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# WASHING MACHINE SERVICE MANUAL

## CAUTION

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

**MODEL : WD(M)-10160(5)F**  
**WD(M)-80160F**  
**WD(M)-65160F**  
**WD-8016F**



**LG Electronics Inc.**

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# 1. SPECIFICATION

ITEM		WD(M)-10160(5)F / WD(M)-80160F / WD-8016F / WD(M)-65160F	
POWER SUPPLY		220-240V~, 50Hz	
PRODUCT WEIGHT		67kg	
ELECTRICITY CONSUMPTION	WASHING	190W	
	SPIN (800rpm)	450W	
	DRAIN MOTOR	32W	
REVOLUTION SPEED	WASH HEATER	2000W	
	WASH	45rpm	
	SPIN	WD(M)-65160F	400/500/650 rpm
		WD(M)-80160F / WD-8016F	400/600/800 rpm
		WD(M)-10160F	400/800/1000 rpm
OPERATION WATER PRESSURE		0.3-10kgf/cm <sup>2</sup> (30-1000kPa)	
CONTROL TYPE		Electronic	
WASH CAPACITY		Rating	
		Synthetic (3.5kg), Delicate (3.0kg) Wool (2.0kg), Hand Wash(2.0kg), Quick 30(2.0kg)	
DIMENSION		600mm(W) × 600mm(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	



## 2. FEATURES & TECHNICAL EXPLANATION

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### 2-1.FEATURES



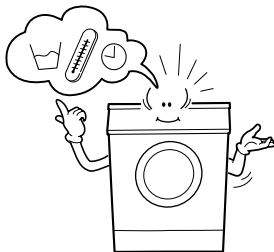
#### ■ **Jumbo drum**

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



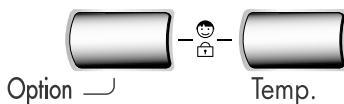
#### ■ **Protection against wrinkles**

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



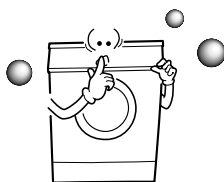
#### ■ **More economical by Fuzzy Logic System**

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.



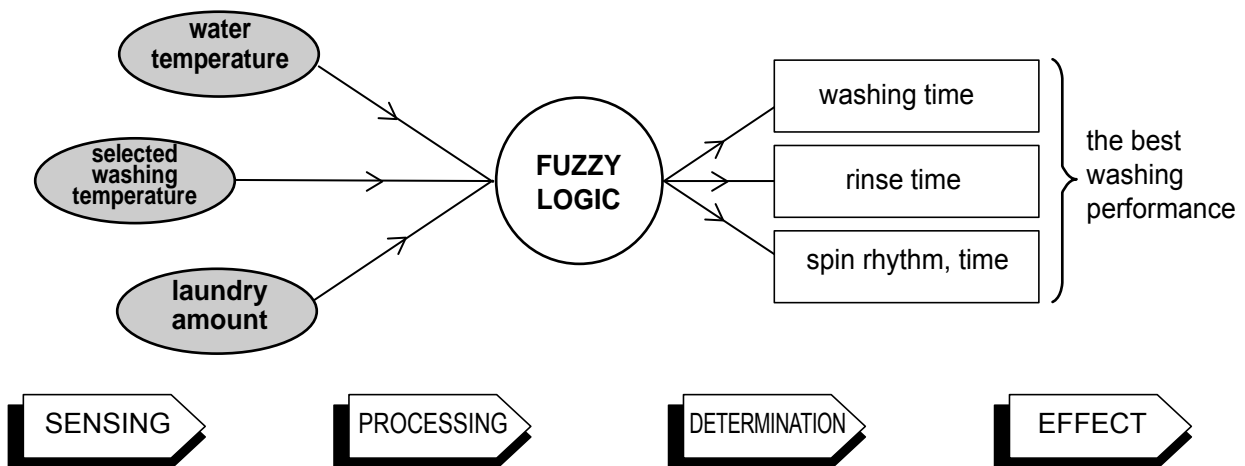
#### ■ **Low noise speed control system**

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

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## 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

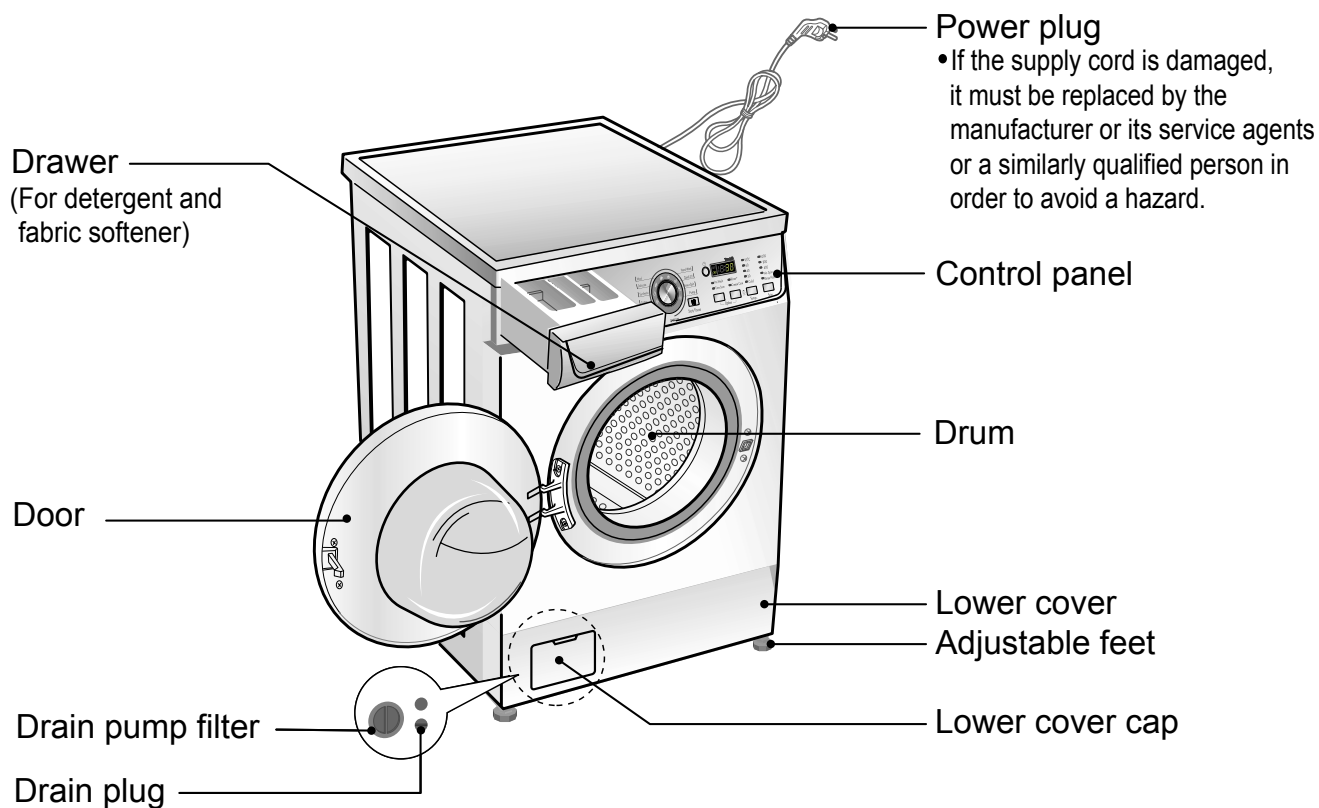
- This model adopts a pressure sensor which can sense the water level in the tub.
- When the water level reaches to the preset level the water supply is stopped, then the washing program proceeds.
- Spinning does not proceed until the water in the tub reduces a certain level.

## 2-4.THE DOOR CAN NOT BE OPENED

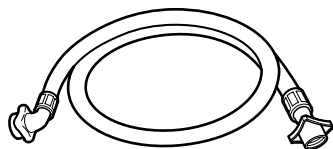
- While program is operating.

### 3. PARTS IDENTIFICATION

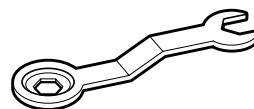
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### ■ ACCESSORIES



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



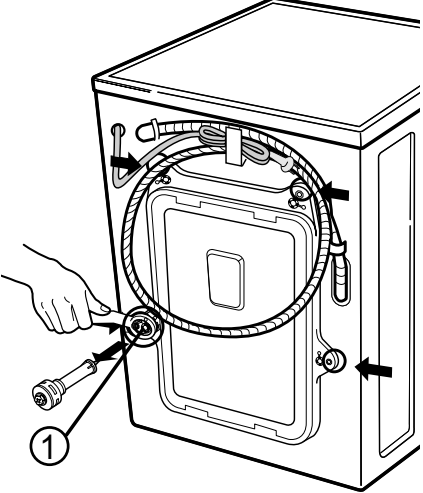
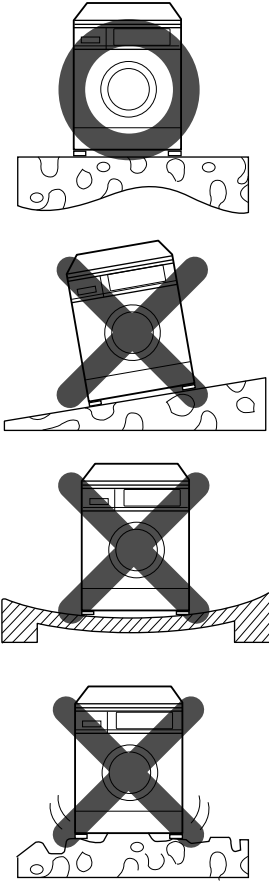
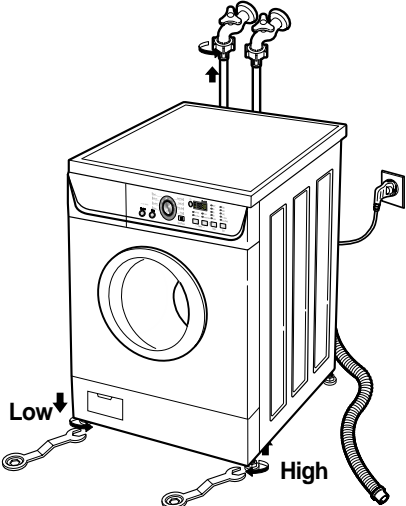
Wrench

## 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.

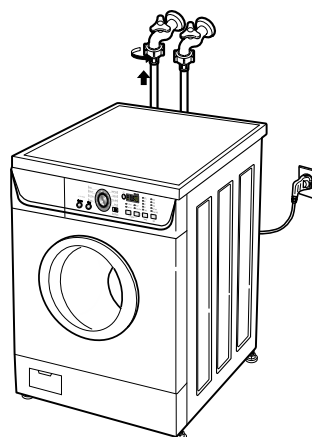
### ■ STANDARD INSTALLATION

The appliance should be installed as follows.

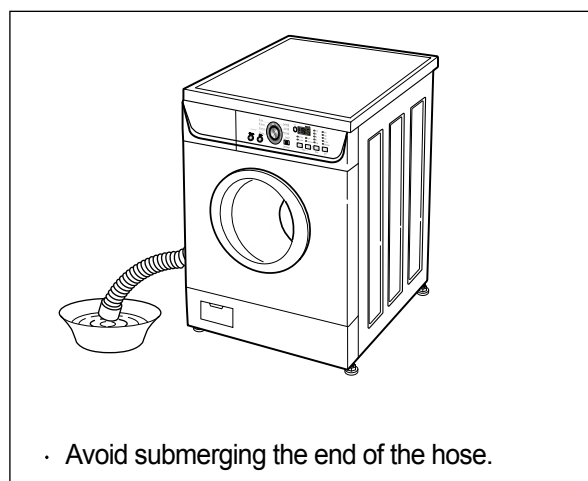
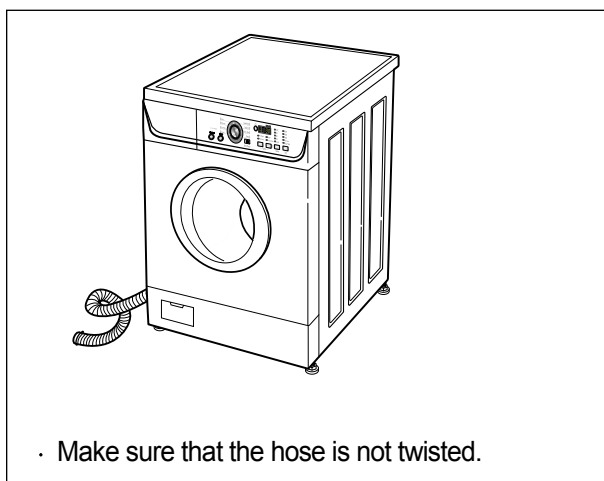
REMOVE THE TRANSIT BOLTS	INSTALL THE APPLIANCE ON FLAT AND FIRM SURFACE	ADJUST THE HORIZONTAL
<ul style="list-style-type: none"> <li>Remove the transit bolts (4EA: ①) with supplied wrench.</li> <li>Keep the transit bolts and wrench for future use.</li> <li>Insert the 4 caps provided into the hole.</li> </ul> 		<ul style="list-style-type: none"> <li>Turn the adjustable feet to set the appliance horizontally.</li> </ul>  <ul style="list-style-type: none"> <li>The appliance goes up by rotating the feet clockwise.</li> <li>The appliance comes down by rotating the feet counter-clockwise.</li> </ul>

## ■ HOW TO CONNECT INLET HOSE

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

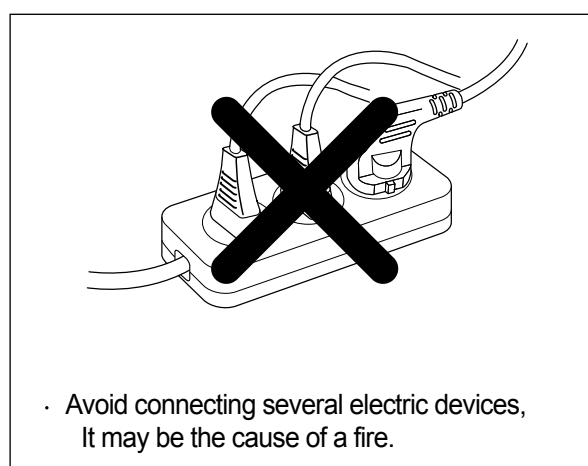
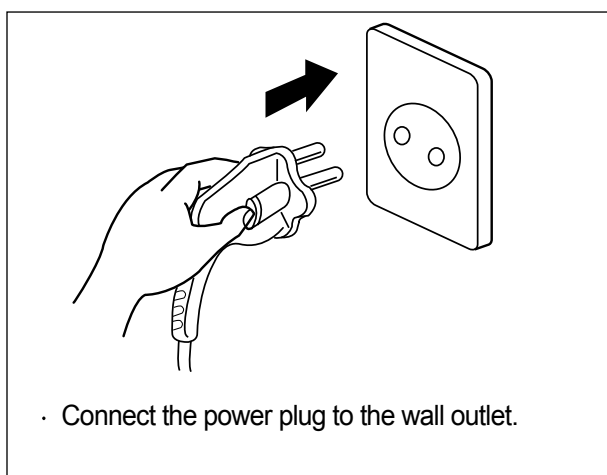


## ■ CONNECT DRAIN HOSE

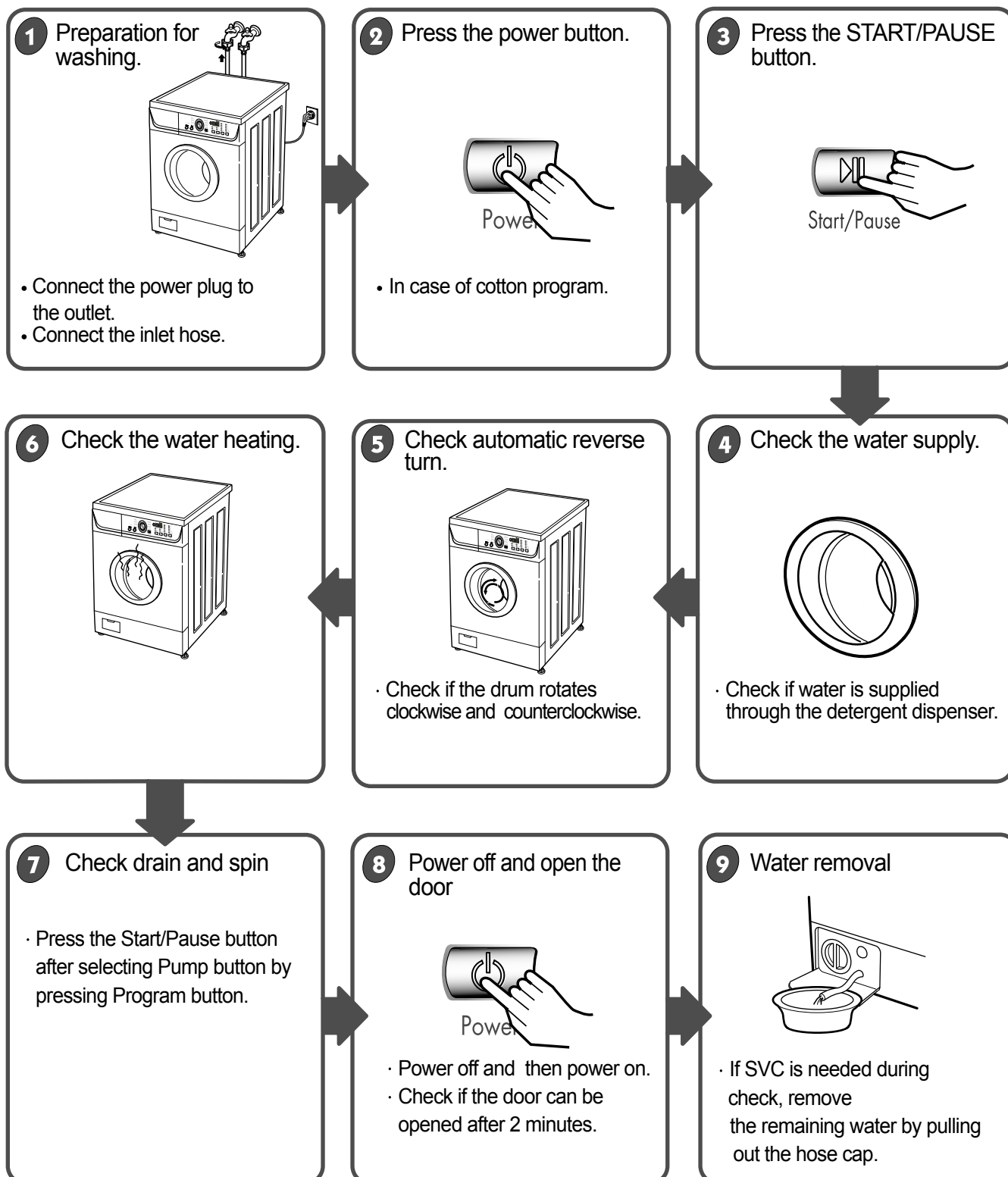


※ The drain hose should be placed under 100cm from the floor.

## ■ CONNECT POWER PLUG



## 7 TEST OPERATION



## 5. OPERATION

### Wash program selector

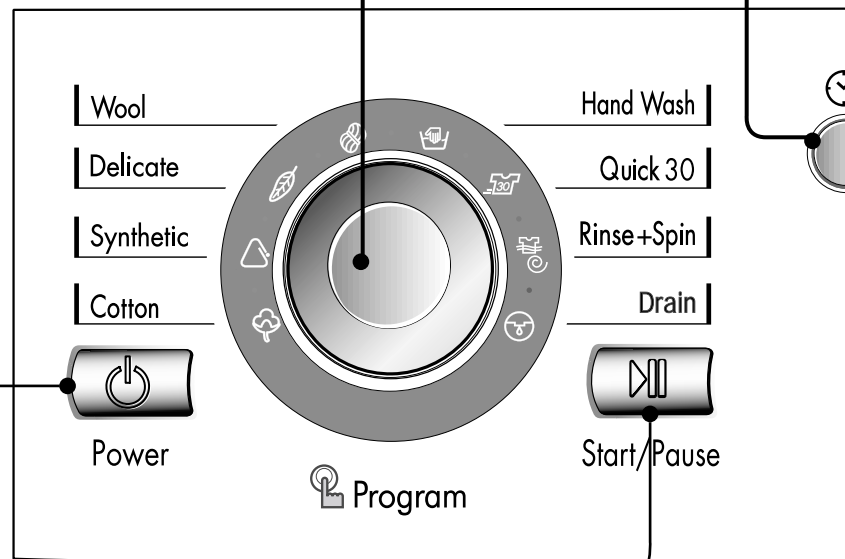
- 8 programs can be set depending on the type of the laundry.
- By pressing the button [Cotton → Synthetic → Delicate → Wool → Hand Wash → Quick 30 → Rinse+Spin → Drain] can be selected.

### 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

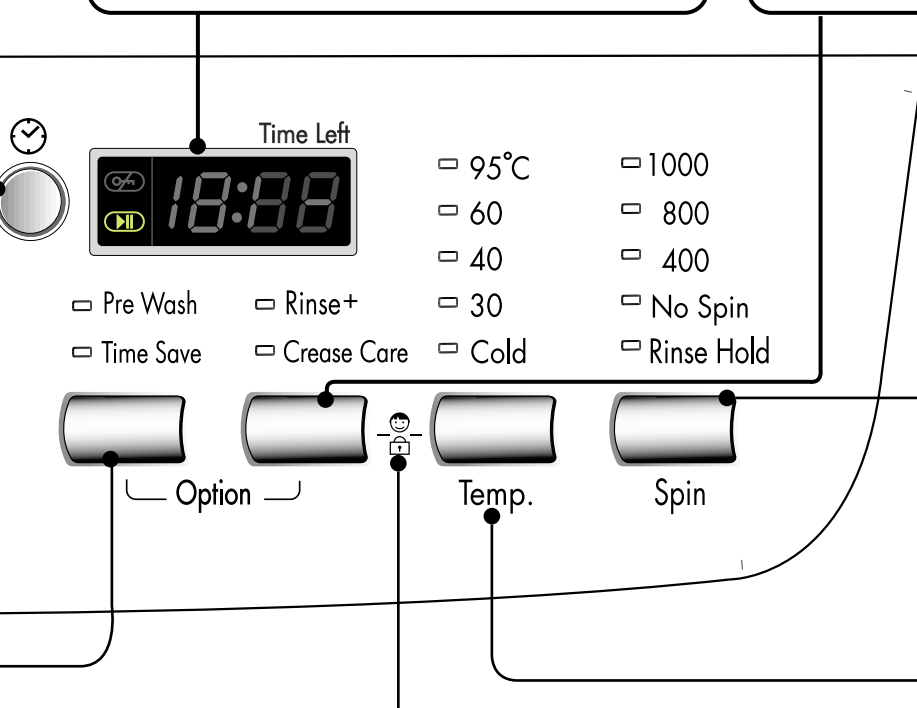
- Pre Wash :**
- If the laundry is heavily soiled, "Pre Wash" course is effective.
  - Pre Wash is available in Cotton and Synthetic Program.
- Time Save :**
- By selecting the Time Save option, the wash time may be reduced, depending on the program selected.

## 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(M)-10160(5)F**  
No Spin → Rinse Hold → 400 → 800 → 1000
- **WD(M)-80160F/WD-8016F**  
No Spin → Rinse Hold → 400 → 600 → 800
- **WD(M)-65160F**  
No Spin → Rinse Hold → 400 → 500 → 650

## 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.



[illegible]

- \* **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<sup>+</sup> 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

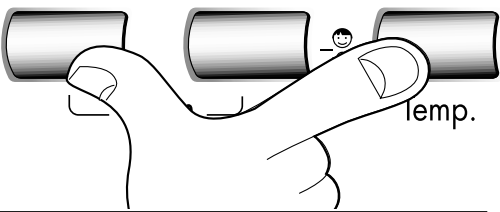
## 7-1. BEFORE PERFORMING SERVICE

- 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.

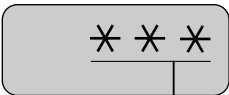
[Press the START/PAUSE button more 4 times until stop spinning]



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-80160F / WD-8016F
		Motor rpm (About 100~106): WD-10160(5)F
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<sup>-1</sup> kHz)

ex) 241 : Water level frequency = 241 X 10<sup>-1</sup> kHz  
=24.1kHz

## 7-4.ERROR DISPLAY.

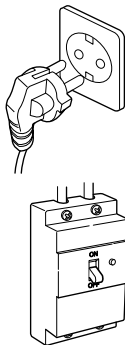



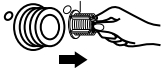
- If you press the [Start/Pause] button when an error is displayed, any error except **S/W ERROR** will disappear and the machine will change into pause status.
- In case of 『 FE 』, 『 EE 』, 『 DE 』, if the error is not resolved within 20 sec. In the case of other errors, if the error is not resolved within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




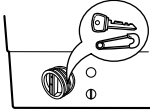
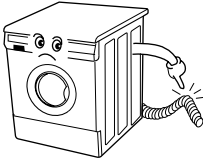
	ERROR	SYMPTOM	CAUSE
1	WATER INLET ERROR		<ul style="list-style-type: none"> <li>○ Water has not reached to the pre-set level within 4 min. since inlet valve operated, or water has not reached to the normal level within 25 min.</li> </ul>
2	IMBALANCE ERROR		<ul style="list-style-type: none"> <li>○ The appliance is tilted.</li> <li>○ Laundry is gathered to one side.</li> <li>○ Non distributable things are put into the drum.</li> </ul>
3	DRAIN ERROR		<ul style="list-style-type: none"> <li>○ Water has not drained enough within 5 min.</li> </ul>
4	OVERFLOW ERROR		<ul style="list-style-type: none"> <li>○ Water is automatically being pumped out because too much water is in the tub.</li> </ul>
5	SENSOR PRESSURE S/W ERROR		<ul style="list-style-type: none"> <li>○ The sensor pressure switch is out of order.</li> </ul>
6	DOOR OPEN ERROR		<ul style="list-style-type: none"> <li>○ The [Start/Pause] button is pressed with the door open.</li> <li>○ The door switch is out of order.</li> </ul>
7	HEATING ERROR		<ul style="list-style-type: none"> <li>○ The thermistor is out of order.</li> </ul>
8	SENSOR ERROR		

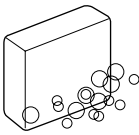
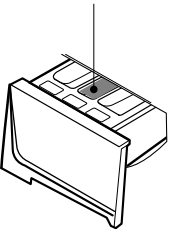
	ERROR	SYMPTOM	CAUSE
8	SENSOR ERROR		<ul style="list-style-type: none"> <li>• The electric contact between the connectors (5-pin, male in the wire harness and 5-pin female in the hall sensor) is bad or unstable. f_ Reconnect or repair the contact in the connector.</li> <li>• The connector (6-pin, male, 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. f_ Reconnect or repair the contact in the connector.</li> <li>• 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. f_ Reconnect or repair the contact in the connector.</li> <li>• The wire harness between hall sensor in the MOTOR and PWB assembly (Main) is cut (open circuited). f_ Repair/replace the damaged WIRE HARNESS.</li> <li>• The hall sensor is out of order/defective. f_ Replace the motor.</li> <li>• The controller (Main) is out of order/defective. f_ Replace the PWB assembly (Main).</li> </ul>

## 8. ERROR DIAGNOSIS AND CHECK LIST

### 8-1.DIAGNOSIS AND ANSWER FOR ABNORMAL OPERATION

SYMPTOM	GUIDE FOR SERVICE CALL
<p>NO POWER</p>	<div data-bbox="565 539 1125 904"> <p>Is the power plug connected firmly to 220-240V~ outlet?</p> <p>YES</p> <p>Power failure? or Breaker opened? Is the outlet controlled by a switch.</p> <p>NO</p> <p>Visit to check</p> </div> <div data-bbox="1219 539 1344 882">  </div>
<p>Water inlet trouble</p> <div data-bbox="240 1084 427 1144">  </div>	<div data-bbox="565 1010 1125 1823"> <p>Is  displayed?</p> <p>YES</p> <p>Is the tap opened?</p> <p>YES</p> <p>Is the tap frozen?</p> <p>NO</p> <p>Is the water supply shut-off?</p> <p>NO</p> <p>Is filter in the inlet valve clogged with foreign material?</p> <p>YES</p> <p>NO</p> <p>Visit to check</p> </div> <div data-bbox="1235 1137 1336 1503">  </div> <div data-bbox="1203 1518 1425 1720"> <p>Clean the filter of inlet valve</p>  </div>

SYMPTOM	GUIDE FOR SERVICE CALL
<p>◦ DOOR OPEN ERROR</p> <p>Refer to 7-3 ERROR DISPLAY</p>	<div data-bbox="540 421 1372 813"> <div data-bbox="540 421 1099 535">Did you press the <b>Start/Pause</b> button when the door is open?</div> <div data-bbox="1099 456 1170 510">YES</div> <div data-bbox="1170 421 1372 593">           Close the door   </div> <div data-bbox="797 611 841 640">NO</div> <div data-bbox="540 741 1099 813">Visit to check</div> </div> <p><b>Check if the door switch is O.K</b></p>
<p>◦ Drain Trouble</p> <div data-bbox="235 1041 422 1104">  </div>	<div data-bbox="540 929 1442 1440"> <div data-bbox="540 929 1070 1028">Is  displayed?</div> <div data-bbox="792 1032 846 1061">YES</div> <div data-bbox="540 1072 1117 1178">Is the debris filter clogged with foreign material such as pins, coins, etc.?</div> <div data-bbox="1057 1111 1110 1140">YES</div> <div data-bbox="1117 1072 1263 1178">Clean up the filter.</div> <div data-bbox="1292 1032 1442 1142">  </div> <div data-bbox="797 1178 841 1207">NO</div> <div data-bbox="540 1225 1075 1326">Is the drain hose frozen with water, kinked, or crushed?</div> <div data-bbox="797 1330 841 1359">NO</div> <div data-bbox="540 1373 1075 1440">Visit to check</div> <div data-bbox="1198 1216 1401 1373">  </div> </div>

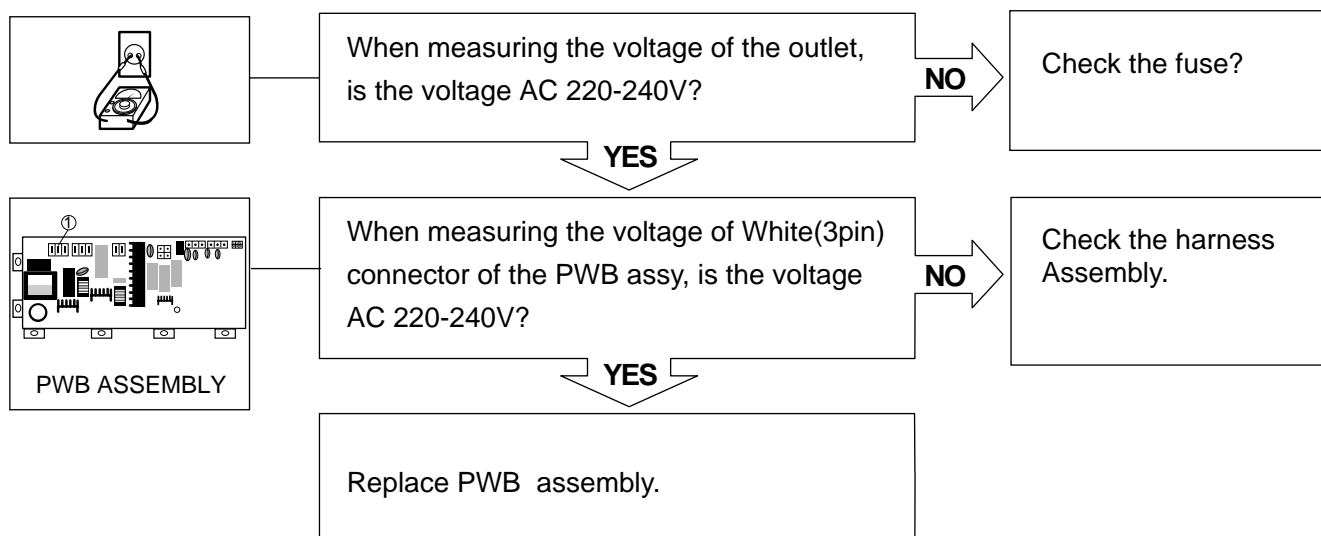
SYMPTOM	GUIDE FOR SERVICE CALL
<p>◦ Suds overflow from the appliance. (In this condition, wash and spin do not operate normally)</p>	<div data-bbox="586 394 1144 495">Is low-sudsing detergent for the drum washing machine used?</div> <div data-bbox="797 495 933 539">YES</div> <div data-bbox="586 551 1144 651">Is the proper amount of detergent used as recommended?</div> <div data-bbox="797 651 933 696">YES</div> <div data-bbox="586 696 1144 797">Recommend to reduce the amount of detergent.</div> <div data-bbox="634 797 1382 999"> <p>* This appliance has the automatic suds sensing function which operates under much suds condition for good rinse and preventing overflow.</p> <p>* When much suds are sensed, the suds removing function such as drain, water input, and pause will operate without rotating the drum.</p> </div> <div data-bbox="1243 405 1382 539">  </div> <div data-bbox="1219 539 1398 618"> <p>LOW SUDSING DETERGENT</p> </div>
<p>◦ No effect of softener</p>	<div data-bbox="586 1070 1144 1171">Is softener put in the correct compartment of drawer?</div> <div data-bbox="797 1171 933 1216">YES</div> <div data-bbox="586 1227 1144 1305">Is the drawer closed during wash?</div> <div data-bbox="797 1305 933 1350">YES</div> <div data-bbox="586 1350 1144 1429">Is the softener cap clogged?</div> <div data-bbox="797 1429 933 1473">YES</div> <div data-bbox="586 1473 1144 1541">Explain how to use softener</div> <div data-bbox="646 1547 1076 1581">Clean the compartment for softener</div> <div data-bbox="1203 1111 1398 1178"> <p>Compartment for softener</p> </div> <div data-bbox="1179 1200 1349 1429">  </div>
<div data-bbox="212 1626 334 1682">FE</div> <div data-bbox="367 1626 488 1682">SE</div> <div data-bbox="212 1693 334 1749">FE</div> <div data-bbox="212 1760 334 1816">EE</div>	<div data-bbox="581 1686 1144 1753">Visit to check</div>

## 8-2.FAULT DIAGNOSIS AND TROUBLESHOOTING

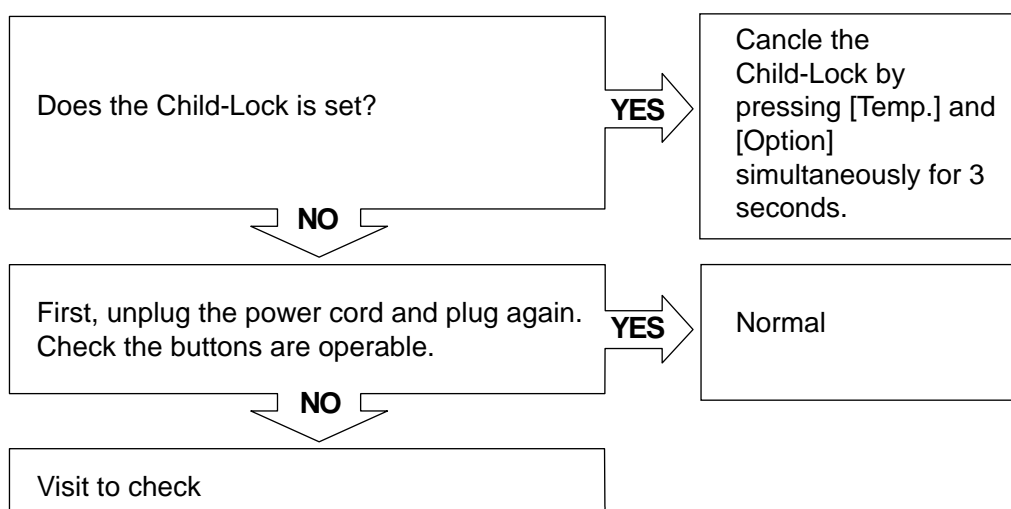
### CAUTION

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

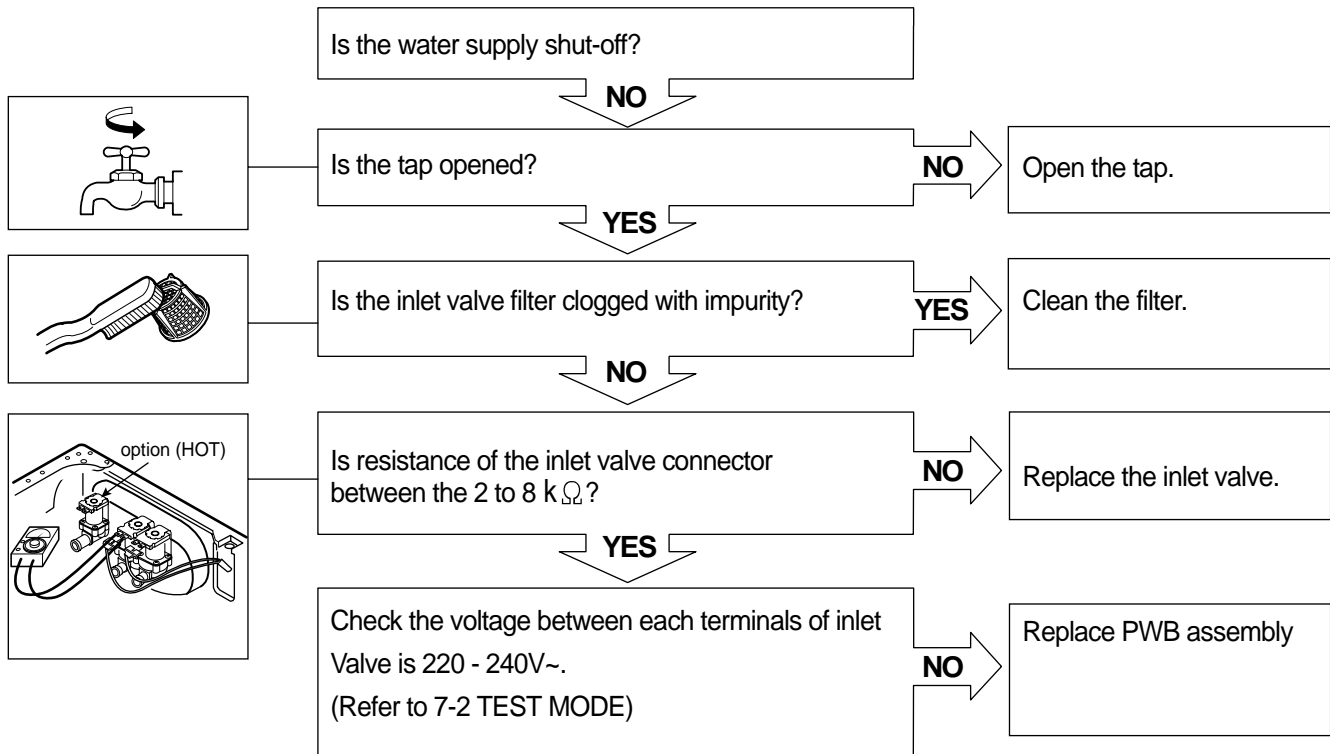


### ALL BUTTONS ARE INOPERABLE EXCEPT POWER BUTTON

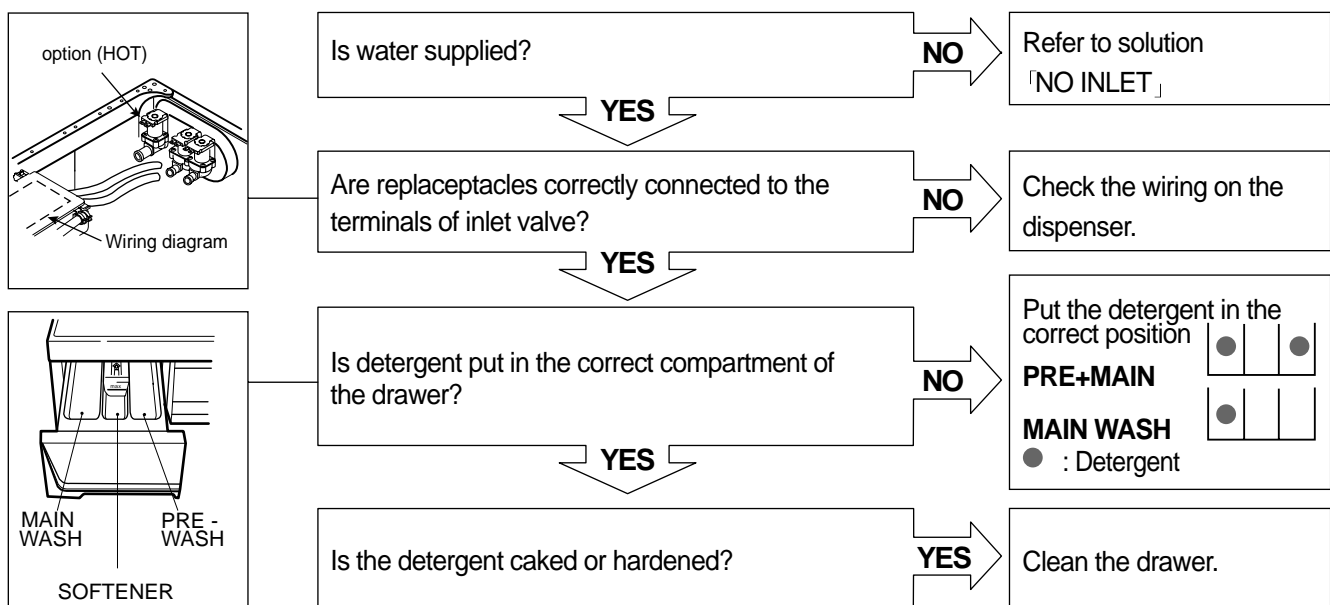




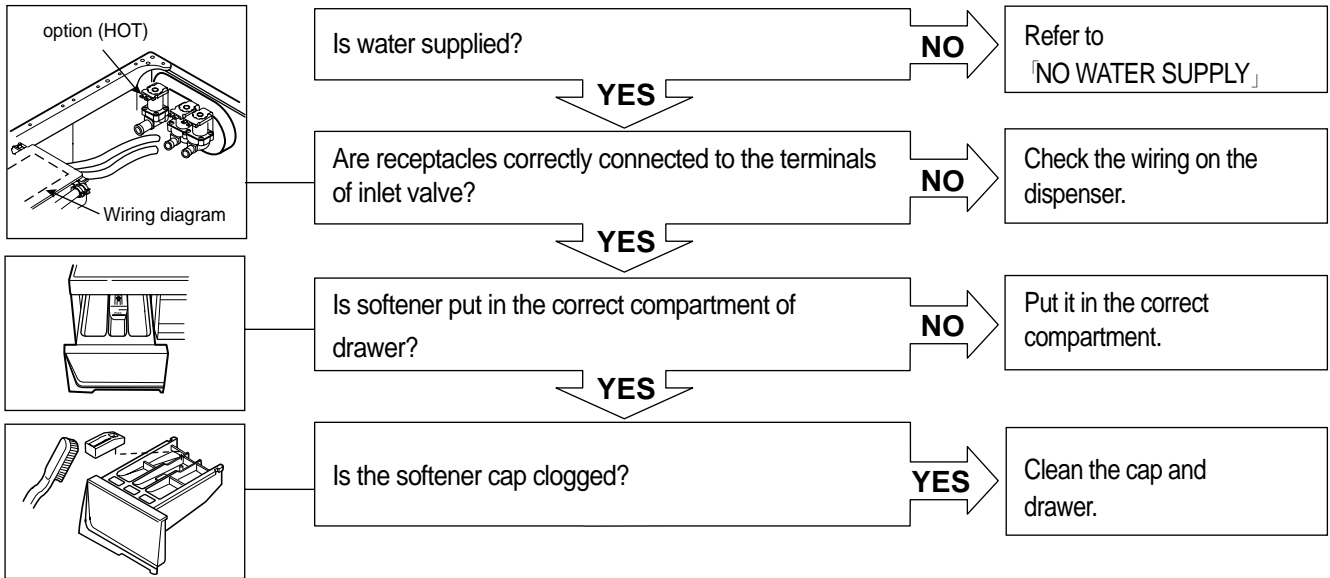
## NO WATER SUPPLY



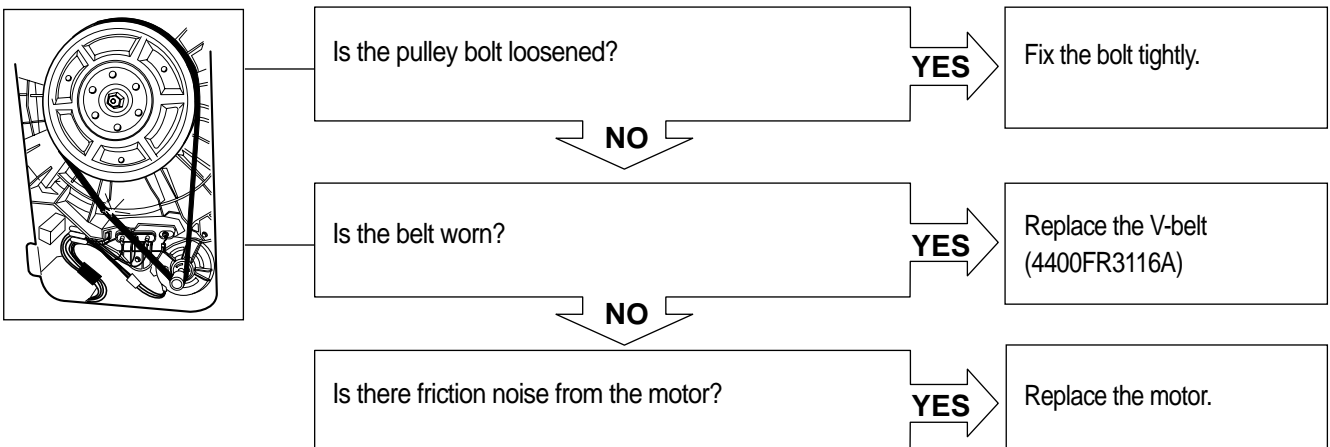
## DETERGENT DOES NOT FLOW IN



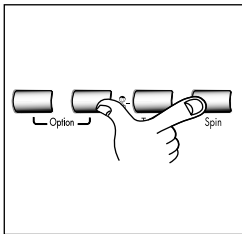
## SOFTENER DOES NOT FLOW IN



## ABNORMAL SOUND



## HEATING WITHOUT WATER

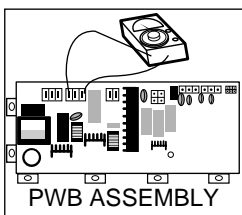


When pressing [Option] and [Spin] at the same time after draining, is the water level frequency 252 or more?  
When pressing [Option], [Spin] buttons at the same time while wash, is the water level frequency between 220 - 240?

**NO**

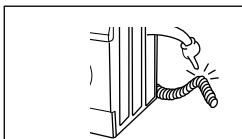
Replace the sensor (pressure).  
Replace the sensor (pressure).

**YES**



Replace the PWB assembly.

## DRAIN MALFUNCTIONING

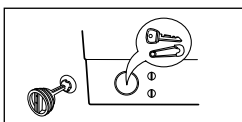


Is the drain hose twisted or frozen?

**YES**

Repair drain hose

**NO**

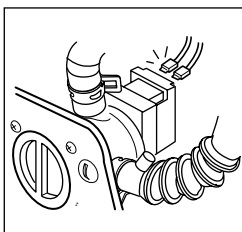


Is the impeller of the drain pump clogged?

**YES**

Remove foreign material.

**NO**



Is the connector disconnected, disassembled?

**YES**

Reconnect or repair the connector

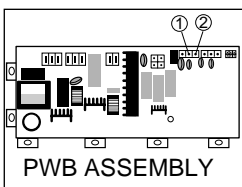
**NO**

Is the coil of drain pump cut-off?  
(resistance of coil is 90~160  $\Omega$ )

**YES**

Replace the pump assembly

**NO**

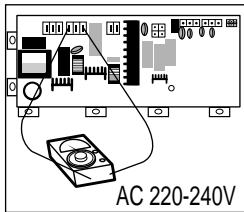


When checking voltage between connectors (①, ②) on spinning, is the voltage 220 - 240V~ as the figure?

**NO**

Replace the PWB

## WASH HEATER TROUBLE

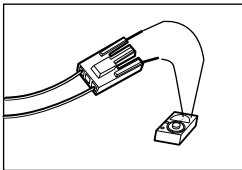


When checking the voltage between two receptacles of the PWB assembly during washing.  
Is the voltage AC 220-240V?

**NO**

Replace the PWB assembly.

**YES**

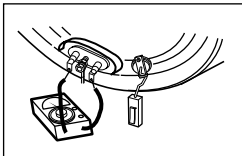


After power off, is the resistance between yellow wire and red wire of connector 10 to 30  $\Omega$ ?

**YES**

Normal.

**NO**

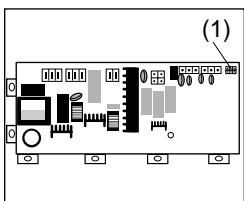


After power off, is the resistance of heater 10 to 30  $\Omega$ ?

**NO**

Replace the heater assembly.

## HEATING CONTINUOUSLY ABOVE THE SETTING WATER TEMPERATURE

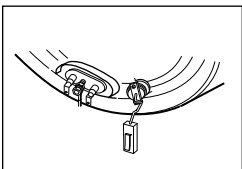
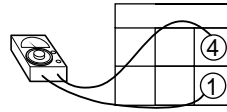


When disconnect the connector (1) on the PWB assembly is the resistance of the Natural connectors [①( White), ④(Blue / White)] between 2.5k  $\Omega$  to 180k  $\Omega$  (105°C~0°C)?

**NO**

Replace the thermistor

**YES**

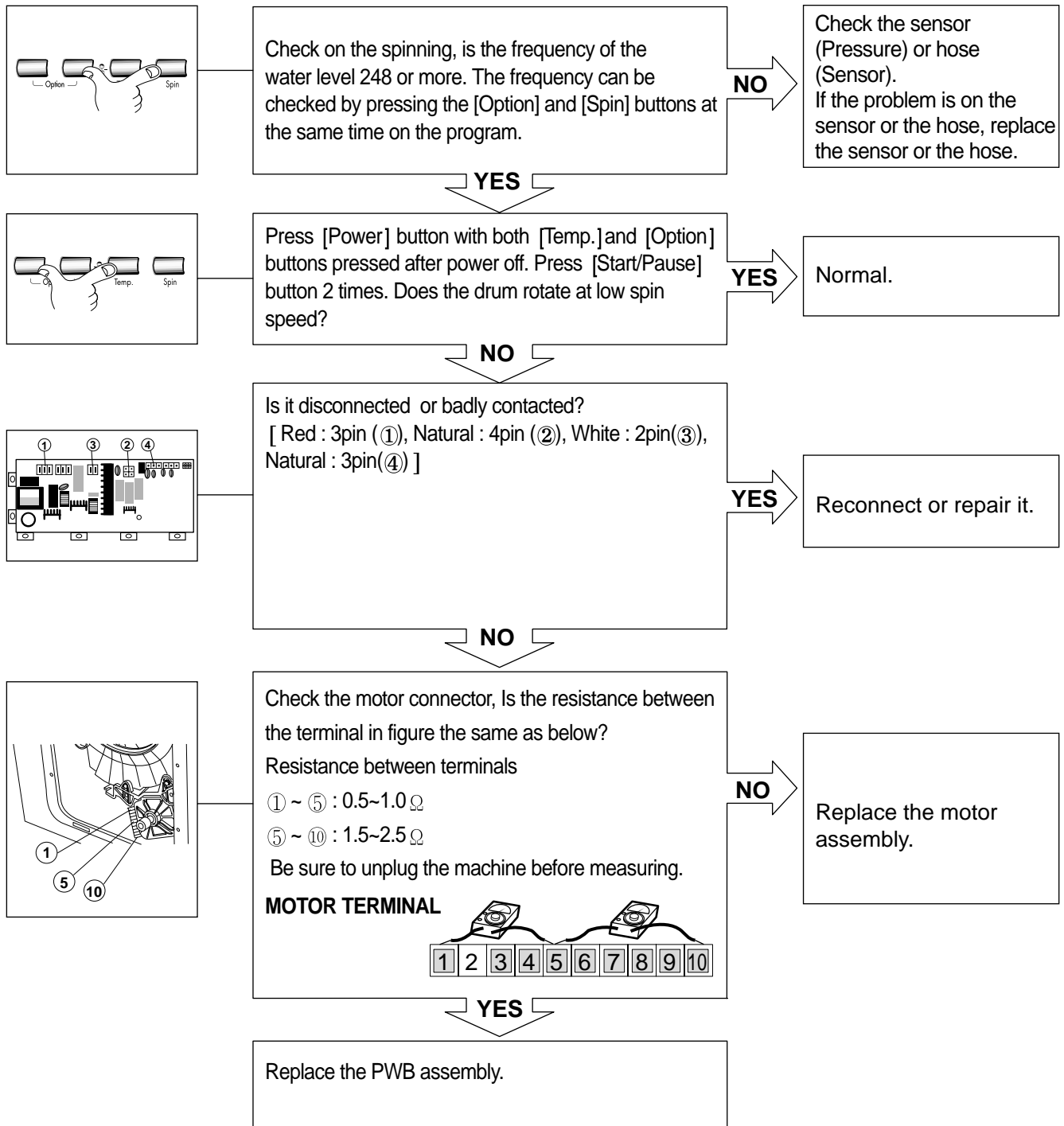


When checking thermistor on the tub, is the thermistor loosened above 2mm from the rubber?

**YES**

Push the thermistor tightly to the rubber.

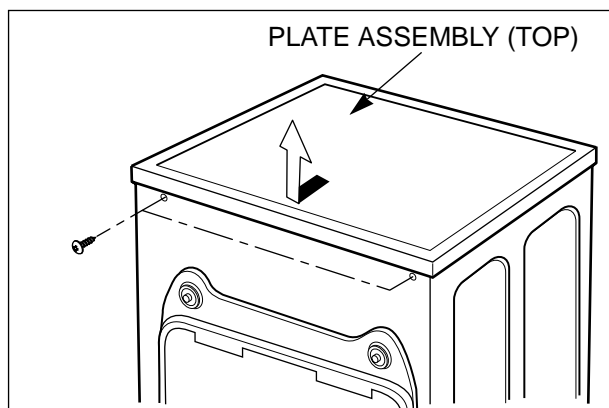
## SPIN TROUBLE



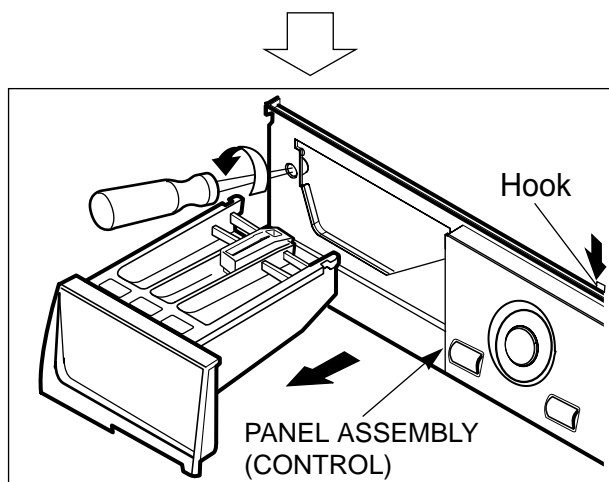
## 9. DISASSEMBLY INSTRUCTIONS

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

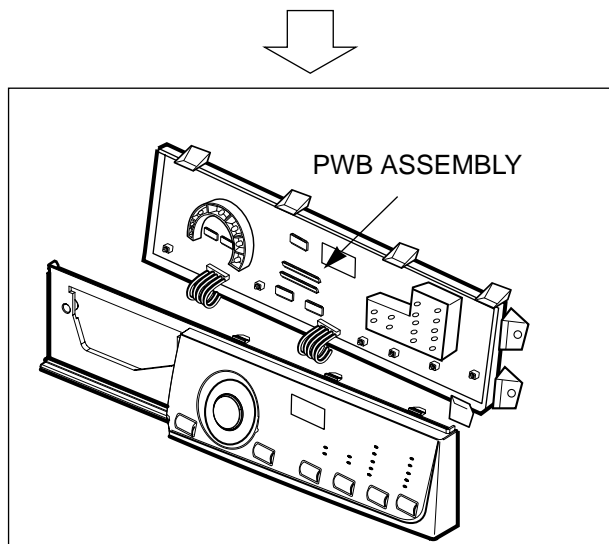
### CONTROL PANEL



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

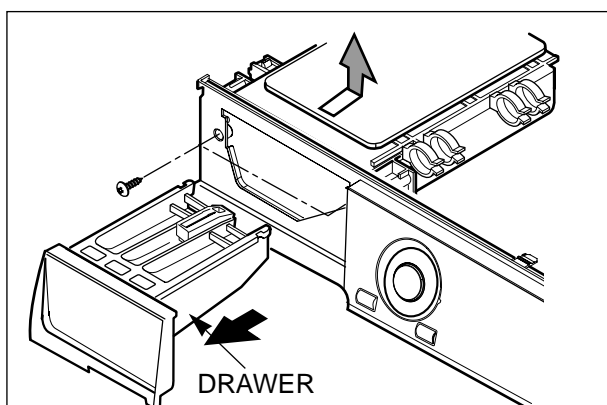


- ① Disconnect the PWB Assembly connector from Main lead wire Assembly.
- ② Pull out the drawer and unscrew 2 screws.
- ③ Push upper hooks down on the top and pull the control panel.

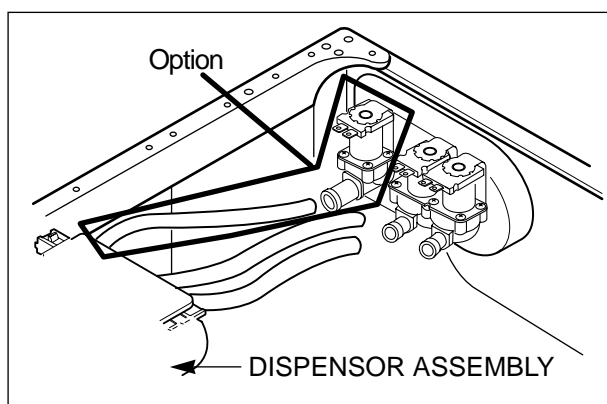


- ① Disconnect the PWB assembly from the control panel by pushing 4 hooks down.

## DISPENSER ASSEMBLY

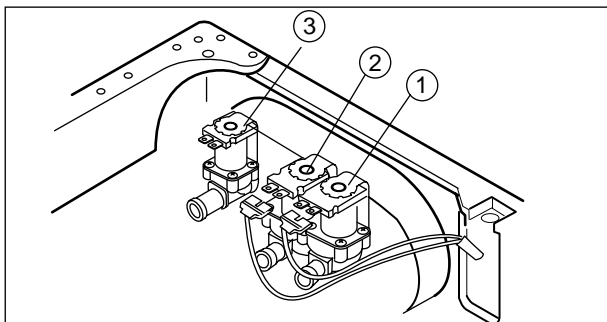


- ① Disassemble the top plate assembly.
- ② Pull out the drawer to arrow direction.
- ③ Unscrew 2 screws.



- 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



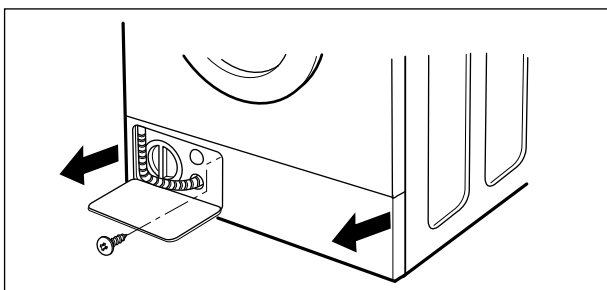
① Disconnect the wiring receptacle.

② Unscrew 2 screws from the back.

※When reconnecting the connector

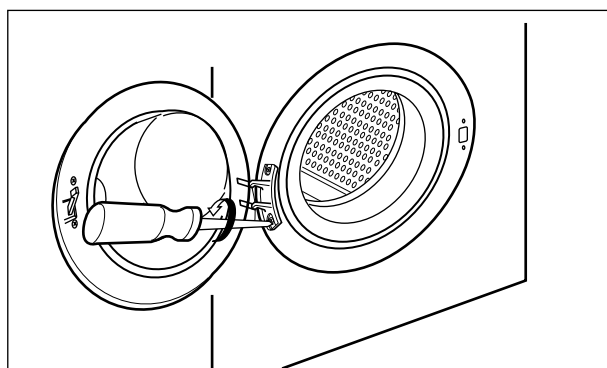
VALVE #1 (MAIN)	Whited/Black-Black
VALVE #2 (PRE)	Black - Gray
VALVE #3 (HOT)	Blue/White - Black

## 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



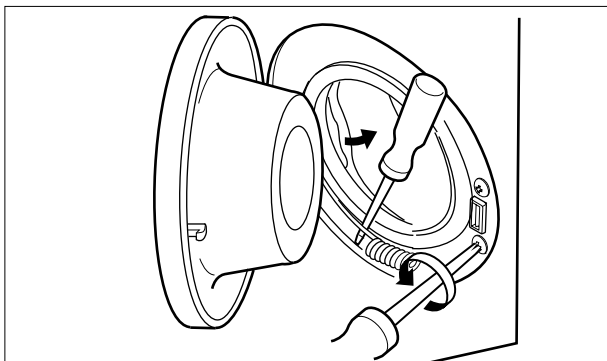
① Open the door completely.

② Remove the two screws from the hinge.

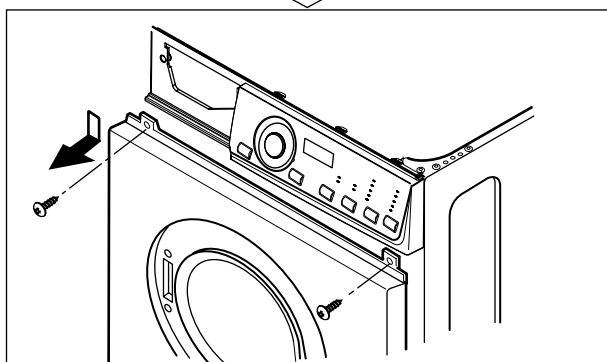
※When removing the door assembly, it is necessary to hold the bracket that is inner of the cabinet cover.



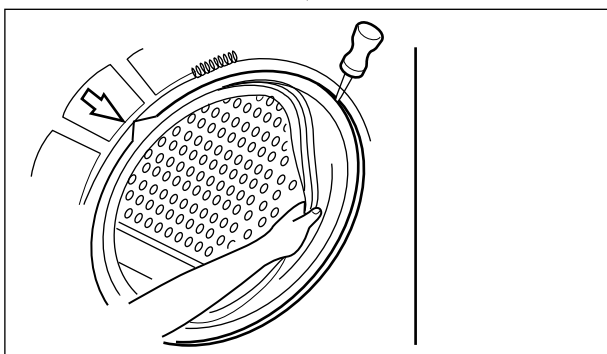
## GASKET ASSEMBLY



- 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.

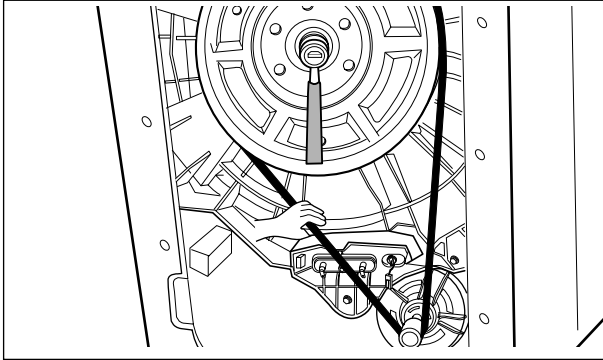


- ① Unscrew all the screws on the upper and lower sides of the cabinet cover.



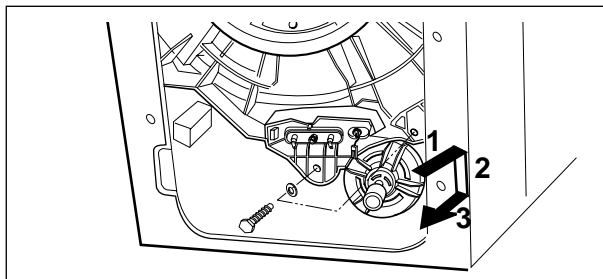
- ① Take apart the tub gasket clamp.
  - ② Make sure that the drain hole of the gasket is put beneath when reassembling the gasket.
- ※ Refer to the arrow mark on the tub cover.

## PULLEY, MOTOR, DAMPER



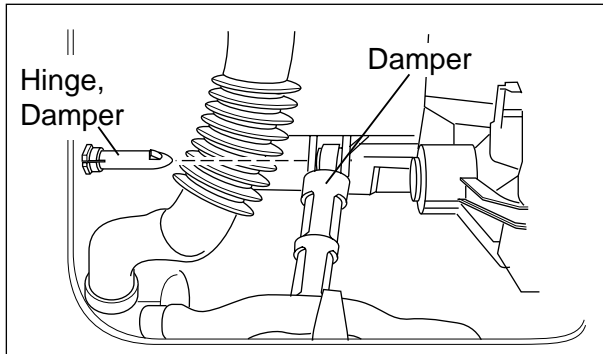
(PULLEY)

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



(MOTOR)

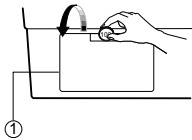
- ① Unscrew 2 screws from the bracket.
- ② Push the motor in the arrow direction for disassembling.
- ③ When reassembling the motor, make sure that motor mounting bushings are not taken off from the bracket.



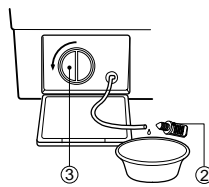
(DAMPER)

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

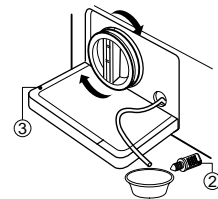
## ■ Clean the drain pump filter



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

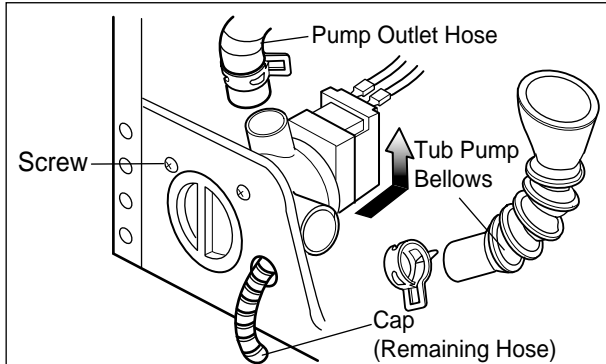


Unplug the drain plug (②), then the water flows out, At this time use a vessel to prevent water flowing on the floor. If the water does not flow any more, turn the pump filter (③) open to the left.



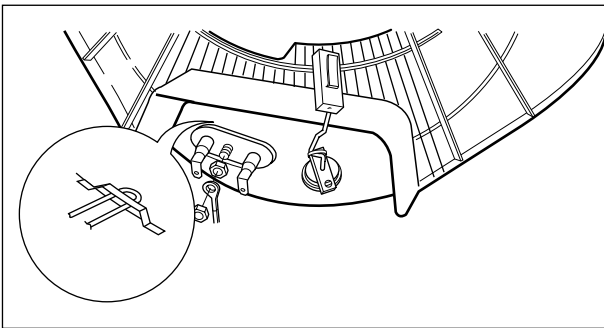
Take out any foreign material from the pump filter ( ③ ). After cleaning, turn the pump filter(③) clockwise and insert the drain plug ( ② ) to the original place. close the lower cover cap.

## 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

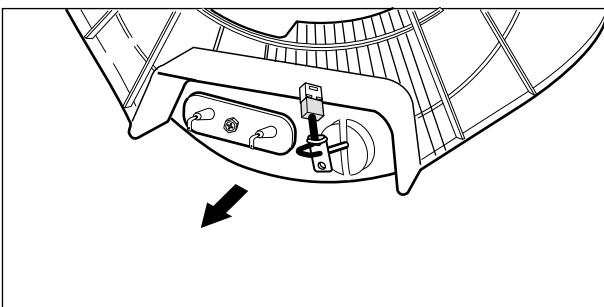


- ① Loosen the M6 heater nut to pull out the heater.

### CAUTION

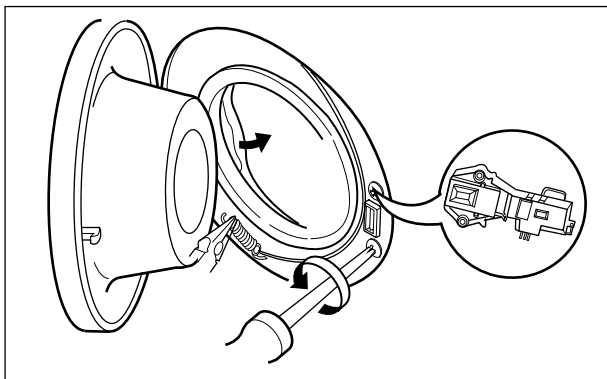
When mounting the heater, be sure to insert the heater into the heater clip on the bottom of the tub.

## THERMISTOR



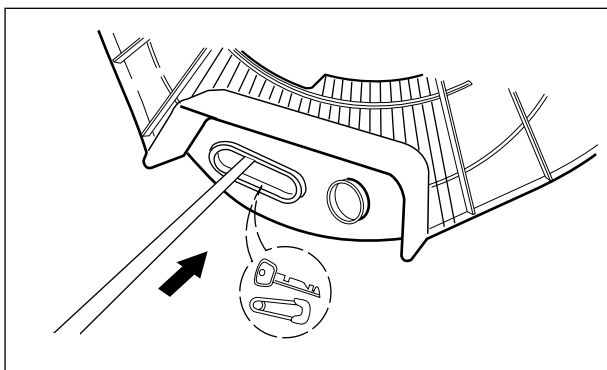
- ① Pull it out by holding the thermistor bracket.  
\* If it is pulled by the wire, it may be broken.
- ② When mounting the thermistor again, make sure that it is got back tight to the bushing.

## 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.

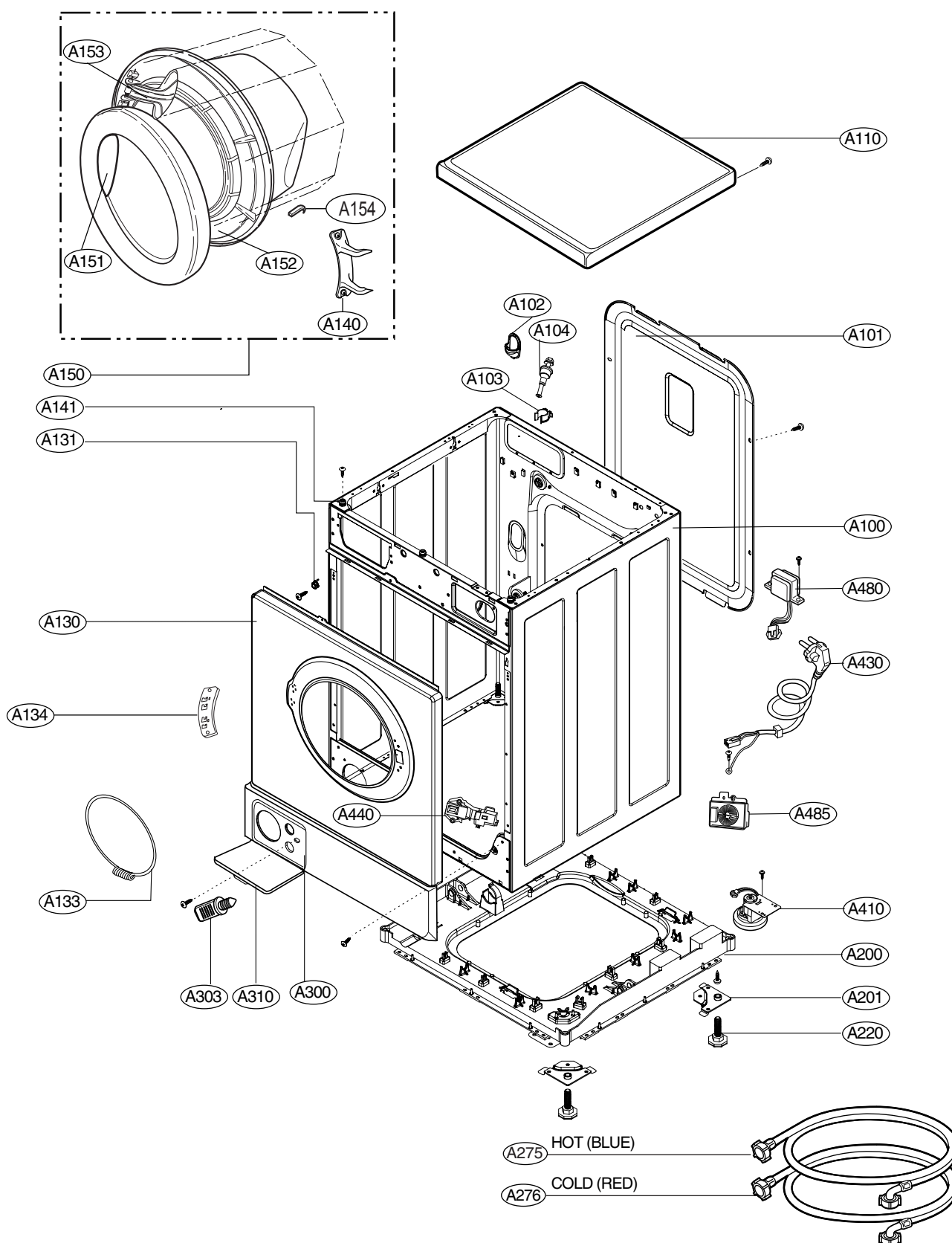
## WHEN FOREIGN MATERIAL IS STUCK BETWEEN DRUM AND TUB



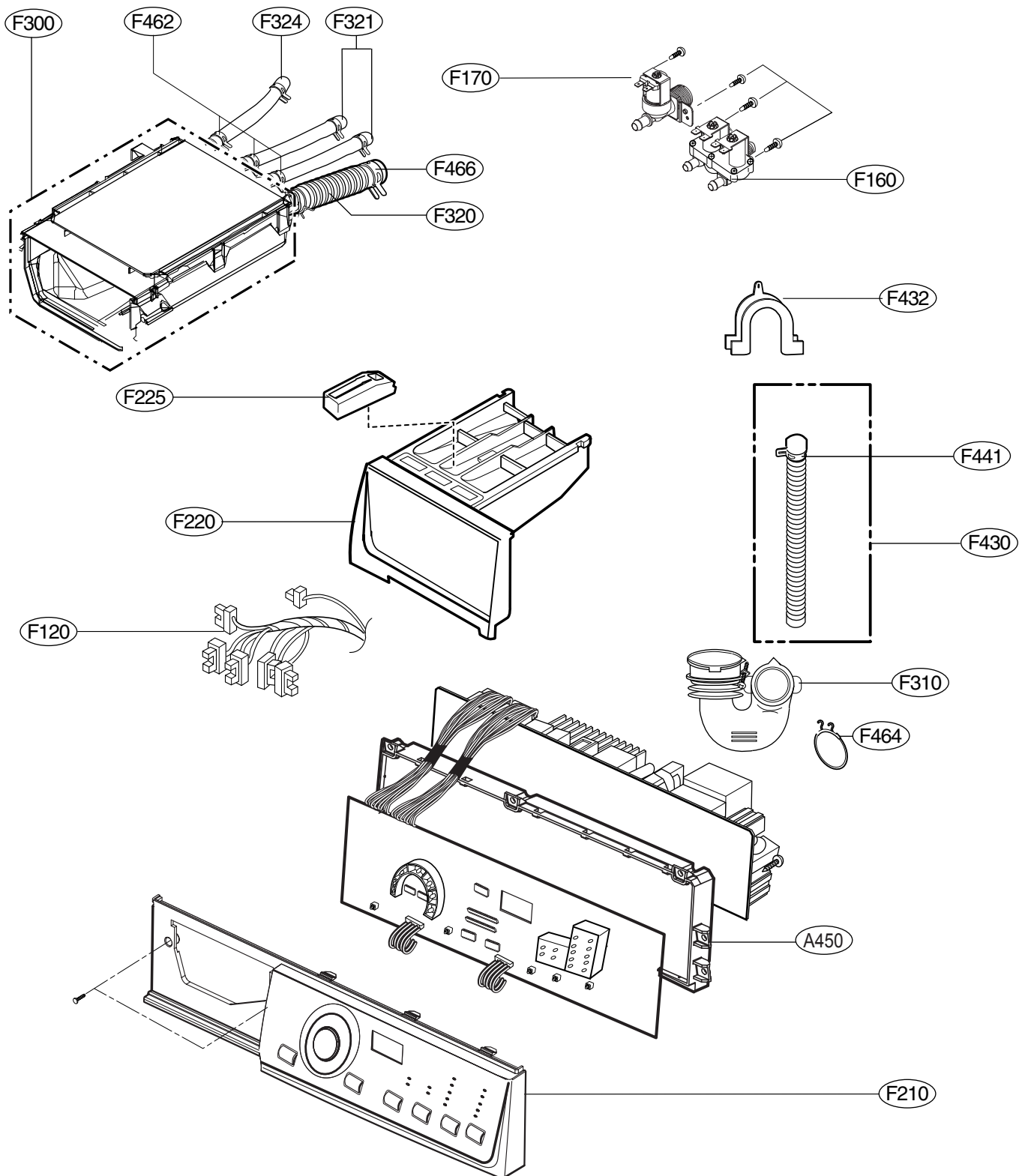
- ① Remove the heater.
- ② Remove the foreign material (wire, coin and others) by inserting a long bar through the hole.

# 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

