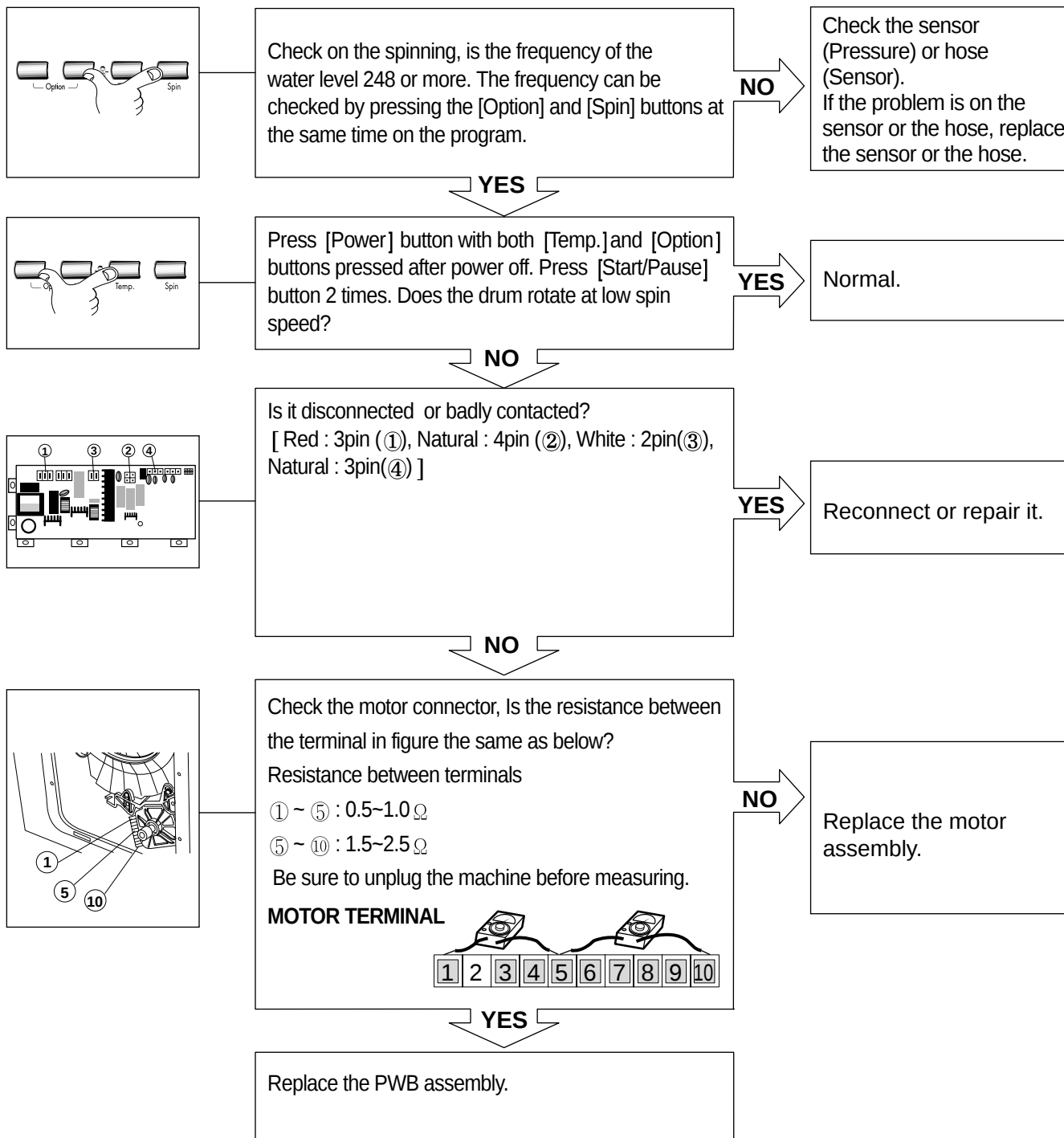


When checking thermistor on the tub, is the thermistor loosened above 2mm from the rubber?

YES

Push the thermistor tightly to the rubber.

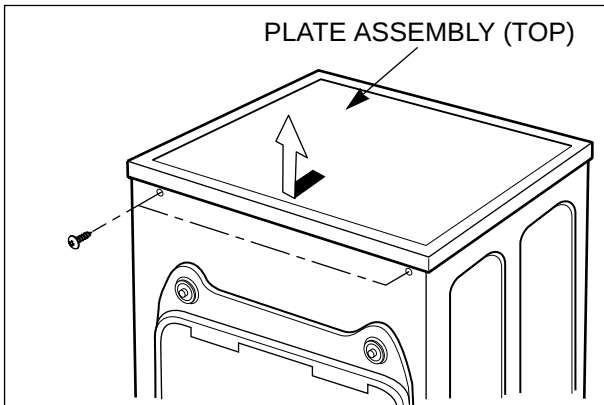
SPIN TROUBLE



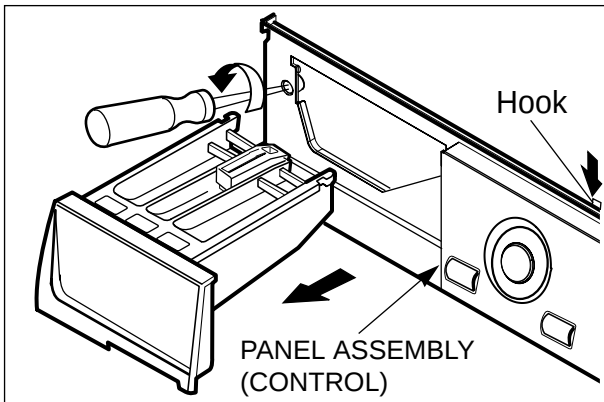
9. DISASSEMBLY INSTRUCTIONS

* Be sure to unplug the machine out of the outlet before disassembling and repairing the parts.

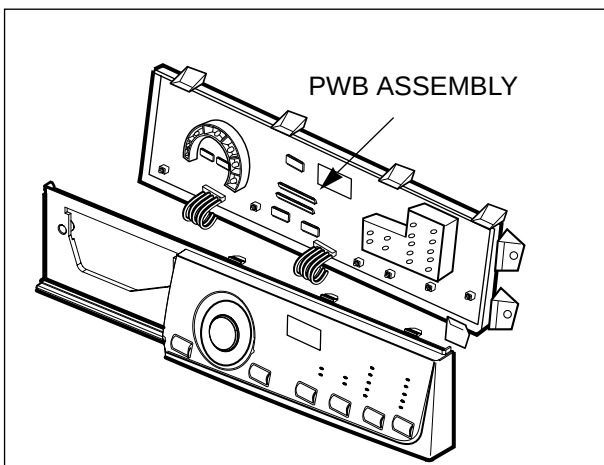
CONTROL PANEL



- ① Unscrew 2 screws on the back of the top plate.
- ② Pull the top plate backward and upward as shown.

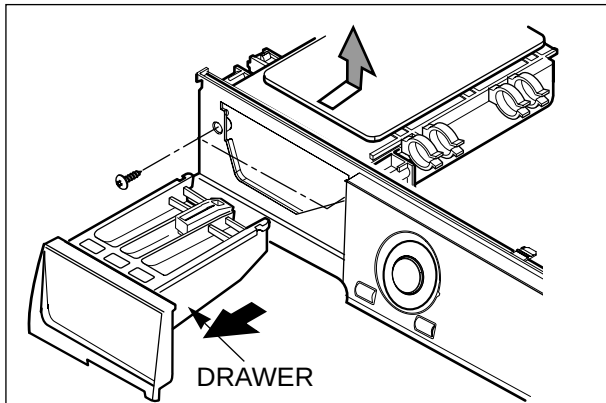


- ① Disconnect the PWB Assembly connector from Main lead wire Assembly.
- ② Pull out the drawer and unscrew 2 screws.
- ③ Push upper hooks down on the top and pull the control panel.

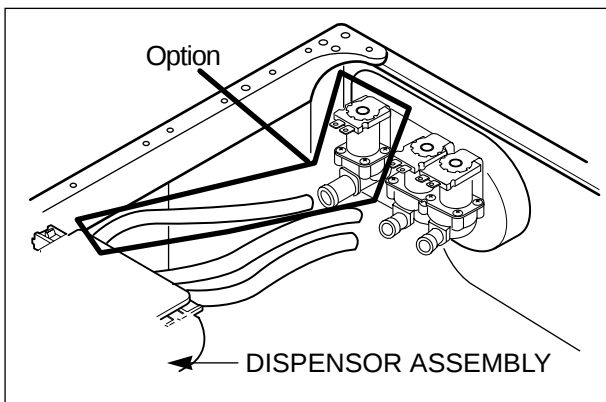


- ① Disconnect the PWB assembly from the control panel by pushing 4 hooks down.

DISPENSER ASSEMBLY

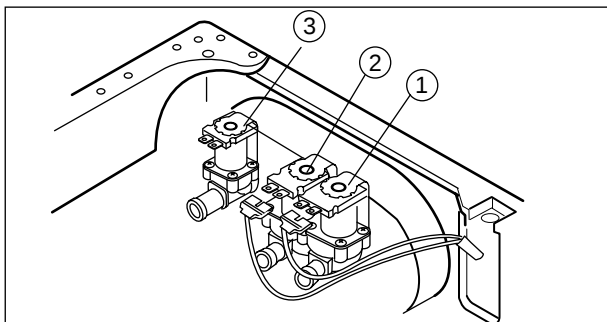


- ① Disassemble the top plate assembly.
- ② Pull out the drawer to arrow direction.
- ③ Unscrew 2 screws.



- ① The hose clamps and the hose are disassembled.
- ② The ventilation bellows and the water inlet bellows are disassembled on the tub.

INLET VALVE



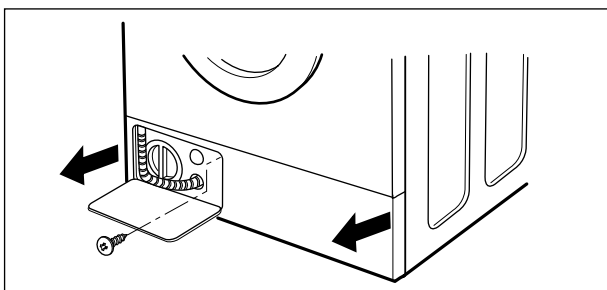
① Disconnect the wiring receptacle.

② Unscrew 2 screws from the back.

※When reconnecting the connector

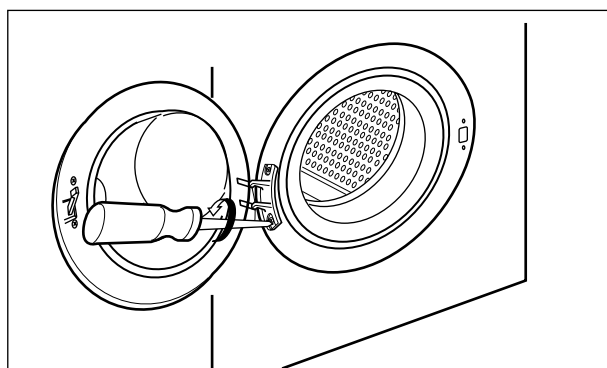
VALVE #1 (MAIN)	Whited/Black-Black
VALVE #2 (PRE)	Black - Gray
VALVE #3 (HOT)	Blue/White - Black

LOWER COVER



■ Open the lower cover plate by using a finger and pull out the lower cover in the arrow direction after a screw is unscrewed.

DOOR

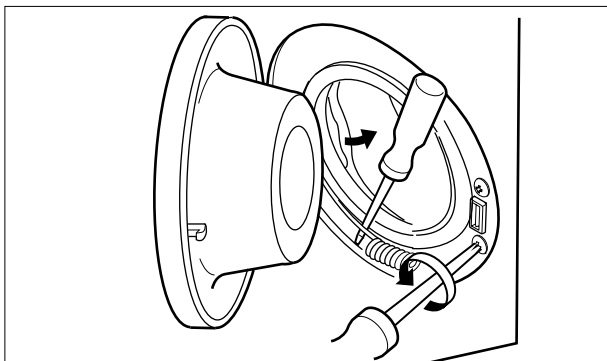


① Open the door completely.

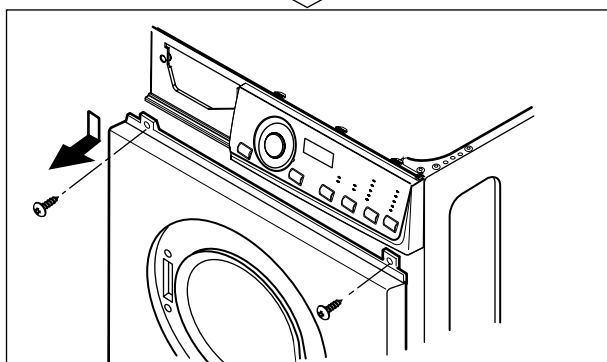
② Remove the two screws from the hinge.

※When removing the door assembly, it is necessary to hold the bracket that is inner of the cabinet cover.

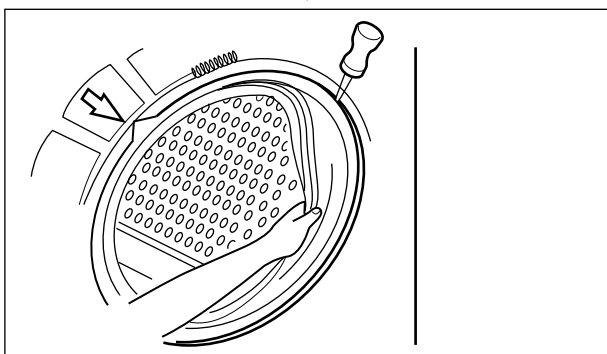
GASKET ASSEMBLY



- ① Take apart the cabinet gasket clamp.
- ② Unscrew 2 screws from the cabinet cover.
- ③ Open the lower cover cap and unscrew 1 screw inside.
- ④ Take apart the lower cover.

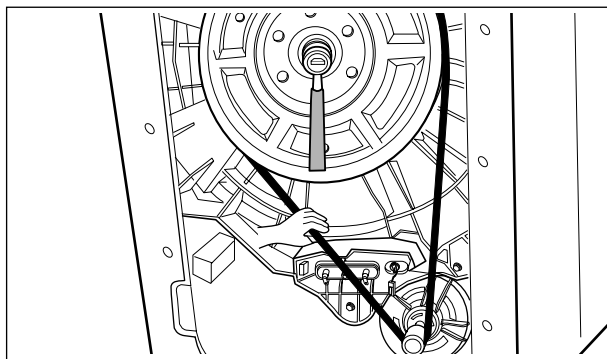


- ① Unscrew all the screws on the upper and lower sides of the cabinet cover.



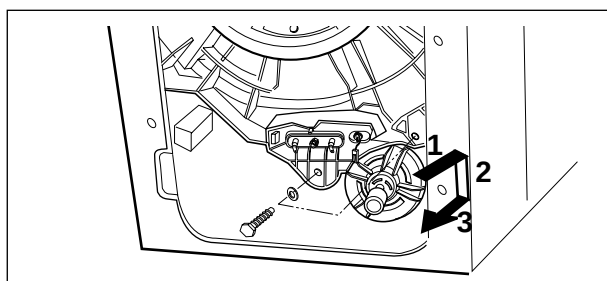
- ① Take apart the tub gasket clamp.
 - ② Make sure that the drain hole of the gasket is put beneath when reassembling the gasket.
- ※ Refer to the arrow mark on the tub cover.

PULLEY, MOTOR, DAMPER



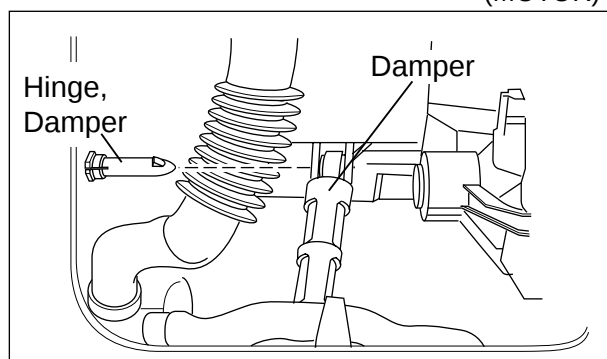
(PULLEY)

- ① Remove the back cover.
- ② Take off the belt turning the pulley.
- ③ Unscrew the bolt to pull out the pulley.



(MOTOR)

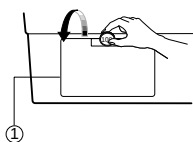
- ① Unscrew 2 screws from the bracket.
- ② Push the motor in the arrow direction for disassembling.
- ③ When reassembling the motor, make sure that motor mounting bushings are not taken off from the bracket.



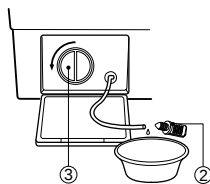
(DAMPER)

- ① Pull out the hinge, pressing its snap.
- ② Do not use the pulled out hinge again. It may be taken off during operation.

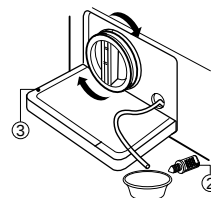
■ Clean the drain pump filter



Open the lower cover cap (①) by using a coin. Turn the drain plug (②) to pull out the hose.

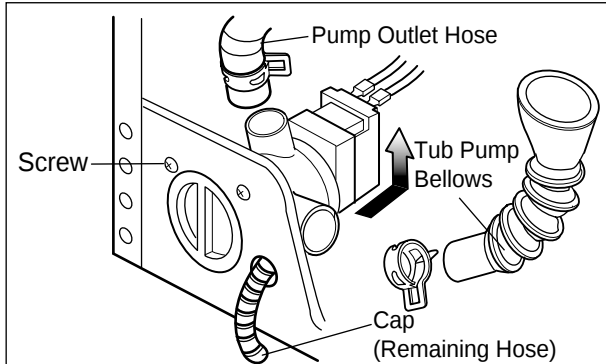


Unplug the drain plug (②), then the water flows out, At this time use a vessel to prevent water flowing on the floor. If the water does not flow any more, turn the pump filter (③) open to the left.



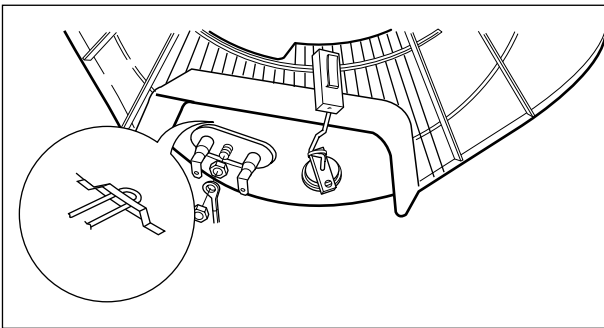
Take out any foreign material from the pump filter (③). After cleaning, turn the pump filter(③) clockwise and insert the drain plug (②) to the original place. close the lower cover cap.

PUMP



- ① Remove pump outlet hose.
- ② Remove tub pump bellows.
- ③ Remove cap (Remaining Hose.)
- ④ Disconnect the wiring.
- ⑤ Unscrew 2 screws.
- ⑥ Remove the pump.

HEATER

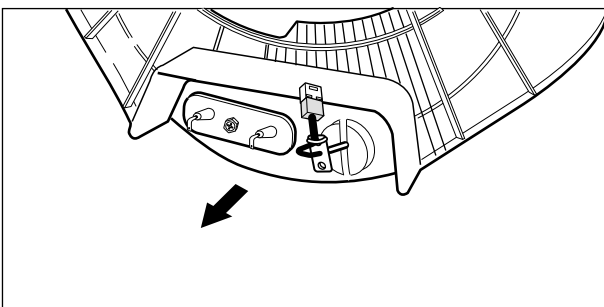


- ① Loosen the M6 heater nut to pull out the heater.

CAUTION

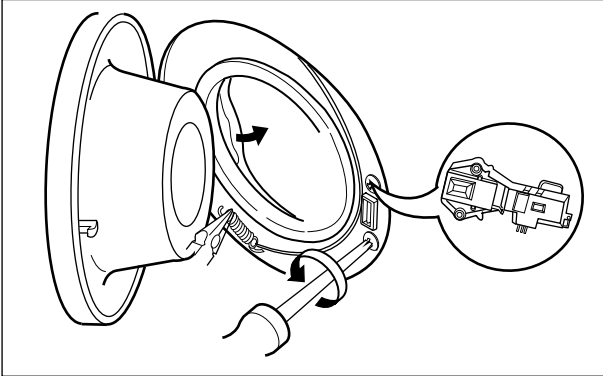
When mounting the heater, be sure to insert the heater into the heater clip on the bottom of the tub.

THERMISTOR



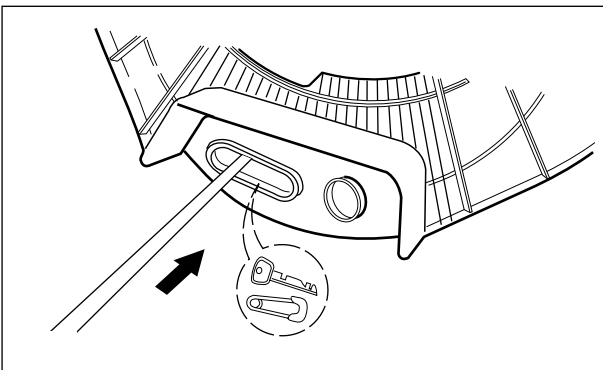
- ① Pull it out by holding the thermistor bracket.
* If it is pulled by the wire, it may be broken.
- ② When mounting the thermistor again, make sure that it is got back tight to the bushing.

SWITCH ASSEMBLY, DOOR LOCK



- ① Take apart the cabinet cover clamp and release the gasket.
- ② Unscrew 2 screws holding the door lock.
- ③ Disconnect the door lock from the wiring connector.

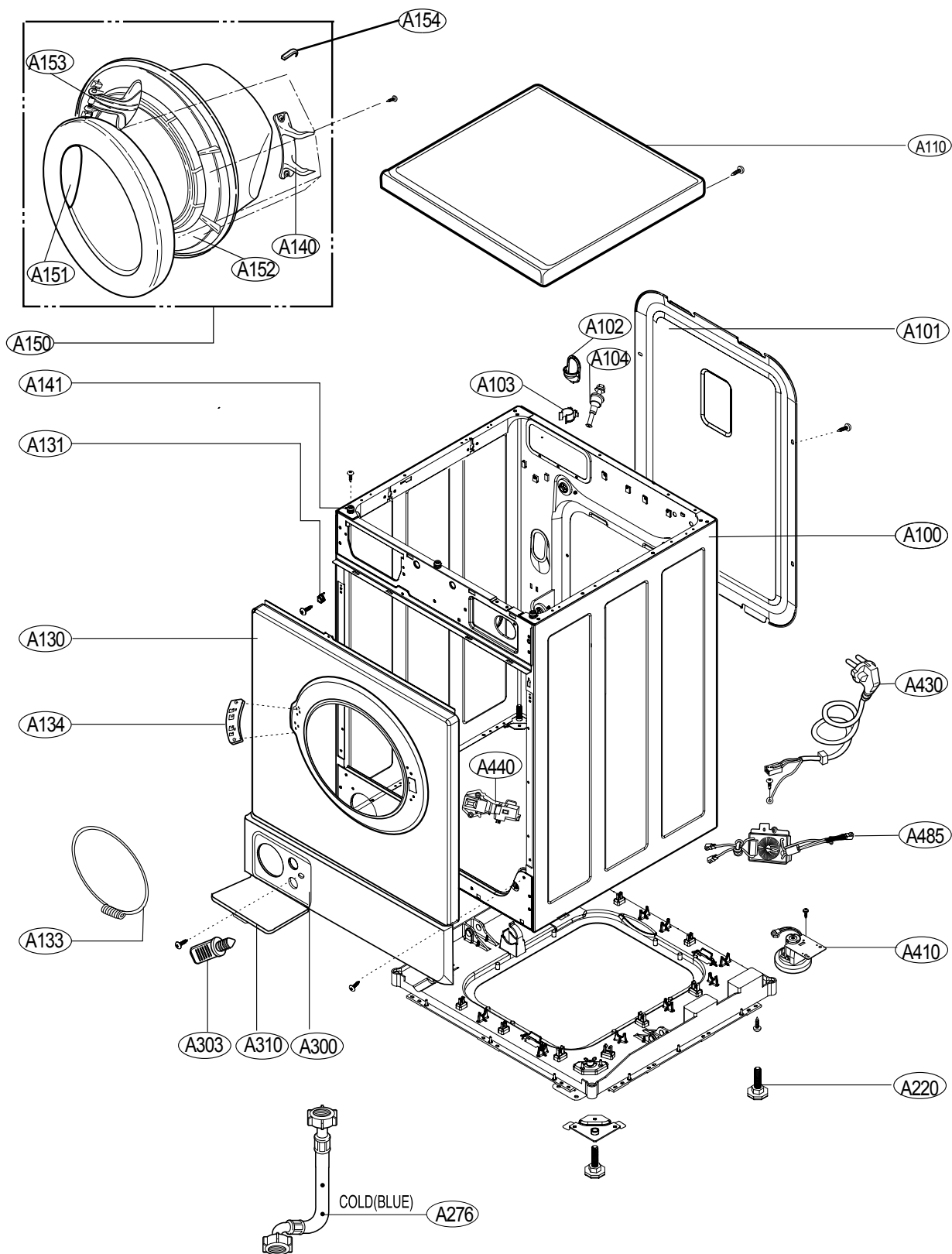
WHEN FOREIGN MATERIAL IS STUCK BETWEEN DRUM AND TUB



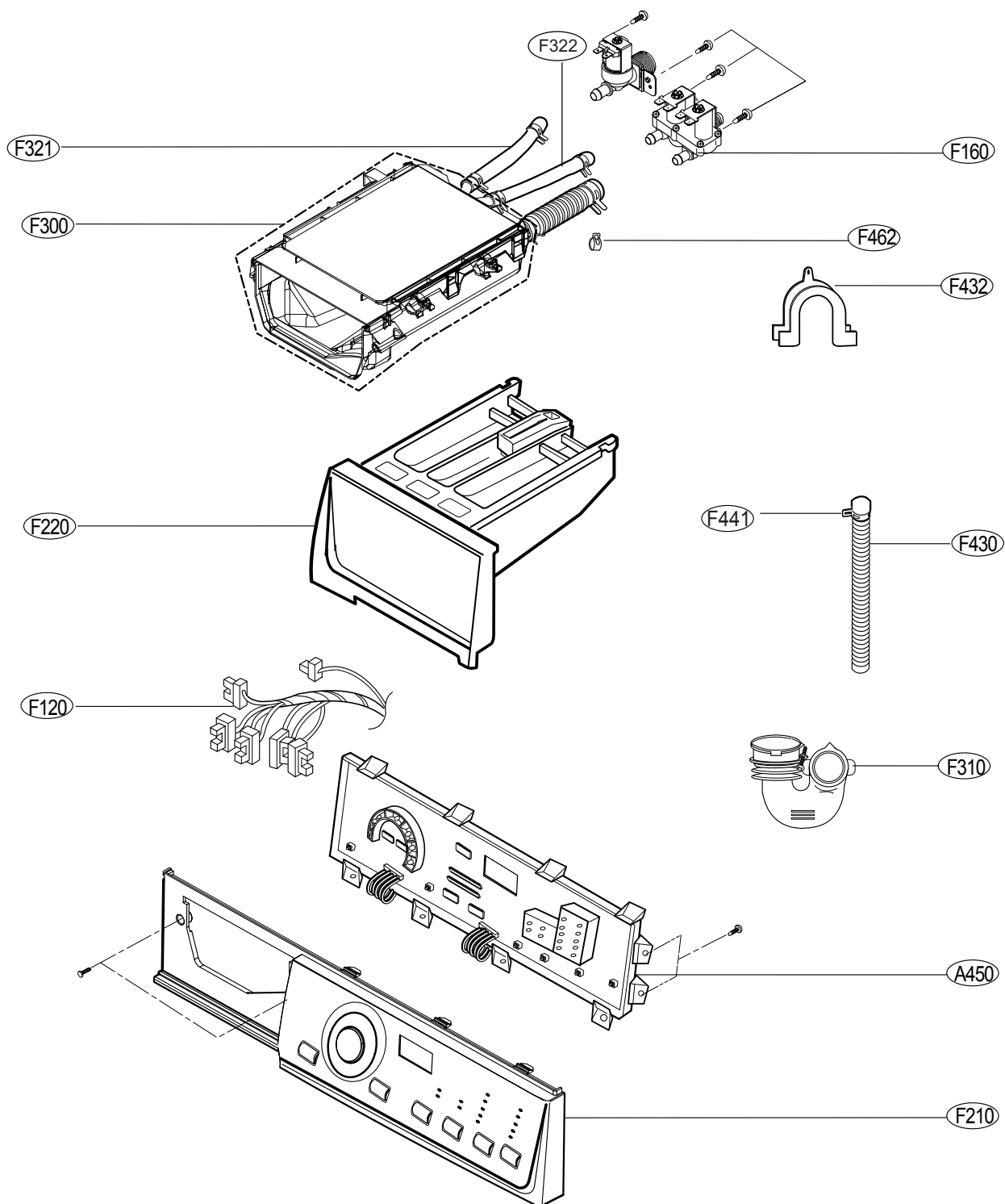
- ① Remove the heater.
- ② Remove the foreign material (wire, coin and others) by inserting a long bar through the hole.

10. EXPLODED VIEW

10-1.THE EXPLODED VIEW OF CABINET ASSEMBLY



10-2 THE EXPLODED VIEW OF CONTROL PANEL & DISPENSER ASSEMBLY



10-3 THE EXPLODED VIEW OF DRUM & TUB ASSEMBLY

