

# CONDENSING DRYER SERVICE MANUAL

## CAUTION

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

**MODEL : RC9011\*\* / RC8011\*\* Series**



## IMPORTANT SAFETY NOTICE

The information in this service guide is intended for use by individuals possessing adequate backgrounds of electrical, electronic, and mechanical experience. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, nor can it assume any liability in connection with its use.

### **WARNING !**

*To avoid personal injury, disconnect power before servicing this product. If electrical power is required for diagnosis or test purposes, disconnect the power immediately after performing the necessary checks.*

## RECONNECT ALL GROUNDING DEVICES

If grounding wires, screws, straps, clips, nuts, or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

## IMPORTANT

Electrostatic Discharge (ESD)  
Sensitive Electronics

**ESD problems are present everywhere. ESD may damage or weaken the electronic control assembly. The new control assembly may appear to work well after repair is finished, but failure may occur at a later date due to ESD stress.**

- Use an anti-static wrist strap. Connect wrist strap to green ground connection point or unpainted metal in the appliance.

- OR -

**Touch your finger repeatedly to a green ground connection point or unpainted metal in the appliance.**

- Before removing the part from its package, touch the anti-static bag to a green ground connection point or unpainted metal in the appliance.
- Avoid touching electronic parts or terminal contacts; handle electronic control assembly by edges only.
- When repackaging failed electronic control assembly in anti-static bag, observe above instructions.

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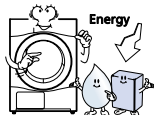
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ITEMS	RC8011**	RC9011**	REMARK
MATERIAL & FINISHES			
DRYING TYPE	Condensation	Condensation	
WEIGHT	45 kg (Gross : 50 kg)	45 kg (Gross : 50 kg)	
DIMENSION	595(W) x 850(H) x 600(D)	595(W) x 850(H) x 600(D)	
STANDARD DRYING CAPACITY	8.0 kg	9.0 kg	
CONTROL TYPE	Electronic Control	Electronic Control	
POWER SUPPLY	AC 220~230V, 50Hz (16A)	AC 220~230V, 50Hz (16A)	LGEUK:13A, LGEAP:10A
MOTOR	210W	210W	
HEATER	2500W	2500W	LGEUK:2350W, LGEAP:1900W
LED LAMP	DC12V(30mA)	DC12V(30mA)	
DOOR SWITCH	250V(5A)	250V(5A)	
THERMOSTAT	240V(25A)	240V(25A)	
CONTROL TYPE	Electronic	Electronic	
DRUM CAPACITY	125 Liter	125 Liter	
SAFETY DEVICES	Thermal Fuse (Motor)	Thermal Fuse (Motor)	
	Over current protect (Motor)	Over current protect (Motor)	
	Thermostat	Thermostat	
SENSING TYPE	Micom electronic Control	Micom electronic Control	
	1. Temperature : 2 thermistors	1. Temperature : 2 thermistors	
	2. Humidity : Electrode Sensor	2. Humidity : Electrode Sensor	
FILTER	Removable	Removable	
DRUM SPEED	52~53 rpm	52~53 rpm	
DRUM	Stainless steel	Stainless steel	
DRYER RACK	Available	Available	
CHILD LOCK	Available	Available	
TEMPERTURE CONTROL	Available	Available	Gentle button
BUZZER	Available	Available	Default : high
ANTI-CREASE	Available	Available	Dafault : OFF
FAVOURITE	Available	Available	Dafault : OFF
MORE TIME	Available	Available	Maximum=100min.
LESS TIME	Available	Available	Minimum=15min.
TIME DELAY	Available	Available	3~19 hours
DRUM INTERIOR LIGHT	Available	Available	
LED DISPLAY	TIME DISPLAY RUNNING STATUS INDICATOR EMPTY WATER CLEAN FILTER	TIME DISPLAY RUNNING STATUS INDICATOR EMPTY WATER CLEAN FILTER	



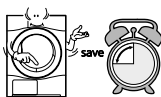
### Ultra big Capacity Drum

LG Dryer has 9.0kg / 8.0kg capacity which is the ultra big capacity.



### Lower Energy Consumption

Energy is saved by cutting-edge engineering design of drying system and by optimized heating control. It's a real money saving.



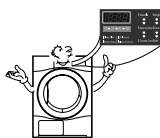
### Reduced drying time

Drying time is shortened by efficient air flow mechanism and optimized heater.



### Innovative noise performance

Noise gets reduced by Noise-absorption & screening technology.



### Easy of Use

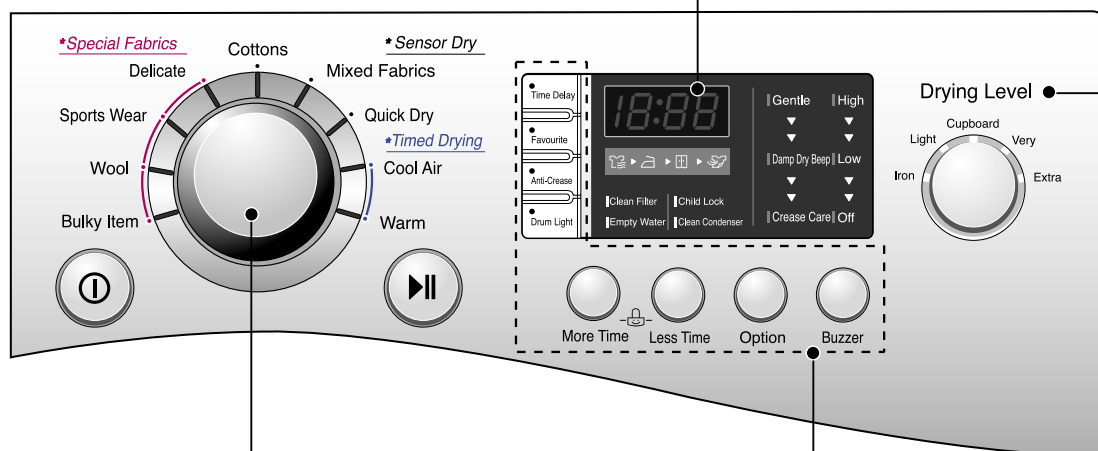
Wide LED display using electric control.

## Control Panel

### ■ RC9011A/B/C, RC8011A/B/C

#### LED Display

- Time Display
- Indicator Lamps & Left Time



#### Drying Level

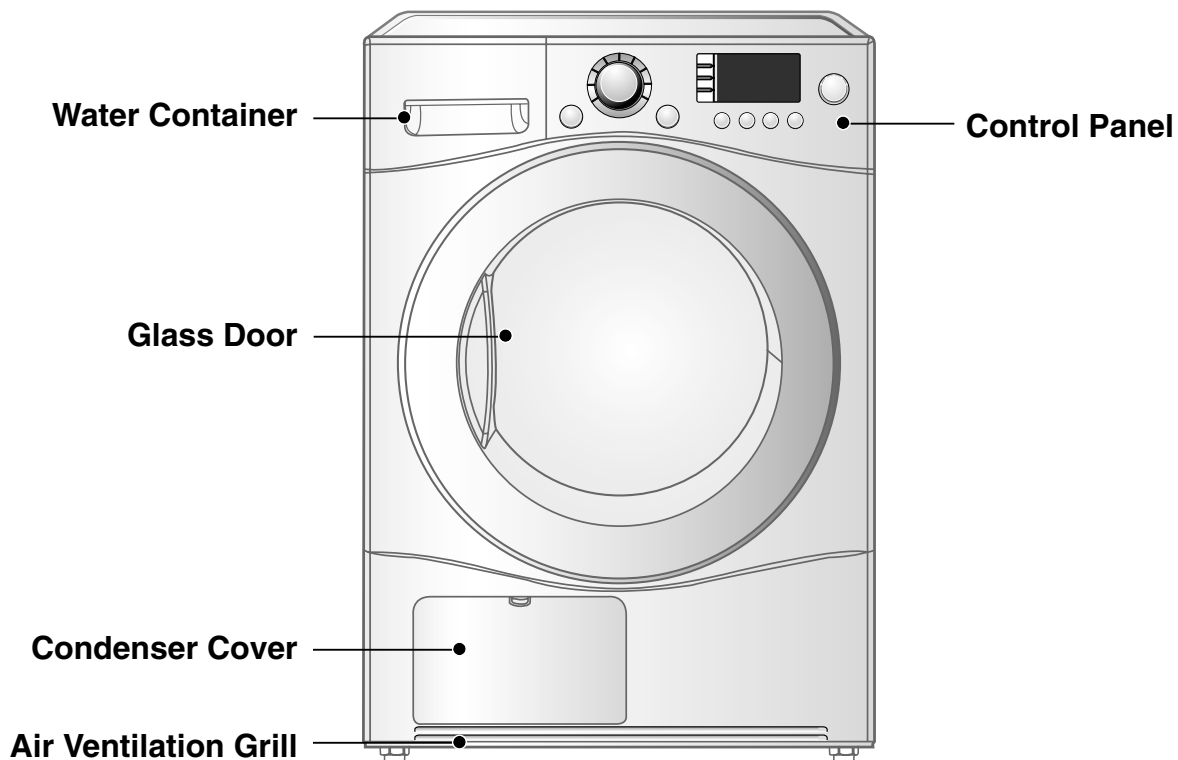
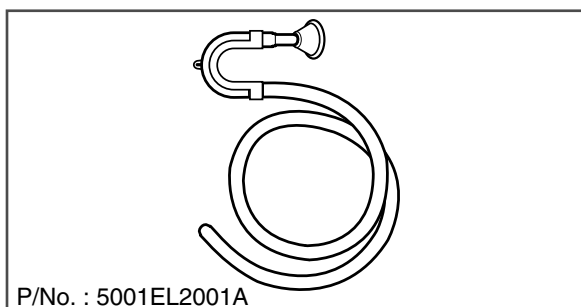
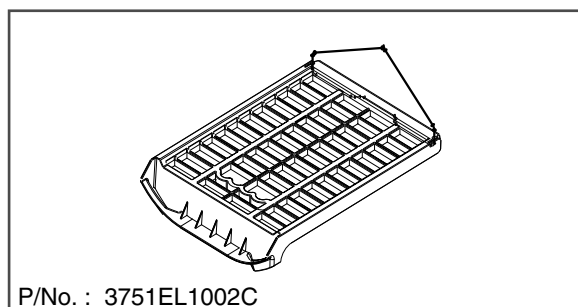
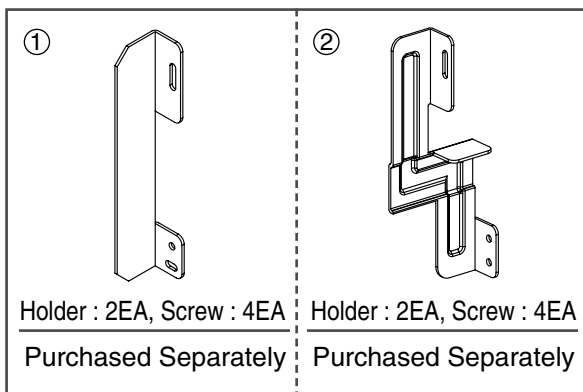
- Iron
- Light
- Cupboard
- Very
- Extra

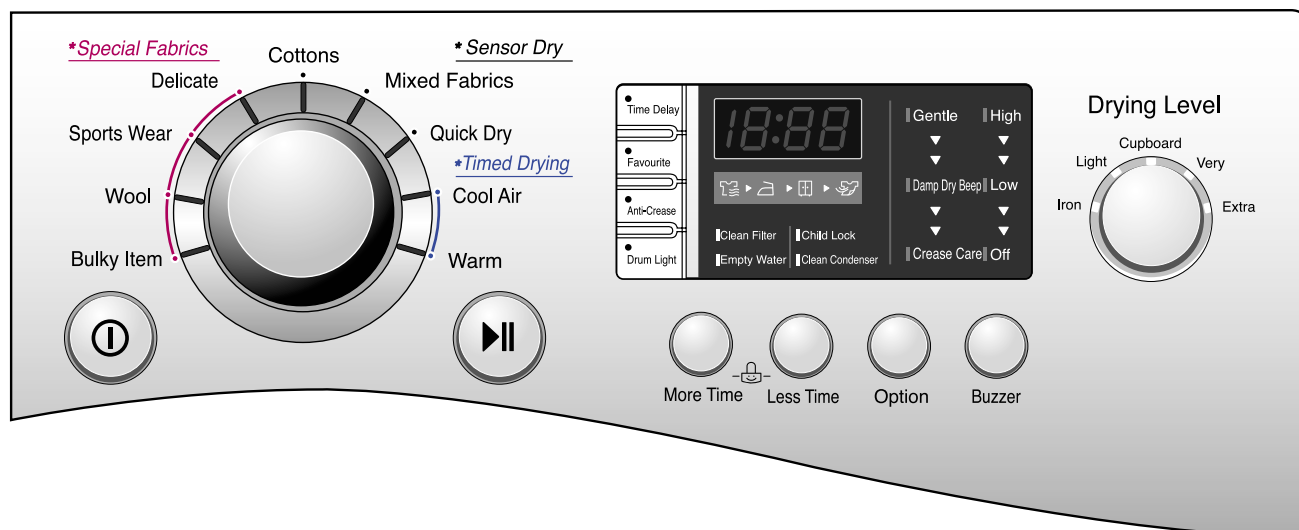
#### Program Selector

#### Additional Function Buttons

- More Time
- Less Time
- Option
- Buzzer
- Time Delay/Favourite
- Anti-Crease/Drum Light

## ■ RC9011A1/B1/C1, RC8011A1/B1/C1

● **Accessory parts****1. Drain Hose Assembly****2. Dryer Rack Assembly****3. Stacking kit Assembly ( Purchased Separately)**



### Time Delay

You can use the Time Delay function to delay the finishing time of drying cycle.

Maximum Time Delay is 19 hours.

Minimum Time Delay is 3 hours.

1. Turn the dryer on
2. Select cycle
3. Set time delay hour
4. Press Start/Pause button

### Favourite

If there is some cycle you would like to make based on your own drying habit, use "Favourite".

Once favourite cycle is stored, you can repeatedly use next time before changing the stored setting. For instance, you turn power on and select Extra Dry in Cotton Cycle and Low temp and Anti-Crease in series and then lastly press "Favourite" until the dryer beeps. It's about 3 seconds. That's all you have to do.

The next time, when turning the dryer on and pressing "Favourite" you can see the above options you select displays on the panel.

### Anti-Crease

Anti-Crease is functioning to prevent creases and rumples that are formed when the laundry is not unloaded promptly at the end of drying cycle. In this function, the dryer repeatedly runs and pauses to the cycle end.

If the door is open during Anti-Crease process, this function is cancelled.

### Drum Light

During operating cycle, you can see the drum inside by choosing drum light function. It helps easy viewing the drying cycle.

### More Time/Less Time

Press More Time or Less Time until the desired drying time is set.

#### Note

These buttons are available only with Timed Drying, before you push Start/Pause button.

### Child Lock (CL)

For the safety of your children, press More Time and Less Time buttons at the same time for about 3 seconds. You can see "CL" sign on LED window.

#### Note

For "CL" off, press More Time and Less Time buttons at the same time for about 3 seconds.

### Option

#### Gentle

- These are functioning to shorten or lengthen the cycle time by increasing or decreasing temperature.

#### Damp Dry Beep

- This is a function to inform time.

When is the most suitable for ironing with beeper sound.

#### Crease Care

- This is a function to reduce wrinkles.

### Buzzer

This is a function to able to adjust volume of beeper sound.



### Cycle Selection Table

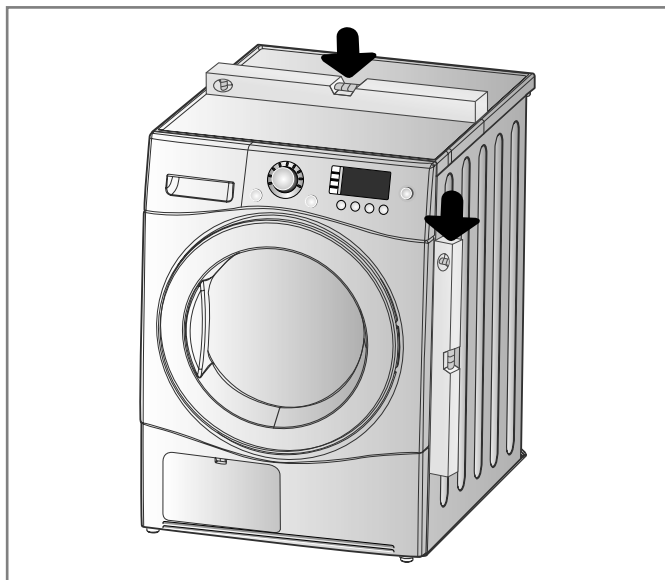
Electronic Auto Dry Cycles		Standard program
<b>Cotton (Whites and coloreds)</b> (Note) Select the gentle by pressing the option button for heat-sensitive items		
Towels, dressing gowns and bed linen	For thick and quilted fabrics	Extra Dry
Terry towels, tea towels, towels, bed linen	For thick and quilted fabrics which do not need to be ironed	Very Dry
Bath towels, tea towels, underwear, cotton socks	For fabrics which do not need to be ironed	Cupboard dry
Sheets, pillowcase, towels	For fabrics which do need to be ironed lightly, not completely	light Dry
Bed linen, table linen, towels, T-shirts Polo shirts and work clothes	For fabrics which do need to be ironed	Iron Dry
<b>Mixed-Fabric Cycles</b> (Note) Select the gentle by pressing the option button for heat-sensitive items		
Bed linen, table linen, tracksuits, anorak, blankets	For thick and quilted fabrics which do not need to be ironed	Very Dry
Shirts, blouses	For fabrics which do not need to be ironed	Cupboard dry
Trousers, dressers, skirts, blouses	For fabrics which do need to be ironed	Iron Dry
<b>Quick Dry Cycles</b>		
A kind of linen and towel except for the special fabrics	For the small loads of qualified fabrics with short drying times	Quick Dry
<b>Timed Drying Cycles for selected length of time</b>		
Bath towels, bath robes, dishclothes, Quilted fabrics made of acrylic	Small clothes & pre-dried laundry Normal fabrics using hot temperature for 20minutes	Warm
	Small clothes & pre-dried laundry Normal fabrics using hot temperature 40minutes	
All fabrics needing freshening, tumbles without heat		Cool Air
<b>Special Fabrics</b>		
Wool	For wool fabrics	Wool
Silk, Women's thin clothes, lingerie	For fabrics which are heat-sensitive like synthetic fabrics	Delicate
Soccer uniform, training wear	For 100% polyester material	Sports Wear
Bed clothes	For bulky items	Bulkey Item

### CAUTION

If the load is less than 1kg, please use "Timed Drying Course"  
 Your wool should be used in Wool program and heat-sensitive fabrics including silk, underwears, lingerie should be used in delicates courses.  
 Otherwise, these clothes can cause undesirable drying results.

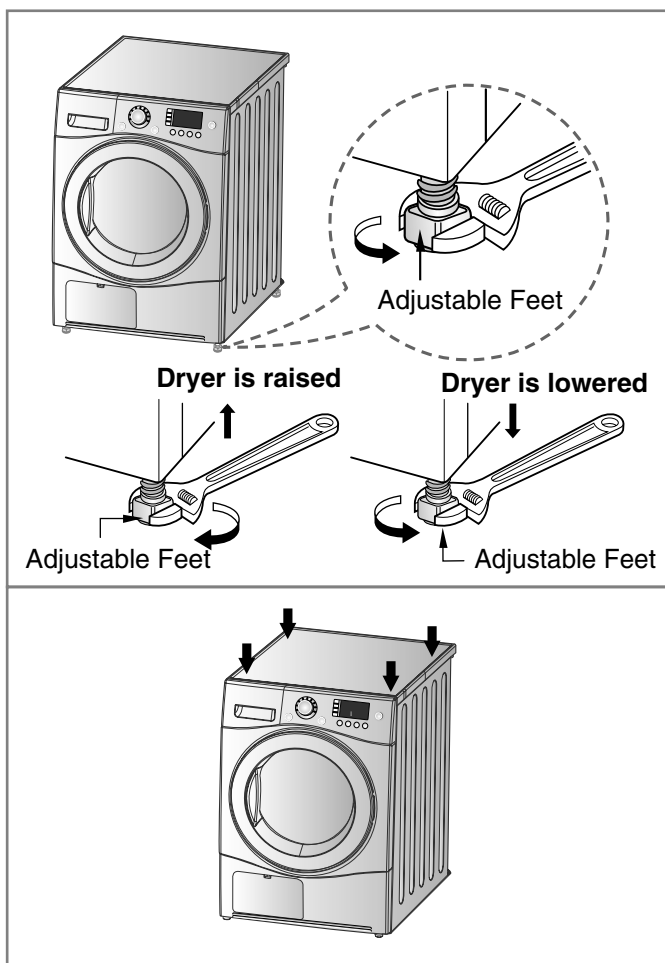
Course		More time	Gentle	Damp Dry beep	Hand Iron	Crease care	Buzzer	Time Delay	Favourite	Anti crease	Left Time
Course	Detail	Less time									
Cotton	Extra	X	O	O	X	X	O	O	O	O	125
	Very	X	O	O	X	X	O	O	O	O	120
	Cupboard	X	O	O	X	X	O	O	O	O	115
	Light	X	O	X	X	X	O	O	O	O	103
	Iron	X	O	X	O	X	O	O	O	O	97
Mixed Fabrics	Very	X	O	O	X	O	O	O	O	O	53
	Cupboard	X	O	O	X	O	O	O	O	O	48
	Iron	X	O	X	O	O	O	O	O	O	41
Quick		X	X	X	X	X	O	O	O	O	50
Timed Drying	Cool Air	O	X	X	X	X	O	O	O	O	40
	Warm	O	O	X	X	X	O	O	O	O	40
Special Fabrics	Delicate	X	X	X	X	X	O	O	O	O	45
	Sports wear	X	X	X	X	X	O	O	O	O	30
	Wool	X	X	X	X	X	O	O	O	O	21
	Bulky Item	X	X	X	X	X	O	O	O	O	60

## ● Level the Dryer



1. Leveling the dryer is to prevent undesirable noise and vibration.

When placing your dryer in an solid and level area where water is not dripping and freezing, flammable materials are not stored.



2. If the dryer is not properly level, adjust the front leveling legs up and down as necessary.

Turn them clockwise to raise and counterclockwise to lower until the dryer is not wobbling both front-to-back and side-to-side.

### \* Diagonal Check

*When pushing down the edges of the machine, the machine should not move up and down at all.*

*(Please, check both of two directions)*

*If machine rocks when pushing the machine top plate diagonally, adjust the feet again.*

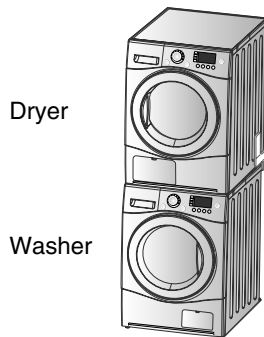
## Stacking Kit

In order to stack this dryer on LG Washing machine, you must purchase the LG stacking kit that is fitted by LG washing machine top plate size.

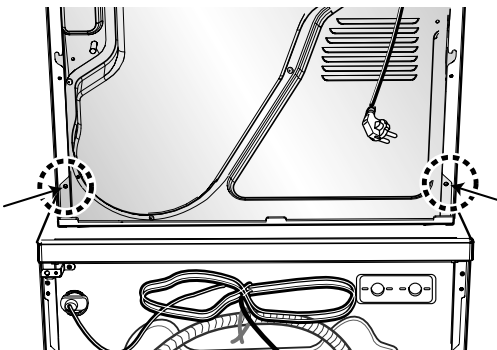
1. Place the LG dryer on the LG Washing machine.

### ⚠ WARNING

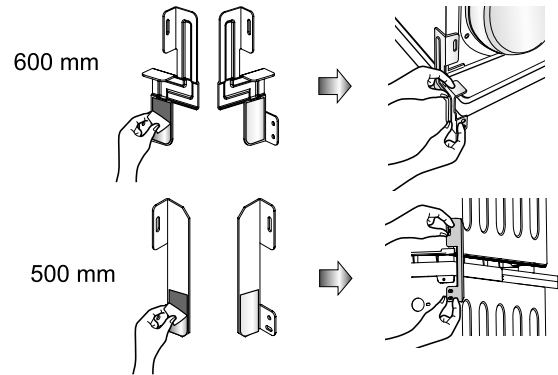
When Placing the dryer, pull power cord out of a power source. Don't drop the dryer.



2. Unscrew Rear cover in the Base by unscrewing 2 screws.

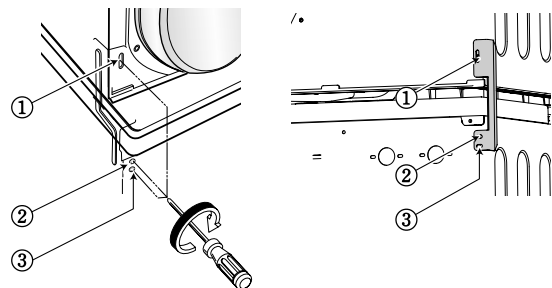


3. After detaching protection sheet of double-side tape, align stacking kit holes rear cover holes and then attach tape to the washer by pressing hard.



4. Assemble a stacking kit as following.

- Screw 2 screws which is unscrewed earlier to assemble dryer rear back and stacking kit. (①)
- Use accessory screws to assemble washer rear cover and stacking kit. (②, ③)
- The procedure for the opposite side will be the same.

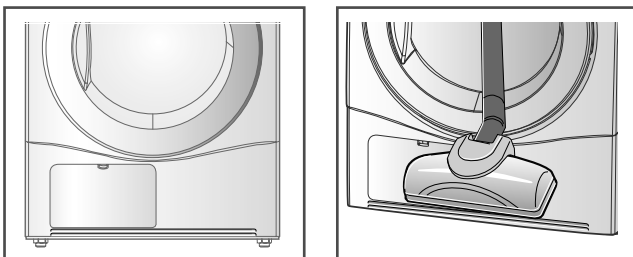


## Condensate Drain

The dryer can drain water without delivering to water container. Water is directly pumped out of the dryer.

### ● Front Ventilation Grille

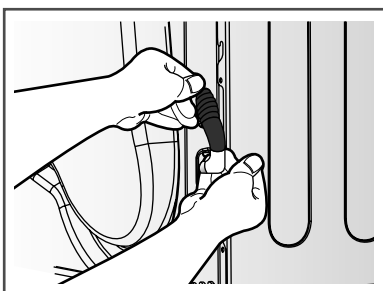
Vacuum the front ventilation grill 3~4 time a year to make sure there must be no build-up of lints or dirts which cause improper intake air flow.



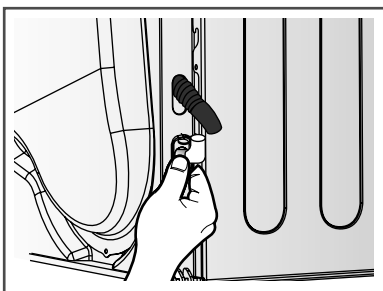
### ● Condensed Water Drain-out

Normally, condensed water is pumped up to water container where water is collected until emptied. Not only using water container, but water can be drained out directly to drain hose especially when dryer is stacked on top of washing machine. With connecting kit for drain hose, you can simply change water path and water reroute to the drainage facility. Please follow the below steps.

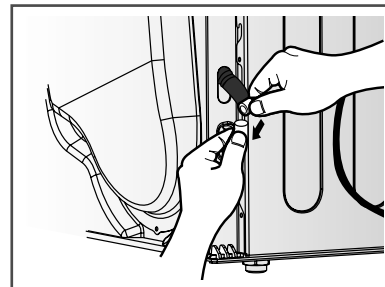
1. Take connecting kit out.



2. Separate water container hose from the kit.

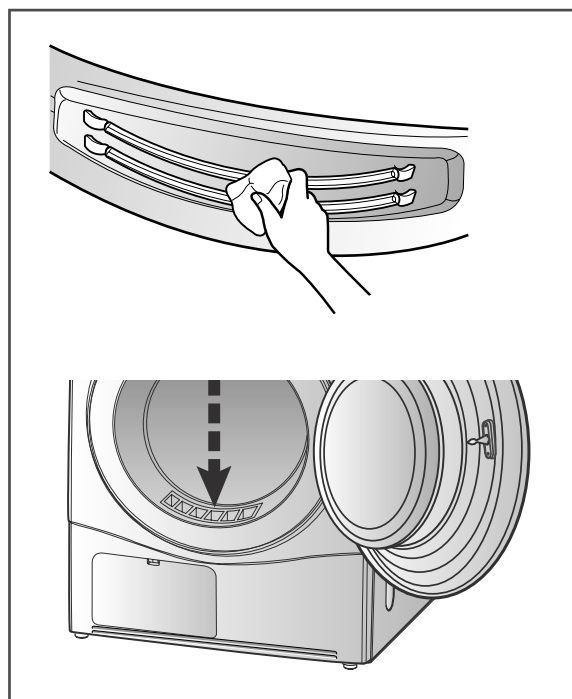


3. Connect drain hose to the kit.



### ● Moisture Sensor?

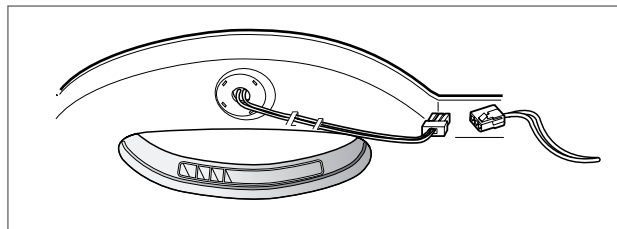
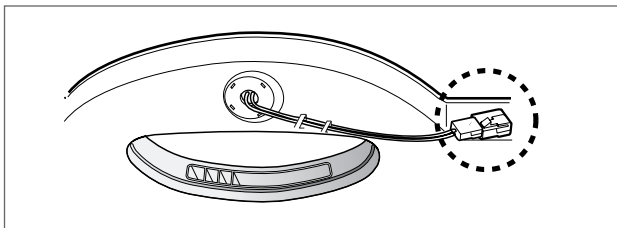
This device functions to sense the moisture remaining contents of the laundry during operation which means it must be cleaned all the time. The main reason of cleaning this part is to remove the build-up of lime scale on the surface of sensor. Wipe the sensors inside drum (Shown in the picture).



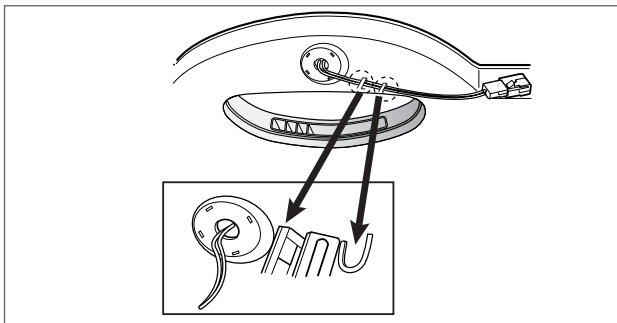
### ⚠ CAUTION

- Power cord must be unplugged before this work to avoid danger of electric shock.
- The bulb itself could be very hot when the dryer just finishes its operation. So before changing the bulb, be sure that the inside of the drum is cool down.

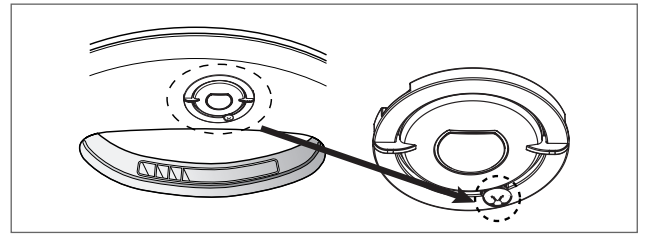
1. Disassemble Top Cover, Drawer and Control Panel Assembly as explained in Page no. 30
2. Disconnect the Red Connector.



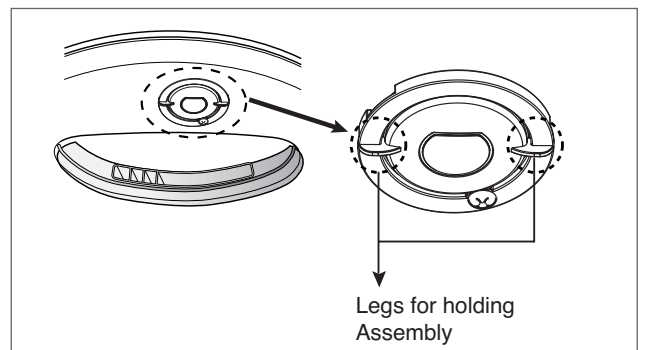
3. Now take the wire of Lamp Cover Assembly out of the hooks as shown in picture.



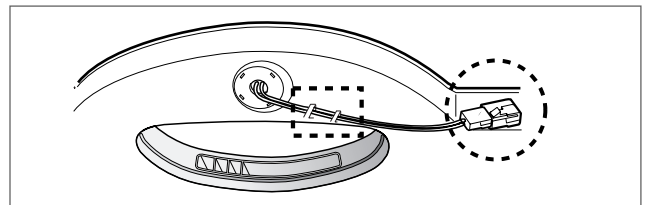
4. Open the Door, Put your one hand inside the Drum and unscrew the screw on Lamp Cover with the help of a screw driver.



5. Rotate the lamp cover in anti-clockwise direction (from your side) till it stops to rotate and pull it with certain amount of force, and take out the LED Lamp Cover Assembly.

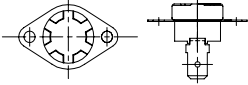

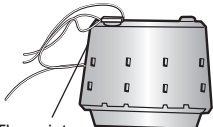
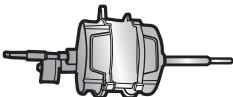

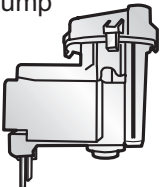


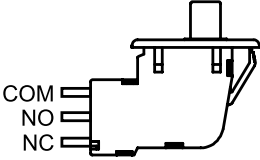

6. Now insert new LED Lamp Cover assembly from inside and pull the connector and its wire toward outside through the hole, at same time rotate the lamp cover in clockwise direction, till it stops to rotate.
7. Screw the screw taken out during disassembly.
8. Adjust the Wire through the hooks and Connect the red connector.



9. Assemble the control panel, Drawer and Top plate.

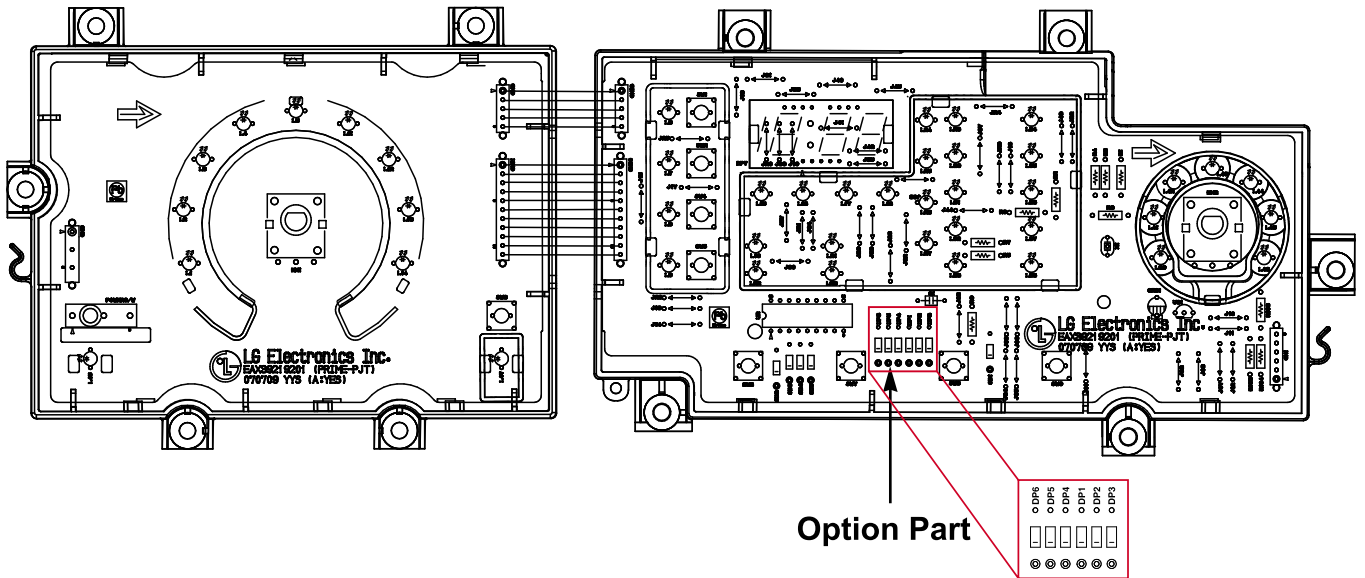
**(DO NOT forget to connect the connectors of Control Panel Assembly in PCB Assembly).**

Component	Test procedure	Check result	Remark
1. Thermostat (Manual type) 	Measure resistance of Terminal to terminal 1) Open at 170°C (-10/+5°C)	Measure resistance by pressing button When resistance becomes $\infty$  Resistance value < 5Ω	Safety Thermostat
2. Thermistor (Low temperature) 	Measure resistance of terminal to terminal	Resistance value : 10KΩ $\pm$ 5% (at 25°C)	Cover, Front
3. Heater, Thermistor  Thermistor	Measure resistance of Terminal to terminal	Resistance value : Yellow/White : 28.96 $\pm$ 1Ω Blue/White : 56.29 $\pm$ 2Ω	
	Measure resistance of therminal to terminal	Resistance value : 200KΩ $\pm$ 5% (at 25°C)	Heater
4. Motor 	Measure resistance of Terminal to terminal	Resistance value(20°...): Blue / White : 15.3( $\pm$ 7%)Ω Red / White : 18.5( $\pm$ 7%)Ω	
5. Capacitor 	Measure capacitance of Terminal to terminal	Capacitance value : 10 $\pm$ 0.2μF	
6. Pump 	Measure resistance of Terminal to terminal	Resistance value(20°C): 210( $\pm$ 5%)Ω	

Component	Test procedure	Check result	Remark
7. Door S/W 	Measure resistance of the Following terminal 1) Door switch knob : open ① Terminal : “COM”- “NC” (1-3) ② Terminal : “COM”- “NO” (1-2) 2) Door switch push : Push ① Terminal : “COM”- “NC” (1-3) ② Terminal : “COM”- “NO” (1-2)	 ① Resistance value < 1Ω  ② Resistance value ÷ ∞  ① Resistance value ÷ ∞ ② Resistance value < 1Ω	The state that knob is Pressed is opposite to open condition
8. Lamp holder 	LED LAMP	DC 12V	



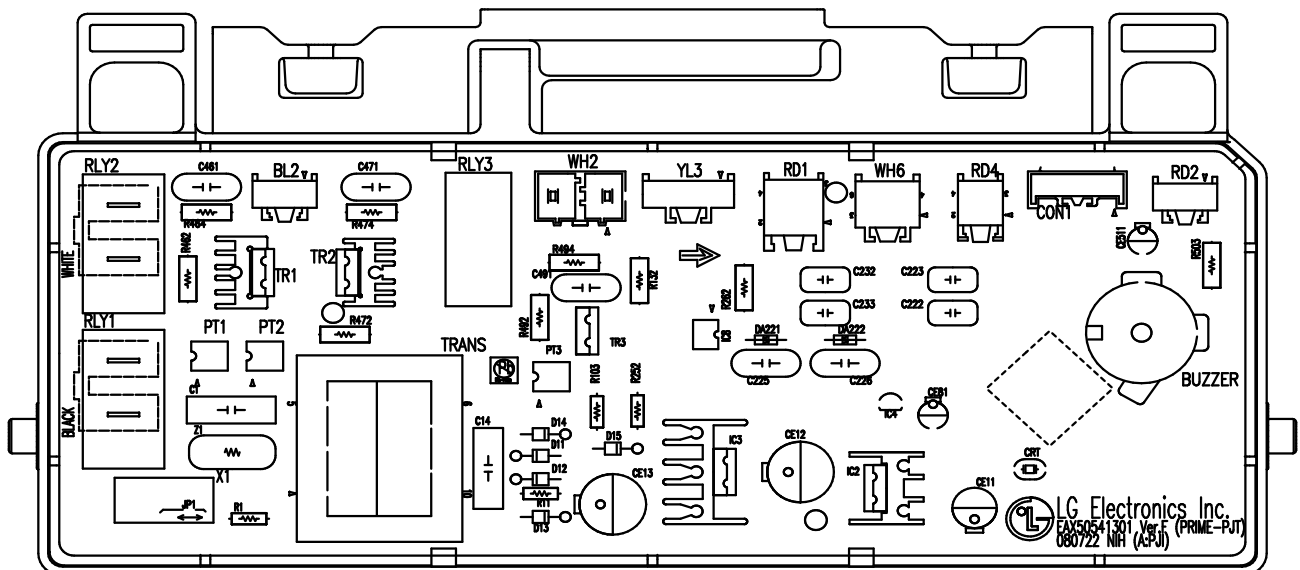
## PWB ASSEMBLY DISPLAY LAY-OUT

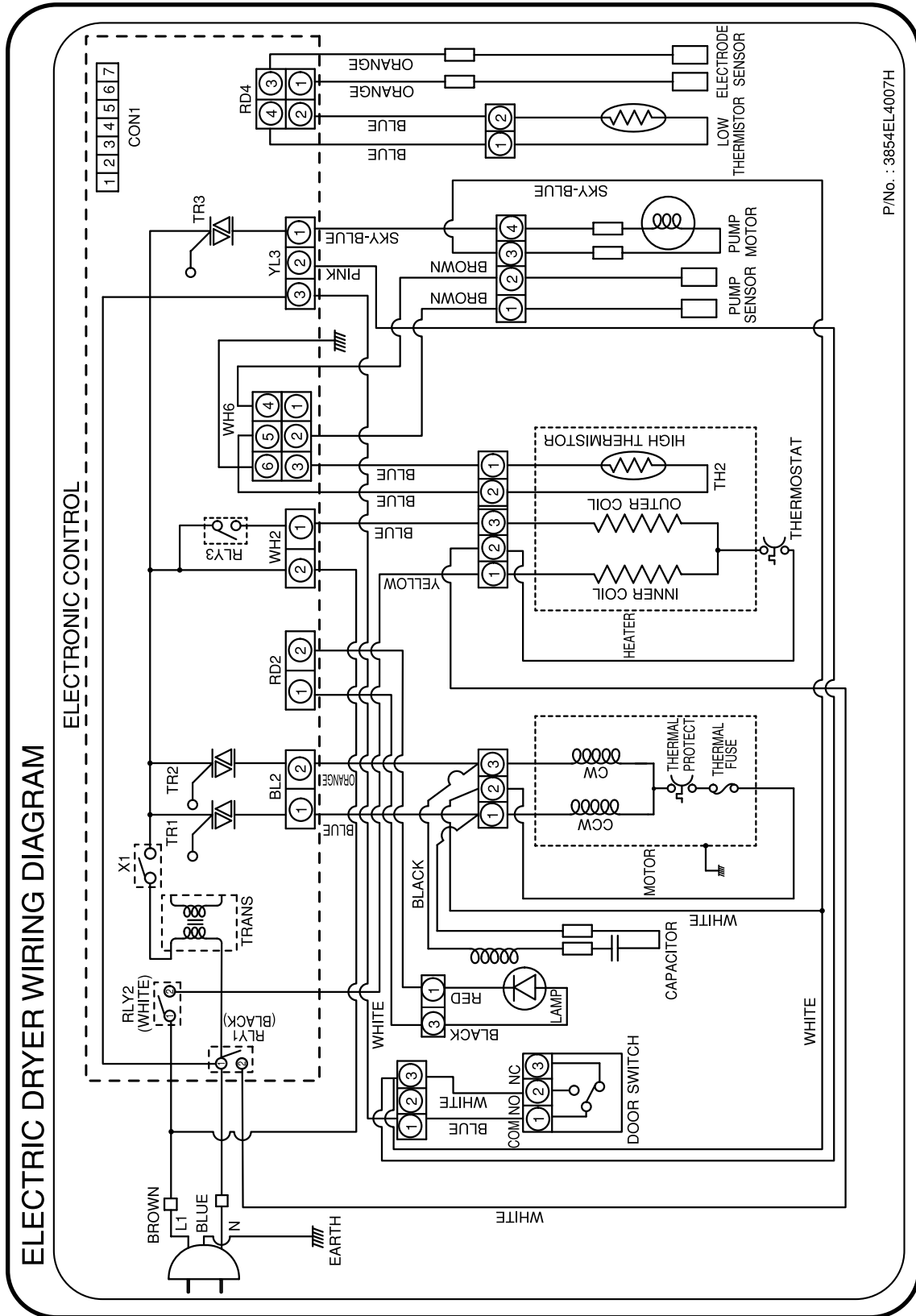


MODEL	OPTION PART						P/NO
	DP1	DP2	DP3	DP4	DP5	DP6	
RC8011* RC9011*	X	X	X	X	X	X	EBR50559201
RC8011** RC9011**	X	X	O	X	X	X	EBR50559202

※ O : Option diode(DP) applied  
X : Option diode(DP) not-applied

## PWB ASSEMBLY LAY-OUT







1. This TEST should be used for Factory test/Service test. Do not use this DIAGNOSTIC TEST other than specified.
2. Activating the Heater manually with Door open may trip the Thermostat attached to the Heater, therefore do not activate it manually, (Do not press the door switch to operate the heater while the door is open)

### Activating the diagnostic test mode

1. Unit must be in Standby (unit plugged in, display off)
2. Press “**POWER**” while pressing “**More time**” and “**Less time**” simultaneously.

Pressing the “START/PAUSE” button	CHECKING ACTION	DISPLAY	CHECKING POINTS	
None	Electric control	 	Check all leds for operation.	All the LED's on with buzzer.
Once	Motor	70~240 Measured Moisture Value	Motor run counterclockwise. Displays Moisture Sensor Operation: If moisture sensor is contacted with damp cloth. The display number is below 180, in normal condition.	Course LED's on.
Twice	Motor	70~240 Measured Moisture Value	Motor run clockwise. Displays Moisture Sensor Operation: If moisture sensor is contacted with damp cloth. The display number is below 180, in normal condition.	Only option Button LED's on.
3 times	Motor + Heater 1	Current temperature	Motor run clockwise. Heater run(Display the temperature of low temperature thermistor located under door.)	LED's of Gentle and Quick option glitter.
4 times	Motor+Heater 1 +Heater 2	Current temperature	Motor run clockwise. Heater run(Display the temperature of high temperature thermistor located in heater assembly.)	LED's of Time Delay, Favorite, Anti-crease and Buzzer options glitter.
5 times	Motor off + Heater off Pump on	Water level in sump	Pump run	All the LED's of Sub-Jog dial (Drying Level) glitter.
6 times	Motor	70~240 Measured Moisture Value	Motor run clockwise. Displays Moisture Sensor Operation: If moisture sensor is contacted with damp cloth. The display number is below 180, in normal condition.	All the LED's on.
7 times	Motor off	000		All the LED's on / Off.
8 times	Control Off		Auto Off	

### Data Display

-Tested under normal operation mode.

- Press the button as follows.

No. of Button pressing	Display
More time + Time Delay	Moisture data
More time + Favourite	Temperature sensed by low temperature thermistor (located under door)
More time + Anti-Crease	Temperature sensed by High temperature thermistor (located in heater assembly)
More time + Drum Light	Remaining water data by water level sensor

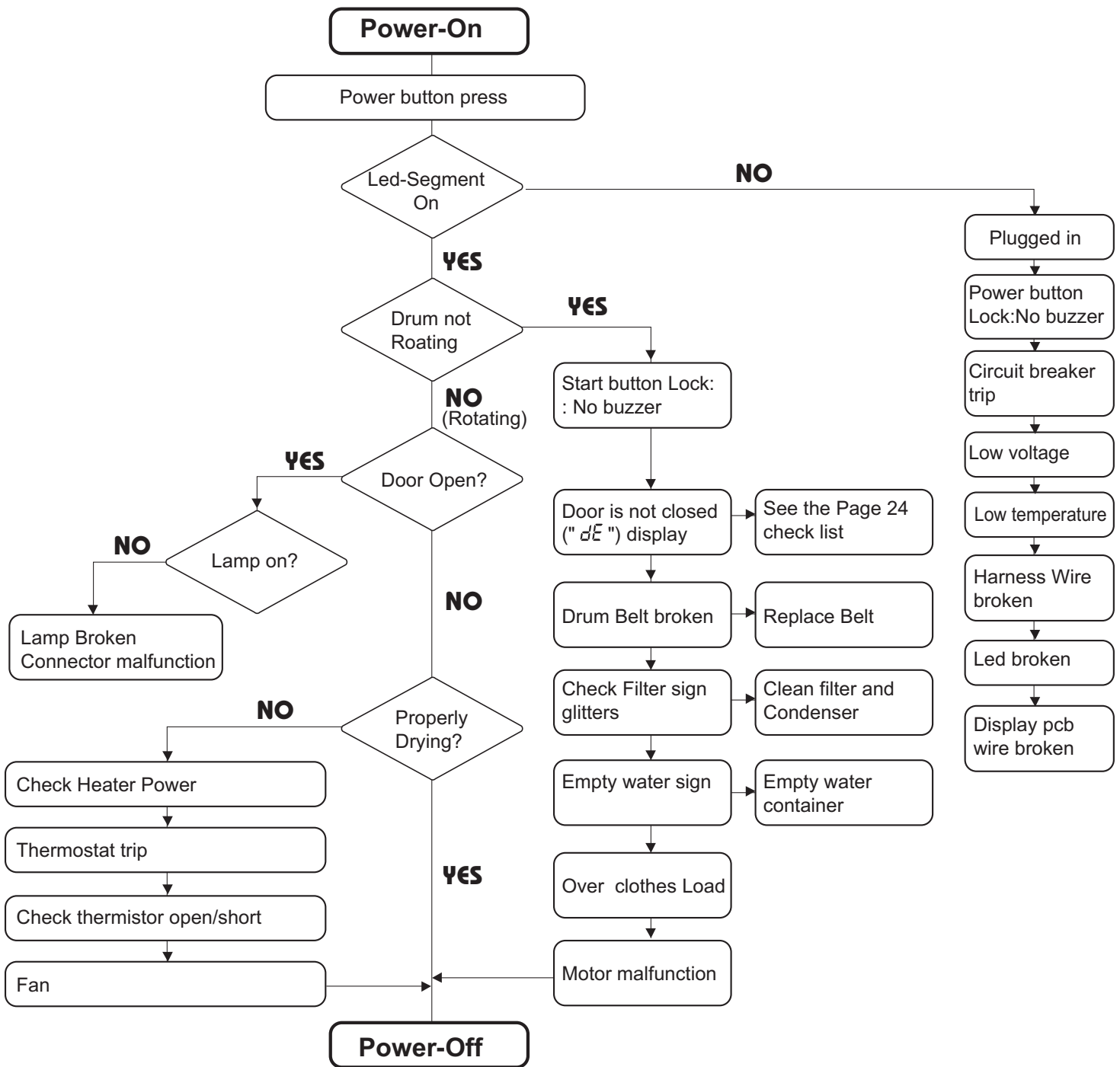
## ● Error Mode

- **dE** : LED displays “dE” in case of the door open. The door must be closed and start Button must be pressed for re-operation. (See the 22 page)
- **tE 1, 2, 3** : splay thermistor symptom.

Display	Symptom
tE 1	Low temperature thermistor open
tE 2	Low temperature thermistor short
tE 3	High temperature thermistor open

## Check point

- **tE 1** : Check the main PCB red 4 pin housing not inserting Blue harness in red 4 pin  
( number 2 , 4 )  
Low temperature thermistor connector not inserting  
Main PCB Micom not soldering
- **tE 2** : Check the main PCB red 4 pin housing Short of Blue harness in Red 4 pin.  
Low temperature thermistor short : check the resitance( see 15 page )  
Main PCB Micom short → replace Main PCB
- **tE 3** : Check the white 8 pin housing (No. 3,4) in main PCB.  
And Check the high temperature thermistor connector in rear cover part. ( blue wire )



## Test 1 : ELECTRIC SUPPLY &amp; CONTROL CHECK

Trouble Symptom : No power to the dryer or the controller

Measurement condition : Power is on.

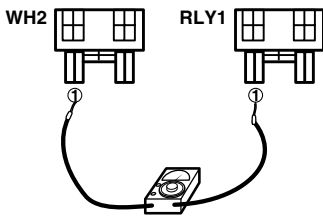
[⚠ Caution] Electric shock. Please test after grounding check.



Power voltage is within standard range (AC 215V~245V)?



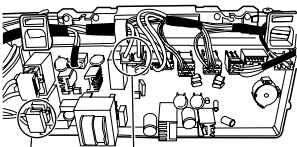
- Check the - Circuit breaker



- Check after pulling Black 2 pin and WH2 connector out from controller.
- Check the range of black pin Black pin ④ ~WH2 pin ② is within AC 215~245V?



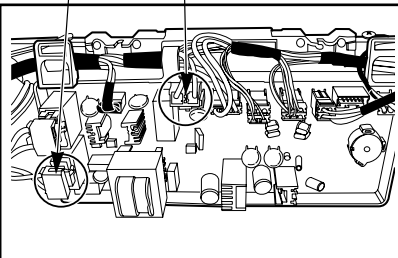
- Check or replace the controller
- Check the harness



- Check connection of power cord and harness assembly.
- Check WH2 pin ② - Black pin ④ of connector and secure that range is between AC 215~245V?



- Check or replace the power cord
- Check the WH2 Pin ②



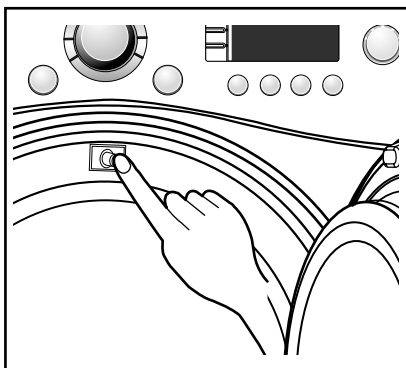
Check the short of harness assembly and the connection.

※ In the case that the dryer is not working, when controller is powered and display button is properly working, Check RLY1 in the controller.

## Test 2 DOOR SWITCH / LAMP CHECK

Trouble Symptom : Malfunction of lamp operation and door switch  
 No operation of pump motor  
 Displays “ $\text{dE}$ ” in case of the door closed.  
 The door must be closed and start.

Measurement condition : Check if they are working while being connected to power supply.



When door is opened, lamp turns on?  
 (Tumbling stops)

**NO**

Check door switch movement.  
 - See the left picture.  
 Check and replace lamp.  
 - See the 14,16 page

**YES**

When door is closed, lamp turns off?  
 When "Start" button is pressed, the dryer is working?

**YES**

• Door switch is working normally.

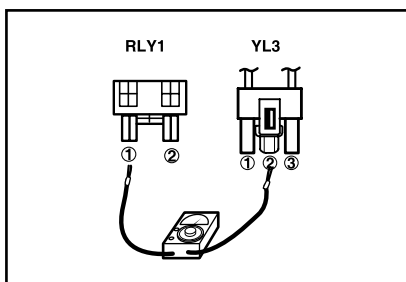
**NO**

When door is opened or closed, door switch hook is not broken?

**YES**

• Replace door hook and close the door.

**NO**



• With door closed, check voltage of connector RLY① and YL3② which are pulled out from controller in advance. The voltage range is between AC 215~245V?

**NO**

• Door frame is distorted  
 • Check door switch  
 - See 16 page

**YES**

Check or replace Controller Assembly  
 Replace Harness and connector

• With door closed, when "Start" button is pressed, lamp turns off and controller is working, but the dryer is not working.

## Test 3 Motor check

Trouble Symptom : Motor malfunction, Occurrence of the "Clean filter" repeatedly

Measurement condition :

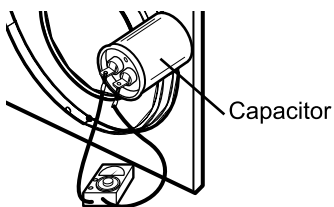
- Power cord is unplugged.
- Door is closed.
- Check the user condition.
  - Put over load into drum?
  - Normally Input Voltage and Hertz?
- Pre-Check door switch  
(If door switch has contact problem, pump motor is not working.)

• Before check process, Check the motor rotating by the Diagnostic test mode "See the 19 page".

• When power is on and press the start button, motor is rotating.



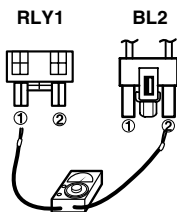
• Check the harness connection.  
 - Motor part : Blue 2 pin housing.  
 - Controller part : Blue 2 pin housing ( Orange and Blue wire ).  
 - Capacitor part : White 2 pin housing.  
 • Check the belt ( position / broken ).  
 • Check the Controller  
 - TR1 , TR2 Broken ?  
 • Check the slide ( 3 ea ).



• During operation, motor noise is occurred ?



• Check Capacitor volume.  
 - See component test page.  
 - See the left picture.  
 • Check belt is burst.  
 • Check structural restriction.  
 ( Motor supporter / Air guide Blower )



With RLY1, BL2 being unplugged from Controller,  
 1) RLY1 ① - BL2 ① resistance  
 2) RLY1 ① - BL2 ② resistance  
 measurement ranges  $18\Omega \sim 26\Omega$  ?



• Check or replace Motor  
 - Check Motor TP  
 • Check Harness connection  
 • Check the Motor resistance.  
 (see page 15 )



• Check controller  
 -See page 17  
 (PCB Assembly Lay-out)

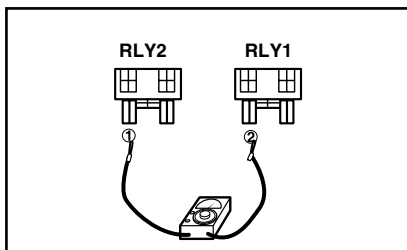


## Test 4 Heater check

Trouble Symptom : Motor malfunction, ventilation error

Trouble Symptom : Heater is not working. Drying failure. The designated temperature is not reached.

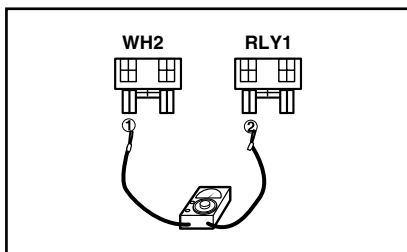
Measurement condition : ① Power cord is unplugged.



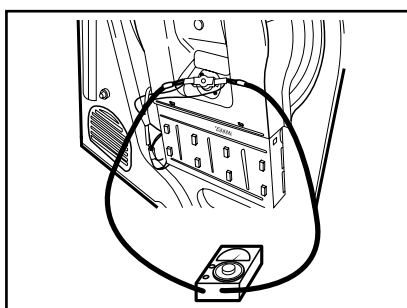
With Tab relay housing disconnected from Controller,  
 1) RLY1 ② - RLY2 ① resistance ranges  $26\Omega \sim 32\Omega$  ?  
 2) RLY1 ② - WH2 pin ① resistance ranges  $53\Omega \sim 59\Omega$  ?

YES

- Check and replace controller.
- RLY2 ~ WH2
- See page 17, PCB assembly lay-out.



NO



When check thermostat to Heater,  
 it is less than  $1\Omega$ ?

YES

- Replace Heater
- Check Harness connection

NO

Manually get Thermostat back (Press button)

Heater On/Off occurs frequently

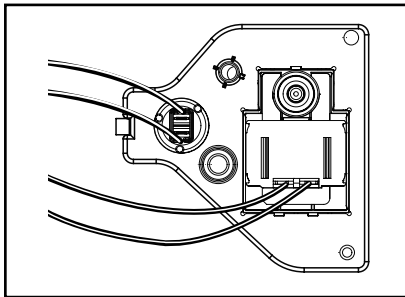
1. Clean Condensing unit :
2. Check if Lint filter is damaged or clogged

## Test 5 Pump check

Trouble Symptom : Check if pump is out of order. " Empty water" signals.

Measurement condition : Power cord is unplugged.

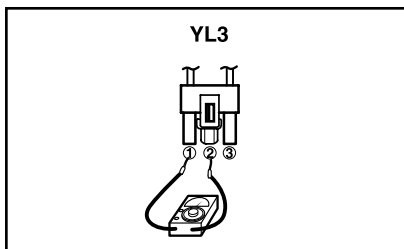
Check the hose blocked with foreign body or twist.



(Measure with power on)  
On QC test mode, when Pump  
is on,  
Electric noise doesn't occur  
while pumping?



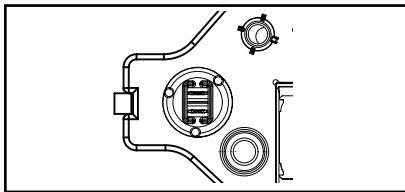
- Disassemble Pump
  - Check foreign objects
  - Check impeller restriction
  - Check connection hose clogged



(Measure after power is off.)  
With YL3 disconnected from  
Controller,  
YL3 ① - YL3 ② resistance  
ranges  $205 \pm 10 \Omega$  ?



- Check or replace pump
- Check Harness connection

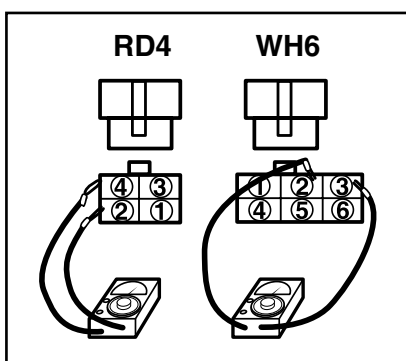


- Check Pump sensor
- Check and replace Controller - TR3

## Test 6 Thermister check

Trouble Symptom : Poor drying performance(over-drying or no drying). Abnormal thermistor operation.

Measurement condition : Power cord is unplugged.



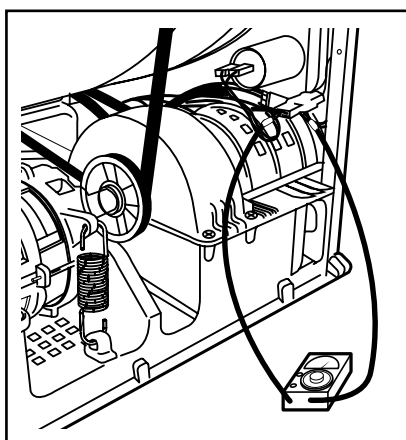
With RED 4 , WHITE 6 disconnected from Controller, check

- 1) High temperature thermistor ( Wire color : Blue ) White 6 pin ③ - White 6 pin ④ resistance ranges table data according to surrounding temperature.
- 2) Low temperature thermistor ( Wire color : Blue ) Red 4 pin ② - Red 4 pin ④ resistance ranges table data according to surrounding temperature.



• Check and replace Controller.

- 1) Check disconnected Housing or severed Wire.
- 2) Check the resistance of thermistor.
- 3) Replace controller and then recheck, if anything else occurs.



- When measuring resistance of Heater thermistor. It range table data.



- Replace the thermistor of heater.



- When measuring resistance of Low temperature thermistor. It range table data.



- Replace the low temperature thermistor.



- Check Harness

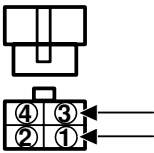
Dryer Temperature	Resistance		Dryer Temperature	Resistance		Remark
	TH-Heater	TH-Drum		TH1	TH2	
10°C ↓		19~111kΩ	40~50°C	113~75kΩ	5~4kΩ	
20~30°C	250~180kΩ	11~8kΩ	50~60°C	75~50kΩ	4~2.5kΩ	
30~40°C	180~113kΩ	8~5kΩ	60°C ↑	50kΩ ↓	2.5kΩ ↓	

## Test 6 Moisture sensor check

Trouble Symptom : Drying Failure

Measurement condition : Power cord is unplugged.

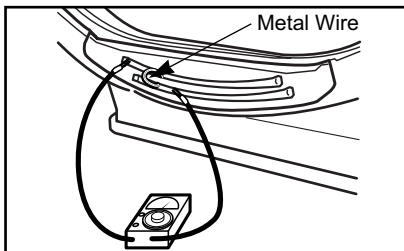
RD4



With RD4 disconnected from Controller, RD4 ① - RD4 ③ resistance is unlimited?



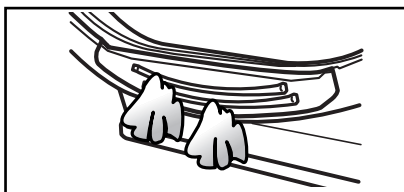
- Check Harness
- Check if Sensor tips have foreign objects  
- Refer to the left picture



With metal tape attached to Sensor tips, RD4 ① - RD4 ③ resistance is less than 10Ω?



- Check Harness  
- Open, Connector is disconnected



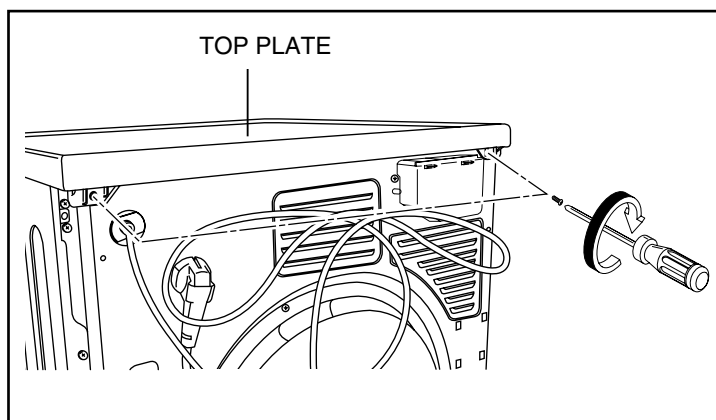
After damp clothes touch Sensor tips, the range are within the below table when QA-test?



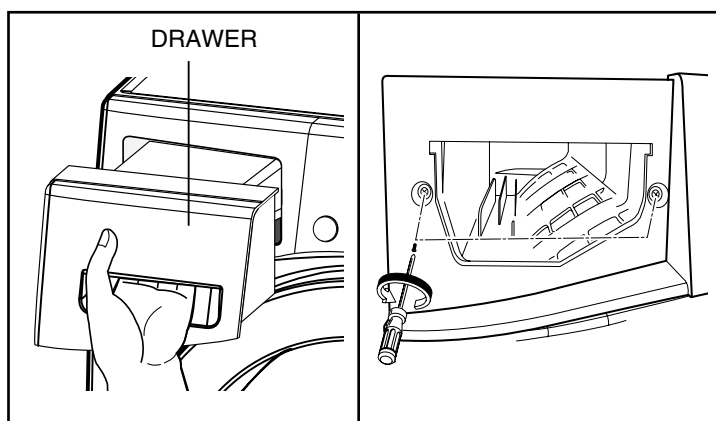
- Check and replace Controller

* IMC	DISPLAY	NOTE
40% ~ 60%	50 ~ 130	After Spinning
5% ~ 20%	100 ~ 200	Iron dry
-3 ~ +5 %	205 ~ 240	After normal dry

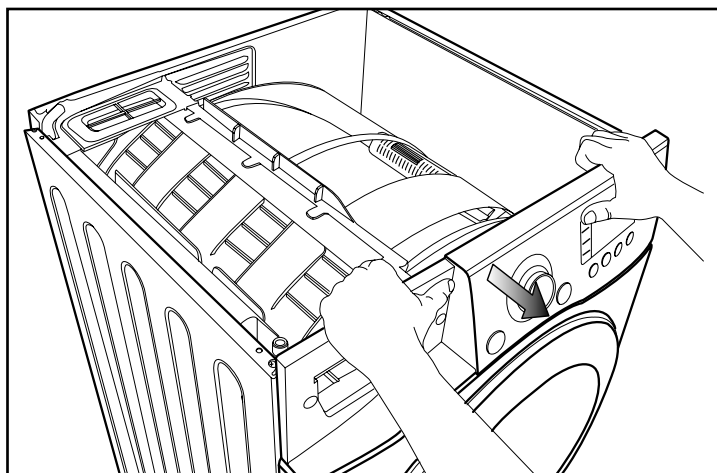
\* IMC : Initial Moisture Contents.



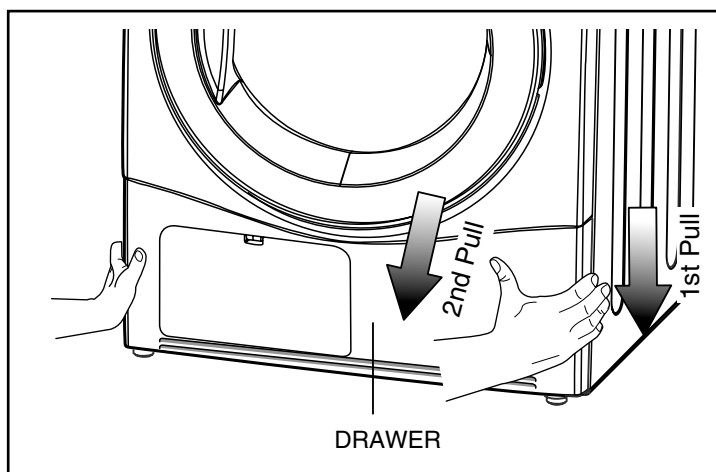
1. Disassemble top plate by unscrewing 2 screws on the rear of the dryer.



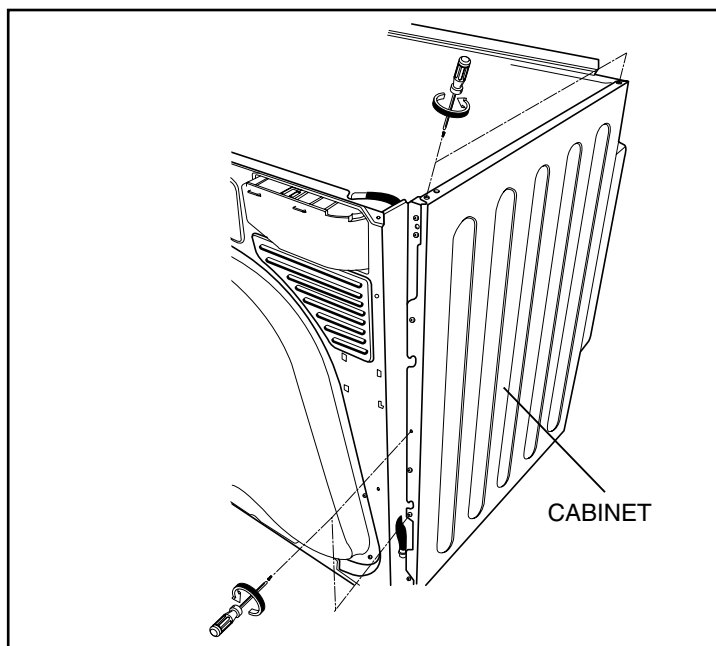
2. After pulling drawer assembly out and unscrew 2 screws.



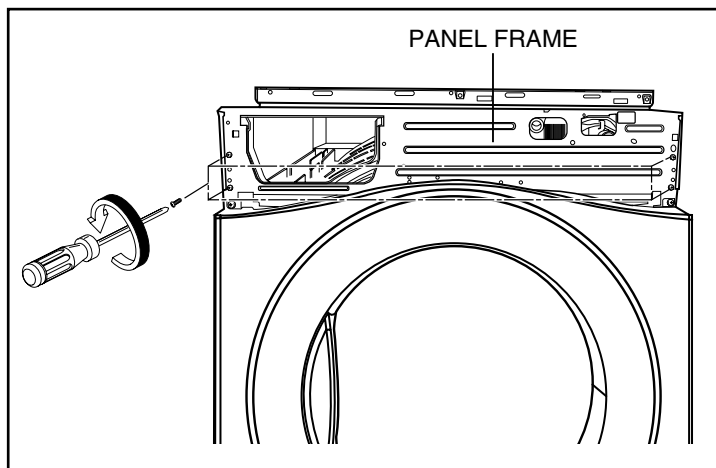
3. Disassemble control panel by unscrewing 2 screws on the Rear of the panel frame.



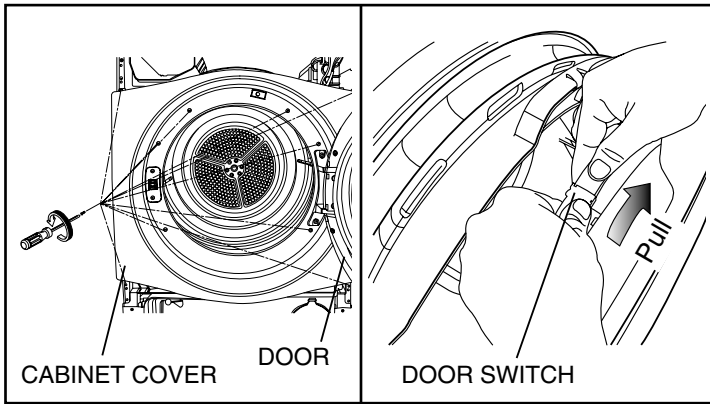
4. Disassemble the lower cover by pulling to the front.



5. Disassemble cabinet by unscrewing 2 at the top and 3 at the rear (Left and right are the same).



6. Disassemble panel frame by unscrewing 4 at the front.



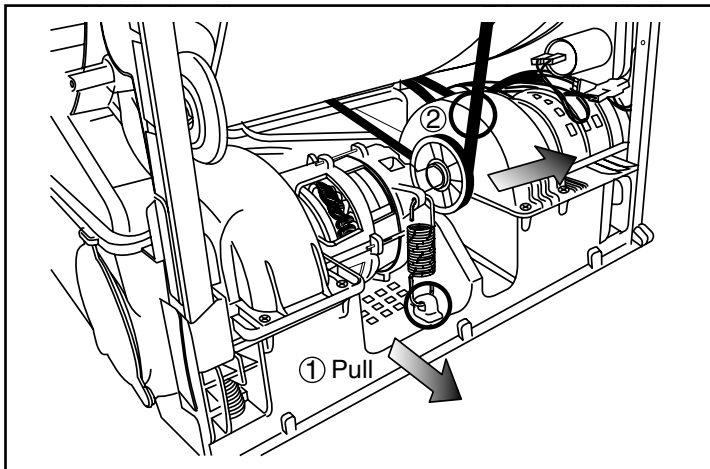
7-1. Disassemble the door by releasing the 2 screws.

7-2. Disassemble the door switch.

7-3. Disassemble the cabinet cover by releasing the 10 screws.

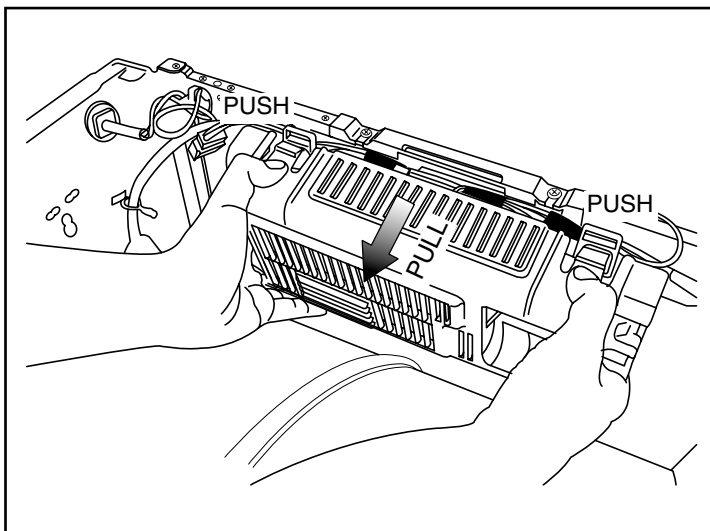
7-4. Disassemble the Door Switch.

7-5. Disassemble the cover, cabinet.



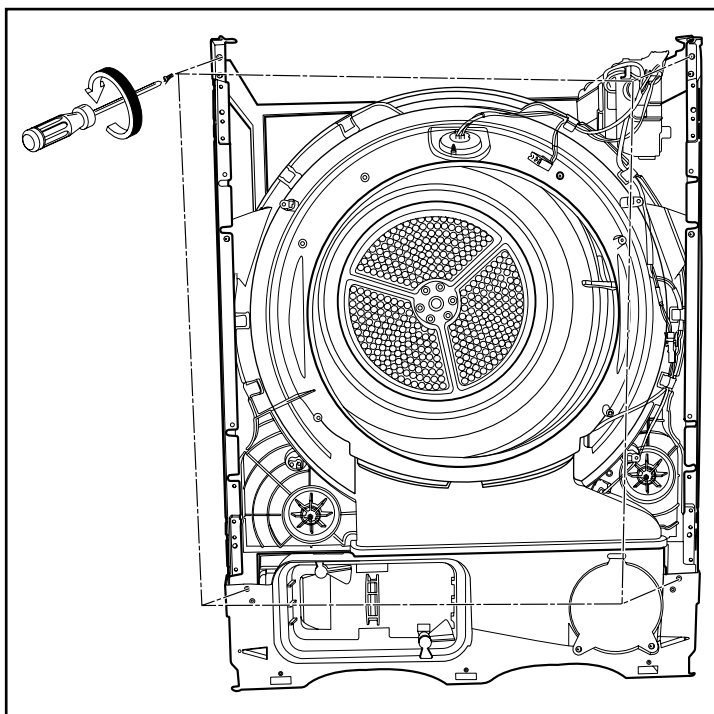
8-1. Disassemble the spring holder.

8-2. Releasing the belt on the pulley.

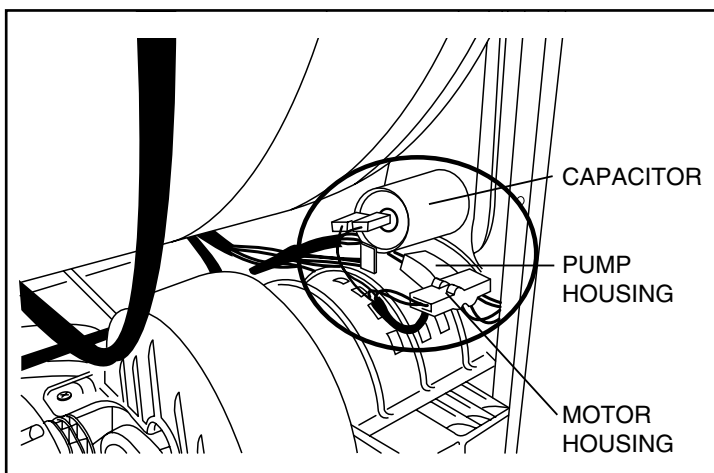


9-1. Disassemble the main PWB cover as pulling the hook.

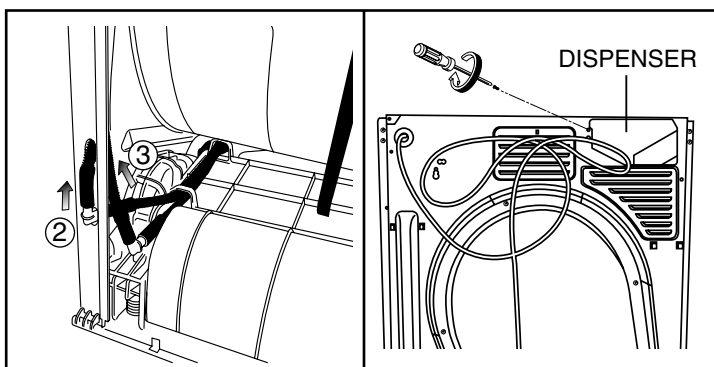
9-2. Pull out the harness from the housing.



10. Disassembling the side frame by releasing 4 screws



11. Disassemble the housing of motor, heater, pump and capacitor.



12-1. Disassemble the ① hose.

12-2. Disassemble the ② Holder from cover, rear.

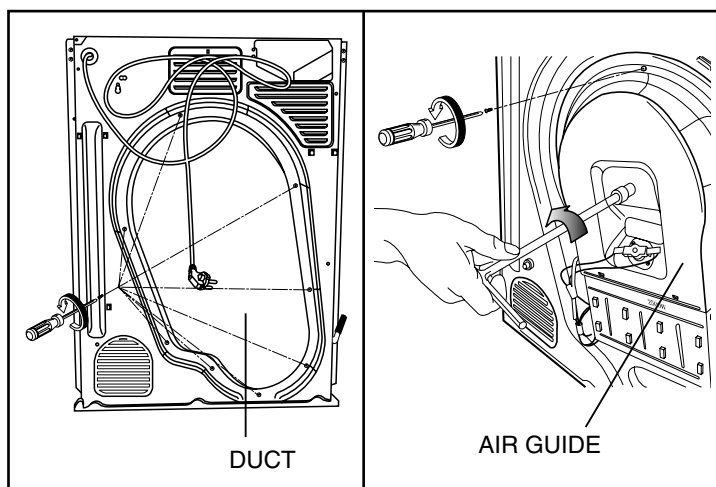
12-3. Disassemble the ③ hose.

12-4. Releasing the dispenser by unscrewing 1 screw.

### Note

If the hose is assembled unsuitable "empty water" error message will be indicated on the LED or LCD display.

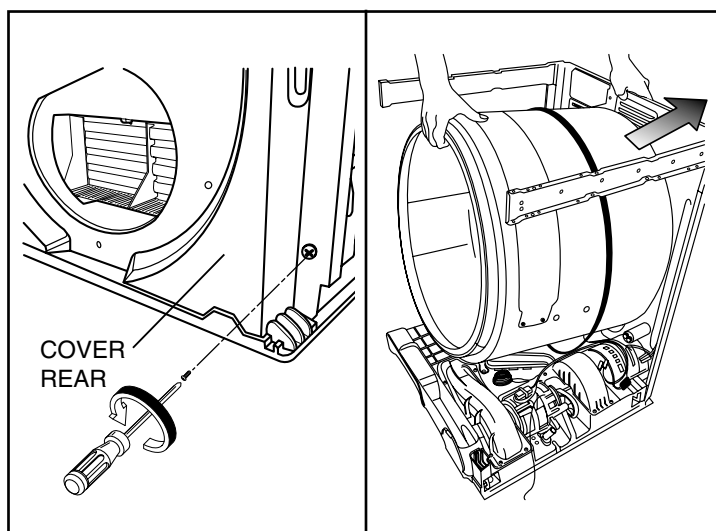




13-1. Disassemble the duct by releasing the 7 screws.

13-2. Release the durum nut using tool.

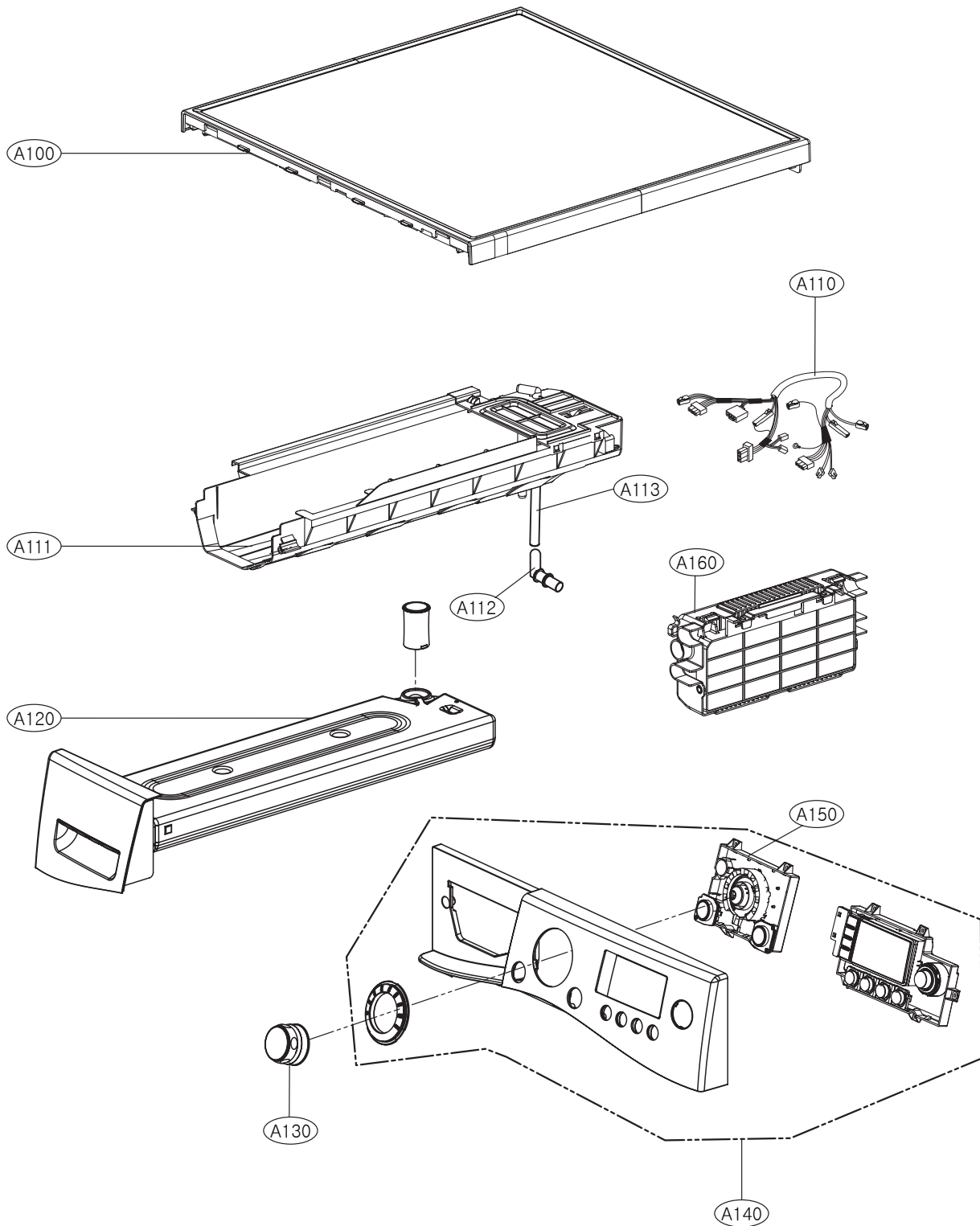
13-3. Disassemble the air guide by releasing the 1 screw.



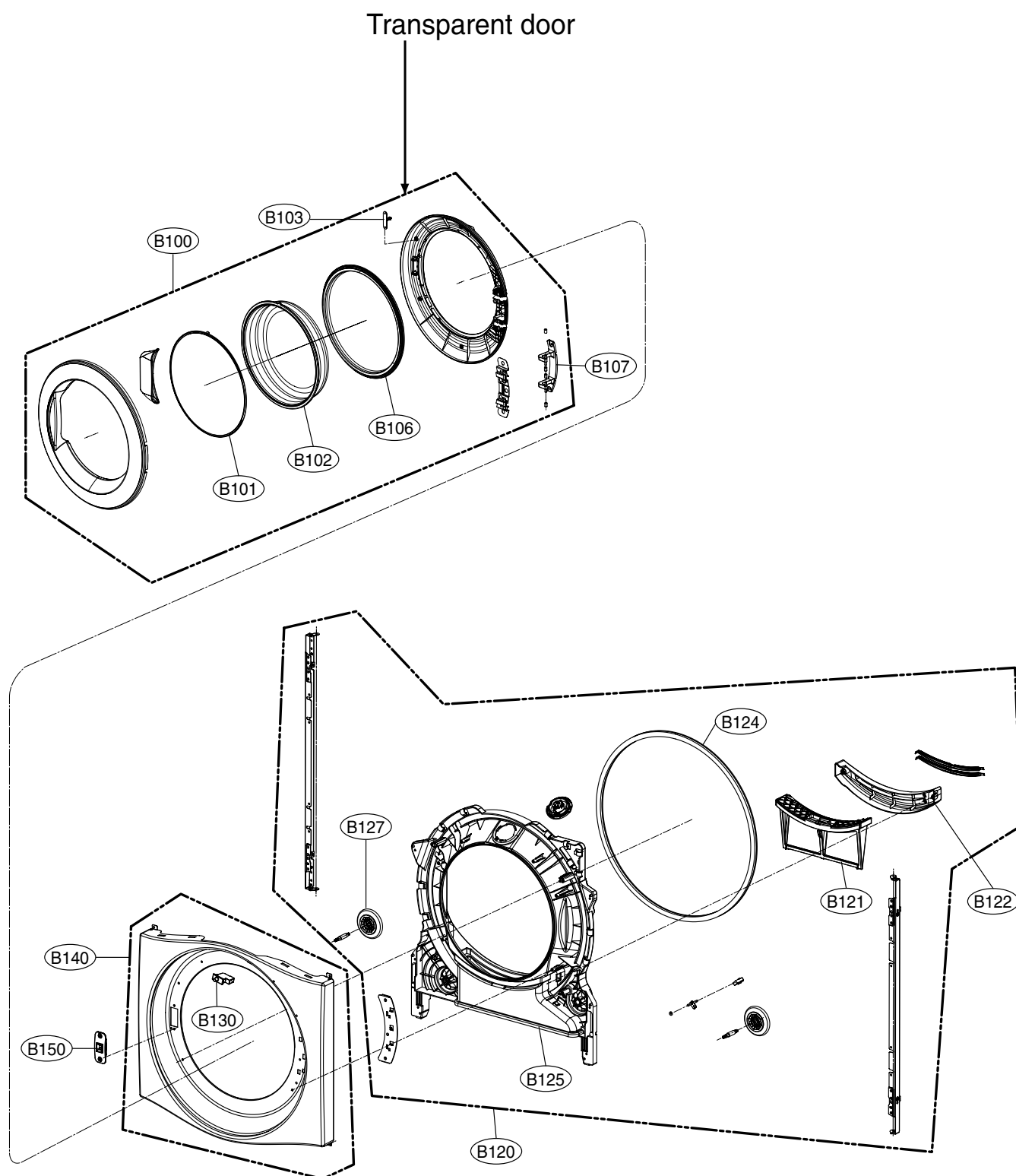
14-1. Disassemble the COVER REAR by releasing the 2 screws.

14-2. Disassemble the drum.

● Control Panel & Top plate Assembly



● Cabinet Cover & Door Assembly



## ● Base &amp; Motor Assembly

