



WASHING MACHINE SERVICE MANUAL

CAUTION

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

MODEL : WD-1255RD/WD-1256RD

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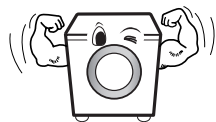
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1. SPECIFICATION

ITEM		WD-1255RD, WD-1256RD
POWER SUPPLY		220-240V~, 50Hz
PRODUCT WEIGHT		94kg
ELECTRICITY CONSUMPTION	WASHING	200W
	SPIN	300W
	FAN MOTOR	13W
	DRAIN MOTOR	30W
	WASH HEATER	2000W
	DRY HEATER	2100W
REVOLUTION SPEED	WASH	46rpm
	SPIN	No Spin/400/800/1000/1200
OPERATION WATER PRESSURE		0.3-10kgf/cm ² (30-1000kPa)
CONTROL TYPE		Electronic
WASH CAPACITY		10kg
DRY CAPACITY		6kg
DIMENSION		686mm(W) × 767mm(D) × 982mm(H)
WASH PROGRAM		Cotton, Sythetic, Delicate, Wool/Silk, Hand Wash, Duvet, Quick 30, Refresh, Baby Care
Option		Pre Wash, Rinse+Spin, Dry only, Less Steam, Eco Steam
RINSE		Rinse ⁺ +Hold, Normal+Hold, Medic Rinse, Rinse ⁺ ·Normal
DOOR SWITCH TYPE		PTC+Solenoid Type
WATER LEVEL		10 steps (by sensor)
RESERVATION		From 3 hours to 19 hours
SENSING OF THE LAUNDRY AMOUNT		Adapted
FUZZY LOGIC		Adapted
DISPLAY OF THE REMAINING TIME		Adapted
ERROR DIAGNOSIS		13 items
POWER AUTO OFF		Adapted
CHILD LOCK		Adapted
AUTO RESTART		Adapted
TIME SAVE		Adapted
TURBO STEAM		Adapted

2. FEATURES & TECHNICAL EXPLANATION

2-1.FEATURES



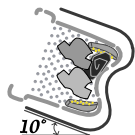
- **Ultra Capacity**

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.



- **Direct Drive System**

The advanced Brushless DC motor directly drives the drum without belt and pulley.



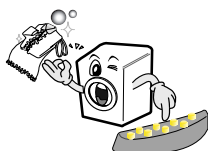
- **Tilted Drum and Extra Large Door Opening**

Tilted drum and extra large opening make it possible to load and unload clothing more easily.



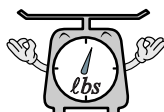
- **Steam Washing and SteamFresh™**

Steam Washing features upgraded washing performance with low energy and water consumption. SteamFresh™ cycle removes wrinkles from dry clothes.



- **RollerJets**

Washing ball enhances the wash performance and reduces damage to the clothing. The jets spray and help tumble clothes to enhance washing performance while maintaining fabric care.



- **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.

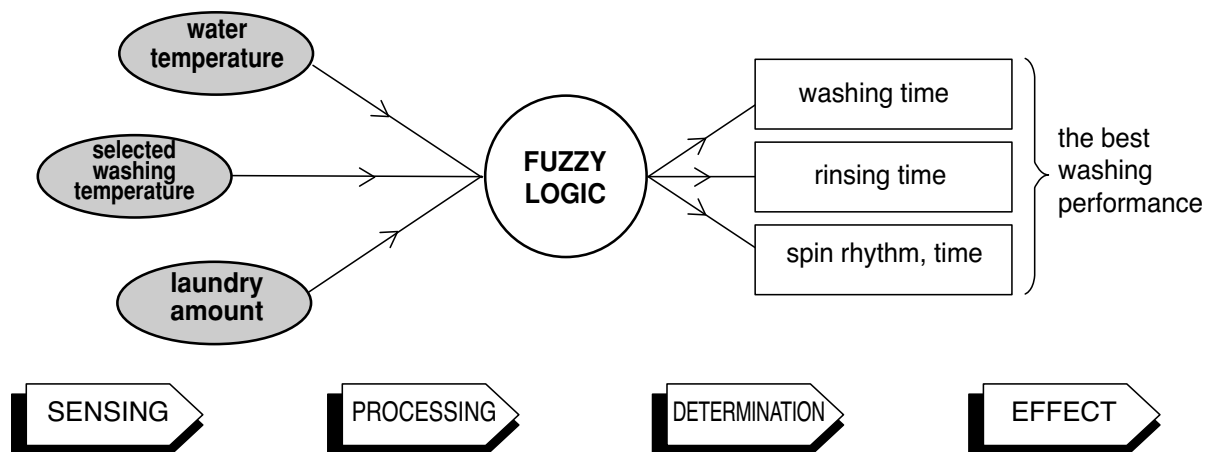


- **Child Lock**

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

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.
- Water supply is stopped when the water level to the preset level, then washing program proceeds.
- Spinning does not proceed until the water in the tub reduces to a certain level.

2-4. DOOR CONTROL

- The door can be opened by pulling the door handle whenever washer is not in operation.
- When the cycle is completed, the DOOR LOCKED light will turn off.
- If a power failure has occurred while in operation, the door will unlock after 5 minutes.
- Clicking sounds can be heard when the door is locked/unlocked.


2-5. THE DOOR CAN NOT BE OPENED

- While program is operating
- When a power failed and power plug is taken out in operation
- While Door Lock lights turn on.
- While the motor is in the process of inertial rotating, through the operation is paused.

2-6. DOOR LOCKED LAMP LIGHTS

- When the frequency of water level is lower than 22.9 kHz
(It can be canceled when the frequency is more than 23.8 kHz)
- When the temperature inside the tub is higher than 45 °C and water level is not 25.5 kHz
(It can be canceled when the water level is 25.5 kHz or the temperature inside the tub is lower than 40 °C)

2-7. CHILD LOCK

- Use this option to prevent unwanted use of the washer. Press and hold the Option and Rinse button for 3 seconds to lock/unlock control.
- When Child lock is set, CHILD LOCK lights and all buttons are disabled except the Power  button. You can lock the washer while it is operating.

2-8. WATER CIRCULATION

- When Washing and Rinsing function of shower at the upper part of Gasket.
- When Washing, it continuously operates for 3 minutes and intermittently.
- When Rinsing, it continuously operates after completion of water supply.

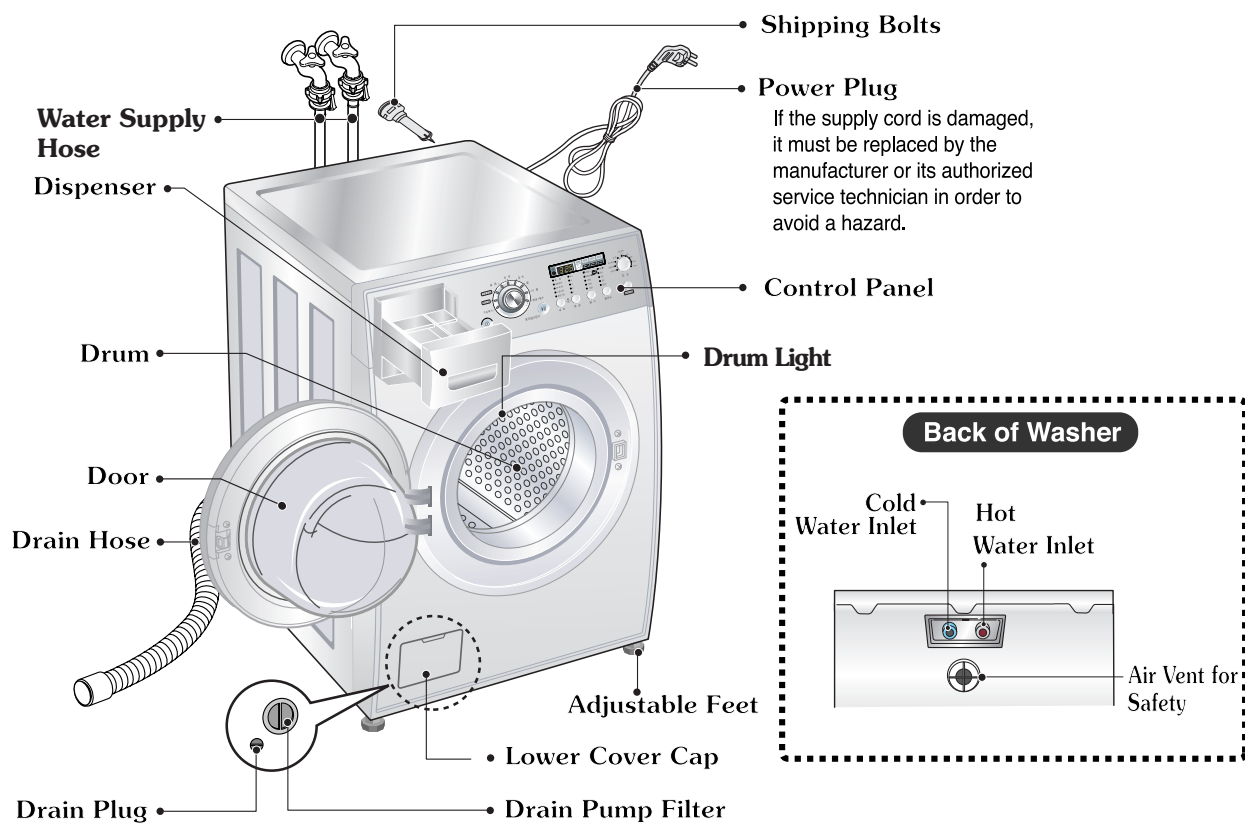
2-9. STEAM

- For tough stained clothes, underwear, or baby clothes.
- Steam Wash is available with Sanitary, Bulk/Large, Perm. Press, Cotton/Normal, and baby Wear cycles.
- This option features upgraded washing performance with low energy and water consumption
- Do not load delicates such as wool, silk, and easily discolored clothes.

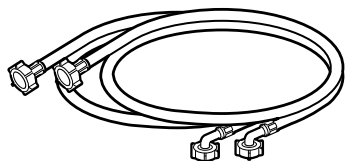
2-10. DRUM LIGHT

- The Drum Light comes on when the Power button is pressed. It goes off when the door is closed and the washer starts operation.
- The Drum Light remains off when the door is locked.
- The Drum Light comes on when the washing cycle is finished and goes off 4~8 minutes later.

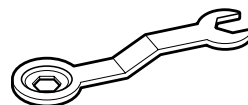
3. PARTS IDENTIFICATION



■ ACCESSORIES



Inlet hose(2EA)



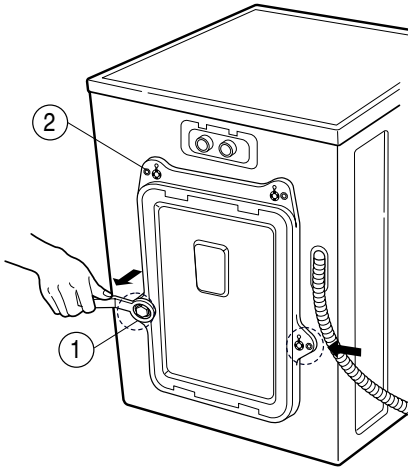
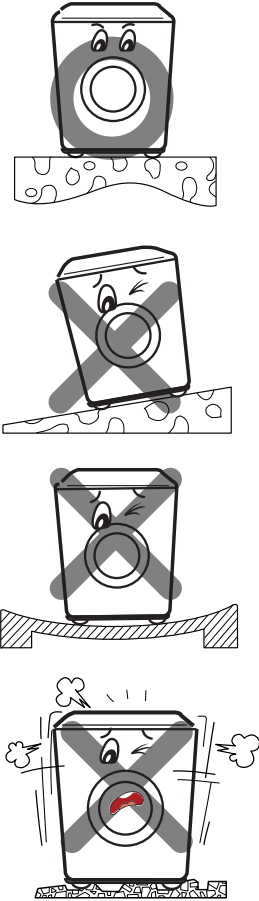
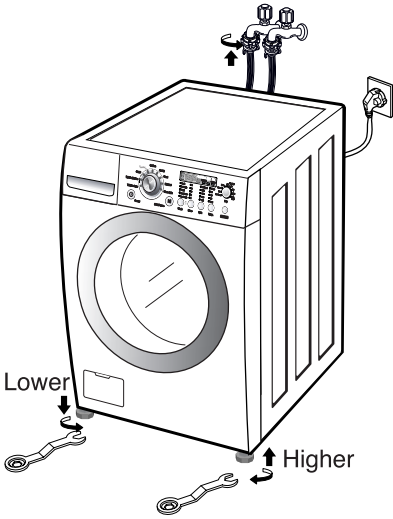
Spanner

4. INSTALLATION

- 1 Before servicing ask troubles of customers
- 2 Check the adjustment(power supply is 220-240V~, remove the transit bolts....)
- 3 Check the troubles referring to the trouble shooting.
- 4 Decide service steps referring to disassembly instructions.
- 5 And then, service and repair.
- 6 After servicing, operate the appliance whether it works O·K or NOT.

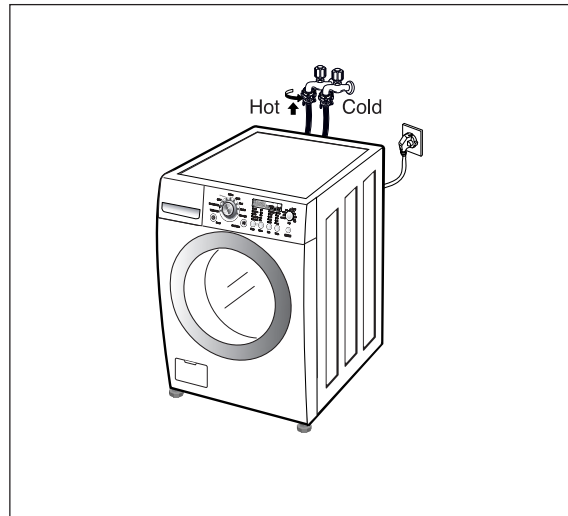
■ STANDARD INSTALLATION

The appliance should be installed as follows.

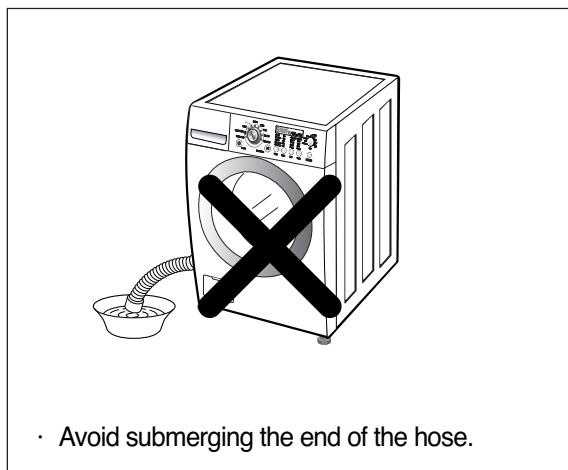
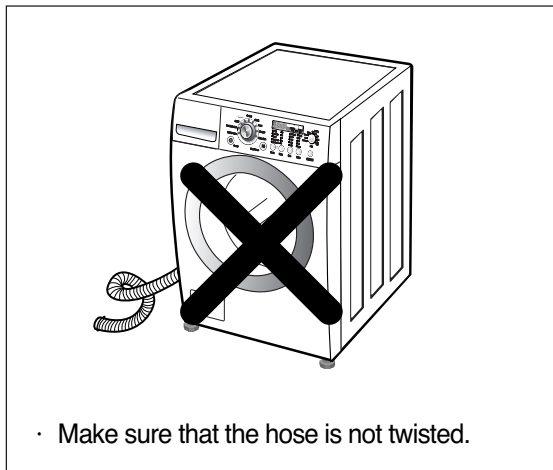
REMOVE THE TRANSIT BOLTS	INSTALL THE APPLIANCE ON FLAT AND FIRM SURFACE	ADJUST THE LEVELING
<div><ul style="list-style-type: none">Remove the transit bolts (4EA:①)with supplied spanner.Keep the transit bolts and spanner for future use.Insert the 4 caps provided into the hole</div> <div></div>	<div></div>	<div><ul style="list-style-type: none">Turn the leveling feet to adjust the appliance.</div> <div></div> <div><ul style="list-style-type: none">Turn clockwise to raise; counterclockwise to lower.</div>

■ HOW TO CONNECT INLET HOSE

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

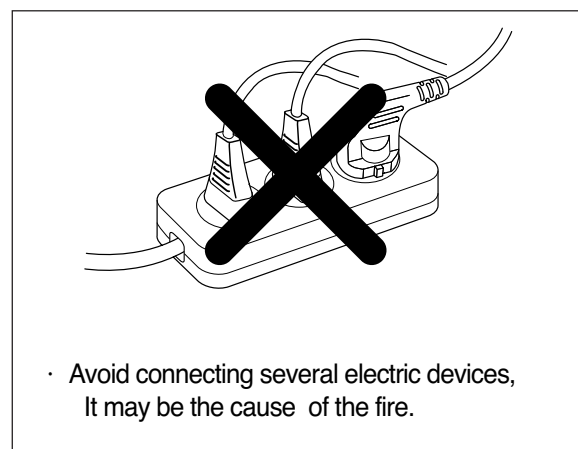
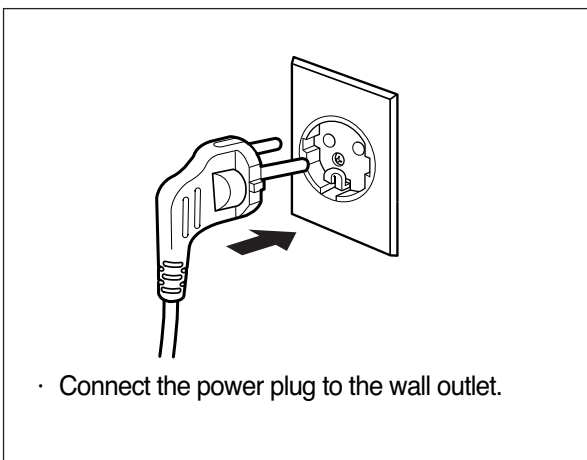


■ CONNECT DRAIN HOSE

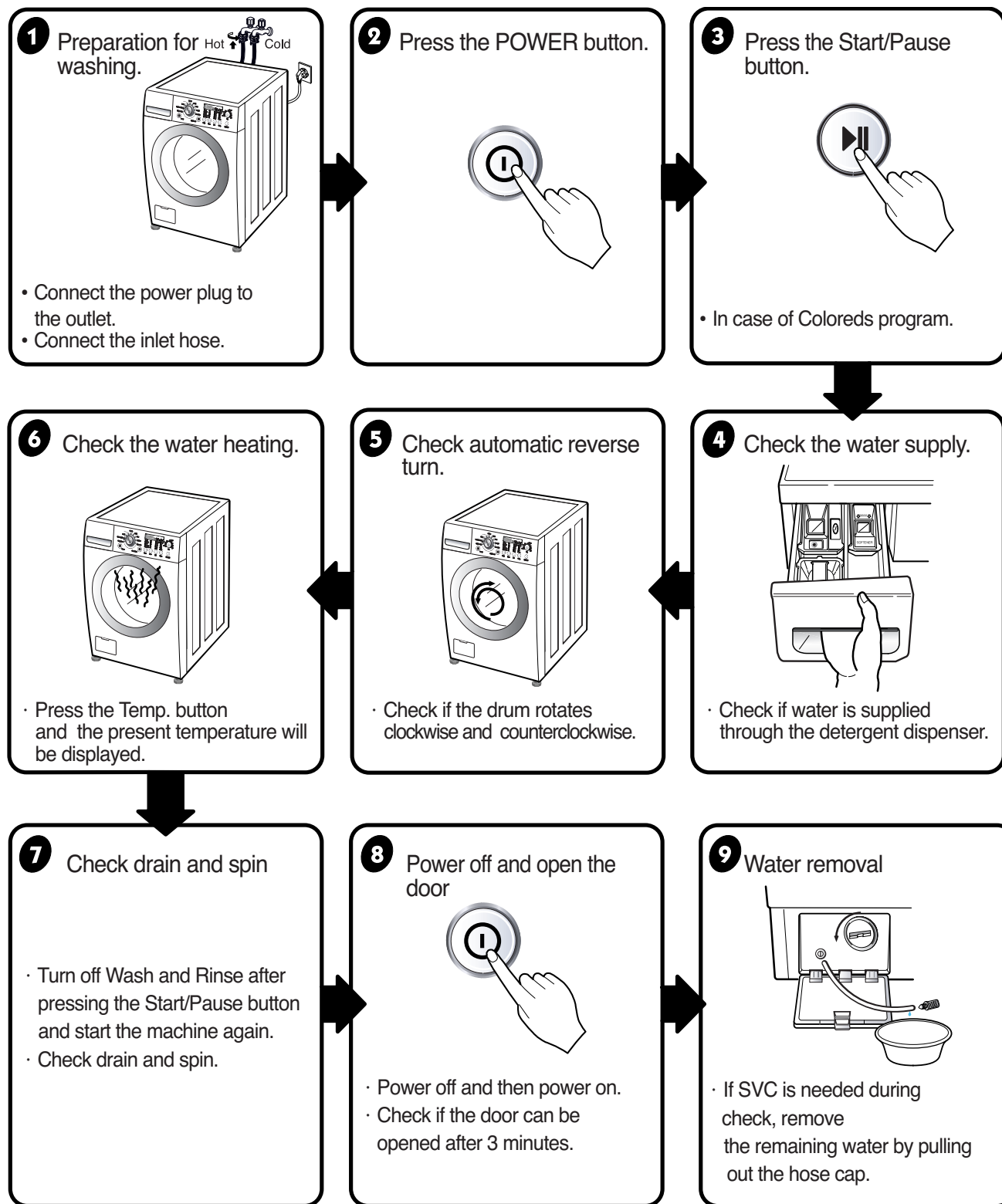


※ The drain hose should be placed under 100cm from the floor.

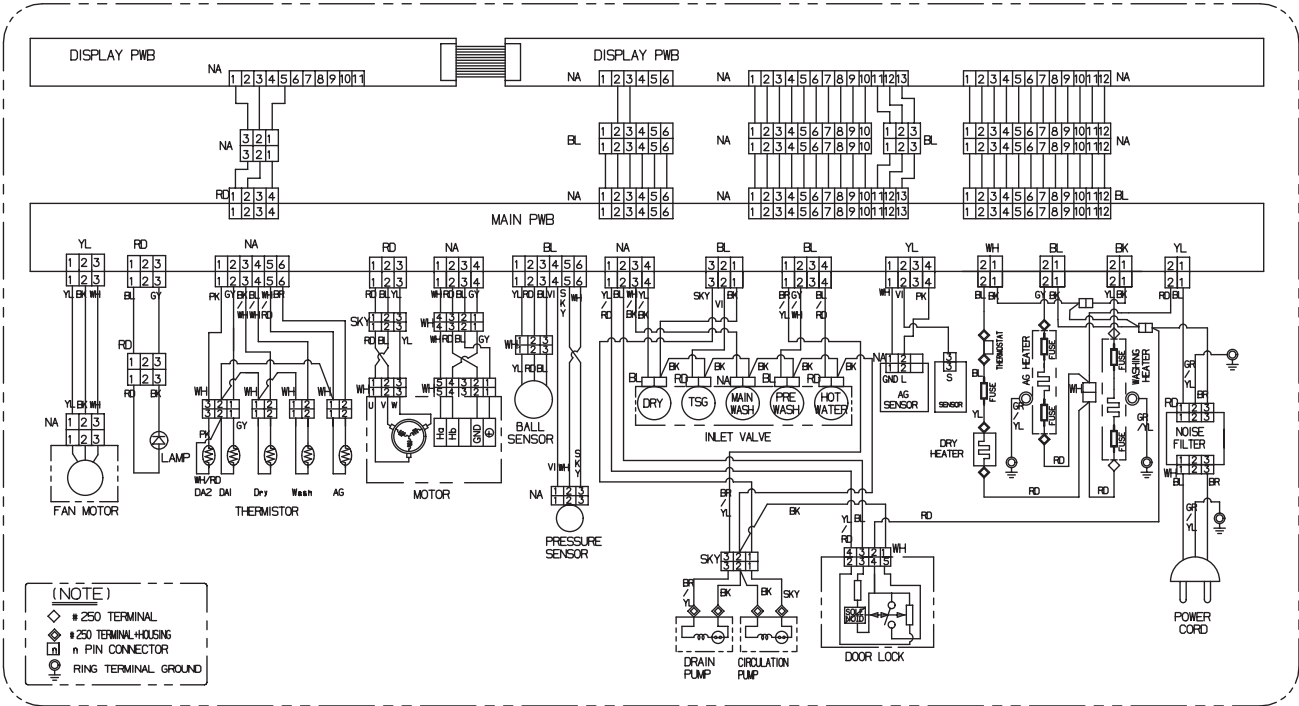
■ CONNECT POWER PLUG



7 TEST OPERATION



6. WIRING DIAGRAM / PROGRAM CHART



PRGRAM CHART

* Water Supply : W:S * Intermittent Spin : I:S * Disentangle : D:T

COURSE STEP TIME (SEC.)	Wash								Rinse																Spin				E N D	A U T O O F F	**Approx Working Time (Minute)
	Pre				Main				1				2				3				Extra & Stain(4~6)										
	W / S	Wash	Drain	I / S	W / S	Wash		Drain	I / S	W / S	Rinse	Drain	I / S	W / S	Rinse	Drain	I / S	W / S	Rinse	Drain	I / S	W / S	Rinse	Drain	Spin	D / T					
						Heat	Steam																								
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			
90	8*30	60	300	120	(12)*	(20)*	(42)*	60	300	120	180	60	300	120	180	60	300	120	180	60	300	120	180	60	480	180	20	20			
Cotton																													129		
Synthetic																													93		
Delicate																													58		
Wool/Silk																													57		
Hand Wash																													57		
Duvet																													80		
Quick 30																													30		
Rinse+Spin																													32		
Refresh																													20		
Baby Care																							Heat						181		
Wash																													58		
Spin																													13		

* Basic Cycle
* Optional Cycle
* Pre-Setting Time : Water Supply - 120 sec.
Drain - 60 sec.
* Wash time is in minutes.
** The total working time will vary with the load size, water temperature and ambient temperature.

5. OPERATION

POWER BUTTON

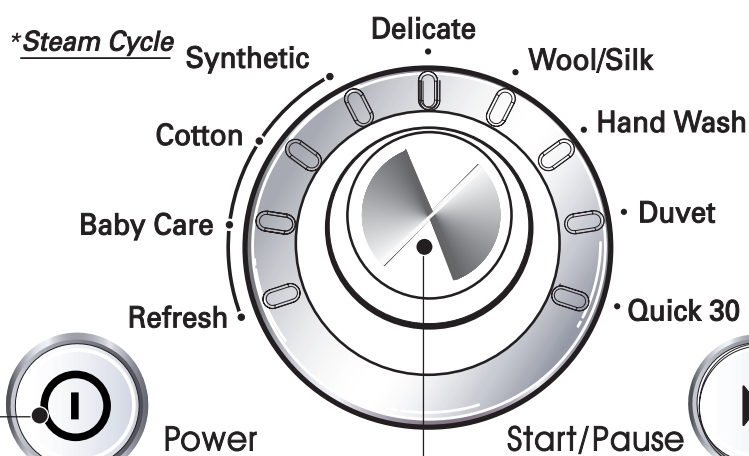
- Use this button to turn the power **On/Off**.

EST. TIME REMAINING

- This display shows:
 - a) the estimated time remaining in the cycle when operating.
 - b) an error code when an error has been detected.

CYCLE SELECTOR KNOB

- Rotate the **Cycle selector knob** to select the cycle designed for different types of fabric and soil levels.



START/PAUSE BUTTON

- Use this button to Start/Stop the washer.

OPTION BUTTON

- **Pre Wash:** Use this option for loads that need pretreatment. It add 16 minutes prewash and drain.
- **Rinse + Spin:** Use this option to rinse and then spin.
- **Dry Only:** When you want dry only, select the this option.
- **Less Steam:** Use this option to a steam wash for only a small amount of laundry, select the this option.
- **Eco Steam:** Use this option to a steam wash while reducing the electricity consumption, select the option

ADD RINSE WATER, FAVORITE BUTTON

- Add rinse Water: This option provides an additional rinse.
- Favorite: This option allows you to store a customized wash cycle for future use.

STATUS INDICATOR

- These lights show which portion of the cycle the washer is operating.

TIME DELAY

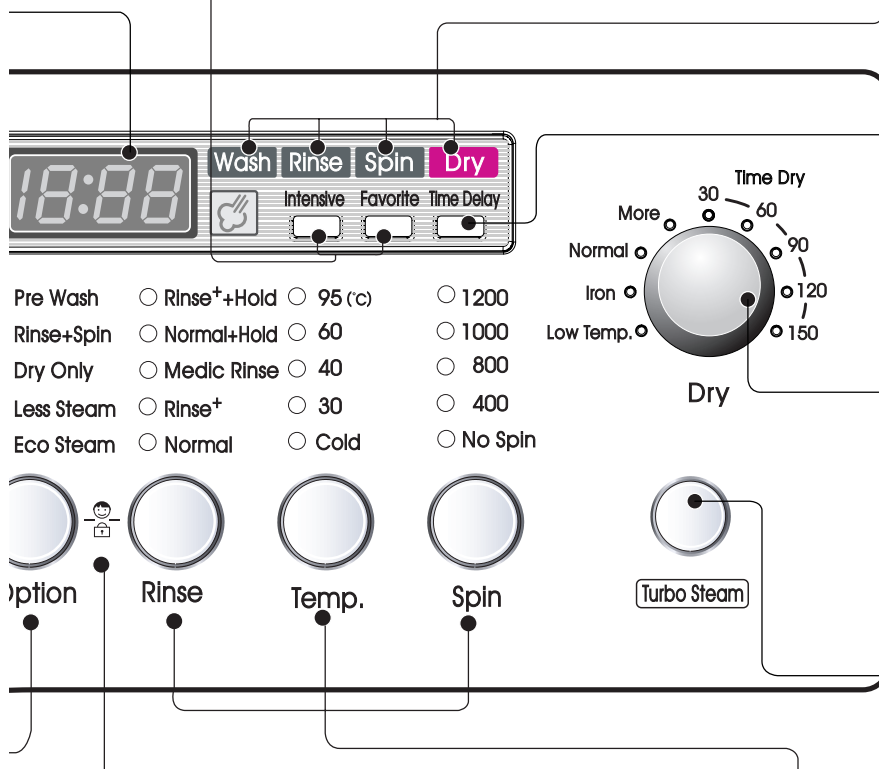
- Allows the start of any cycle to be delayed for 3~19 hours.

DRY KNOB

- Dry programs selected by rotating dry knob.
- [Normal – More – 30 – 60 – 90 – 120 – 150 – Low Temp. – Iron] can be selected.] can be selected.

TURBO STEAM

- This option features upgraded washing performance with low energy and water consumption.



CHILD LOCK

- Use this option to prevent unwanted use of the washer. Press and hold the Wash and Rinse button for 3 seconds to lock/unlock control.
- When Child lock is set, CHILD LOCK lights and all buttons are disabled except the Power button. You can lock the washer while it is operating.

RINSE, TEMP., and SPIN BUTTON

- To change the Rinse Cycling, press the Rinse button repeatedly through available options.
- Select a water temperature based on the type of load you are washing.
- To change the spin speed, press the Spin Speed button repeatedly to cycle through available options.

7. TROUBLE SHOOTING

7-1.BEFORE SVC CHECKING

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

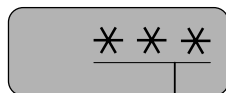
7-2.QC TEST MODE.

- ① Pressing Rinse, and Temp. button simultaneously.
- ② Press the Power (Ⓢ) button, while the above condition.
- ③ Press the Start/Pause button as follows.

Number of times the Start/Pause button is pressed	Check Point	Display Status
None	Turns on all lamps and locks the door.	IF:FE 00:00
1 time	Tumble clockwise	rpm (42~50)
2 times	Low speed Spin.	rpm (55~65)
3 times	High speed Spin	rpm (110~120)
4 times	Inlet valve for prewash turns on.	Water level frequency (25~65)
5 times	Inlet valve for main wash turns on.	Water level frequency (25~65)
6 times	Inlet valve for hot water turns on.	Water level frequency (25~65)
7 times	Inlet valve for steam water turns on.	Water level frequency (25~65)
8 times	Inlet valve for dry water turns on.	Water level frequency (25~65)
9 times	Tumble counterclockwise	pm (42~50)
10 times	Wash heater turns on for 3 sec.	Water temperature
11 times	Circulation pump turns on.	Water level frequency (25~65)
12 times	Drain pump turns on.	Water level frequency (25~65)
13 times	Dry heater turns on for 3 sec.	Water temperature
14 times	Water level Sensor for Steam	Water level frequency of TSG (0~255)
15 times	Steam Heater turns on for 1,2 sec.	TSG temperature
16 times	Power off and unlock the door.	Turn off all lamps.

7-3.HOW TO KNOW THE WATER LEVEL FREQUENCY

- * Press the Rinse and Temp. button simultaneously.



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









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











7-4.HOW TO KNOW TO TEMPERATURE OF EACH THERMISTOR AT OPERATING CONDITION.

- Thermistor in tub : Press the [Spin] button.
- Thermistor in dry duct : Press the [Turbo Steam] button.

7-5.ERROR DISPLAY.

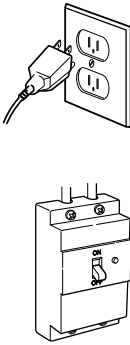


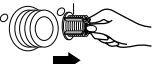
- If you press the Start/Pause button in error condition, any error except 'PE' will disappear and the machine will change into pause status.
- In case of 『PE』, 『UE』, 『HE』, if the error is not resolved within 20 sec., and in case of other errors, if the error is not resolved within 4 min., power will be turned off automatically and the error only will be blinked. But in case of 『FE』, power will not be turned off.






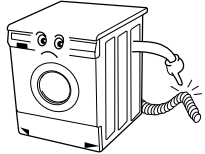
	ERROR	SYMPTOM	CAUSE
1	WATER INLET ERROR		• Not reached to the water level(246)within 8 minutes after water supplied or not reached to the preset water level within 25 minutes.
2	DRAIN ERROR		• Not fully drained within 10 minutes.
3	OVERFLOW ERROR		• Water is over flowing(over 8 level). ※ If  is displayed, drain pump operates to drain water automatically.
4	SENSOR PRESSURE S/W ERROR		• The sensor pressure switch is out of order.
5	DOOR OPEN ERROR		• In case of operating the reservation function or the other function with door opened. Close the door, then the error display is resolved. • The door switch is out of order.
6	IMBALANCE ERROR		• The appliance is tilted. • Laundry is gathered to one side.
7	HEATING ERROR		• The THERMISTOR is out of order.

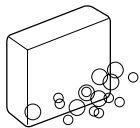
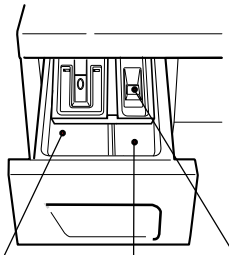
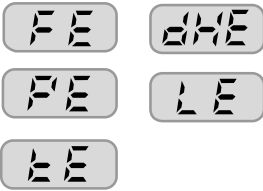
	ERROR	SYMPTOM	CAUSE
8	MOTOR ERROR		<ul style="list-style-type: none"> • The connector in the LEAD WIRE ASSEMBLY is not connected to the connector of STATOR ASSEMBLY  Reconnect or repair the connector • The hall sensor is out of order/defective.  Replace the STATOR ASSEMBLY
9	DRY HEATOR ERROR		<ul style="list-style-type: none"> • The Dry Heater is out of order  Replace the Dry Heater • The Connector of the Dry Heater is not connected properly to the connector in the Main PWB ASSEMBLY  Reconnect or repair the connector • The Dry fan motor is out of order  Replace the fan Motor.
10	BALL SENSOR ERROR		<ul style="list-style-type: none"> • Loose Ball Sensor Connector. • Ball Sensor is out of order. ※ Displayed only when the START/PAUSE button is first pressed in the QC Test Mode.
11	EEPROM ERROR		<ul style="list-style-type: none"> • EEPROM is out of order. ※ Displayed only when the START/PAUSE button is first pressed in the QC Test Mode.
12	POWER FAILURE		<ul style="list-style-type: none"> • The washer experienced a power failure.

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="516 457 1055 814"> <p>Is the power plug connected firmly to 220-240V~ outlet?</p> <p>YES</p> <p>Power failure? or Breaker opened?</p> <p>NO</p> <p>Visit to check</p> </div> <div data-bbox="1140 451 1269 793">  </div>
<p>Water inlet trouble</p> <div data-bbox="224 1012 381 1071">  </div>	<div data-bbox="516 913 1055 1705"> <p>Is " IE " 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="1161 1033 1258 1390">  </div> <div data-bbox="1128 1402 1347 1600"> <p>Clean the filter of inlet valve</p>  </div>

SYMPTOM	GUIDE FOR SERVICE CALL
<ul style="list-style-type: none"> • Door does not open • Error displayed on the program 	<div data-bbox="526 365 1149 449"> <p>Started with door opened?</p> <p>YES</p> </div> <div data-bbox="1166 375 1323 436">  </div> <div data-bbox="776 501 818 533"> <p>NO</p> </div> <div data-bbox="1159 464 1344 648"> <p>Close the door</p>  </div> <div data-bbox="526 590 1070 659"> <p>Visit to check</p> </div> <div data-bbox="597 674 997 705"> <p><Check if the door switch is O.K.></p> </div>
<ul style="list-style-type: none"> • DRAIN TROUBLE 	<div data-bbox="526 821 1066 890"> <p>Is "E2" displayed?</p> </div> <div data-bbox="769 894 826 926"> <p>YES</p> </div> <div data-bbox="526 957 1066 1058"> <p>Is the debris filter clogged with foreign material such as pin, coin and etc.?</p> <p>YES</p> </div> <div data-bbox="1127 957 1248 1058"> <p>Clean up the filter.</p>  </div> <div data-bbox="776 1058 818 1089"> <p>NO</p> </div> <div data-bbox="526 1110 1070 1180"> <p>Is the drain hose frozen with water, kinked or crushed?</p> </div> <div data-bbox="776 1184 818 1215"> <p>NO</p> </div> <div data-bbox="526 1241 1070 1310"> <p>Visit to check</p> </div> <div data-bbox="1143 1089 1346 1241">  </div>

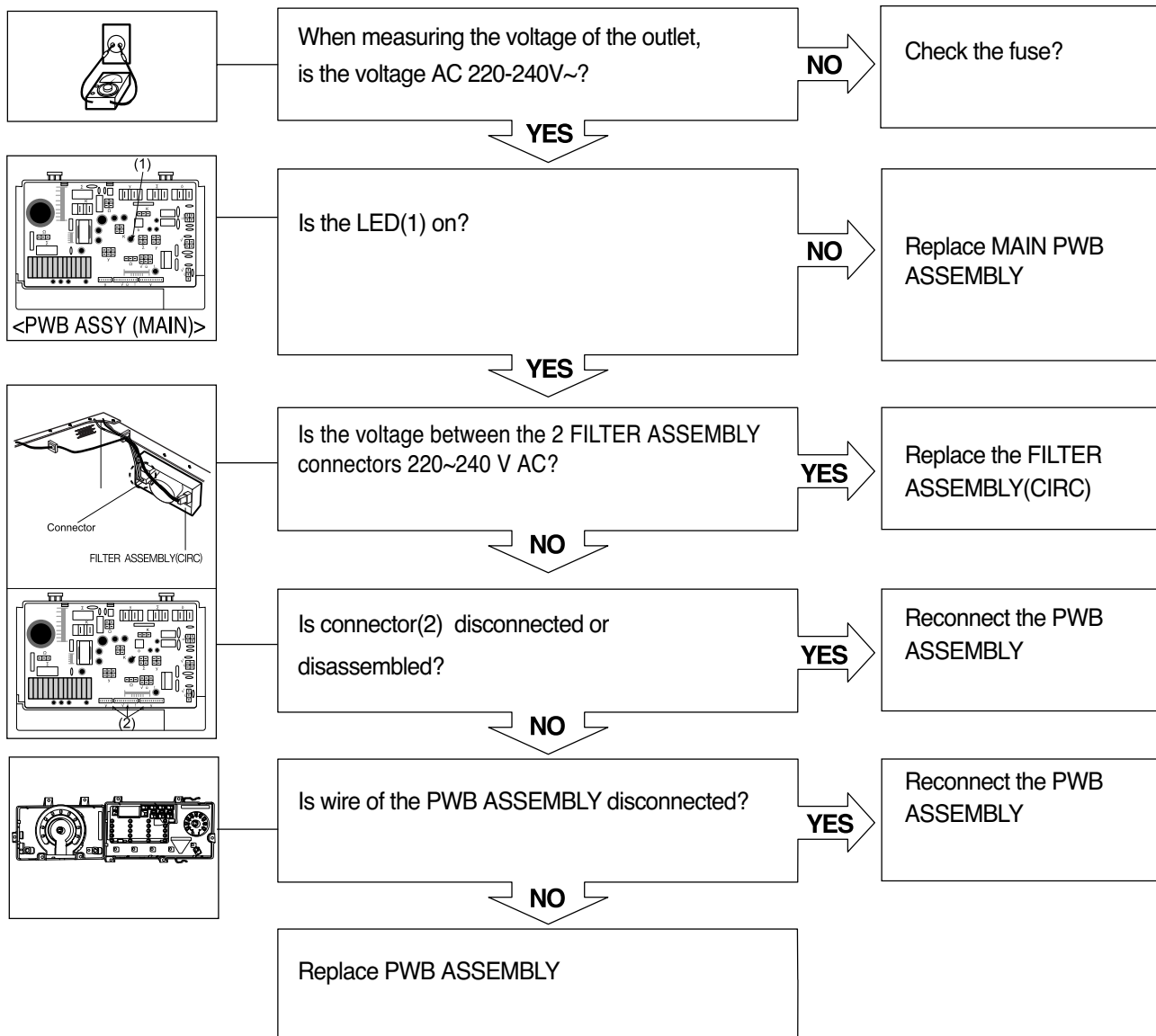
SYMPTOM	GUIDE FOR SERVICE CALL
<p>◦ Suds overflow from the appliance. (In this condition, wash and spin do not operate normally)</p>	<div data-bbox="537 317 1073 411">Is low-sudsing detergent for the drum washing machine used?</div> <div data-bbox="740 411 870 453">YES</div> <div data-bbox="537 464 1073 558">Is the proper amount of detergent used as recommended?</div> <div data-bbox="740 558 870 600">YES</div> <div data-bbox="537 611 1073 705">Recommend to reduce the using amount of detergent.</div> <div data-bbox="578 705 1276 894"> <ul style="list-style-type: none"> * 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, suds removing function such as drain, water input and pause will operate without rotating the drum. </div> <div data-bbox="1146 327 1325 495">  <p>LOW-SUDSING</p> </div>
<p>◦ No effect of softener</p>	<div data-bbox="537 968 1073 1062">Is softener put in the correct compartment of the drawer?</div> <div data-bbox="740 1062 870 1104">YES</div> <div data-bbox="537 1115 1073 1188">Is the drawer closed during wash?</div> <div data-bbox="740 1188 870 1230">YES</div> <div data-bbox="537 1241 1073 1314">Is the softener cap clogged?</div> <div data-bbox="740 1314 870 1356">YES</div> <div data-bbox="537 1356 1073 1419">Explain how to use softener</div> <div data-bbox="578 1430 1032 1461">< Clean the compartment for softener ></div> <div data-bbox="1114 989 1373 1356">  <p>(1) Main Wash Compartment (2) Prewash Compartment (3) Liquid fabric Softener Compartment</p> </div>
	<div data-bbox="537 1566 1073 1629">Visit to check</div>

8-2.FAULT DIAGNOSIS AND TROUBLE SHOOTING

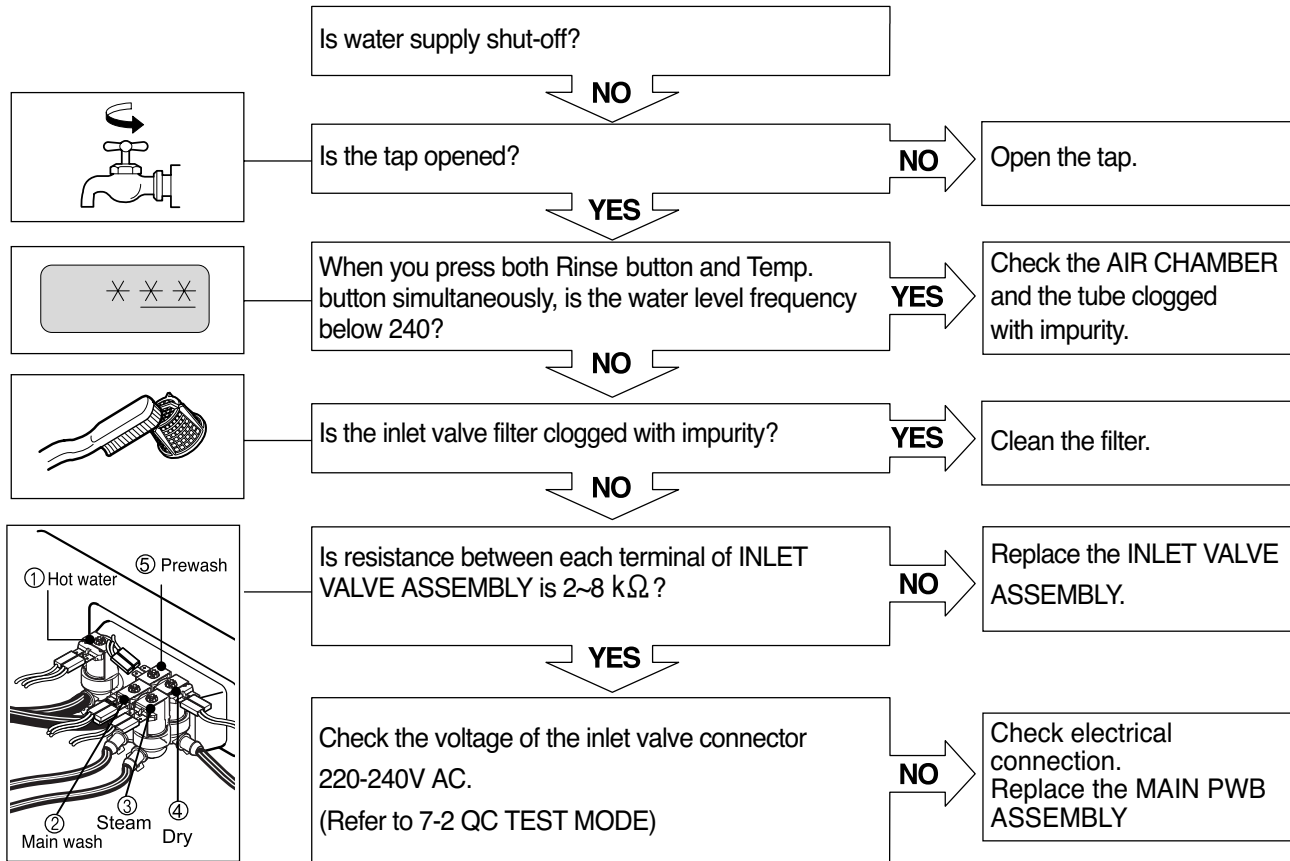
CAUTION

1. Be careful of electric shock or disconnecting the parts while trouble shooting.
2. First of all, check the connection of each part terminal with wiring diagram.
3. If you replace the MAIN PWB ASSEMBLY, Put in the connectors correctly.

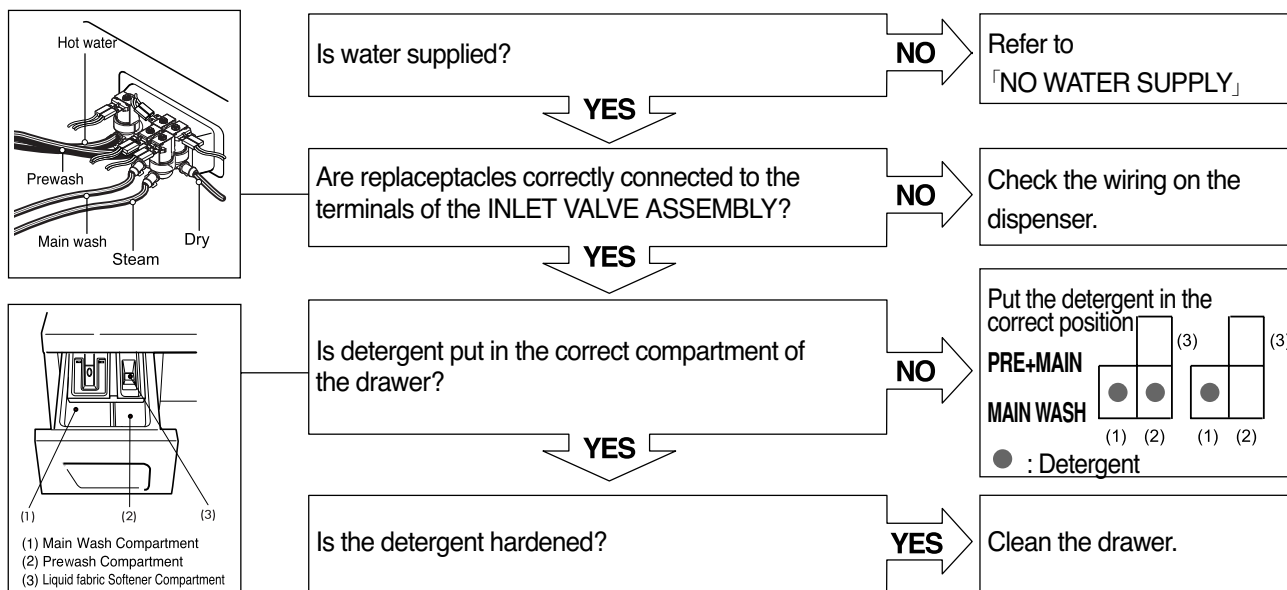
NO POWER



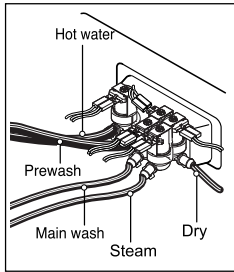
NO WATER SUPPLY



DETERGENT DOES NOT FLOW IN



SOFTENER DOES NOT FLOW IN



Is water supplied?

NO

Refer to
「NO WATER SUPPLY」

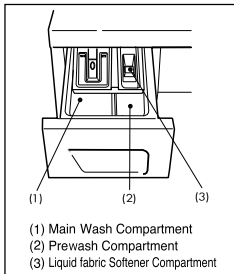
YES

Are receptacles correctly connected to the terminals
of the INLET VALVE ASSEMBLY?

NO

Check the wiring on the
dispenser.

YES

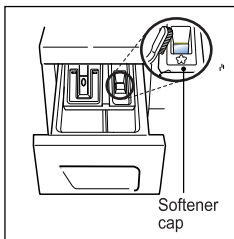


Is softener put in the correct compartment of the
drawer?

NO

Put it in the correct
compartment.

YES

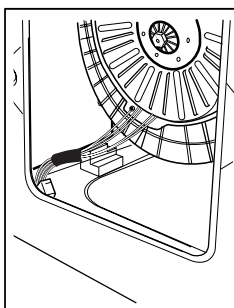


Is the softener cap clogged?

YES

Clean the cap and
drawer.

ABNORMAL SOUND



Is the motor bolt loosened?

YES

Fix the bolt tightly.

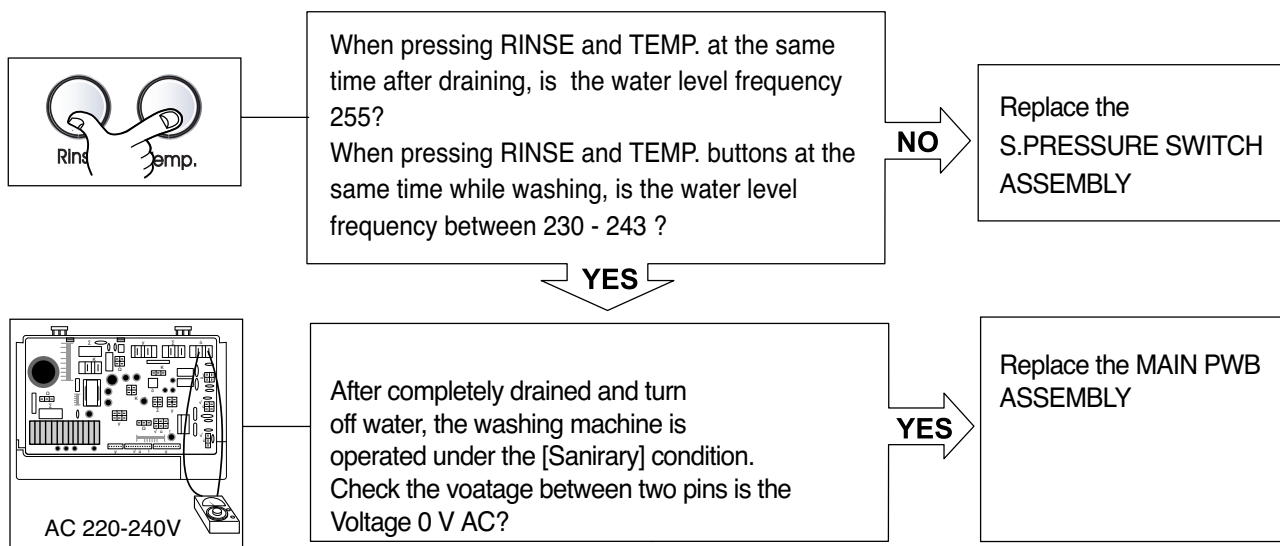
NO

Is there friction noise from the motor?

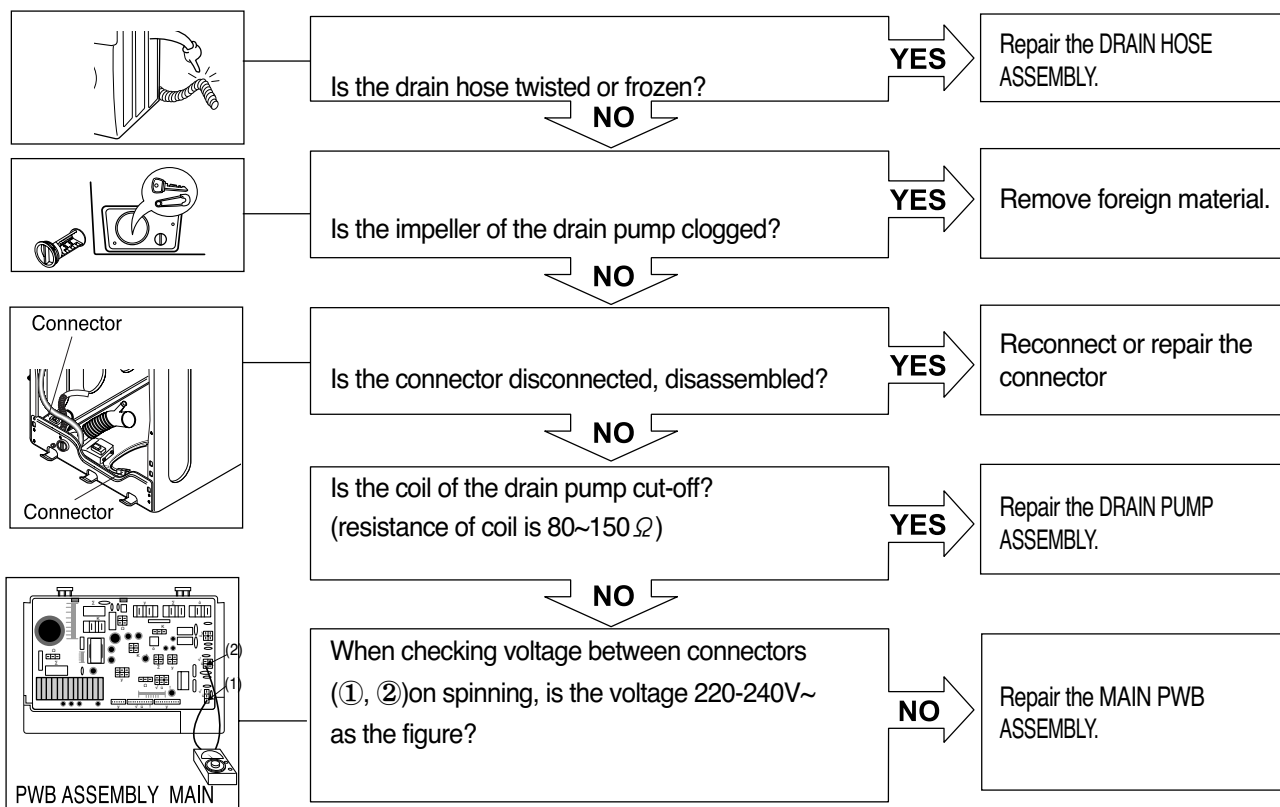
YES

Replace the STATOR
ASSEMBLY or ROTOR
ASSEMBLY.

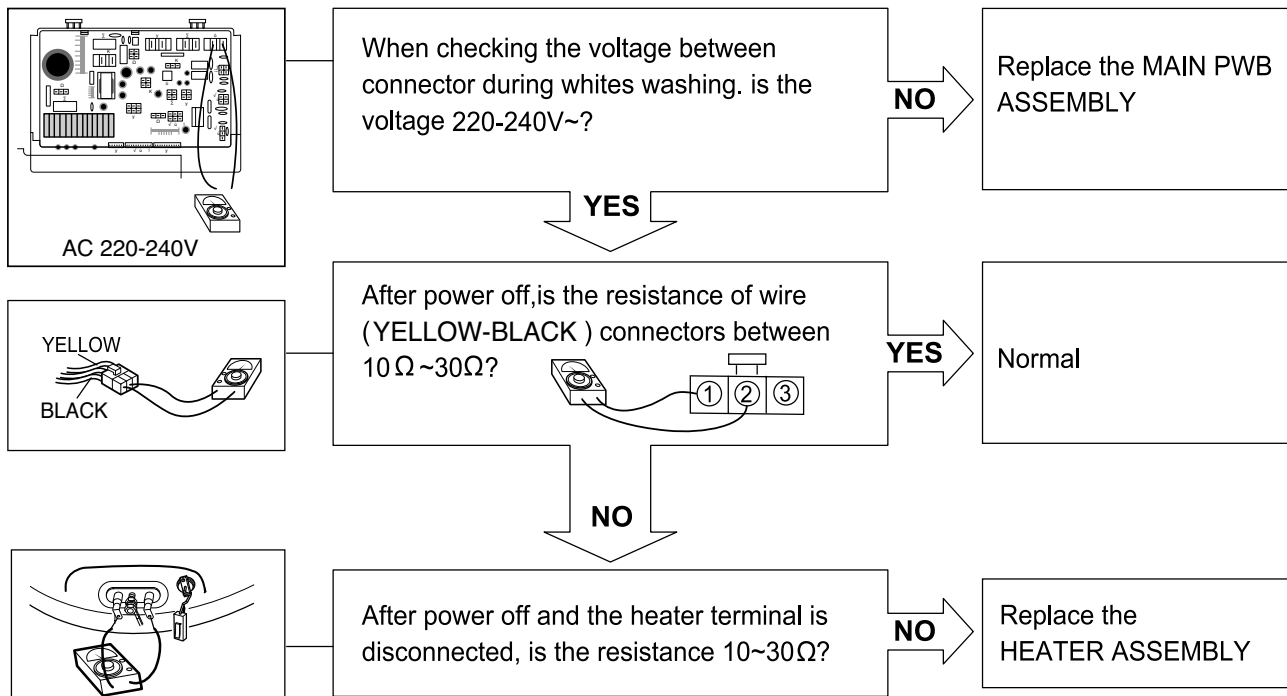
HEATING WITHOUT WATER



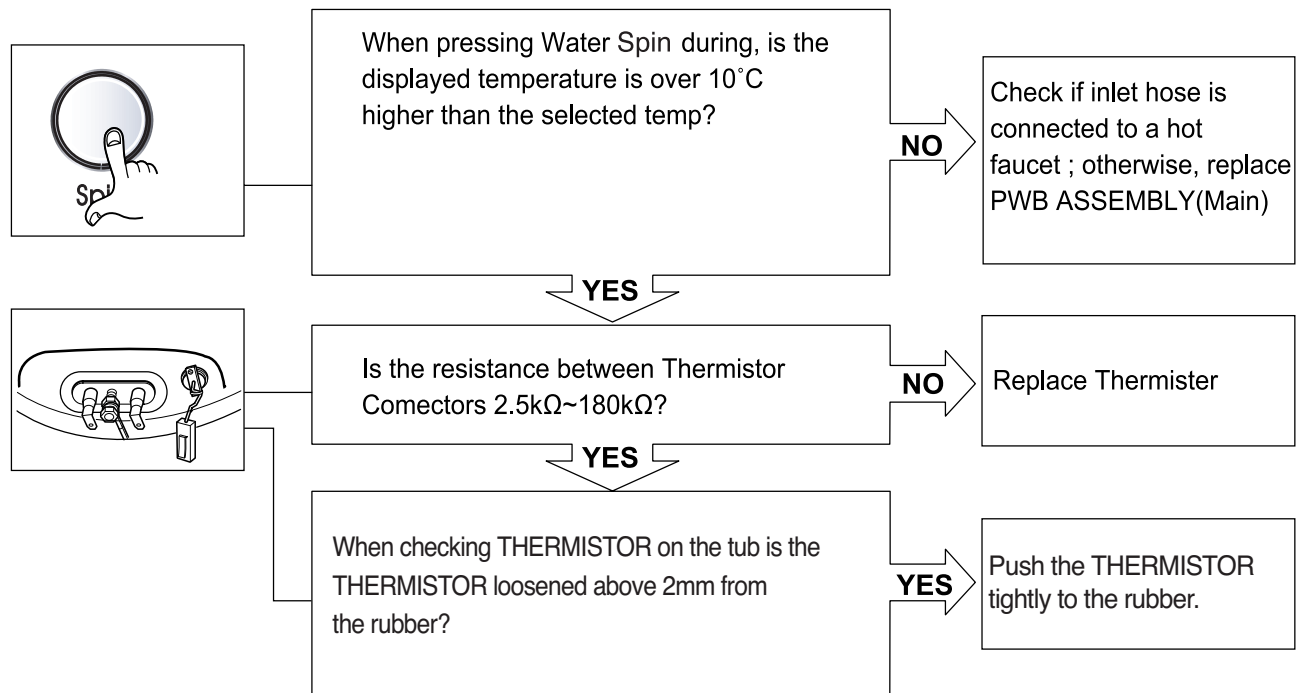
DRAIN MALFUNCTIONING



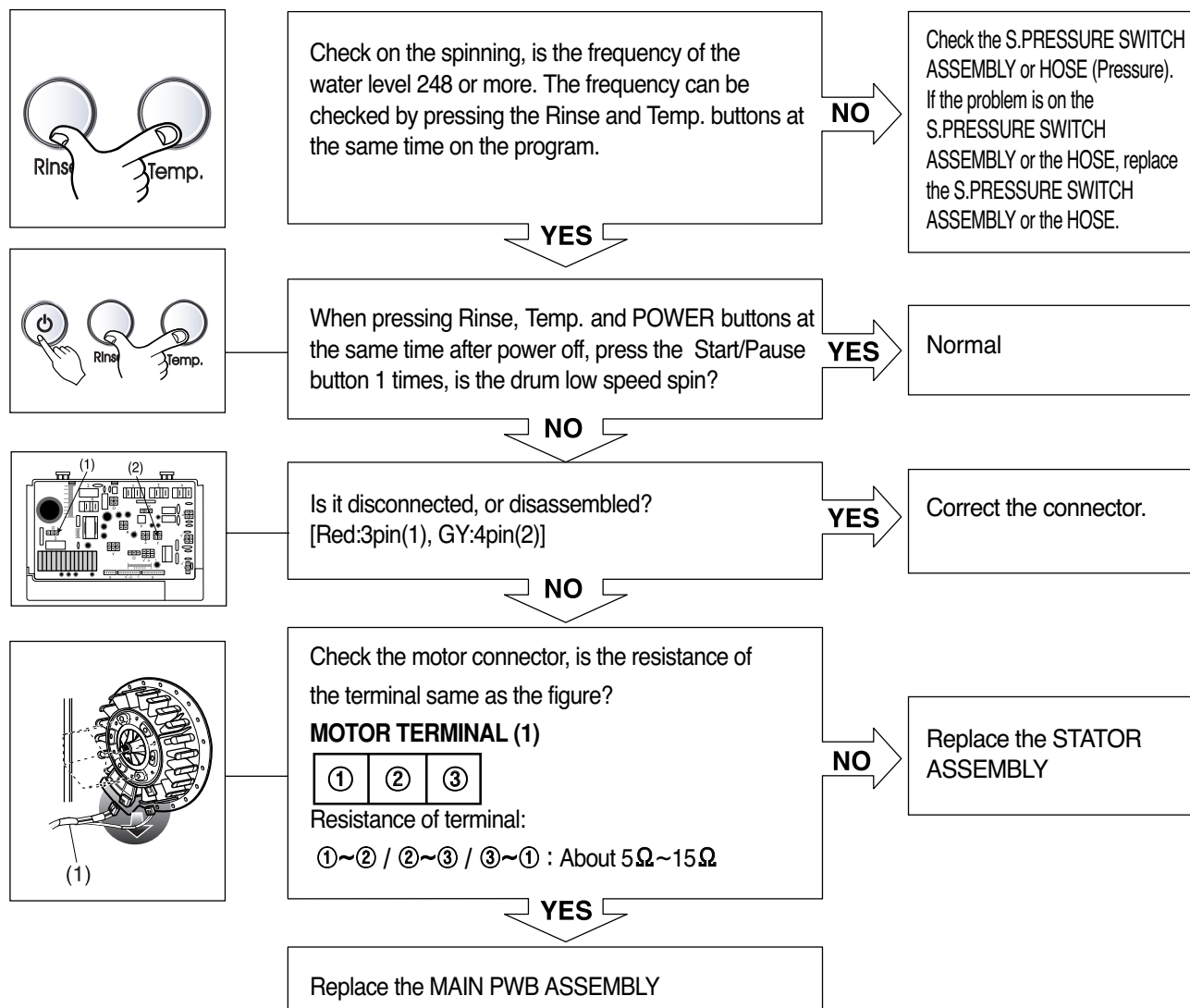
WASH HEATER TROUBLE



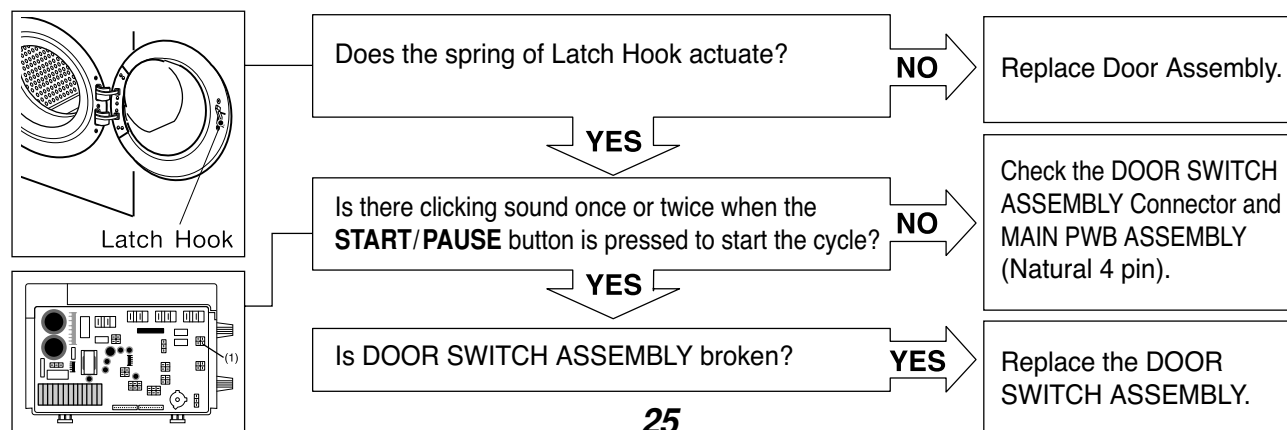
HEATING CONTINUOUSLY ABOVE THE SETTING WATER TEMPERATURE



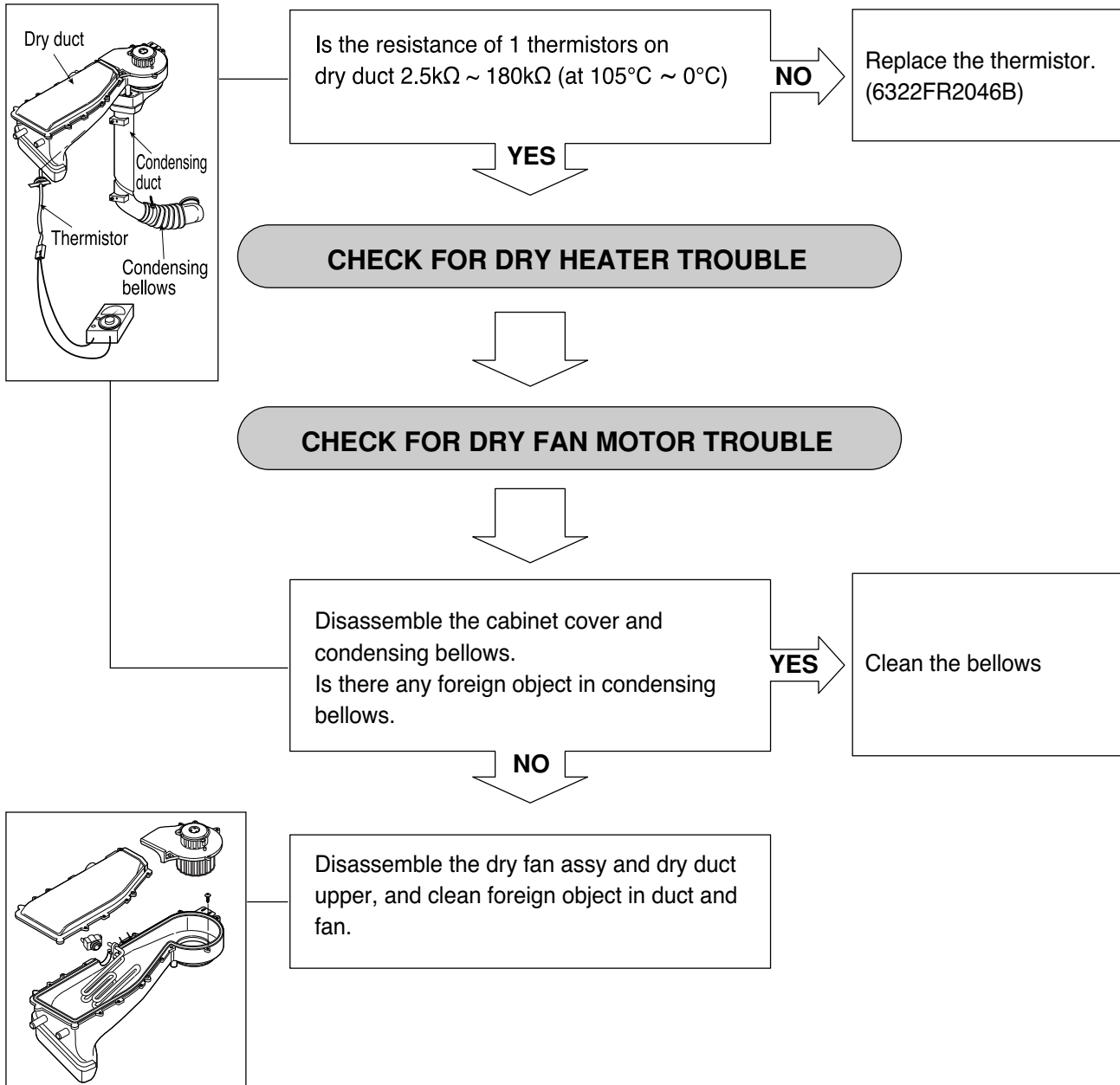
SPIN TROUBLE



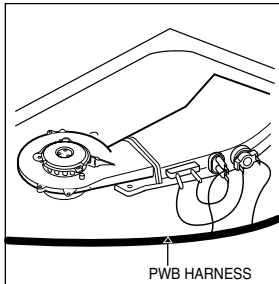
ERROR



[dHE] ERROR DISPLAY



DRY HEATER TROUBLE

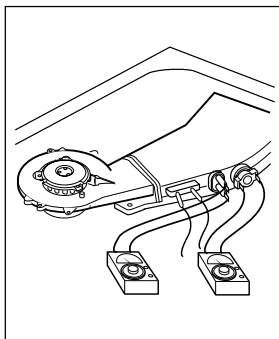


Are receptacles correctly connected to the terminals of the DRY DUCT ASSEMBLY?

NO

Reconnect the receptacle

YES



After power off, is the resistance of dry heater 10 ~ 40Ω?

NO

Replace the dry heater.

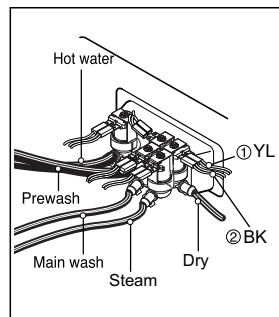
YES

Is thermostat closed?

NO

Replace the thermostat.

YES

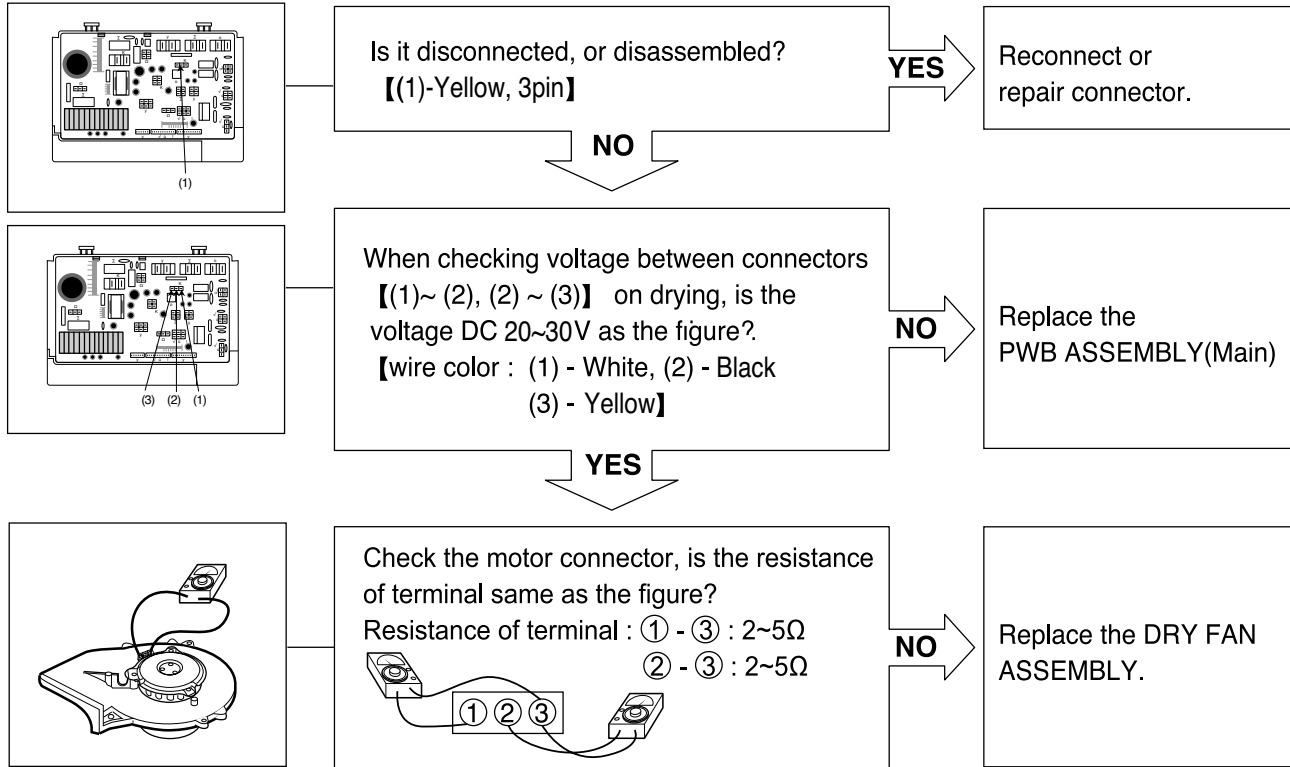


When checking voltage between connectors (① , ②) on drying, is the voltage AC 220-240V as the figure?
(wire color : ① - YL , ② - BK)

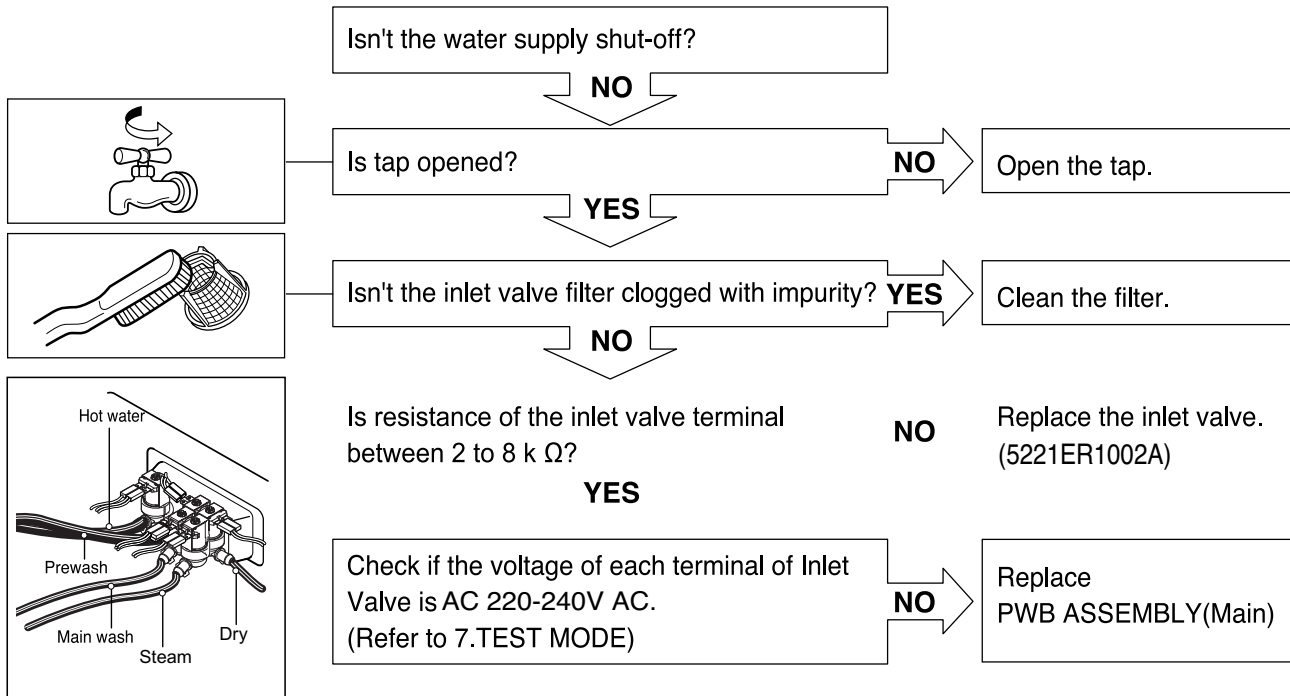
NO

Replace the PWB ASSEMBLY(Main)

DRY FAN MOTOR TROUBLE



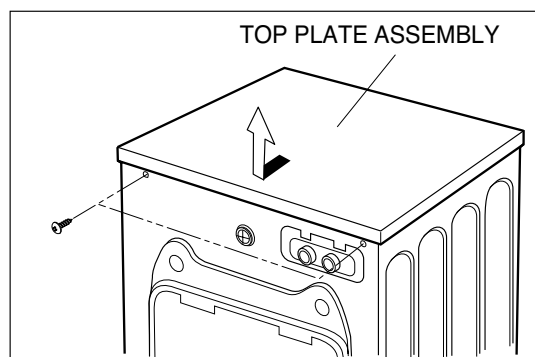
LOT OF VAPOR IN DRAWER WHEN DRYING



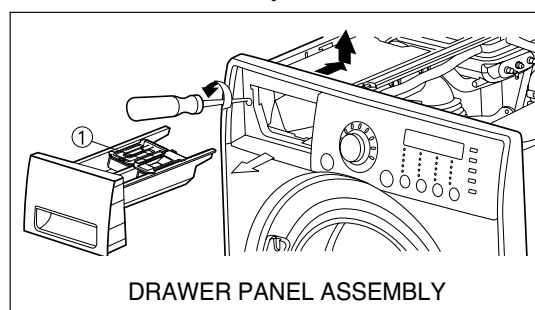
9. DISASSEMBLY INSTRUCTIONS

* Disassemble and repair the parts after pulling out power cord from the outlet.

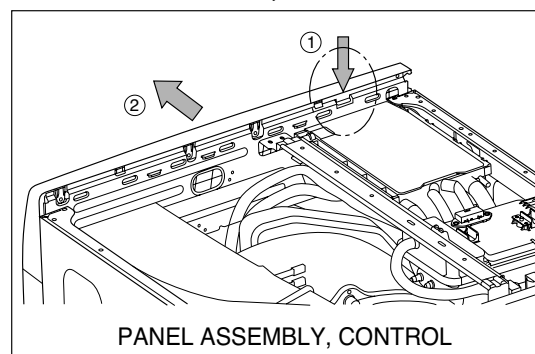
PANEL ASSEMBLY, CONTROL



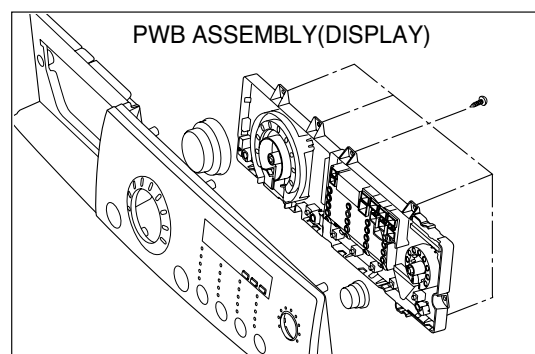
- ① Unscrew 2 screws on the back of the top plate.
- ② Pull the top plate backward and upward as shown.



- ① Pull out the drawer and unscrew 2 screws.
- ② Lift the side the Control Panel Assembly and pull it out

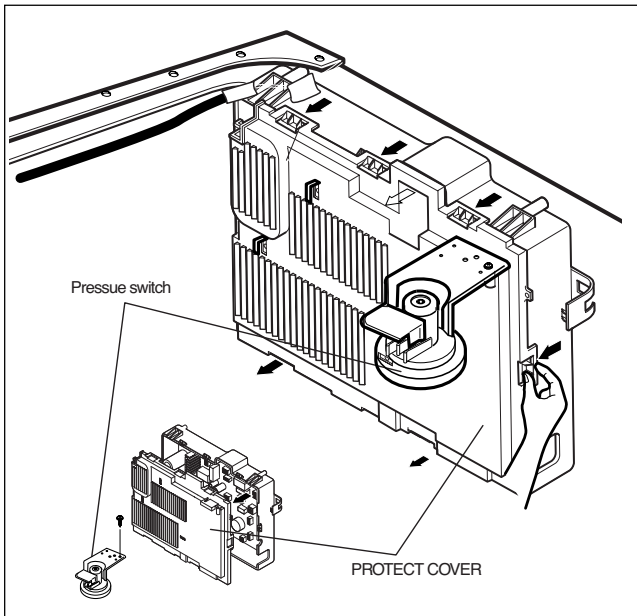


- ① Push out PANEL ASSEMBLY,CONTROL after Push the hook(①) below.
- ② Lift the side the Control Panel Assembly and pull it out

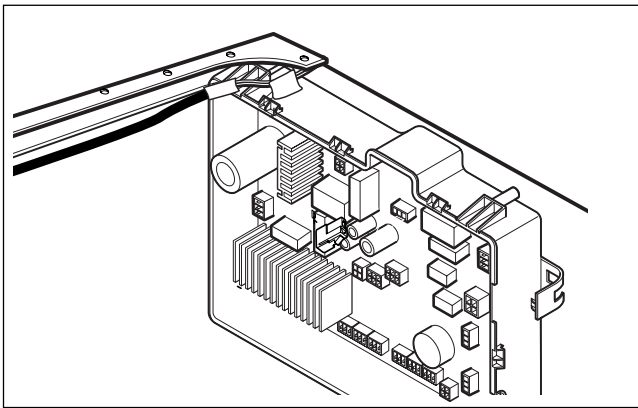


- ① Unscrew the 10 screws from the Control Panel Assembly.
- ② Disassemble the Display PWB Assembly.

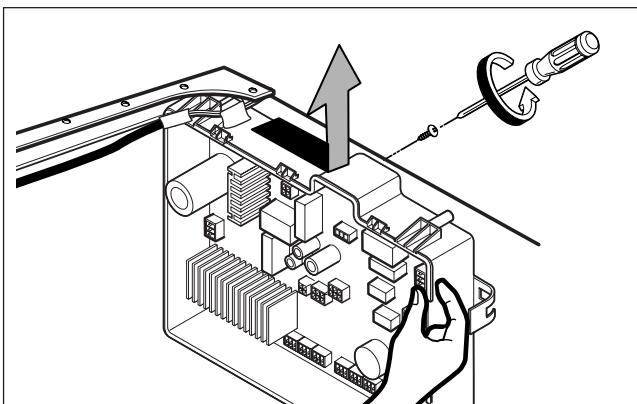
PCB ASSEMBLY MAIN



- ① Unscrew 1 screw on the pressure switch.
- ② Open the protect cover.

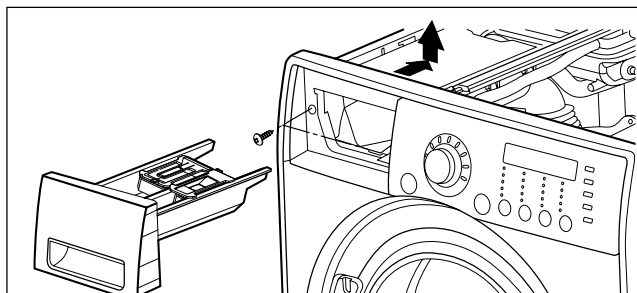


- ① Disconnect connectors from the wiring.

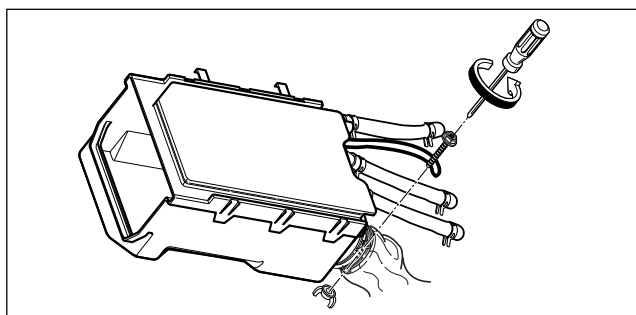


- ② Push the hook of between BASE,CABINET and PWB ASSEMBLY below as shown.
- ③ Pull the PWB assembly (Main) to arrow direction.
- ④ Unscrew 1 screw on the back of the cabinet.

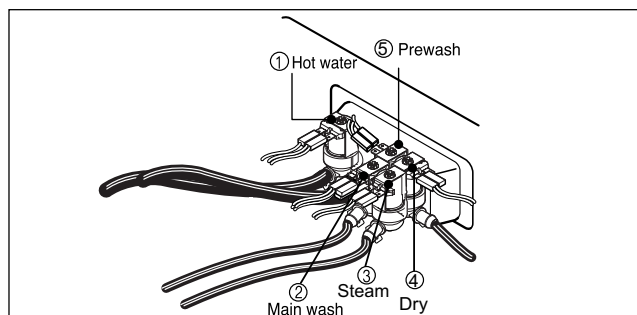
INLET VALVE



- ① Disassemble the top plate assembly.
- ② Pull out the drawer.
- ③ Push out the DISPENSER ASSEMBLY after unscrew 2 screws.



- ① Unscrew the nut at the lower part of the dispenser.

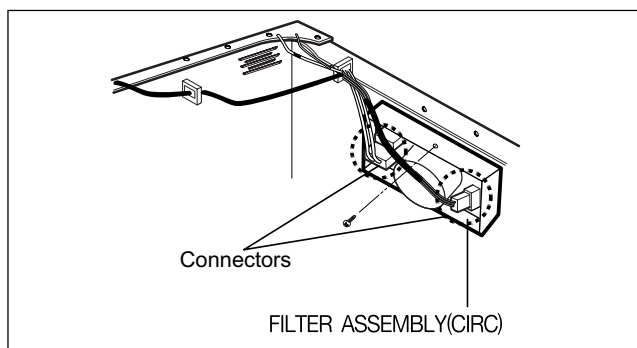


- ① Disassemble the 4 or 5 connectors from the valves.

- | | |
|---|-------------------------|
| ① | Red Housing(BK-BL/BK) |
| ② | White Housing(BK-WH/BK) |
| ③ | Red Housing(BK-VI/BK) |
| ④ | Blue Housing(BK-YL/BK) |
| ⑤ | Blue Housing(BK-GY/BK) |

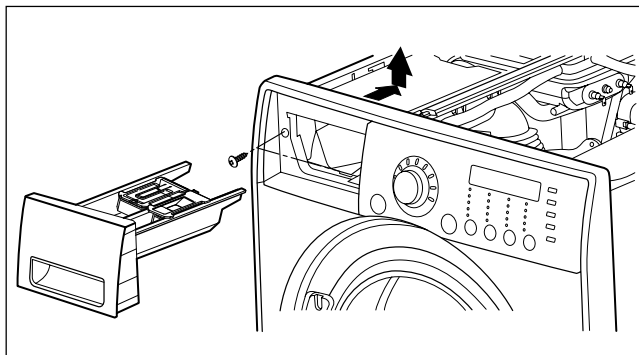
- ② Unscrew 2 or 4 screws from the back of the cabinet.

NOISE FILTER

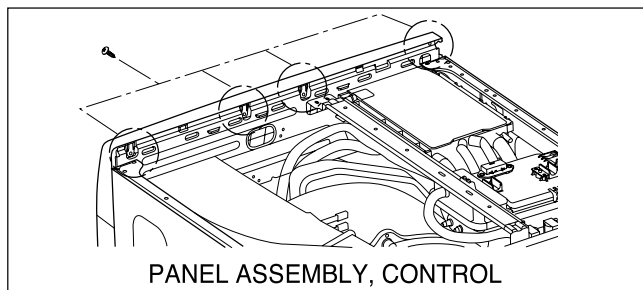


- ① Unscrew 1 screw from the top bracket.
- ② Disassemble 2 connectors.

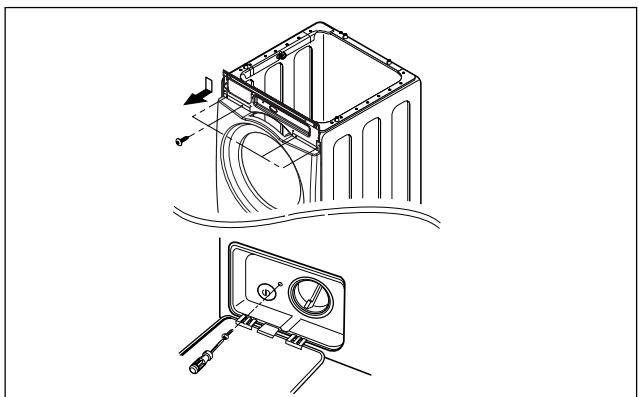
CABINET COVER



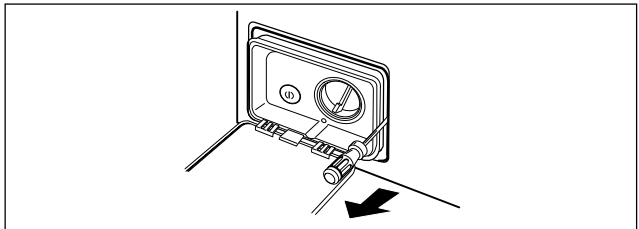
- ① Disassemble the top plate assembly.
- ② Pull out the drawer.
- ③ Push out the DISPENSER ASSEMBLY after unscrew 2 screws.



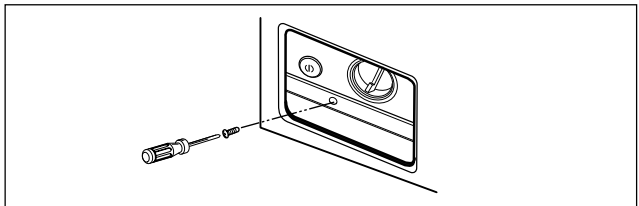
- ④ Unscrew the 5 screws from the back of the DECO PANEL.
- ⑤ Pull out the CONTROL PANEL



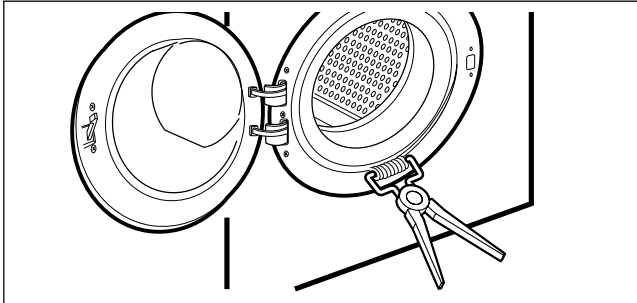
- ⑥ Unscrew the 4 screws from upper of the cabinet cover.
- ⑦ Unscrew the screw from filter cover.



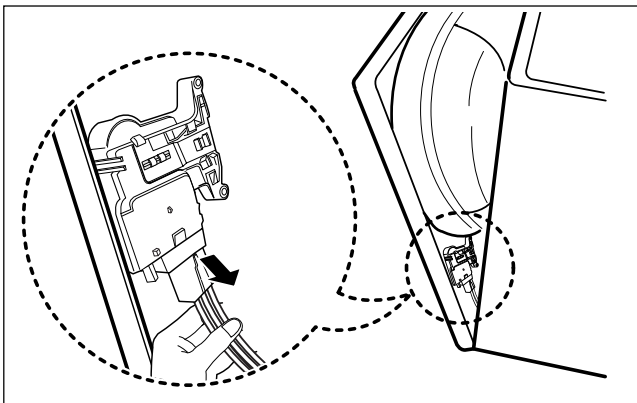
- ⑧ Put a flat (-) screwdriver or putty knife into the both sides of the filter cover, and pull it out.



- ⑨ Unscrew the screw from the lower side of the cabinet cover.

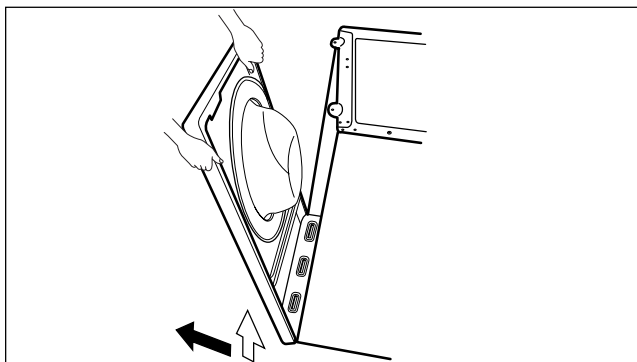


- ⑩ Open the door.
- ⑪ Disassemble the clamp assembly.



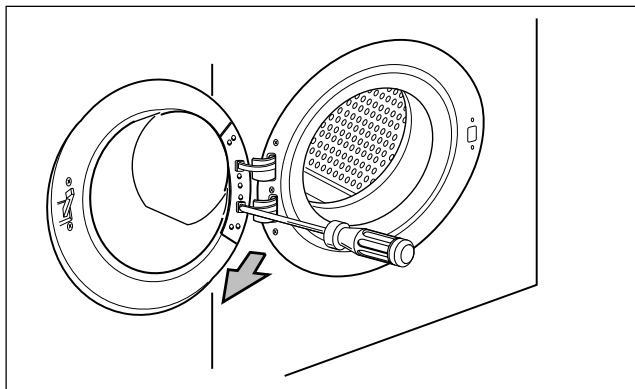
- ⑫ Tilt the cabinet cover.
- ⑬ Disconnect the door switch connector.

※ **NOTE:** When assembling the CABINET COVER, connect the connector.



- ⑭ Lift and separate the cabinet cover.

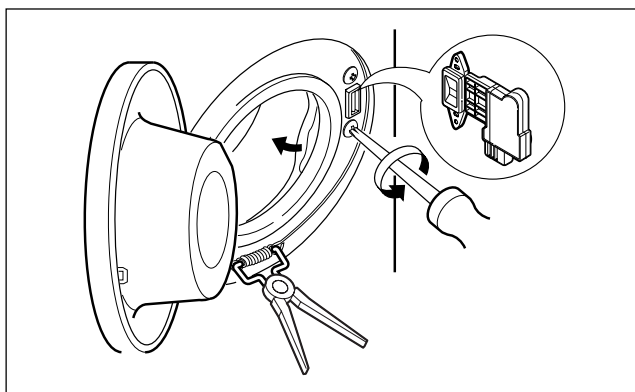
DOOR



- ① Open the door.
 - 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.

※ **Be careful!** The door is heavy.

DOOR LOCK SWITCH ASSEMBLY

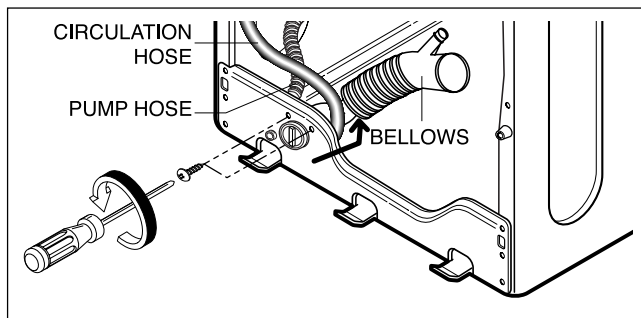


- ① Open the door and disassemble the CLAMP ASSEMBLY.
- ② Unscrew the 2 screws.

※ NOTE

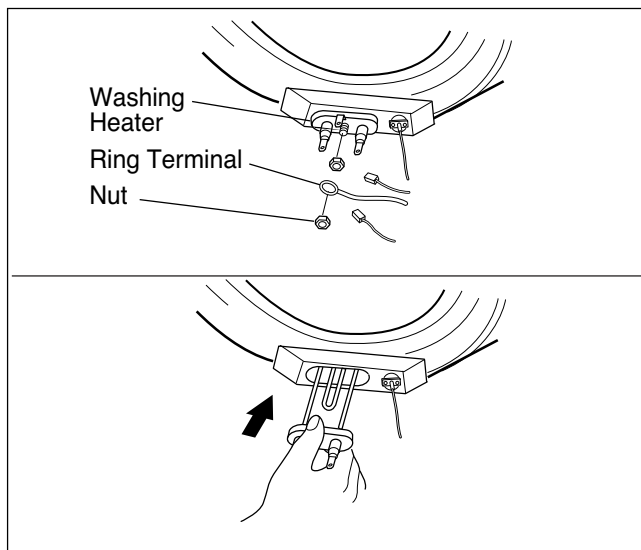
- Reconnect the connector after replacing the DOOR SWITCH ASSEMBLY.

PUMP



- ① Disassemble the cabinet cover.
- ② Separate the pump hose, the bellows and the circulation hose assembly from the pump assembly.
- ③ Press the hook.
- ④ Disassemble the pump assembly in arrow direction.

HEATER

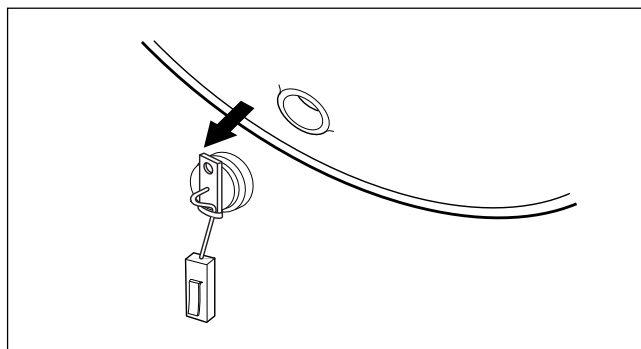


- ① Disassemble the cabinet cover.
- ② Separate 2 connectors from the heater.
- ③ Loosen 2 nuts and pull out the heater.

※ CAUTION

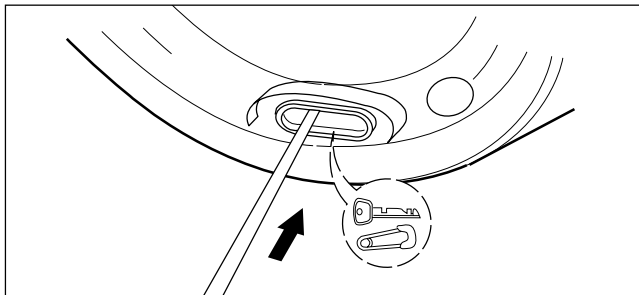
- When assembling the heater, insert the heater into the heater clip on the bottom of the tub.
- Tighten the fastening nut so the heater is secure.

THERMISTOR



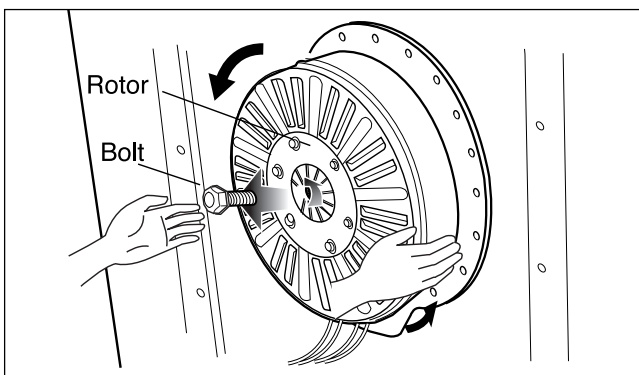
- ① Disassemble the cabinet cover.
- ② Unplug the white connector from the thermistor.
- ③ Pull it out by holding the bracket of the thermistor.

WHEN FOREIGN OBJECT IS STUCK BETWEEN DRUM AND TUB

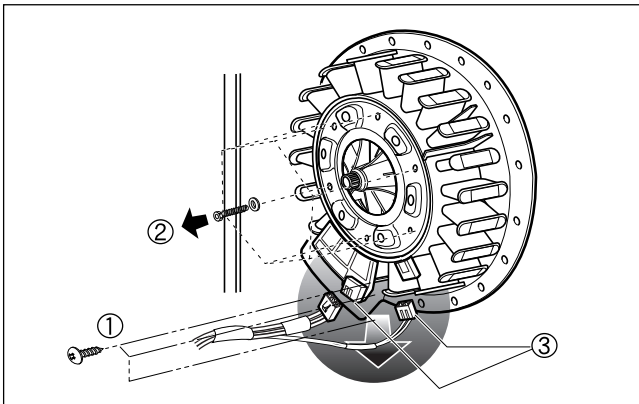


- ① Disassemble the cabinet cover.
- ② Separate the heater from the tub.
- ③ Remove any foreign objects (wire, coin, etc.) by inserting a long bar in the opening.

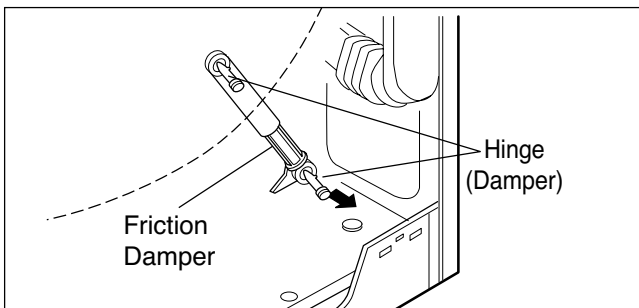
MOTOR/DAMPER



- ① Disassemble the back cover.
- ② Remove the bolt.
- ③ Pull out the Rotor.



- ① Unscrew the 2 screws from the tub bracket.
- ② Remove the 6 bolts on the stator.
- ③ Unplug the 2 connectors from the stator.

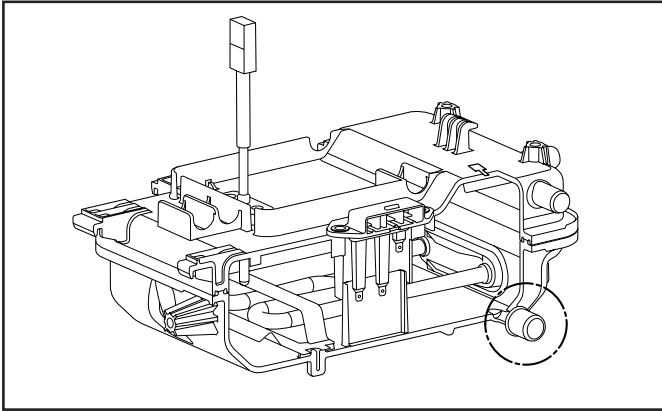


- ① Disassemble the damper hinges from the tub and base.
- ② Separate the dampers.

※ NOTE

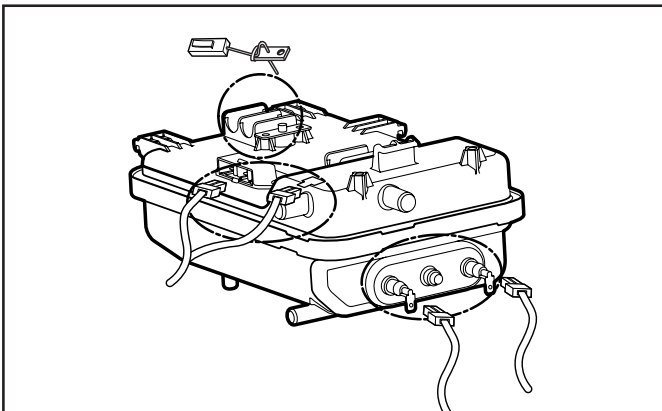
- Before removing the hinge, press the hook. And then replace the damper with new one.

Checking the TSG (TURBO STEAM GENERATOR)

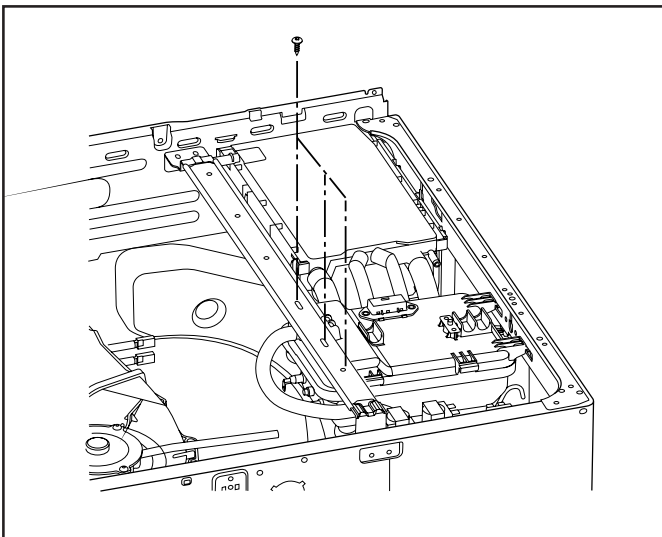


- ① To check out the fault diagnosis of TSG, in case of removing the water inside, you can pull out the plug and let the water drain away.
- ② Be cautious in case of the TSG is hot temperature.

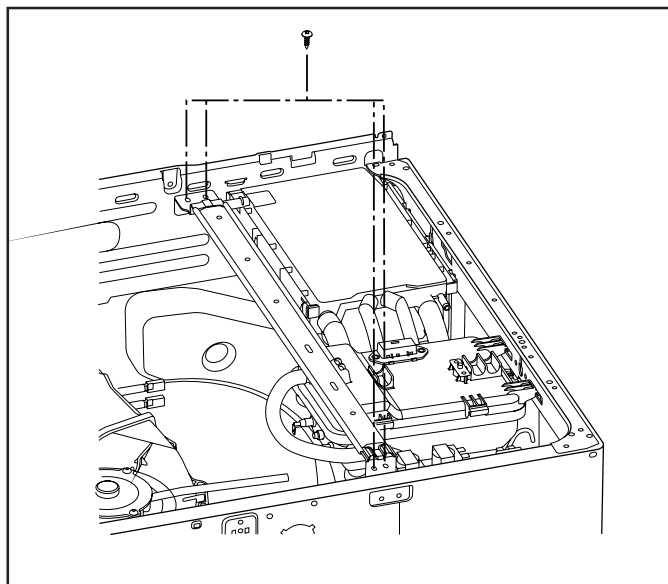
TSG (TURBO STEAM GENERATOR)



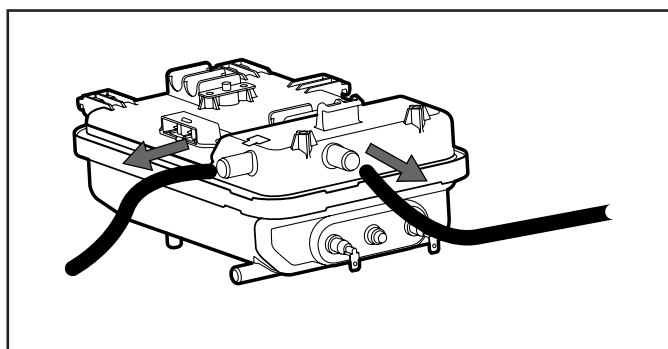
- ① Remove the housing coupled with the TSG (Heater, Water level frequency-sensor, Thermistor)



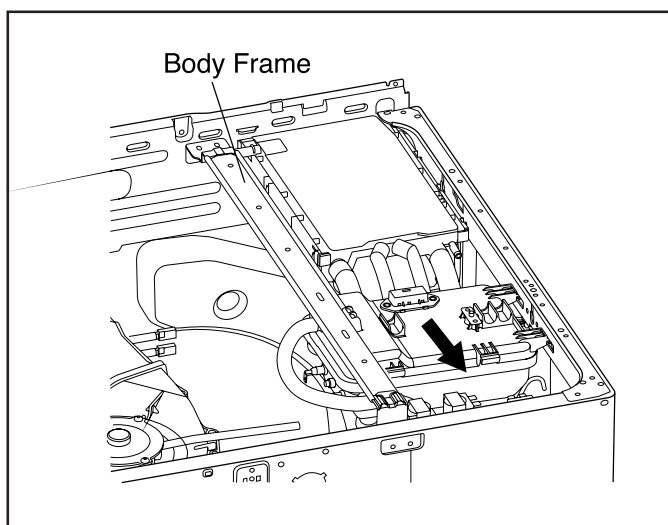
- ② Unscrew out the screw of the TSG and Body Frame.



③ Taking out the screws of Body Frame (4EA)



④ Separate the hoses from the TSG.

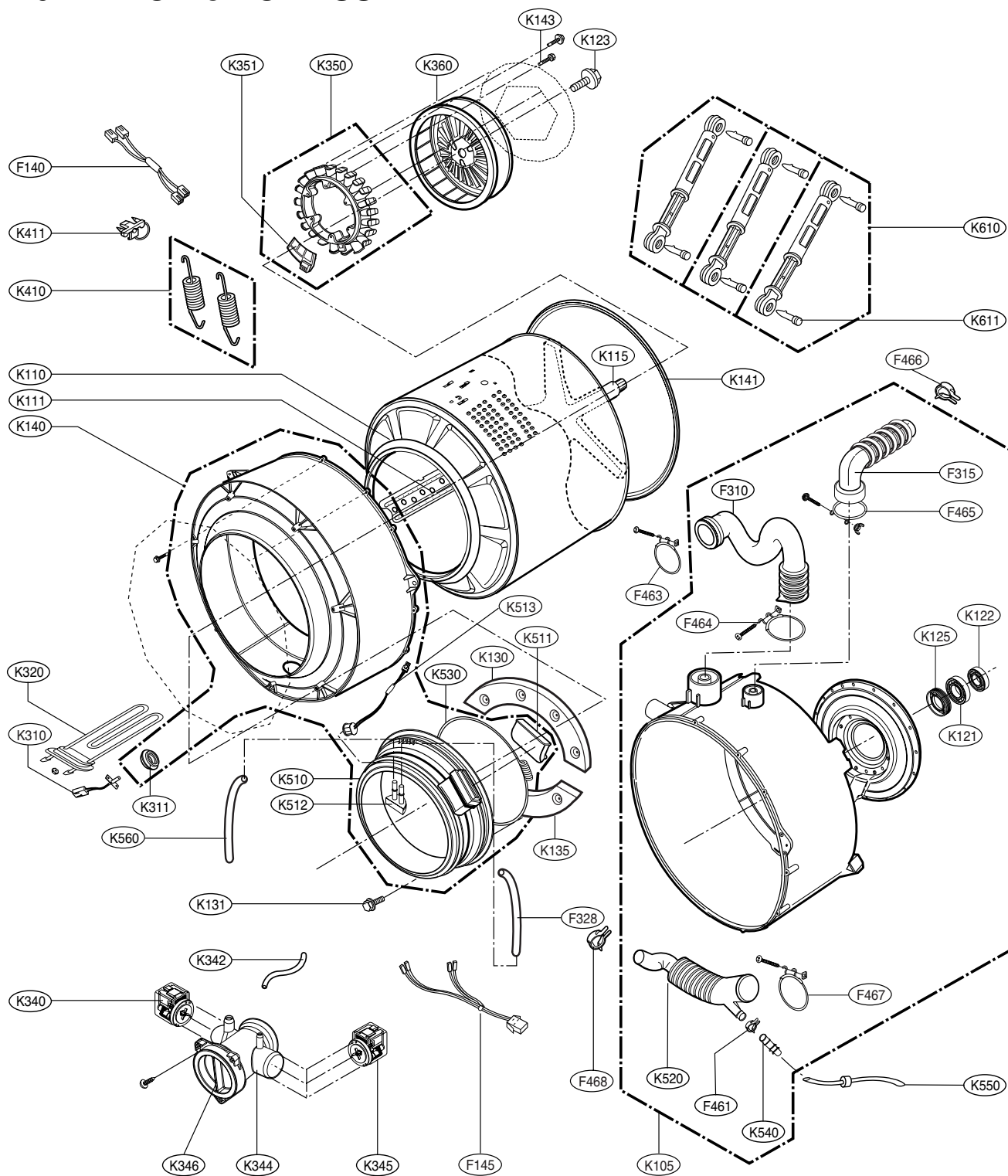


⑤ Remove the Body Frame and then, separate the TSG from the washer

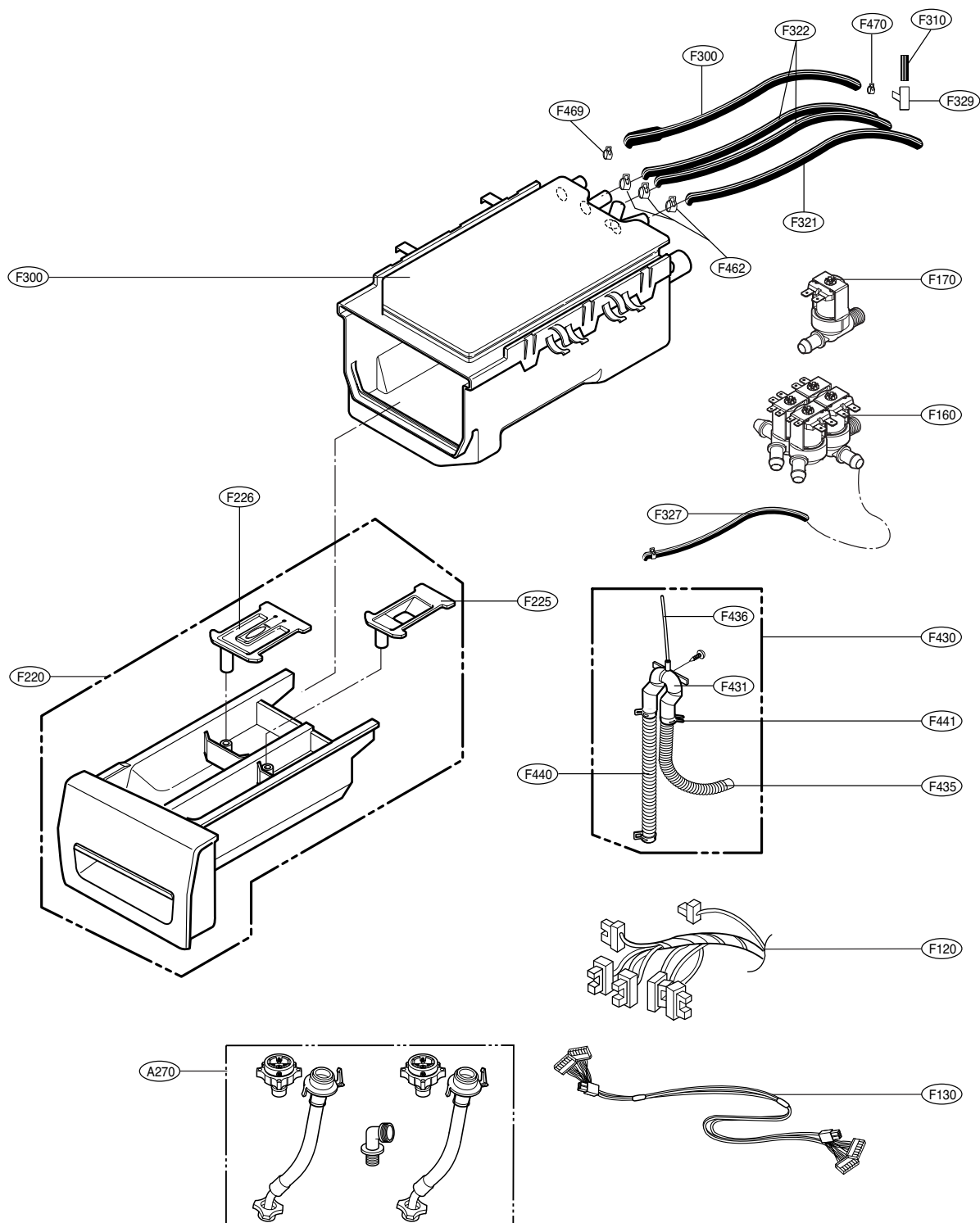
10-1.CABINET ASSEMBLY



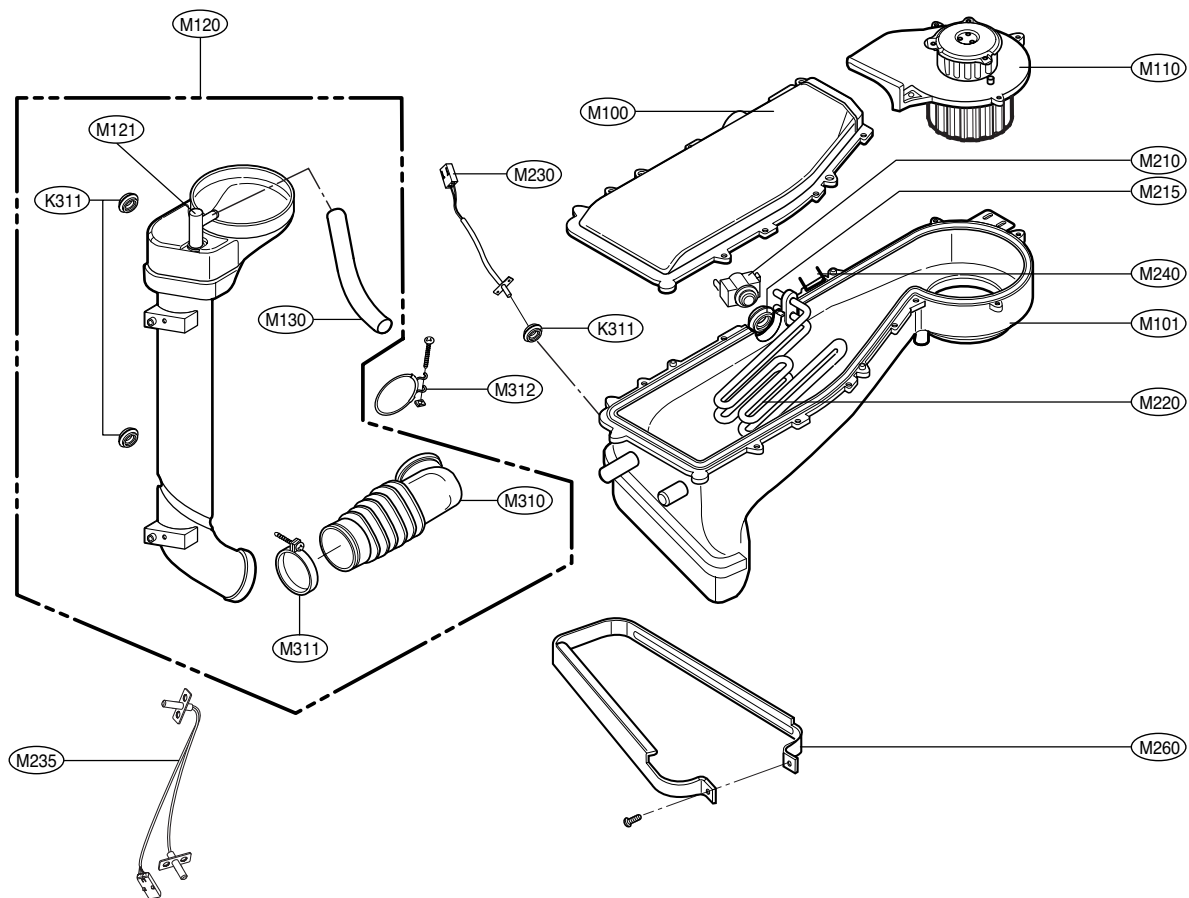
10-2. DRUM & TUB ASSEMBLY



10-3. CONTROL PANEL AND DISPENSER ASSEMBLY



10-4. THE EXPLODED VIEW OF DRYER





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