

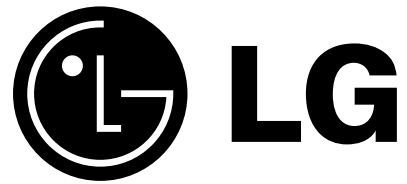


CONDENSING DRYER SERVICE MANUAL

CAUTION

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

MODEL : TD-C70070E



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.

CONTENTS

1. SPECIFICATIONS4

2. FEATURES AND LOOK5

3. PART IDENTIFICATION.....6

4. PROGRAM CYCLE.....7

5. INSTALLATION INSTRUCTIONS10

6. MAINTENANCE INSTRUCTIONS12

7. COMPONENT TESTING TIPS15

8. CONTROL LAY-OUT17

9. WIRING DIAGRAM.....18

10. TROUBLESHOOTING GUIDELINES19

11. DIAGOSTIC TEST23

12. DIASSEMBLE INSTRUCTIONS30

13. EXPLODED VIEW40

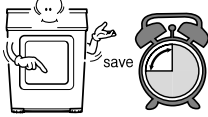
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SPECIFICATIONS

ITEMS	TD-C70070E	REMARK
MATERIAL & FINISHES		
DRYING TYPE	Condensation	
WEIGHT	45 kg (Gross : 50 kg)	
DIMENSION	595(W) x 850(H) x 600(D)	
STANDARD DRYING CAPACITY	4.1 cu.ft	
CONTROL TYPE	Electronic Control	
POWER SUPPLY	AC 220~240V, 60Hz (16A)	LGEUK:13A, LGEAP:10A
MOTOR	250W	
HEATER	2350W	LGEUK:2350W, LGEAP:1900W
LAMP	20W(125mA)	
DOOR SWITCH	250V(5A)	
THERMOSTAT	240V(25A)	
CONTROL TYPE	Electronic	
DRUM CAPACITY	116 Liter	
SAFETY DEVICES	Thermal Fuse (Motor)	
	Over current protect (Motor)	
	Thermostat	
SENSING TYPE	Micom electronic Control	
	1. Temperature : 2 thermistors	
	2. Humidity : Electrode Sensor	
FILTER	Removable (Double screen)	
DRUM SPEED	54~58 rpm	
REVERSIBLE DOOR	Available	
DRUM	Stainless steel	
DRYER RACK	Available	
CHILD LOCK	Available	
TEMPERTURE CONTROL	Available	High/Low Temp buttons
BUZZER OFF	Available	Default : On
ANTI-CREASE COURSE	Available	Dafault : OFF
TIME DELAY	Available	3~19 hours
DRUM INTERIOR LIGHT	Available	
LED DISPLAY	TIME DISPLAY RUNNING STATUS INDICATOR EMPTY WATER CLEAN FILTER CHILD LOCK TIME LEFT START/PAUSE	



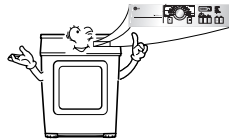
- **Ultra Big Capacity Drum**
The LG Dryer has a large capacity.



- **Reduced drying time**
Drying time is shortened by efficient air flow mechanism and optimized heater.



- **Innovative Noise Reduction**
Noise is reduced by optimized design of air flow system and vibration reduction technology.



- **Ease of Use**
Large LED display and electronic control.

What are Sensor Dry and Manual Dry?

Your dryer provides sensor drying and manual drying programs.

Sensor Dry Sensor Dry electronically senses laundry moisture level and it automatically determines operation time based on the dryness of the load and the selected program. At times, you can see sudden increase or decrease of operation time. It happens because a sensor will detect laundry humidity with a certain period. Sudden change of operation time is not a malfunction.

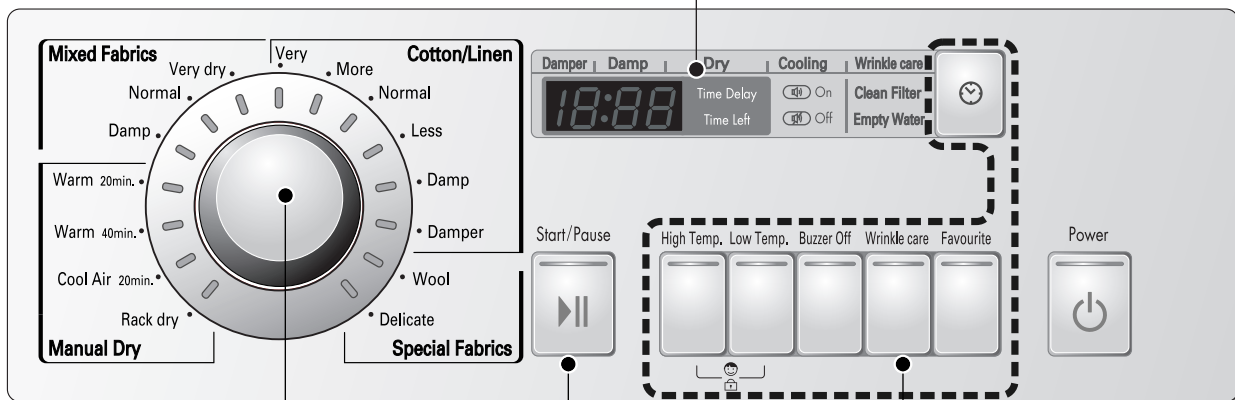
Manual Dry Manual Dry allows you to set operation time manually to complete drying. Or use Manual Dry if clothes are still damp after sensor dry cycle is finished. Manual Dry is more effective for heavyweight and bulky items such as king-size bed sheets and thick work clothes.

Control Panel

■ TD-C70070E/75E

LED Display

- Time Display
- Indicator lamps

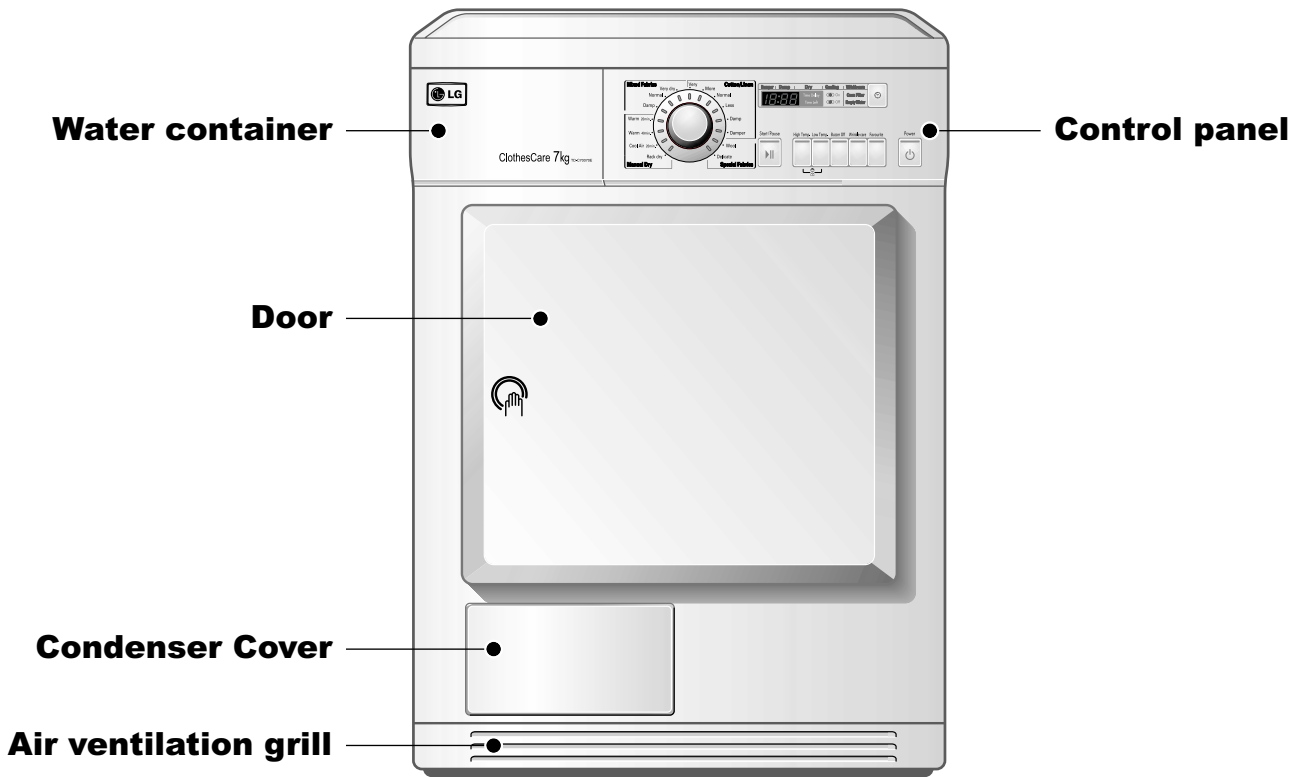


Program selector

Start/Pause

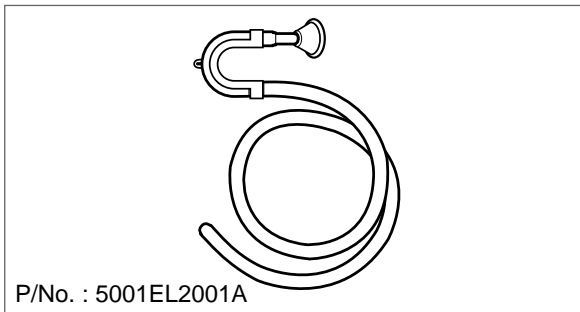
Additional function buttons

- High Temp. / Low Temp.
- Buzzer off
- Wrinkle care
- Favourite
- Time Delay

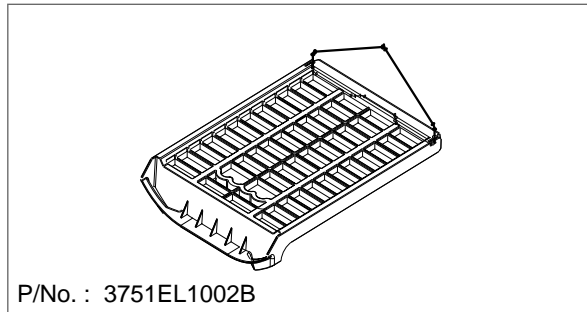


● **Accessory parts**

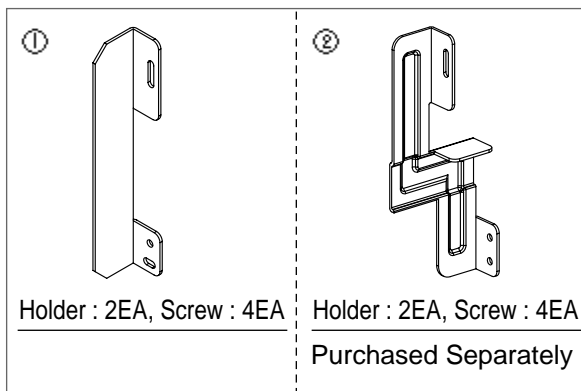
1. Drain Hose Assembly

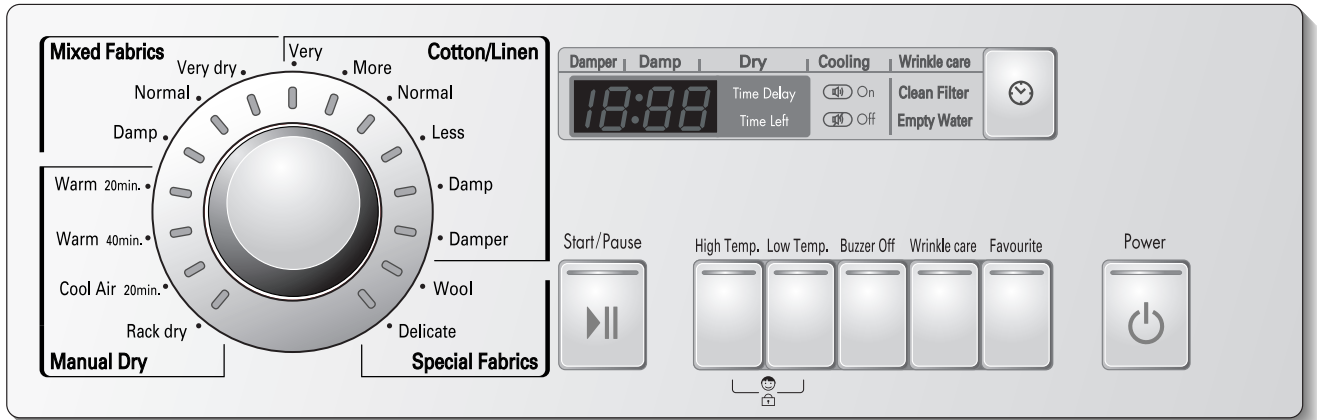


2. Dryer Rack Assembly(Purchased Separately)



3. Stacking kit Assembly





● High Temp. / Low Temp.

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

● Buzzer off

This is about buzzer sound on/off. After power is on and you select cycle, buzzer will sound when you press a certain button on the panel. If you don't like to hear that sound, just press button. The Buzzer is then turned -off.

● Wrinkle care

Wrinkle care 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 Wrinkle care process, this function is cancelled. But in case of door open during normal operation without selecting Wrinkle care, this function will be remembered and processed.

● 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.

● Time Delay

You can use the Time Delay function to delay the finishing time of drying cycle. Maximum Time Delay is 19 hours.

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

● Child Lock

For the safety of your children, press High Temp. and Low Temp. buttons at the same time for about 3 seconds. You can check this function by seeing the dryer display "L L" on LED window.

● Cycle Selection Table

Electronic Auto Dry Cycles		Standard Program
Mixed-Fabric cycles (Note) press the "Low Temp." button for heat-sensitive items		
Bed linen and table linen, tracksuits, anorak, blankets	For thick and quilted fabrics which do not need to be ironed.	Very
shirts, blouses and sportswear	For fabrics which do not need to be ironed.	Normal
Trousers, dressers, skirts, blouses	For fabrics which do need to be ironed.	Damp
Cotton/Linen (Whites and coloreds) (Note) press the "Low Temp." button for heat-sensitive items		
Towelling, dressing gowns and bed linen	For thick and quilted fabrics.	Very
Terry towelling, tea towels, towel, bed linen	For thick and quilted fabrics which do not need to be ironed.	More
Bath towels, tea towels, underwear, cotton socks	For fabrics which do not need to be ironed.	Normal
T-shirts, trousers, underwear, work clothes	For fabrics which do need to be ironed lightly, not completely.	Less
Bed linen, table linen, towels, T-shirts Polo shirts and work clothes	For fabrics which do need to be ironed.	Damp
Bed linen, table linen, towels	For fabrics which do need to be pressed.	Damper
Manual Dry Cycles for selected length of time		
Bath towels, bath robes, dishclothes, Quilted fabrics made of acrylic	Small clothes & pre-dried laundry Normal Normal fabrics using hot temperature for 20minutes	Warm (20min.)
	Small clothes & pre-dried laundry Normal fabrics using hot temperature 40minutes	Warm (40min.)
All fabrics needing freshening, tumbles without heat		Cool Air (20min.)
sweater, delicate, fabrics, sportshoes	For the fabrics you do not want tumble dry.	Rack dry
Special Fabrics		
Wool	For wool fabrics.	Wool
Silk, Women's thin clothes, lingerie	For fabrics which are heat-sensitive like synthetic fabrics.	Delicates

⚠ CAUTION

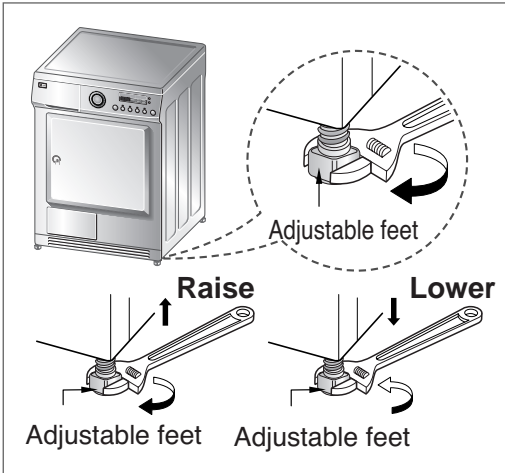
If the load is less than 1kg, please use "Manual Drying course"

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		HighTemp	LowTemp	Buzzer off	Wrinkle care	Left Time
Course	detail					
Cotton	Very	O	O	O	O	125
	More	O	O	O	O	120
	Normal	O	O	O	O	115
	Less	O	O	O	O	103
	Damp	O	O	O	O	97
	Damper	O	O	O	O	90
Mixed Fabric	Very	O	O	O	O	53
	Normal	O	O	O	O	48
	Damp	O	O	O	O	41
Timed Drying	Warm(20)	X	X	O	O	20
	Warm(40)	X	X	O	O	40
	Cool-Air(20)	X	X	O	O	20
	Rack Dry(40)	X	X	O	X	40
Special Fabric	Wool	X	X	O	O	69
	Delicate	X	X	O	O	45

● Level the dryer



1. Levelling 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 levelling 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 washing 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.

● GROUNDING INSTRUCTION

This appliance must be grounded. In the event of malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for the electric current.

This appliance is equipped with a cord having an equipment grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

⚠ WARNING

Improper connection of the equipment grounding conductor can result in a risk of electric shock. Check with a qualified electrician or a service person if you are in doubt as to whether the dryer is properly grounded.

● Additional Grounding Procedure

Some local codes may require a separate ground. In such cases, the required accessory ground wire, clamp and screw must be purchased separately.

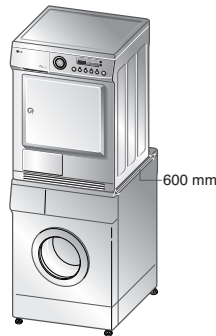
Stacking Kit

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.

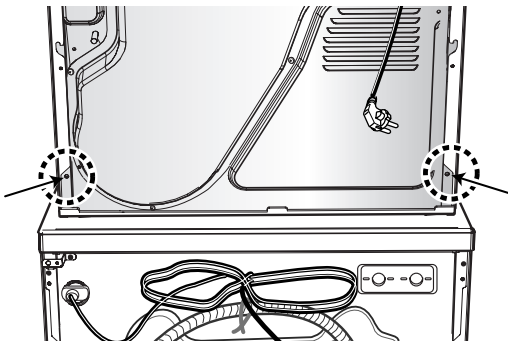
1. Place the LG dryer on the LG Washing machine.

⚠ WARNING

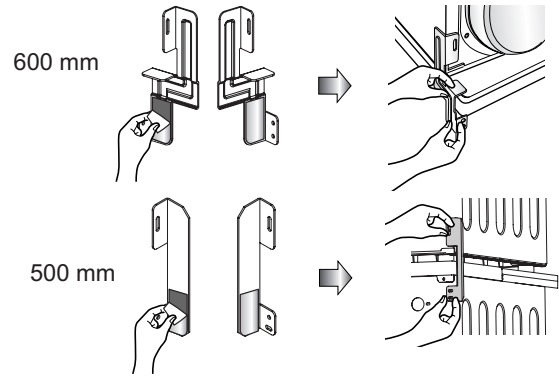
When Placing the dryer, pull power cord out of a power source. Don't drop the dryer.



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

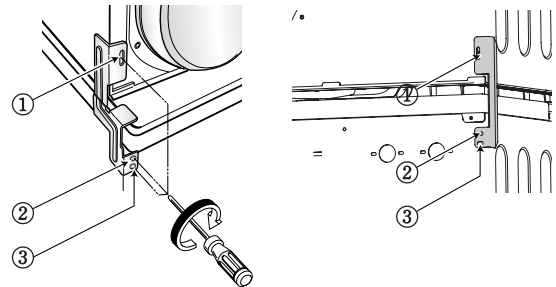


3. After detaching protection sheet of double-side tape, align stacking kit holes rear cover holes and then attach tape to the washer by pressing hard.



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.

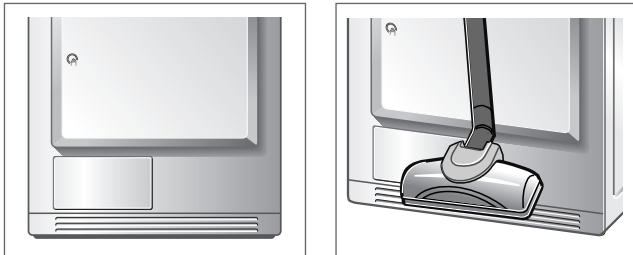


Condensate Drain

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 lint or dirt which cause improper intake air flow.



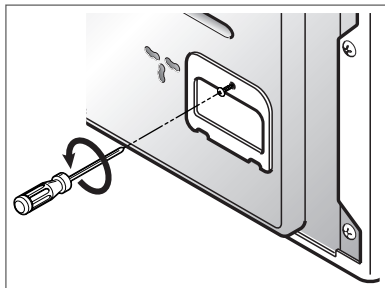
● Condensed water Drain-out

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.

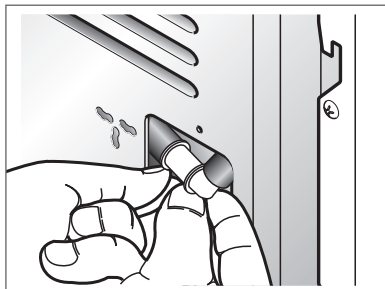
With connecting kit for drain hose, you can simply change water path and water reroute to the drainage facility.

Please follow the below steps.

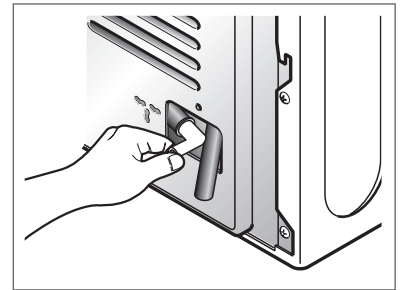
1. Unscrew cover.



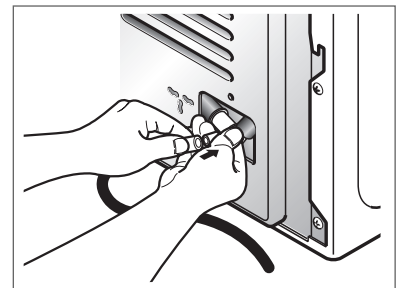
2. Take connecting kit out.



3. Separate water container hose from the kit.

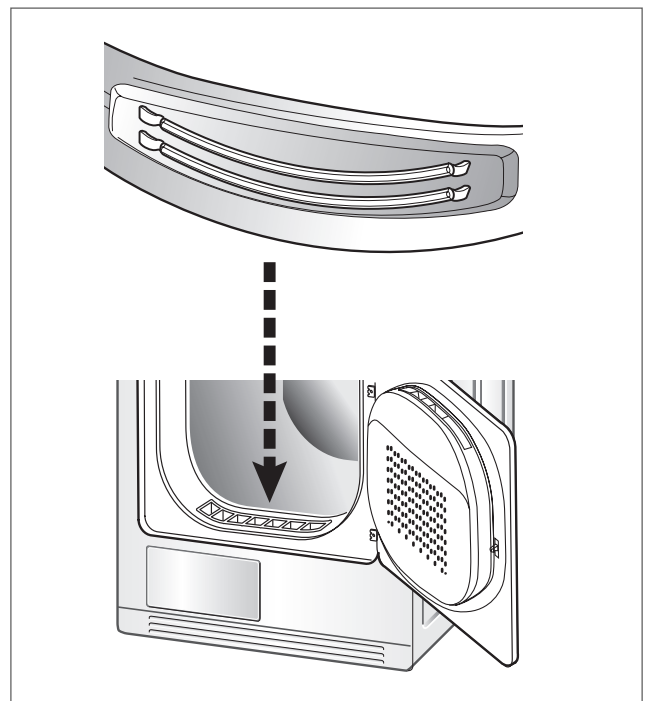


4. Connect drain hose to the kit.



● 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).



Reverse the door

The door can be reversed to fit to your own installation conditions. From the factory, the door hinge is located on the right side.

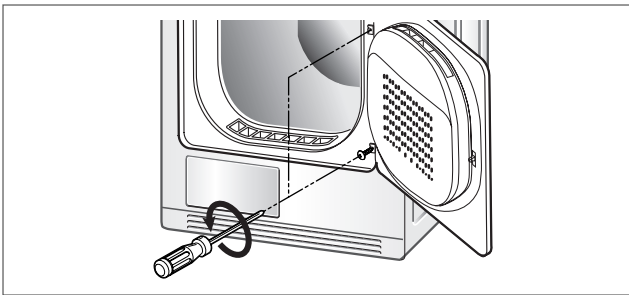
CAUTION

1. This work may cause the injury of your hands so you must be careful to handle some sharp devices like tork screwdriver or slotted screwdriver.

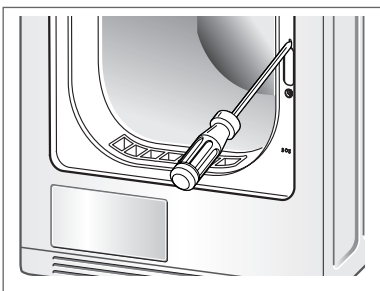
2. When the door is reversed, the hand sticker on the door also must be replaced.

Do not use a machine screwdriver.

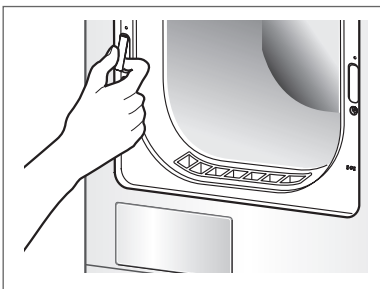
1. Unscrew the bottom hinge of the door first and top hinge. And then place on the blanket to prevent scratches.



2. Remove the door lock cover.



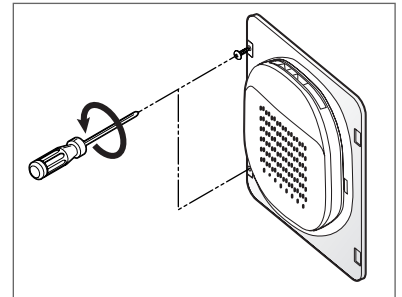
3. Remove the door lock and replace where door lock cover is located.



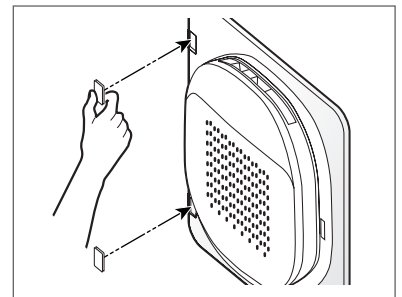
4. Detach both hinge point covers.



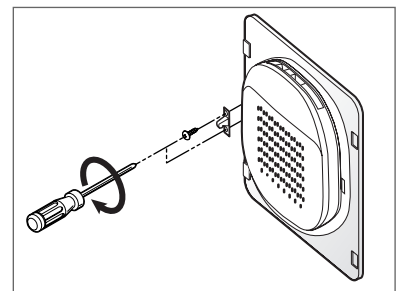
5. Unscrew two door hinges.



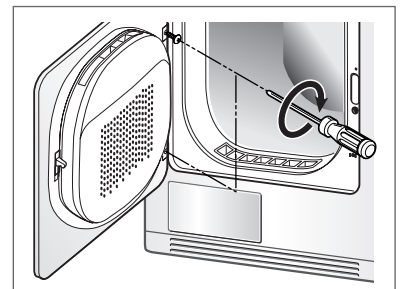
6. Replace both hinge point covers where door hinge is located.



7. Replace the door catch to the reverse location.



8. Screw the door hinges.



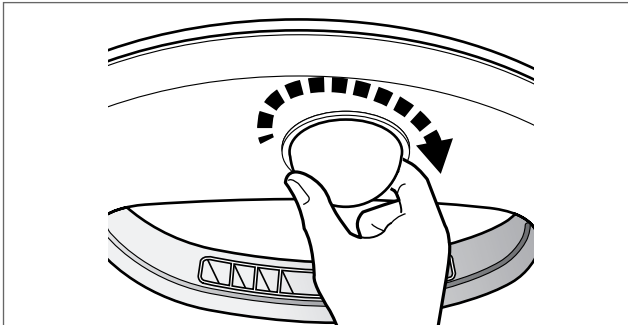
● Change the Bulb

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.

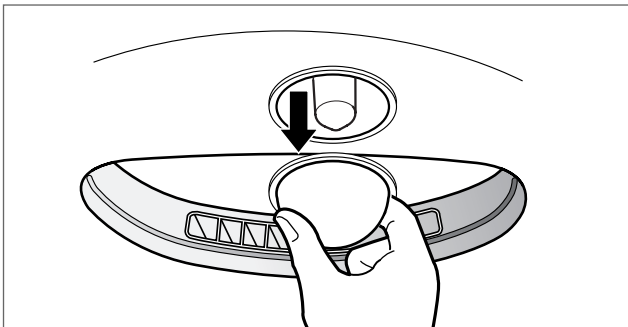
1. Open the door, put a hand into the drum and grasp a bulb cover.



2. With the bulb cover held by a hand, turn it to the clockwise with a certain amount of the force.



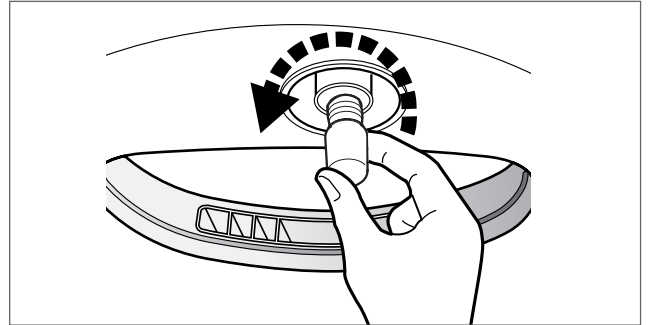
3. Separate the bulb cover from the socket housing.



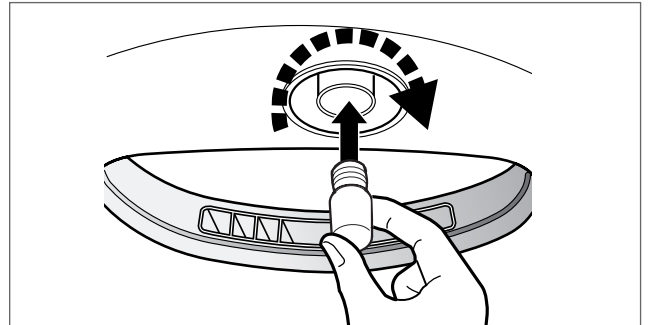
⚠ CAUTION

Power cord must be unplugged before this work to avoid danger of electric shock.

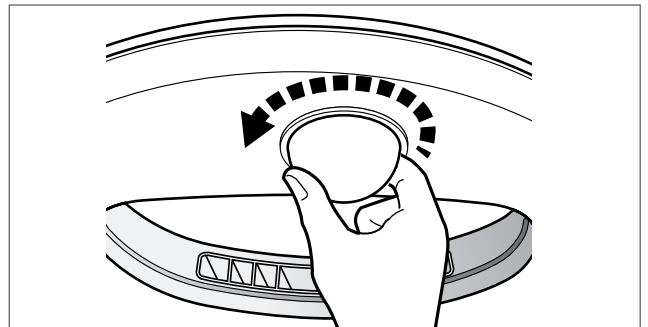
4. Remove the current bulb turning it to counter clockwise direction.
Be careful that it does not fall off.



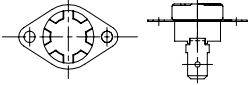

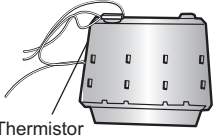
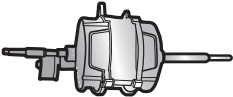
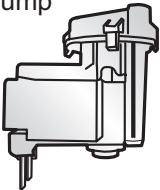
5. Screw in the new bulb in the reverse unscrewing direction.

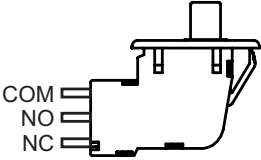
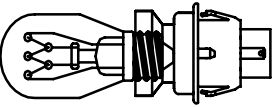


6. With the bulb cover held by a hand, turn it to the counterclockwise with a certain amount of the force, until you listen to "click sound"



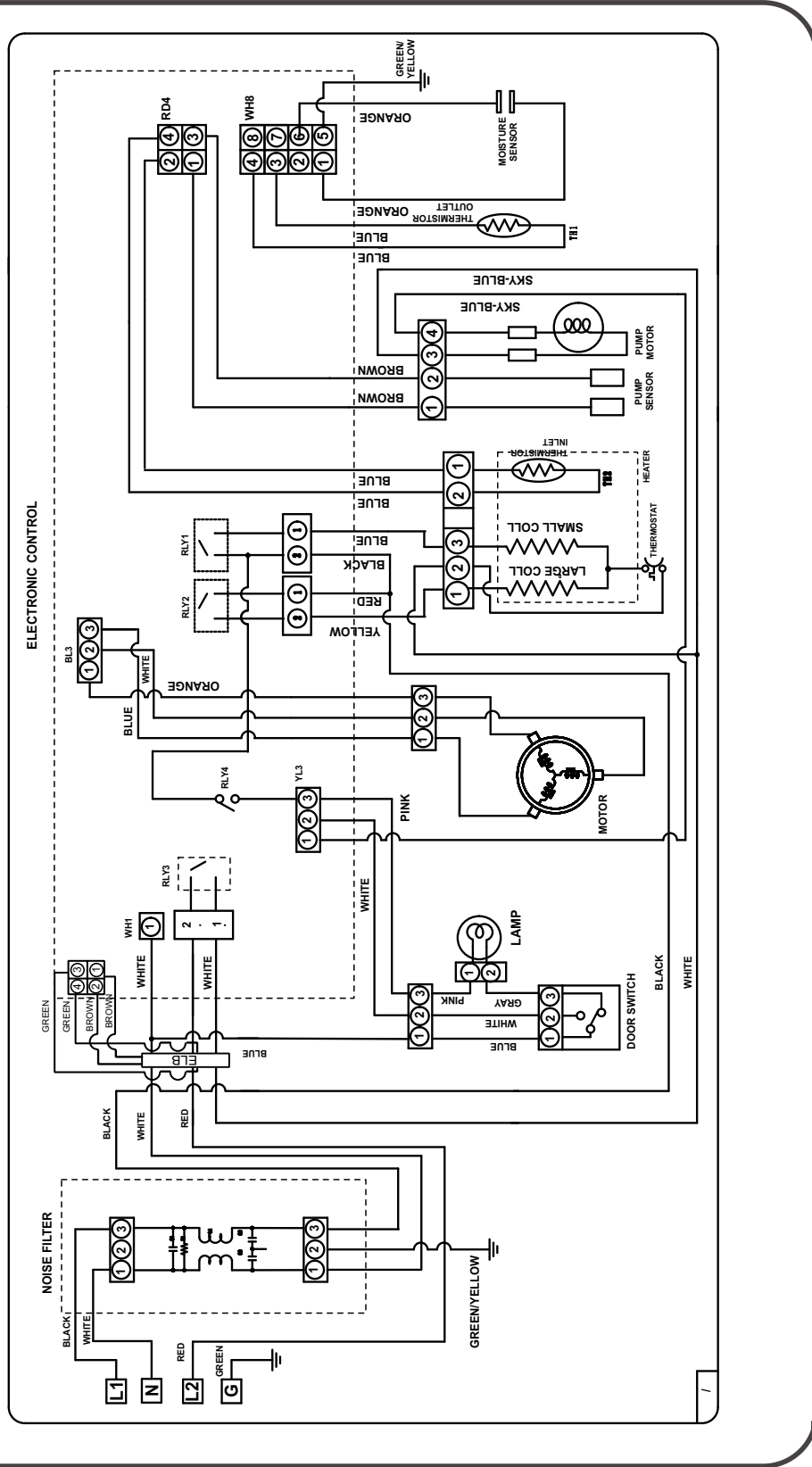
**Do not need any special tool for this work.
All steps can be done manually.**

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 ∞ Resistance value $< 5\Omega$	Safety Thermostat
2. Thermistor (Low temperature) 	Measure resistance of terminal to terminal	Resistance value : $10K\Omega \pm 5\%$ (at 25°C)	Cover, Front
3. Heater, Thermistor 	Measure resistance of Terminal to terminal	Resistance value : Yellow/White : $28.96 \pm 1\Omega$ Blue/White : $56.29 \pm 2\Omega$	
	Measure resistance of thermistor to terminal	Resistance value : $200K\Omega \pm 5\%$ (at 25°C)	Heater
4. Motor 	Measure resistance of Terminal to terminal	Resistance value : White/Blue : $24.8 \pm 2.5\Omega$ Blue/Red : $21.5 \pm 2.0\Omega$	
6. Pump 	Measure resistance of Terminal to terminal	Resistance value : $205 \pm 10\Omega$	

Component	Test procedure	Check result	Remark
<p>7. Door S/W</p> 	<p>Measure resistance of the Following terminal</p> <p>1) Door switch knob : open</p> <p>① Terminal : "COM"- "NC" (1-3)</p> <p>② Terminal : "COM"- "NO" (1-2)</p> <p>2) Door switch push : Push</p> <p>① Terminal : "COM"- "NC" (1-3)</p> <p>② Terminal : "COM"- "NO" (1-2)</p>	<p>① Resistance value < 1Ω</p> <p>② Resistance value ÷ ∞</p> <p>① Resistance value ÷ ∞</p> <p>② Resistance value < 1Ω</p>	<p>The state that knob is Pressed is opposite to open condition</p>
<p>8. Lamp holder</p> 	<p>Measure resistance of terminal to terminal</p>	<p>Resistance value : 80Ω~100Ω AC 230V, 20W</p>	

ELECTRIC DRYER WIRING DIAGRAM

VIKING(D)_EUS



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

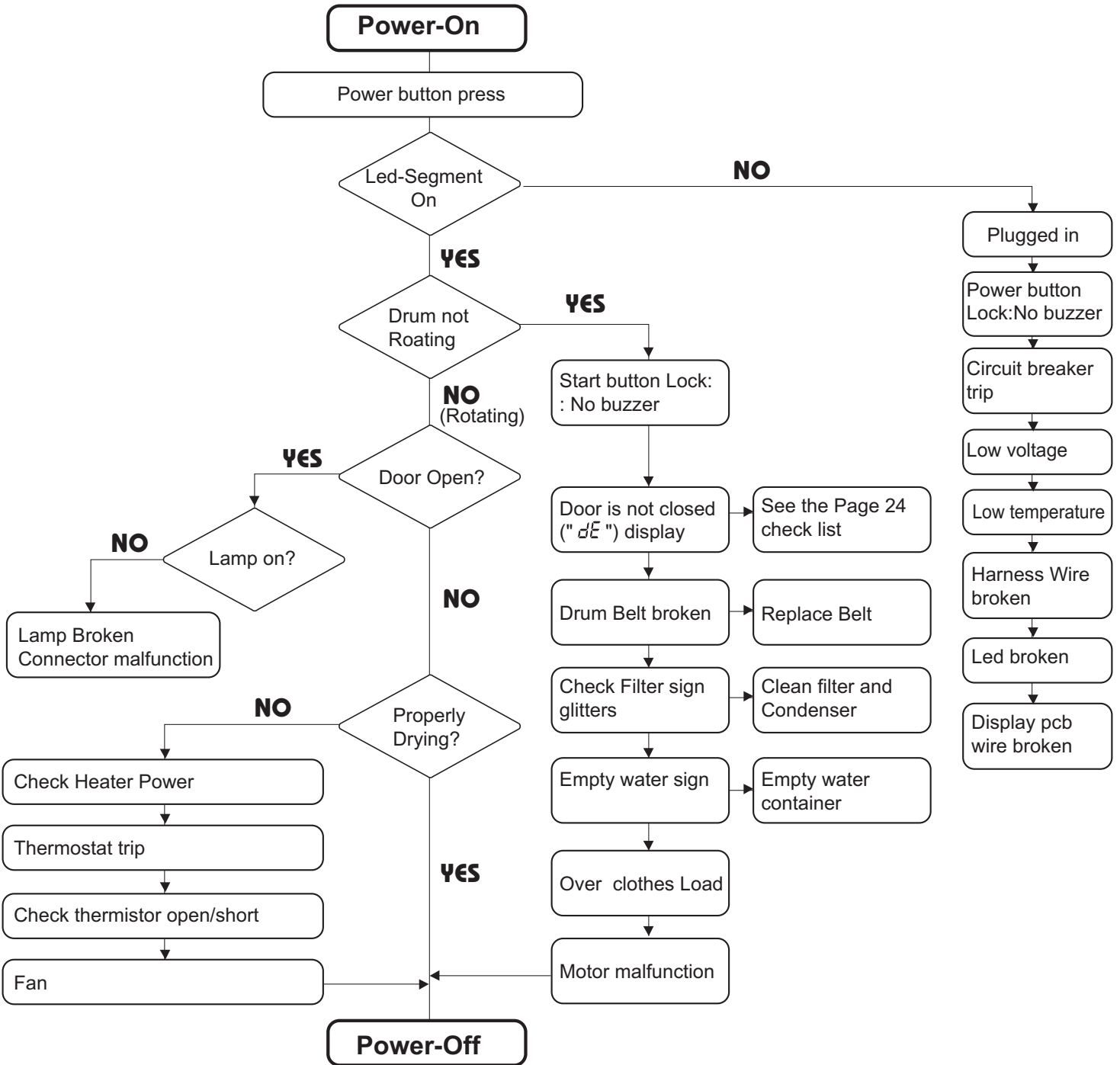
1. Unit must be in Standby (unit plugged in, display off)
2. Press "POWER" while pressing "Buzzer off" and "Wrinkle care" simultaneously.

No. of Button pressing	Checkpoints	Display
None	<ul style="list-style-type: none"> • Check LED lamps 	
1 time	<ul style="list-style-type: none"> • Motor run clockwise • Humidity data 	Moisture Pulse count(normal:1 ~ Increase)
2 times	<ul style="list-style-type: none"> • Motor run clockwise • Humidity data 	Moisture Pulse Width time(100ms) (normal:1 ~ Increase)
3 times	<ul style="list-style-type: none"> • Motor run clockwise • Heat 1750W On 	Temp sensed by low temp thermistor(located under door)
4 times	<ul style="list-style-type: none"> • Motor run clockwise • Heat 1750W on, Heat 750W On 	Temp sensed by High temp thermistor(located in base)
5 times	<ul style="list-style-type: none"> • Motor On 	
6 times	<ul style="list-style-type: none"> • Motor run counterclock wise 	
7 times	<ul style="list-style-type: none"> • End 	

Data Display

- Tested under normal operation mode.
- Press the 「Low Temp.」 and 「Time Down」 button as follows.

No. of Button pressing	Display
1 time	None
2 times	Temp sensed by low temp thermistor (located under door)
3 times	Temp sensed by High temp thermistor (located in base)



Test 1 : ELECTRIC SUPPLY & 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.

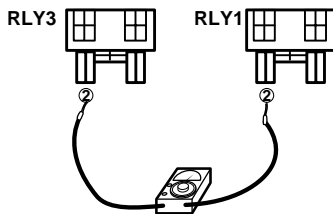


Power voltage is within standard range (AC 215V~245V)?

NO

- Check the - Circuit breaker

YES

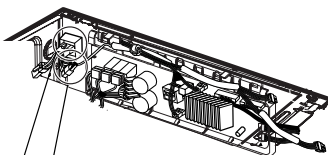


- Check after pulling Black(RLY1), Blue(RLY3) 2 pin connector out from controller.
- Check the range of two pin ②(Red)~ ②(Black) is within AC 215~245V?

YES

- Check or replace the controller

NO

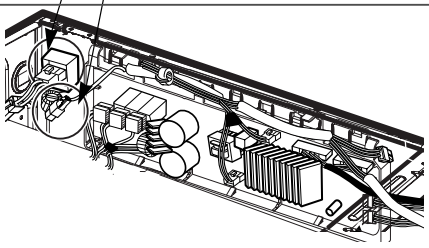


- Check connection of power cord and harness assembly.
- Check White 1pin(Red wire), White 2pin(Black & white wires) of connector and secure that range is between AC 215~245V?

NO

- Check or replace the power cord

YES



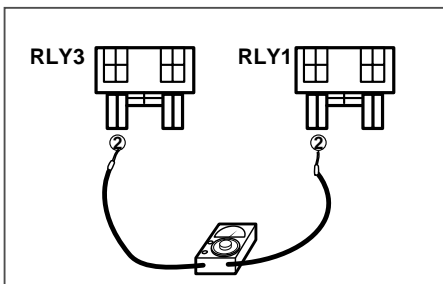
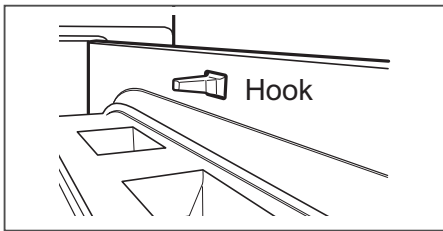
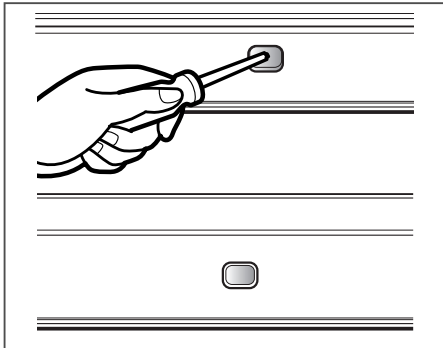
Check the short of harness assembly and the connection(WH1)

※ In the case that the dryer is not working, when controller is powered and display button is properly working, Check RLY1, RLY2, RLY3, WH1 in the controller.

Test 2 DOOR SWITCH / LAMP CHECK

Trouble Symptom : Malfunction of lamp operation and door switch
 No operation of pump motor
 Displays "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 x page

YES

When door is closed, lamp turns off?
 When "Start" button is on, 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 RLY1② ~ RLY3② 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 x 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.

• With door closed, check voltage of connector RLY1② ~ RLY3② which are pulled out from controller in advance. The voltage range is between AC 215~245V?

NO

• Check Harness

YES

• Check and replace controller

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.

YES

NO

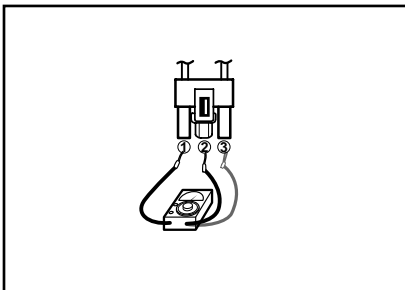
- Check the harness connection.
 - Motor part : Blue 3 pin housing.
 - Controller part : Blue 3 pin housing (Orange and Blue wire).
- Check the belt (position / broken).
- Check the Controller
 - TR1 , TR2 Broken ?
- Check the slide (3 ea).

- During operation, motor noise is occurred ?

NO

YES

- Check belt is burst.
- Check structural restriction. (Motor supporter / Air guide Blower)



- With BL3 being unplugged from Controller,
- BL3 - BL3 resistance
 - BL3 - BL3 resistance
 - BL3 - BL3 resistance measurement ranges 10 ~20 ?

YES

NO

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

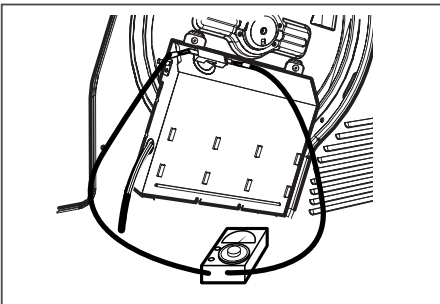
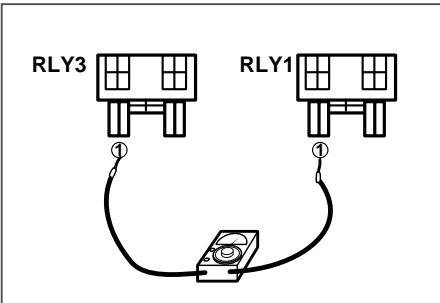
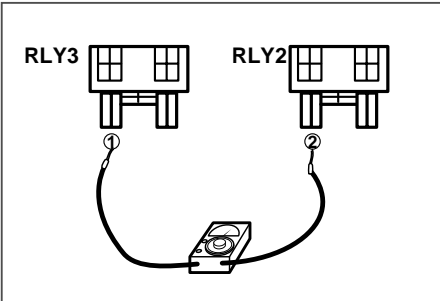
- Check controller

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 RLY1, RLY2, RLY3 disconnected from Controller,
 • RLY2 ②(Yellow) - RLY3 ① (Blue) resistance ranges $26\Omega \sim 32\Omega$?
 • RLY1 ①(Blue) - RLY3 ① (white) resistance ranges $53\Omega \sim 59\Omega$?

YES

- Check and replace controller.
- Relay RLY2, RLY3
- See page 15, PCB assembly lay-out.

NO

When check thermostat to Heater, it is less than 1Ω ?

YES

- Replace Heater
- Check Harness connection

NO

Check or replace Controller Assembly
 Replace Harness and connector

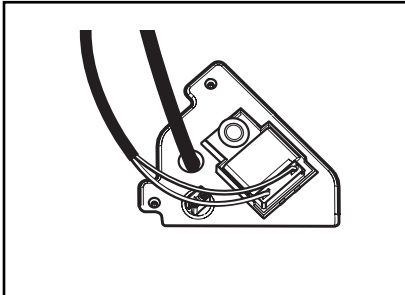
Heater On/Off occurs frequently

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.

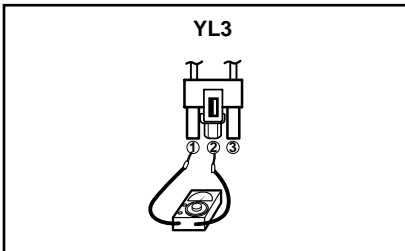
Measurement condition : Power cord is unplugged.
Check the hose blocked with foreign body or twist.



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



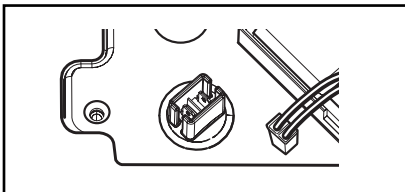
- Disassemble Pump
- Check foreign objects
- Check impeller restriction
- Check connection hose clogged



(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

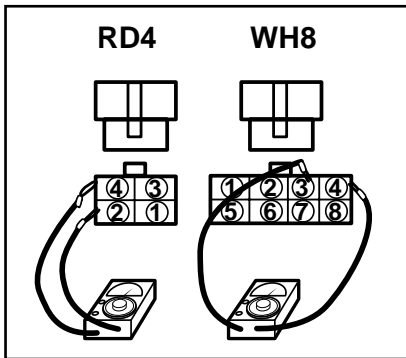


- Check Pump sensor
- Check and replace Controller - TR3

Test 6 Thermistor check

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

Measurement condition : Power cord is unplugged.



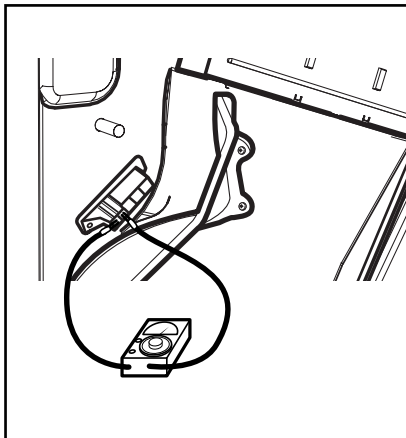
With RED 4 , WHITE 8 disconnected from Controller, check

- 1) High temperature thermistor (Wire color : Blue) White 8 pin ③ - White 8 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

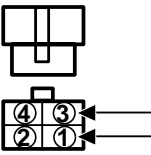
Dryer Temperature	Resistance		Dryer Temperature	Resistance		Remark
	TH-Heater	TH-Drum		TH1	TH2	
10°C ↓		19~111kΩ	40~50°C	113~75kΩ	5~4kΩ	
20~30°C	250~180kΩ	11~8kΩ	50~60°C	75~50kΩ	4~2.5kΩ	
30~40°C	180~113kΩ	8~5kΩ	60°C ↑	50kΩ ↓	2.5kΩ ↓	

Test 6 Moisture sensor check

Trouble Symptom : Drying Failure

Measurement condition : Power cord is unplugged.

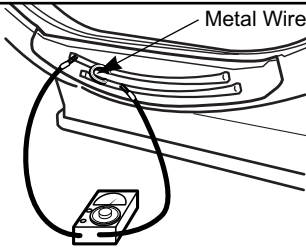
RD4



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



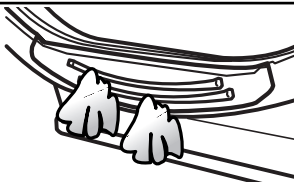
- Check Harness
- Check if Sensor tips have foreign objects - Refer to the left picture



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



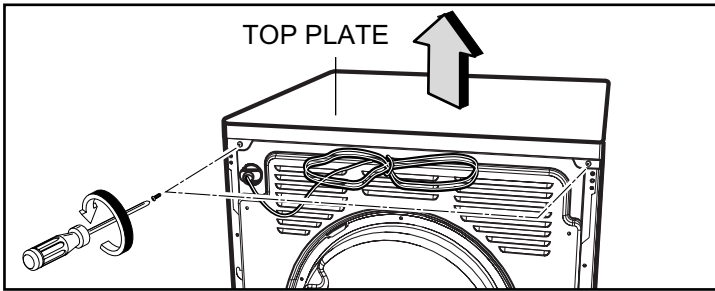
- Check Harness - Open, Connector is disconnected



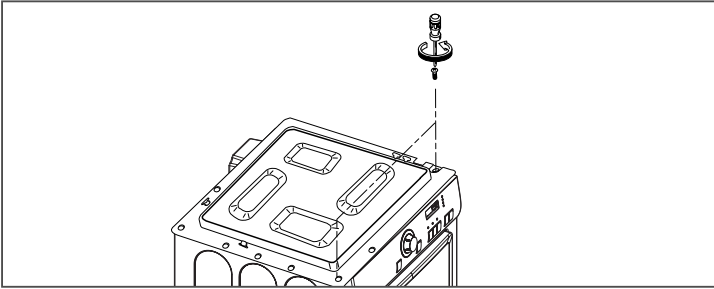
After damp clothes touch Sensor tips, the range are within the below table when QA-test?



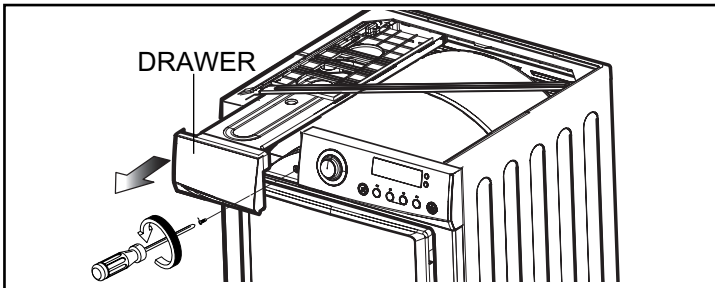
- Check and replace Controller



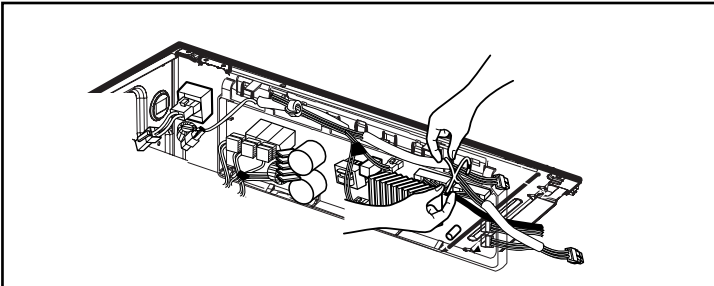
1. Disassemble top plate by unscrewing 2 screws on the rear of the dryer.



2. Disassemble Safety Cover by unscrewing 2 screws on the top of the dryer.



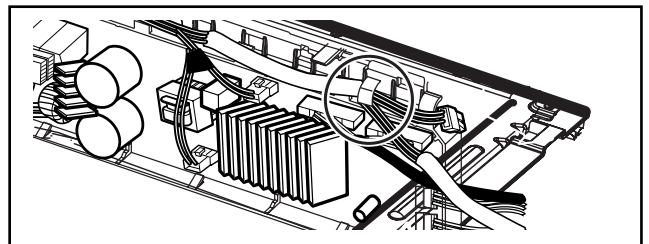
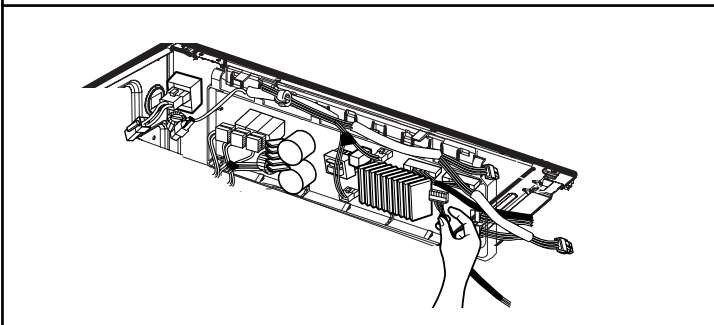
3. After pulling drawer assembly out, unscrew 1 screw.

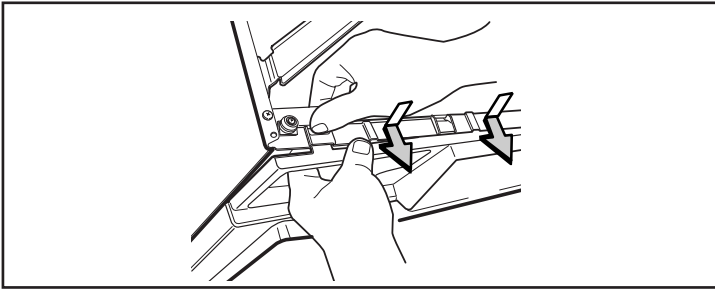


4. Untie Keeping wire and then connector (2ea) disassemble from MAIN PCB

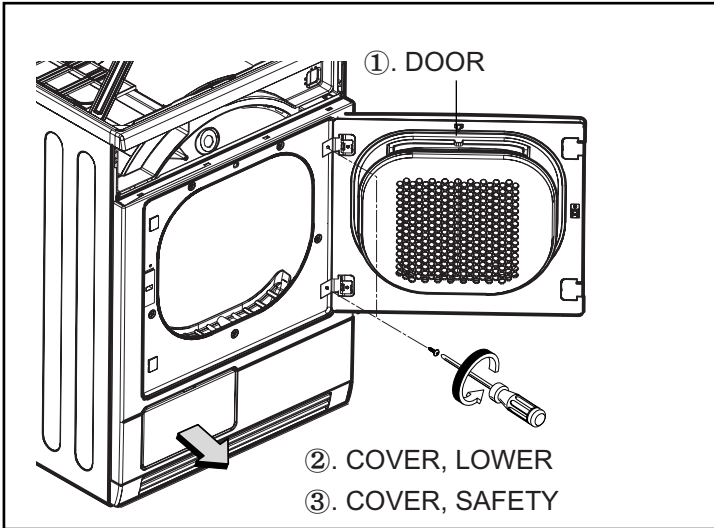
Note

1. Assemble wires at the HOOK surely when you reassemble.

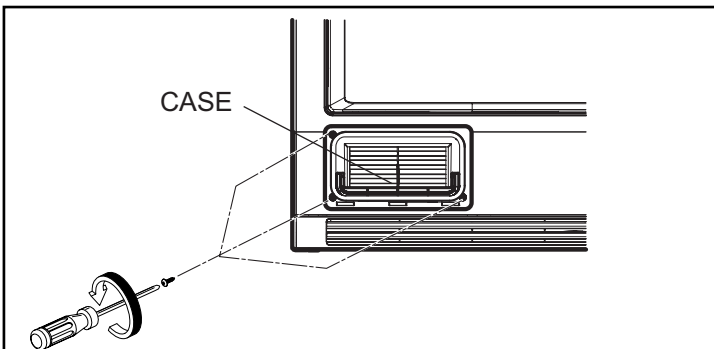




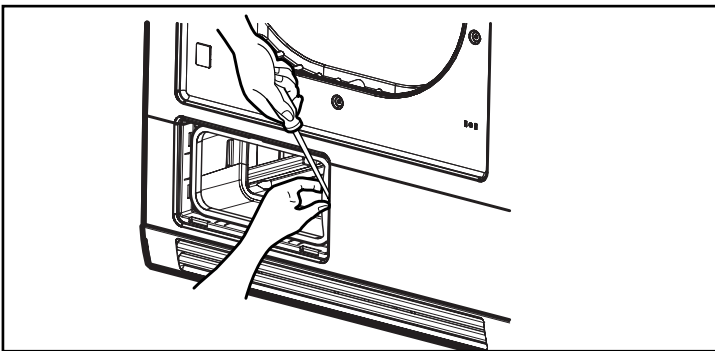
1. After releasing 4 hooks of control panel assembly, separate connectors from PWB assembly for disassembling control panel assembly.



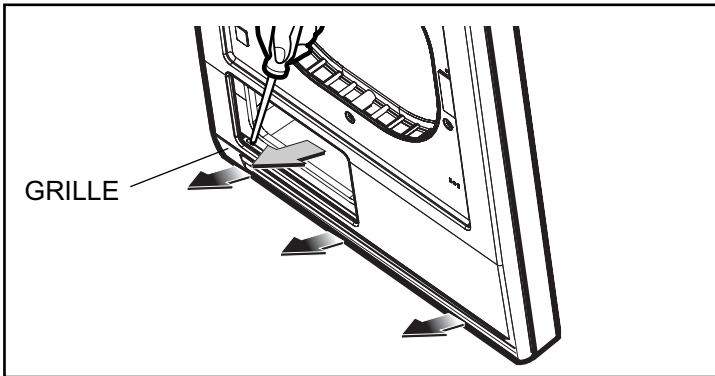
- 2-1. Disassemble door assembly by unscrewing 2 screws.
- 2-2. Disassemble lower cover by releasing hook.
- 2-3. After releasing 2 levers, disassemble safety cover.



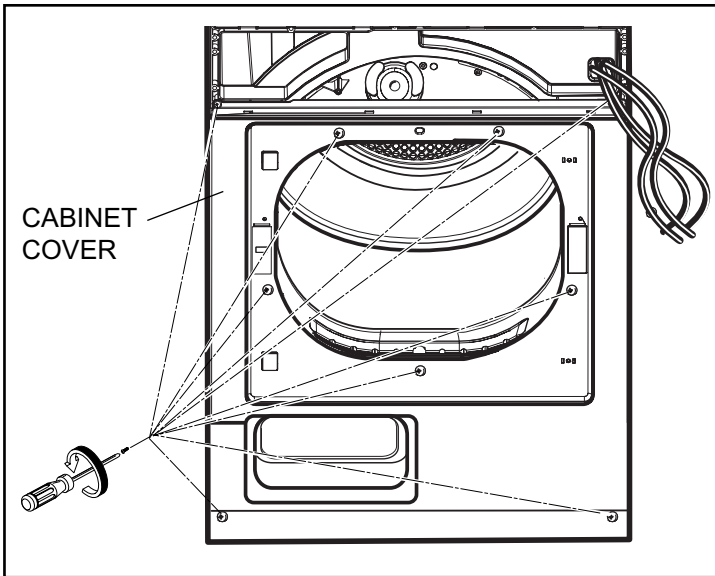
3. Disassemble 3 screws.



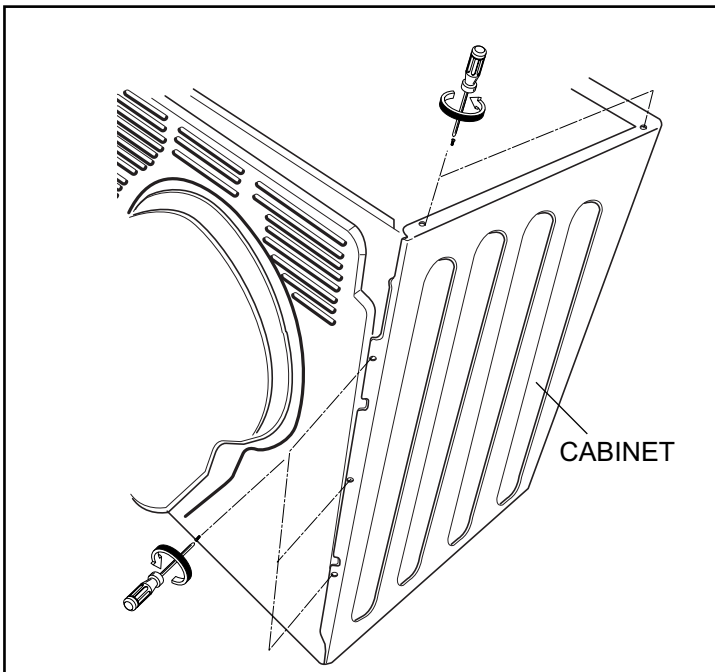
4. Disassemble the case with a Philips driver by releasing hook.



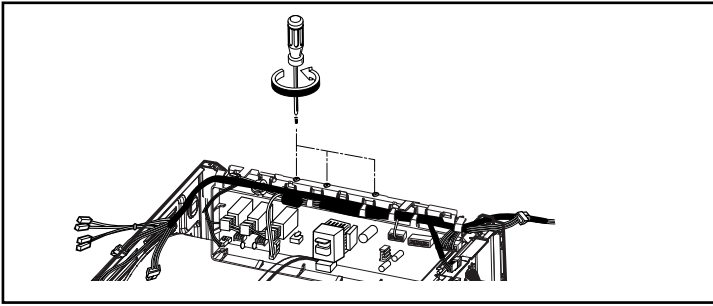
1. Disassemble grille by releasing 3 hooks.



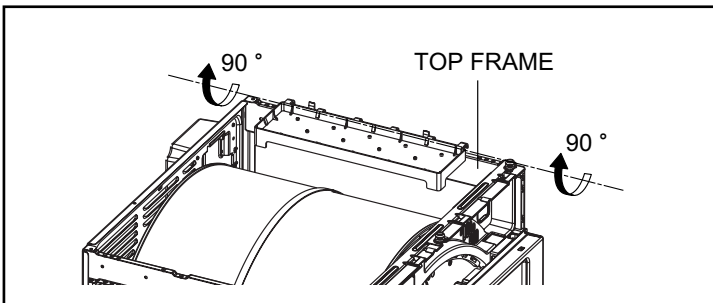
2. Disassemble cabinet cover by releasing 9 screws.



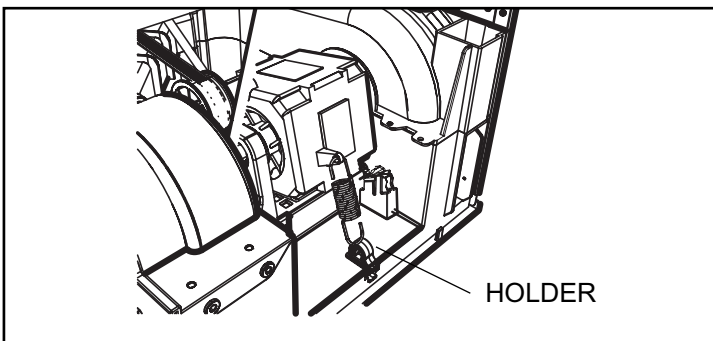
3. Disassemble cabinet by unscrewing 2 at the top and 3 at the rear (left and right are the same)



1. Disassemble Harness by unscrewing 2 Earth screws and disassemble connectors.

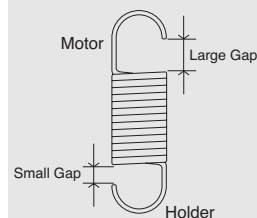


2. Disassemble Main PWB from TOP FRAME by rotating after unscrewing 2 screws.

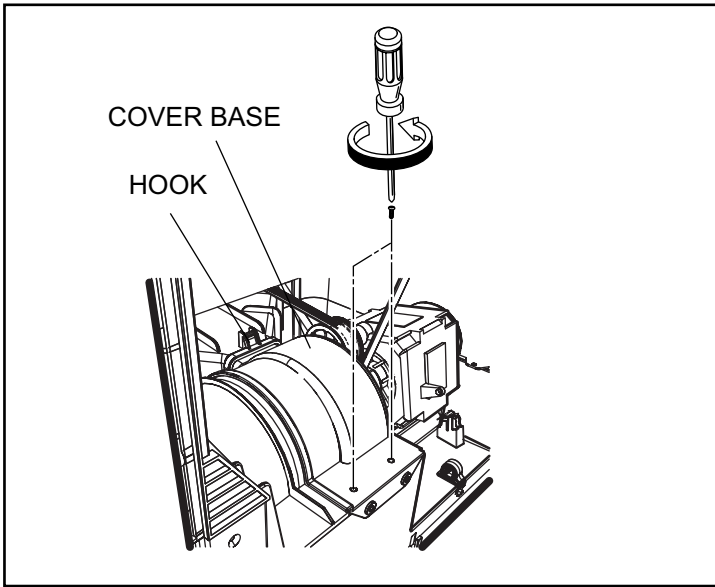


3. Disassemble Holder and Spring by pressing down and pulling the low hook of holder.

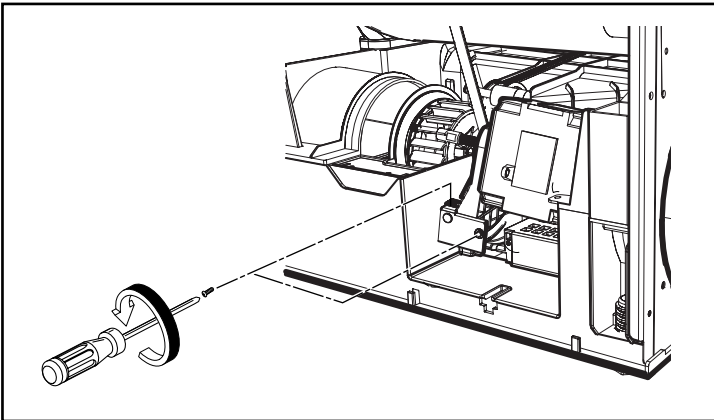
Note



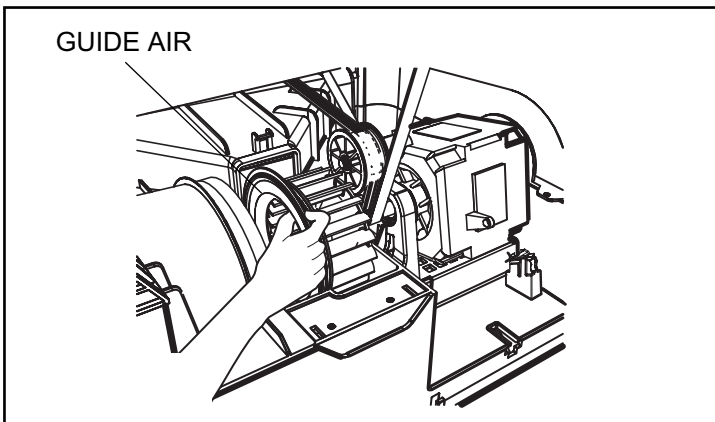
Be careful of the direction of Spring hanger during assemble to prevent possible noise.



1. Disassemble Blower cover by unscrewing 2 screws.
(Note : Make sure that hook is properly fit after assembling Cover Base
Wrong assembly will cause abnormal noise.)



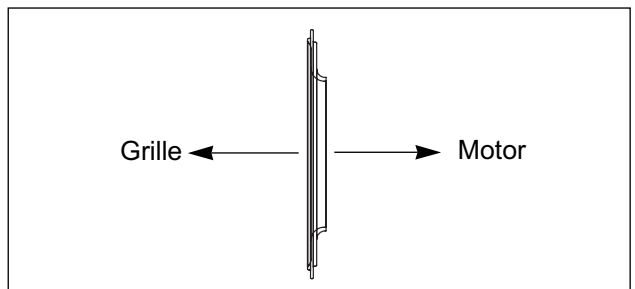
2. Disassemble Motor Supporter from Base by rotating after unscrewing 2 screws.

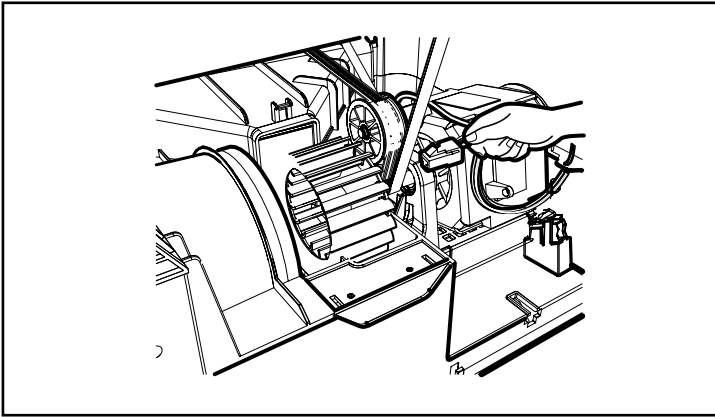


3. Disassemble Air Guide.

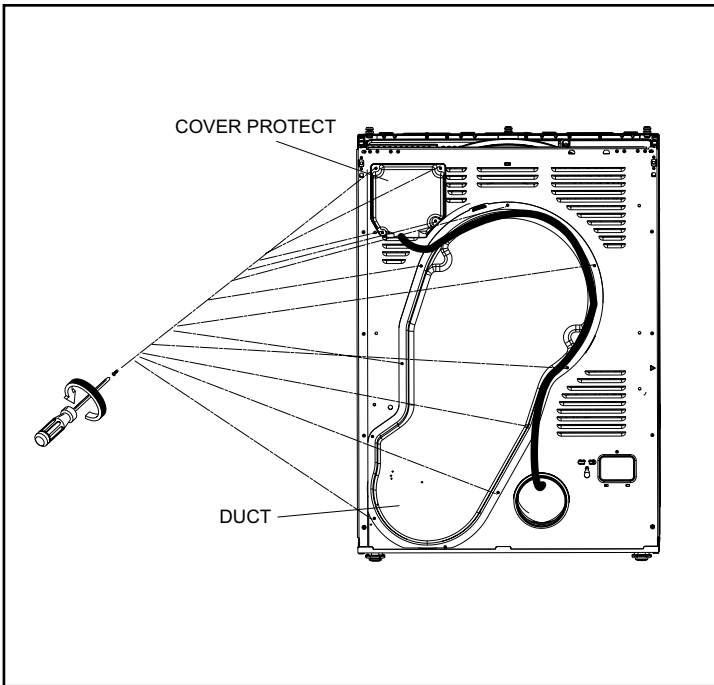
Note !

Assembly direction of Air Guide should be same as belows.
Wrong assembly will cause abnormal noise.





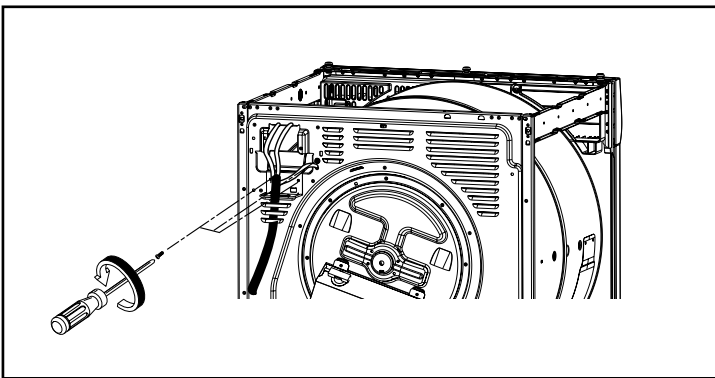
1. Disassemble Harness of Motor



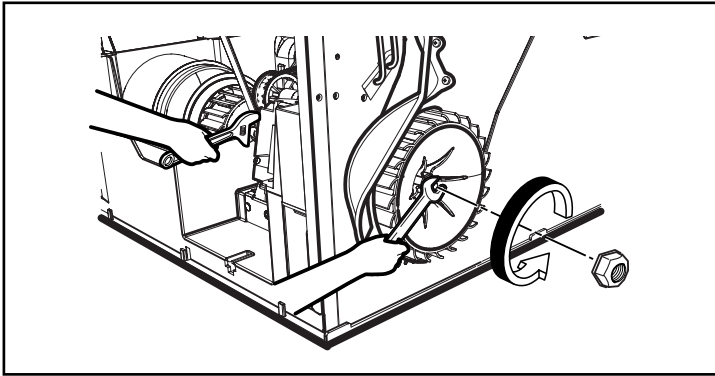
2. Disassemble Duct and Cover Protect by unscrewing.

Note !

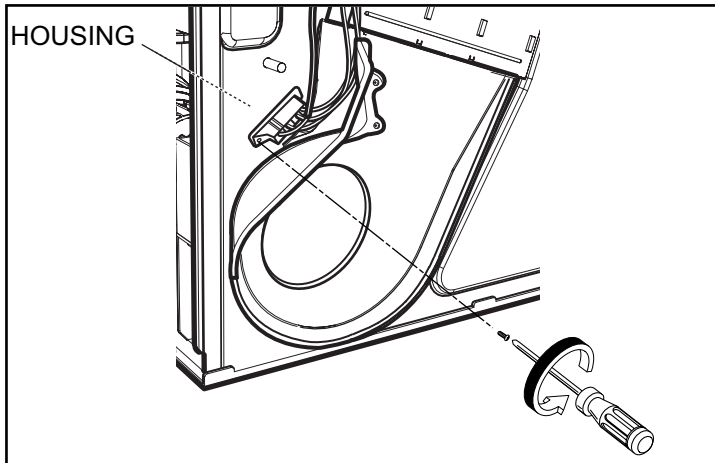
"*" marked 3 screws on the lower position of Duct are only used for molding parts. Be careful of not using them for other holes. Otherwise, the holes will be exposed to water leak.



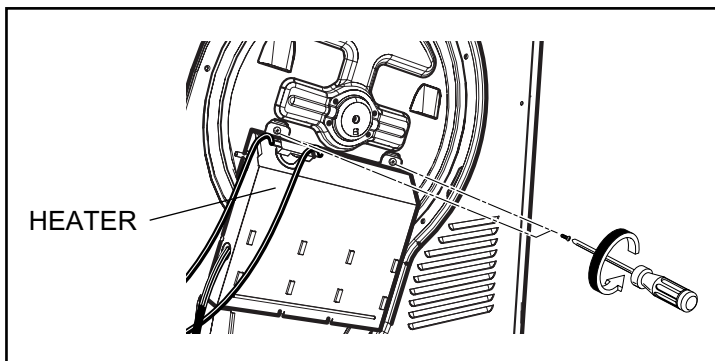
3. Disassemble Power cord by unscrewing 1 Earth screw after unscrewing 2 screws.



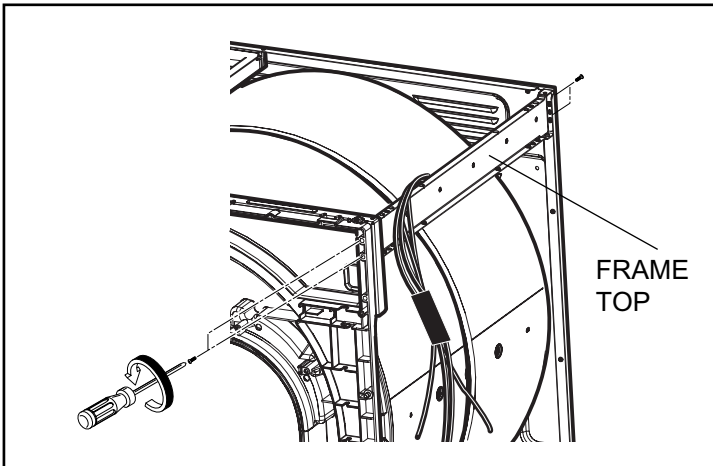
1. Disassemble Nut by grasping the edge of left motor shaft at the same time.



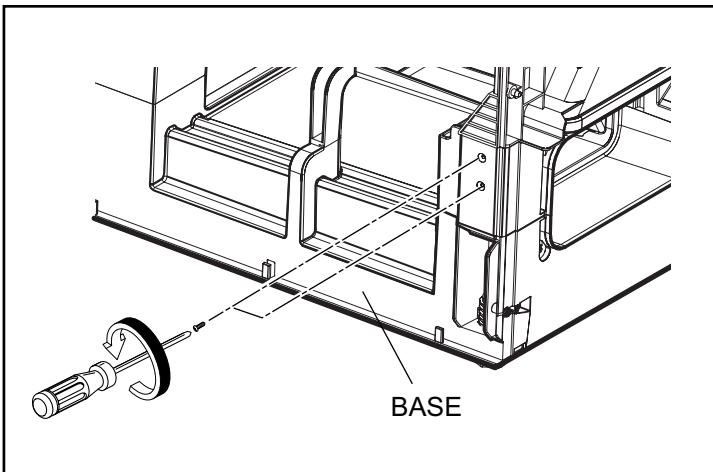
2. Disassemble Heater Housing by detaching inner Connector harness and unscrewing.



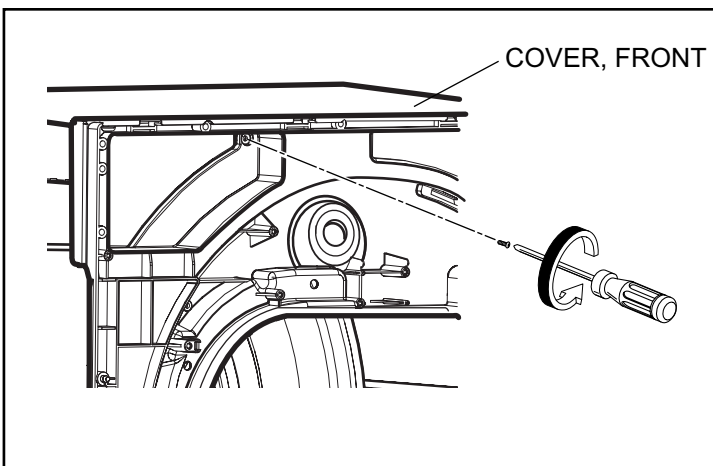
3. Disassemble Heater by unscrewing 2 screws.



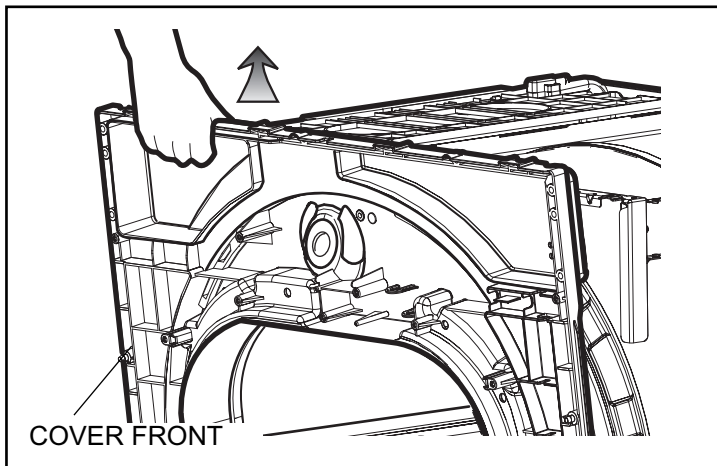
1. Disassemble Frame Top by unscrewing 4 screws. (Left and right are same)



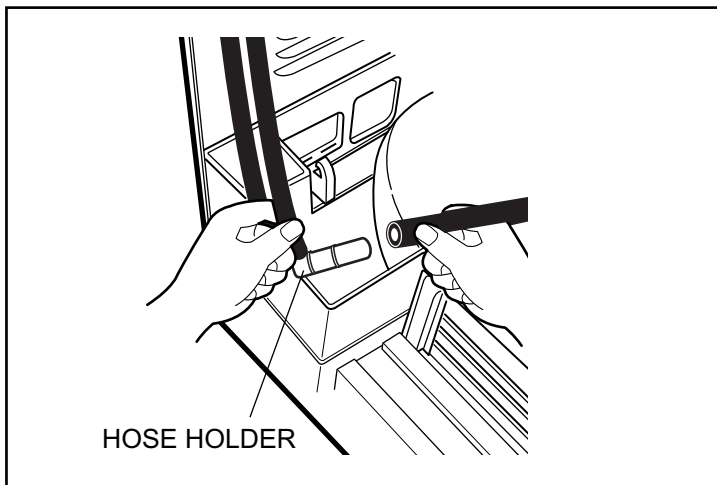
2. Unscrew 4 screws at the left and right.



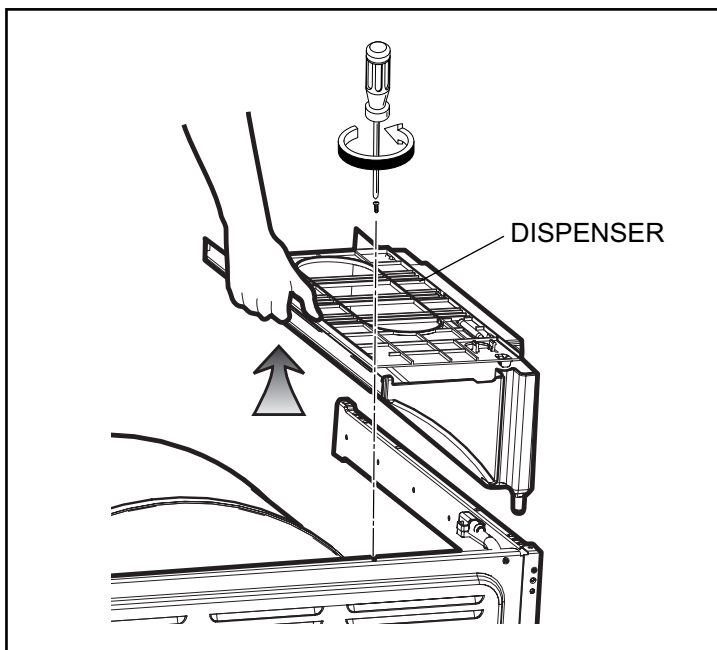
3. Unscrew 1 screw at the front.



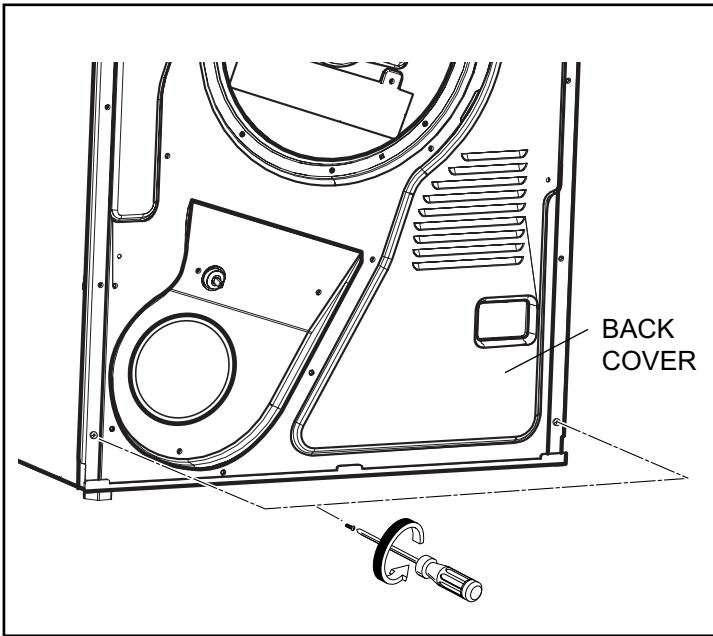
1. Disassemble Cover Front by pulling the top area out.



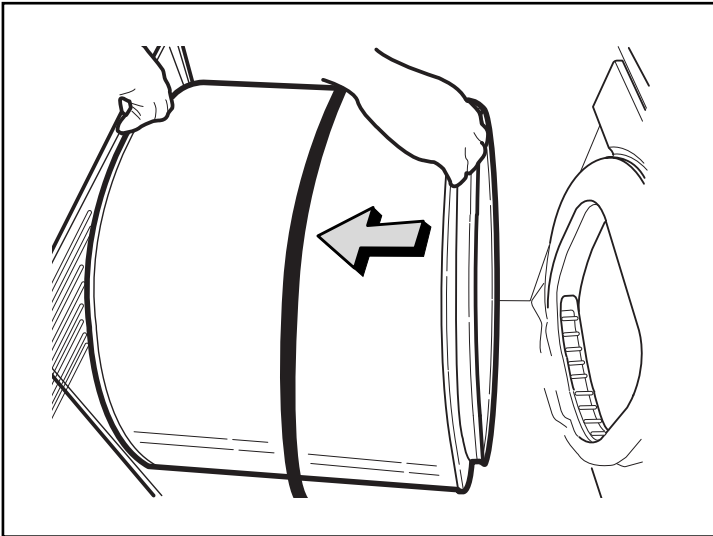
2. Disassemble Hose from hose holder at the base.



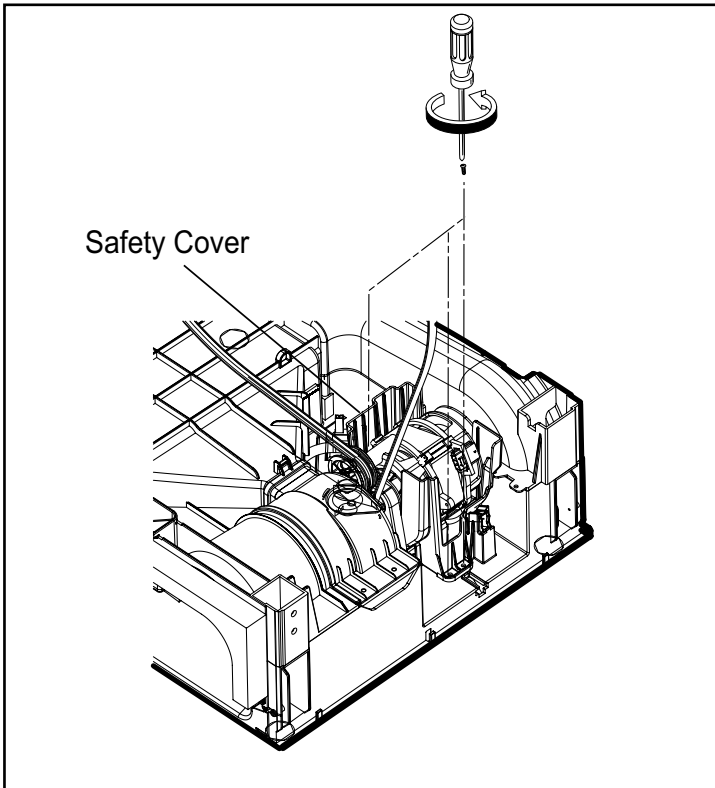
3. Disassemble Dispenser by unscrewing.



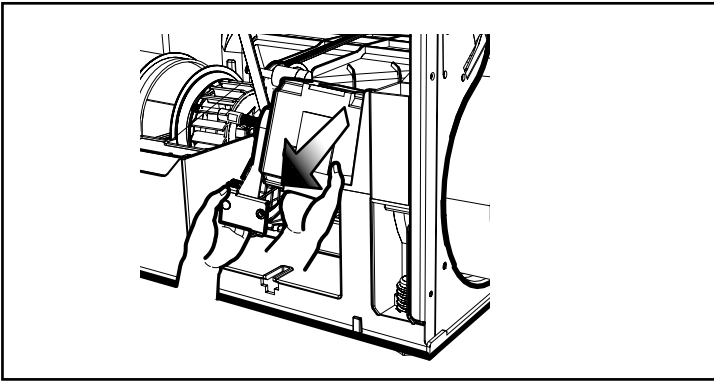
1. Disassemble Back cover from the Base by unscrewing 2 screws.



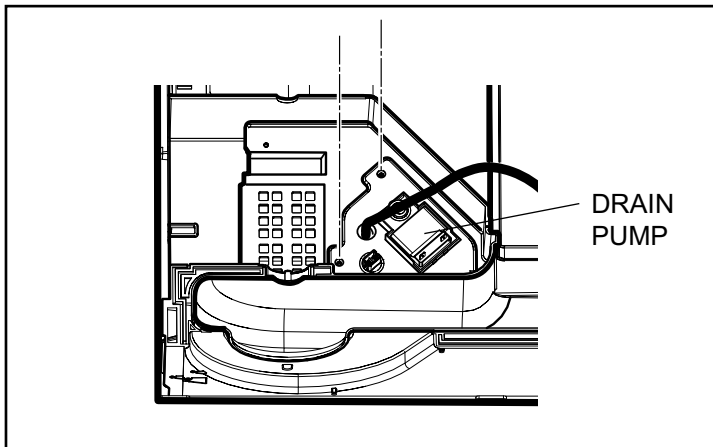
2. Disassemble Drum



1. Disassemble Safety Cover by unscrewing 3 screws.



2. Disassemble Motor.

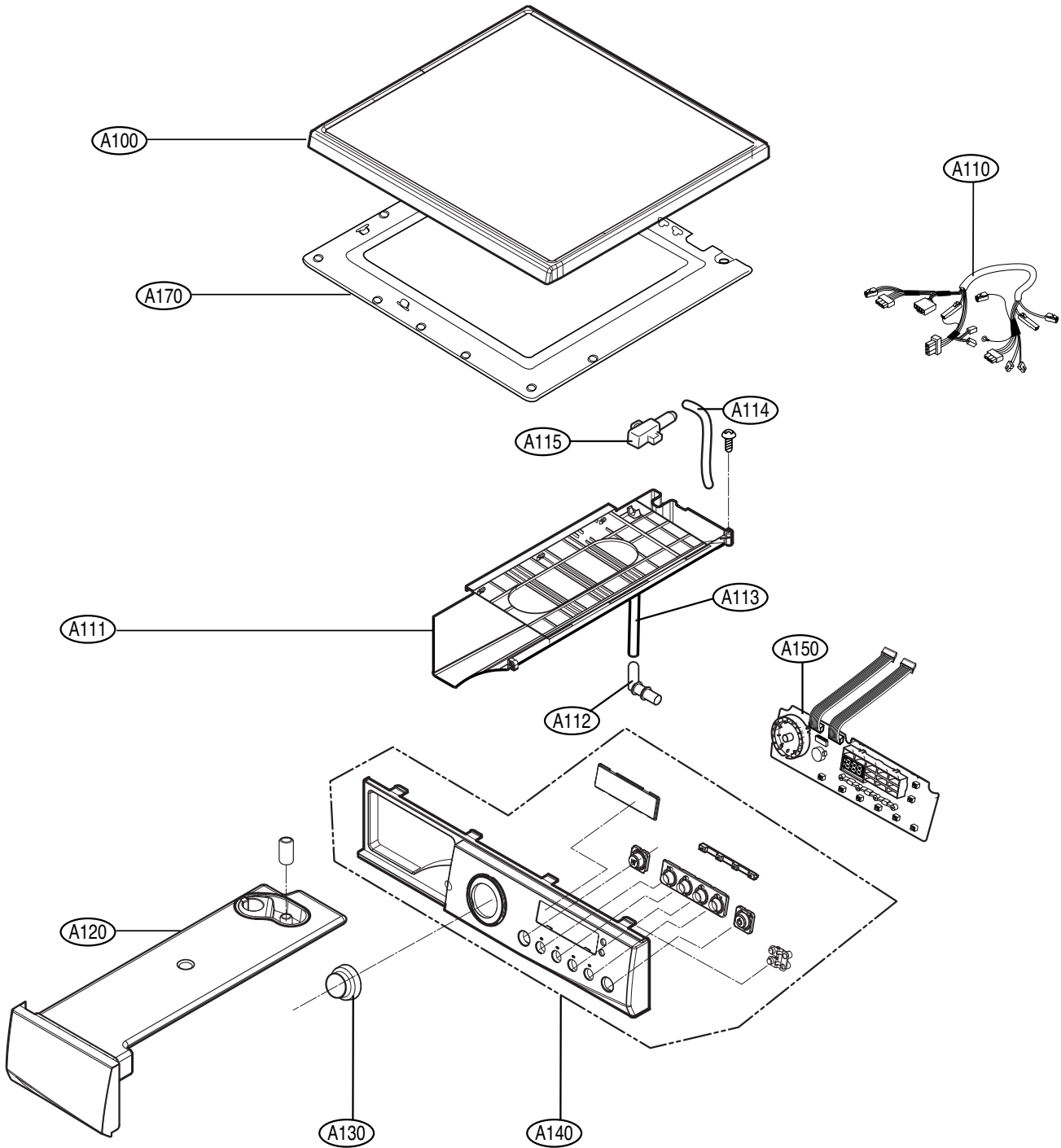


3. Disassemble Drain Pump by Unscrewing 2 screws.

● Control Panel & Top plate Assembly

○ : NON SVC Parts

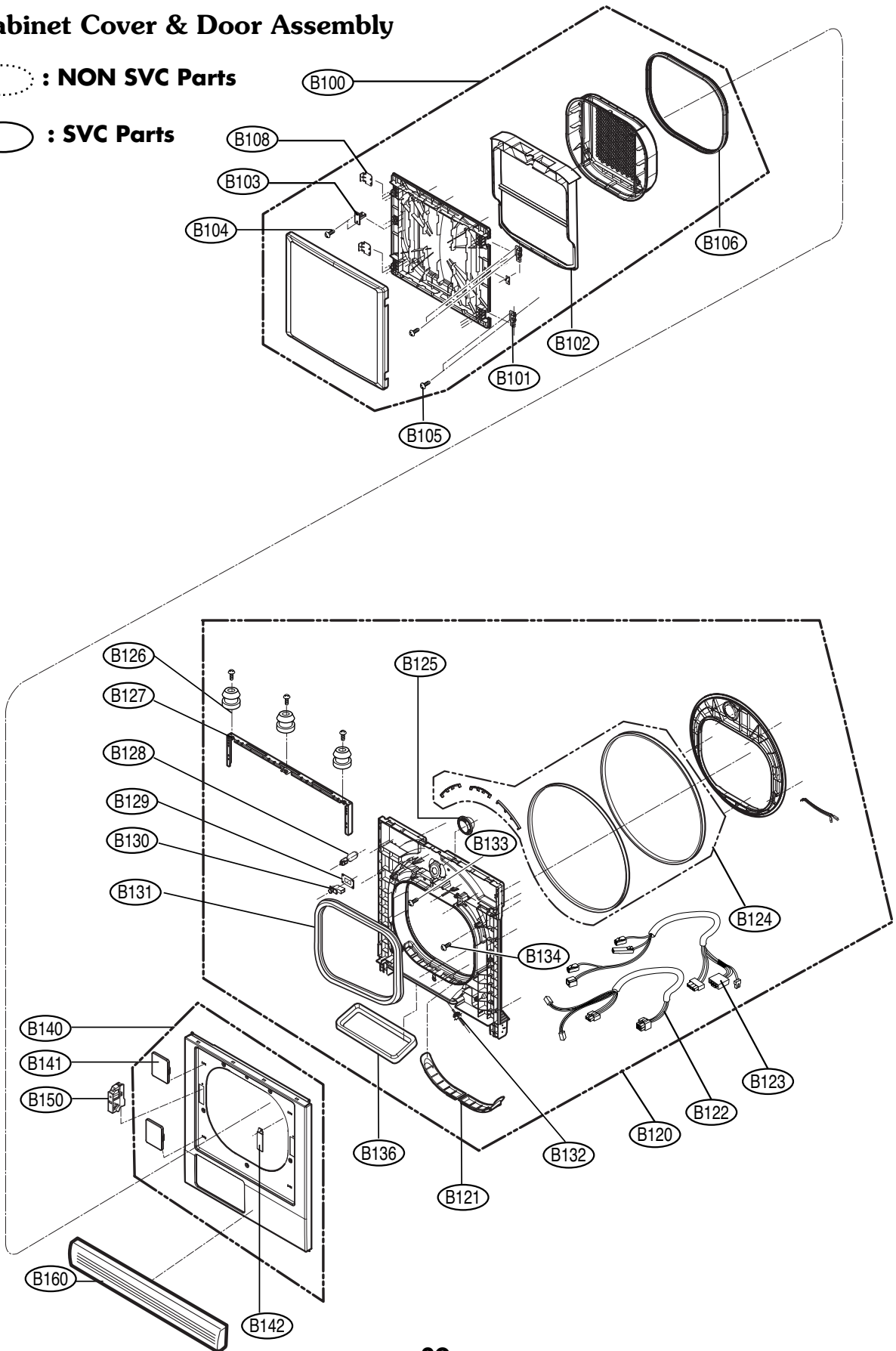
○ : SVC Parts



● Cabinet Cover & Door Assembly

○ : NON SVC Parts

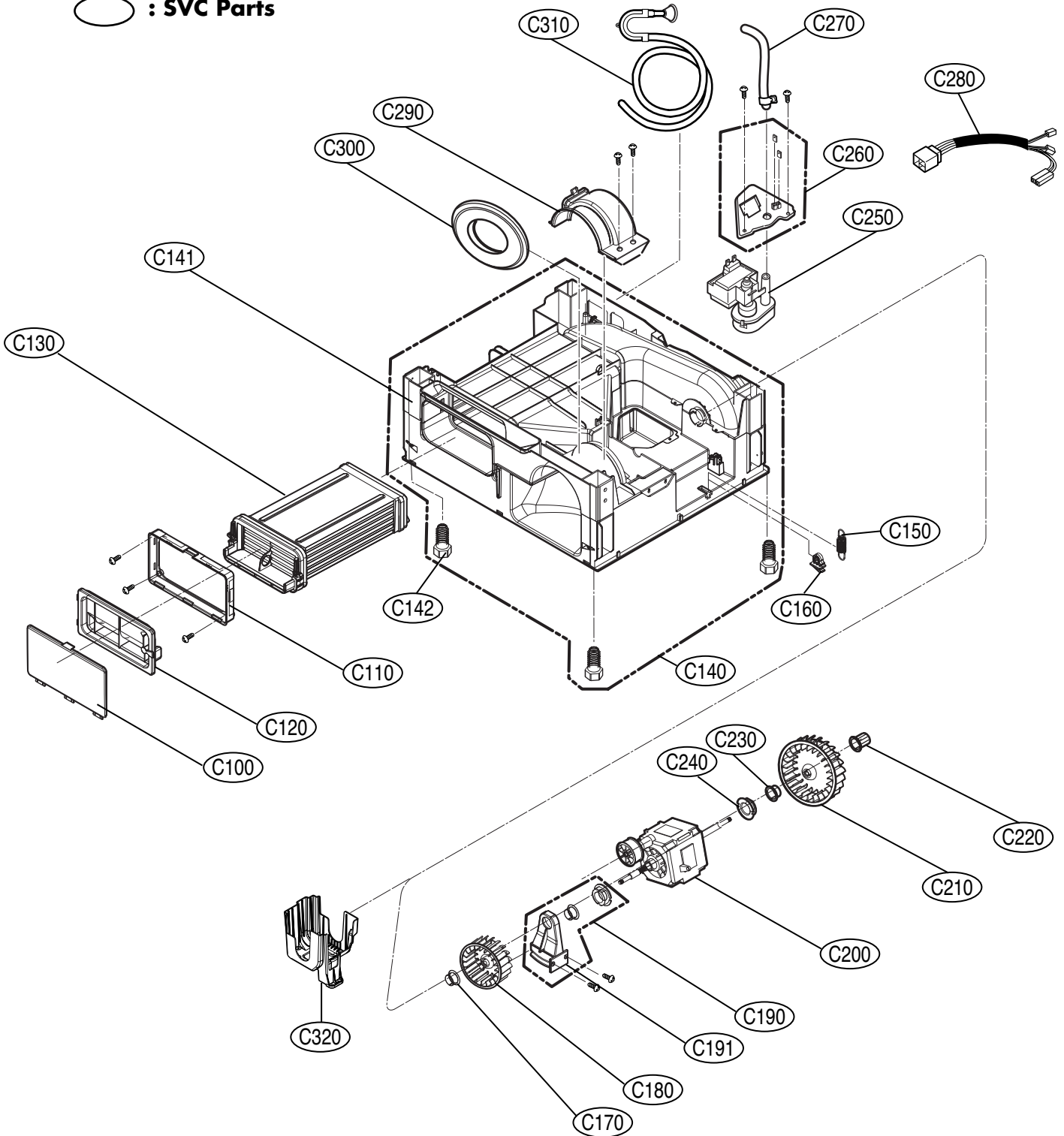
○ : SVC Parts



● Base & Motor Assembly

⋯ : NON SVC Parts

○ : SVC Parts



● Back Cover & Drum Assembly

⊖ : NON SVC Parts

○ : SVC Parts

