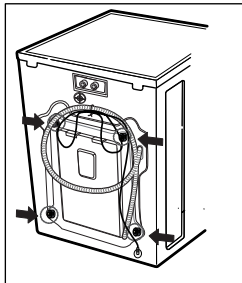


VIBRATION & NOISE IN SPIN



Have all the transit bolts and base packing been removed?

NO

Remove the transit bolts and Base packing.

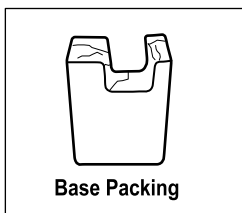
YES

Is the washer installed on a solidly constructed floor?

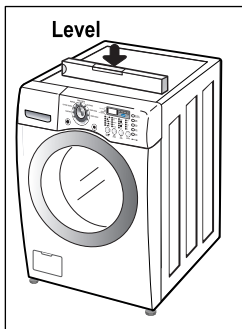
NO

Move the washer or reinforce the floor.

YES



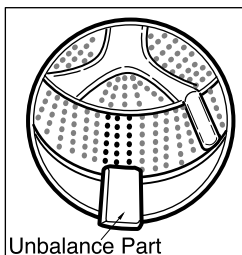
Check if the washer is perfectly level as follows:



Check the leveling of the washer with a Level and check that the washer is stable.

Put an unbalance part (rubber) inside of drum and start QC test mode and run in high spin (Refer to section 7-2).

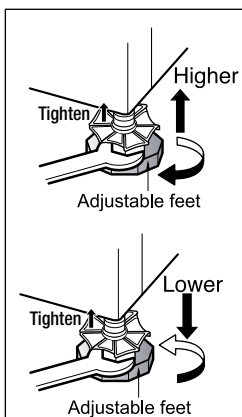
When the machine is spinning in high speed, verify that it is stable.



If you do not have the unbalance part, put 4.5 to 6.5 lbs (2 to 3 kg) of clothing. Once loaded, press power, Rinse+Spin and the start/pause button in sequence.

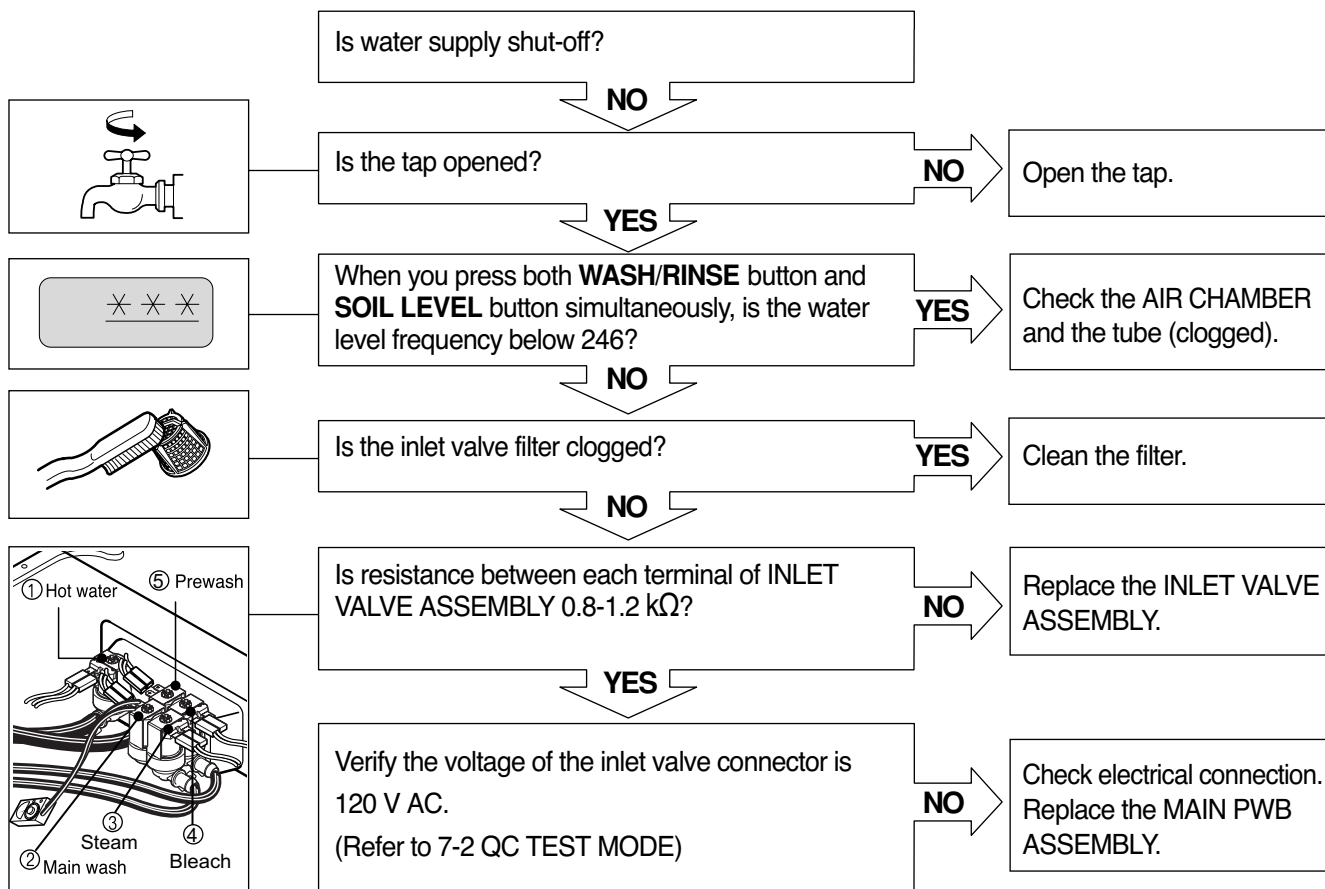
When the machine is spinning in high speed, verify that it is stable.

YES

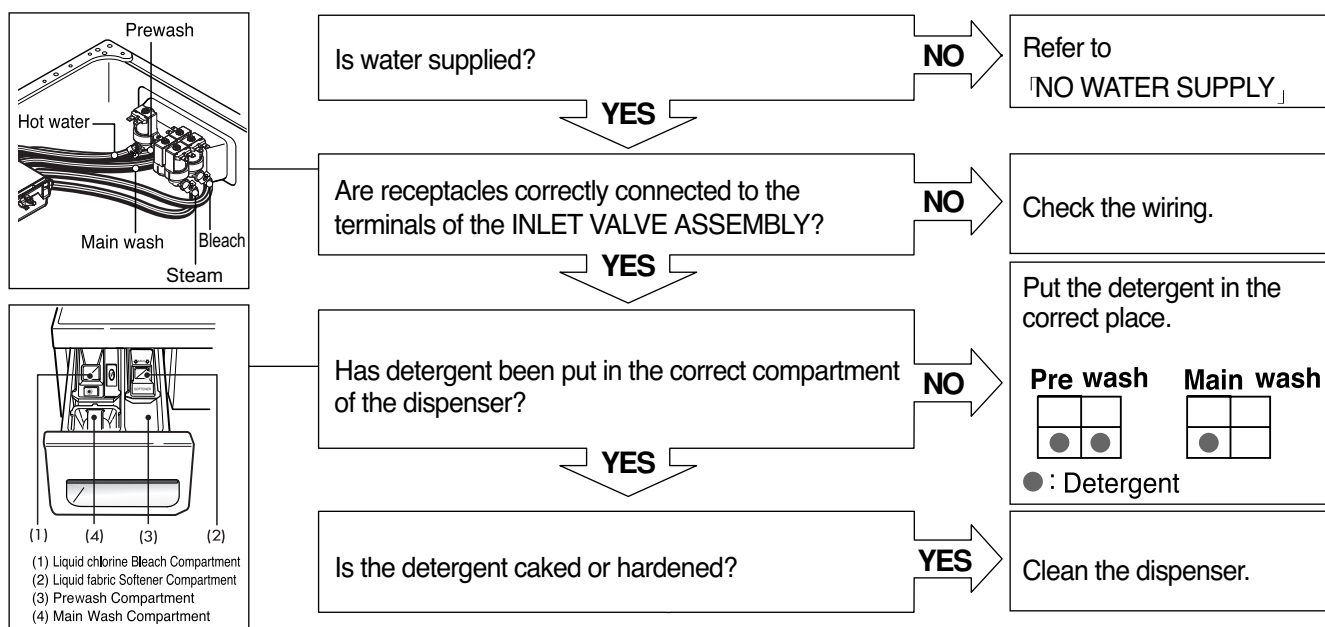


If it is not stable, adjust feet accordingly. After the washer is level, tighten the lock nuts up against of the base of the washer. All lock nuts must be tightened.

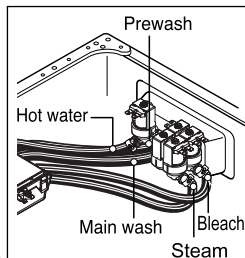
NO WATER SUPPLY



DETERGENT DOES NOT FLOW IN



LIQUID DETERGENT/SOFTENER/BLEACH DOES NOT FLOW IN



Is water supplied?

NO

Refer to
'NO WATER SUPPLY'

YES

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

NO

Check the wiring on the
dispenser.

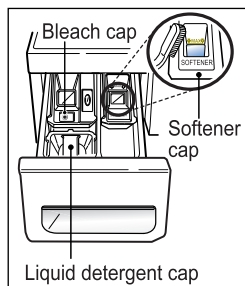
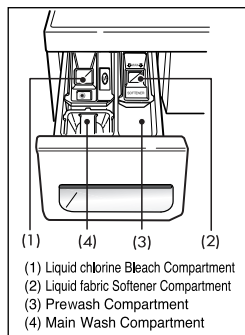
YES

Is liquid detergent/softener/bleach put in the correct
compartment of the drawer?

NO

Put it in the correct
compartment.

YES

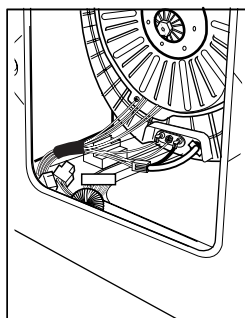


Is the liquid detergent/softener/bleach cap clogged?

YES

Clean the Cap and
Container.

ABNORMAL SOUND



Is the motor bolt loosened?

YES

Secure the bolt.

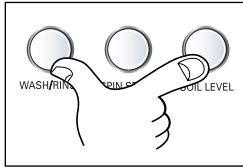
NO

Is there friction noise coming from the motor?

YES

Replace the STATOR
ASSEMBLY or ROTOR
ASSEMBLY.

HEATING WITHOUT WATER



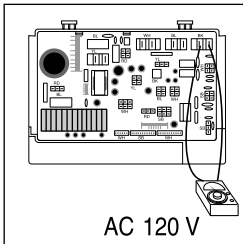
When pressing WASH/RINSE and SOIL LEVEL at the same time after draining, is the water level frequency 255?

When pressing WASH/RINSE and SOIL LEVEL buttons at the same time while washing, is the water level frequency between 230 - 243 ?

NO

Replace the SENSOR SWITCH ASSEMBLY.

YES

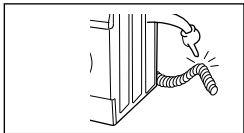


Check the voltage between two pins while pressing the POWER button. Is the voltage 120 V AC?

YES

Replace the MAIN PWB ASSEMBLY.

DRAIN MALFUNCTION

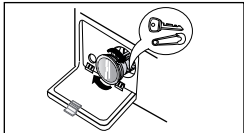


Is the drain hose twisted or frozen?

YES

Repair the DRAIN HOSE ASSEMBLY.

NO

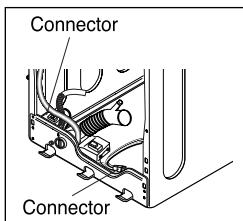


Is the impeller of the drain pump clogged?

YES

Remove foreign material.

NO



Is the connector disconnected, disassembled?

YES

Reconnect or repair the connector

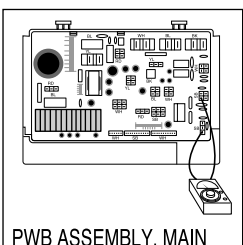
NO

Is the coil of the drain pump too high or low? (resistance of the coil is 10-20 Ω)

YES

Replace the DRAIN PUMP ASSEMBLY.

NO

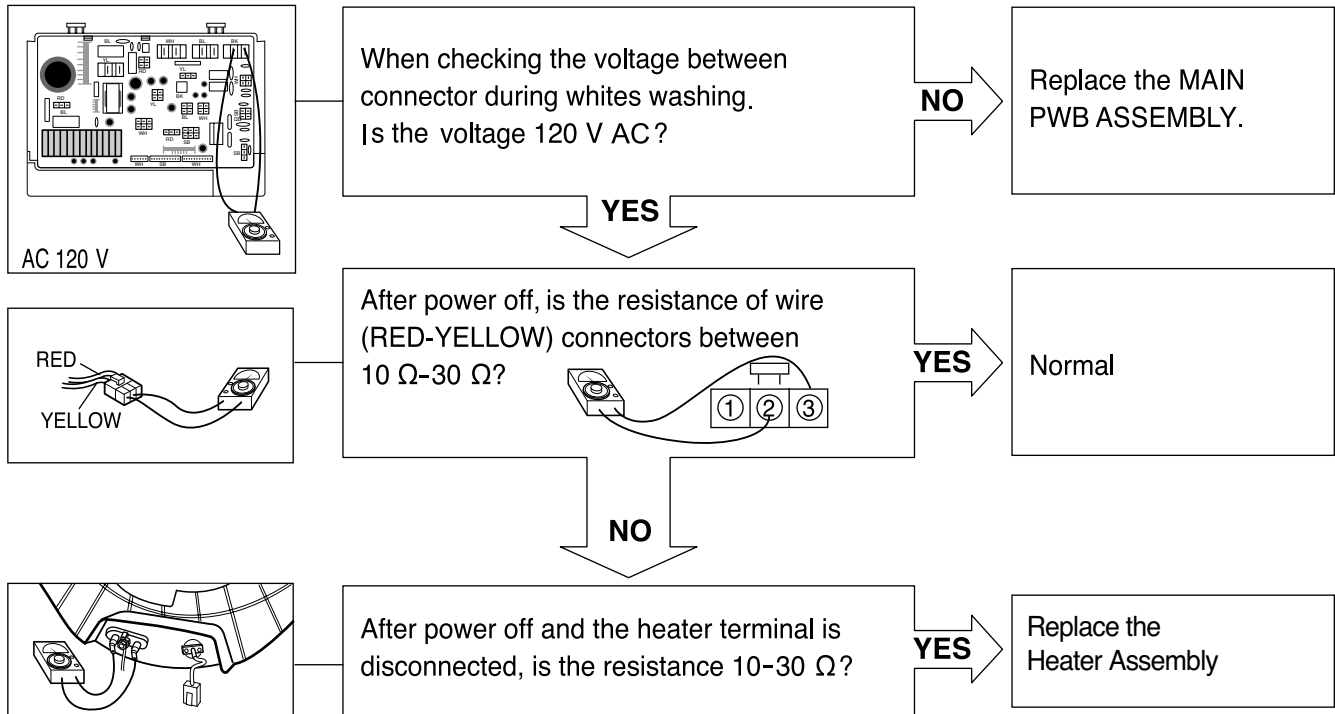


When checking voltage between connectors during spin, is the voltage 120 V AC as in the figure?

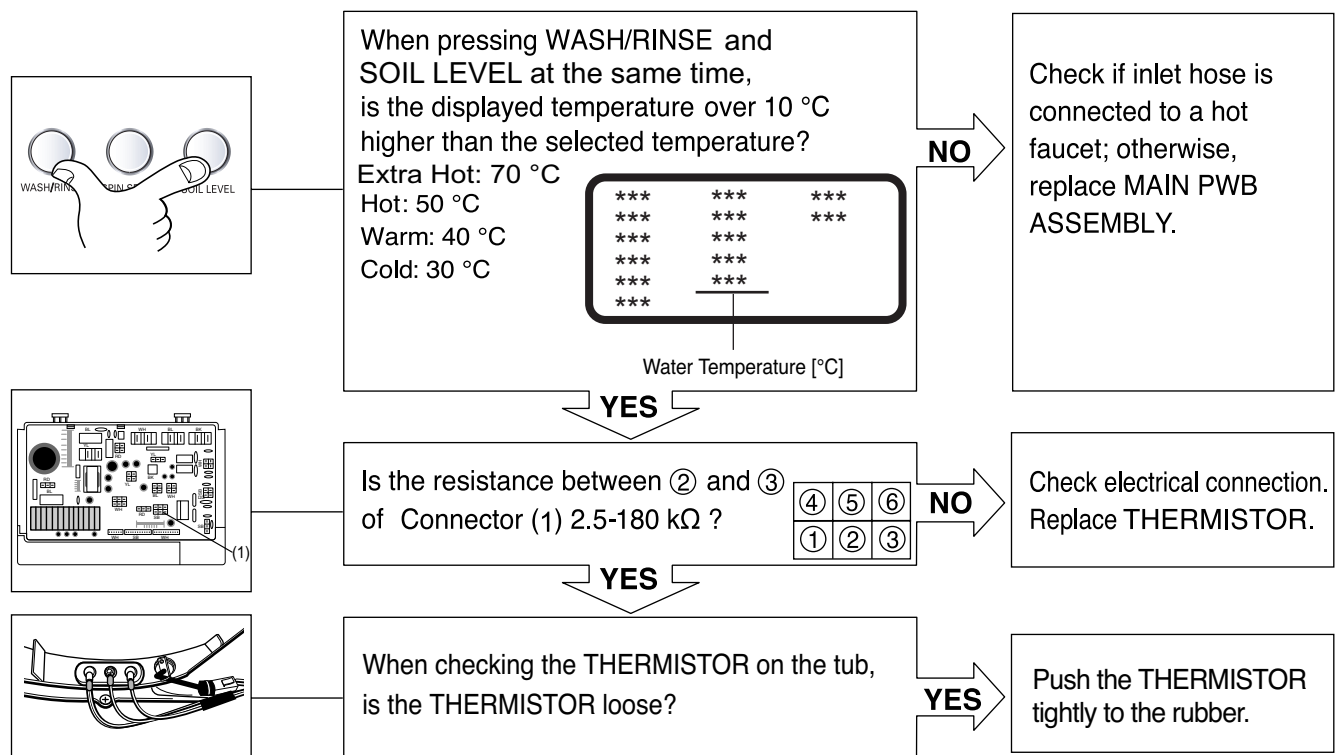
NO

Replace the MAIN PWB ASSEMBLY.

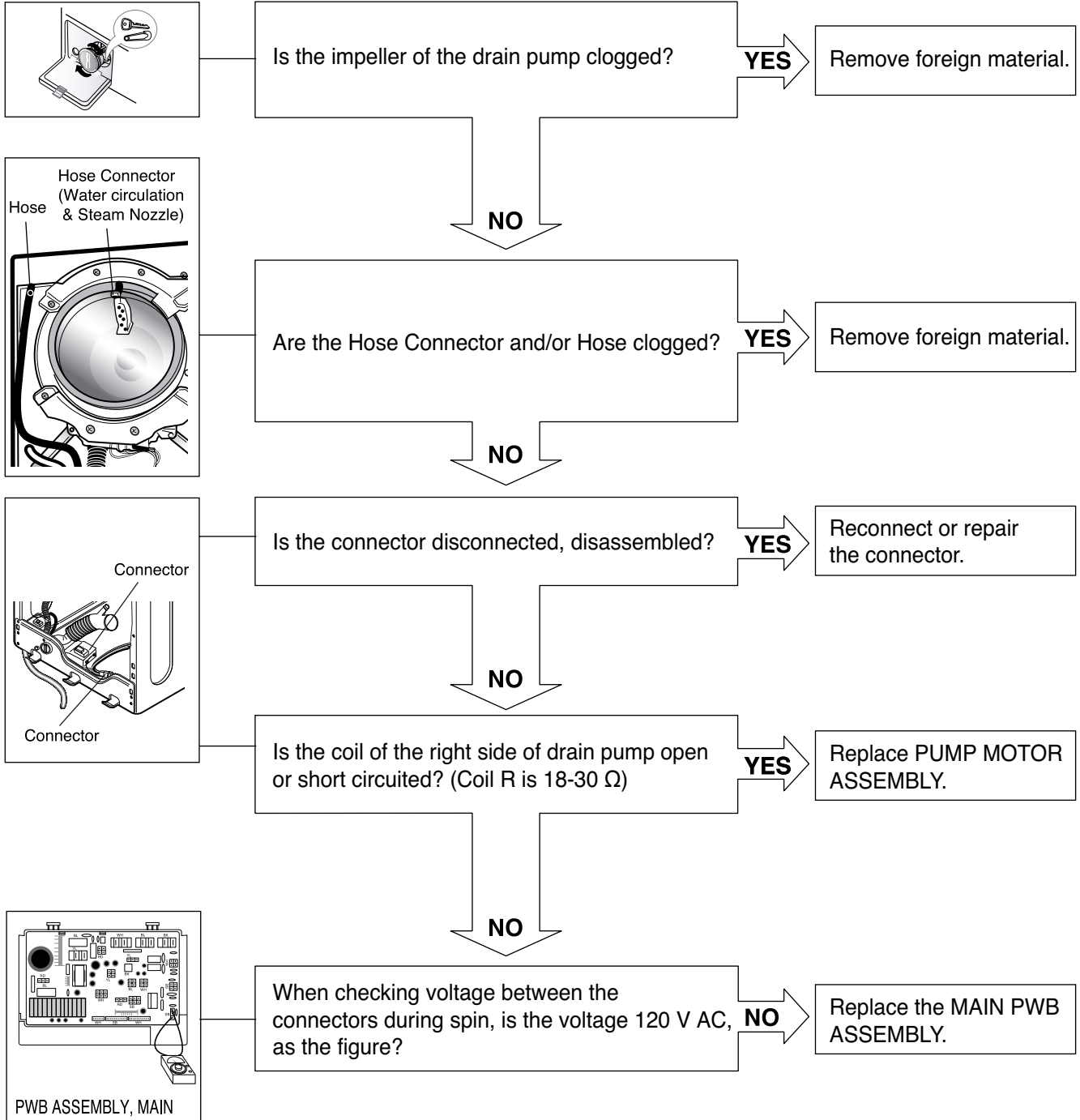
WASH HEATER TROUBLE



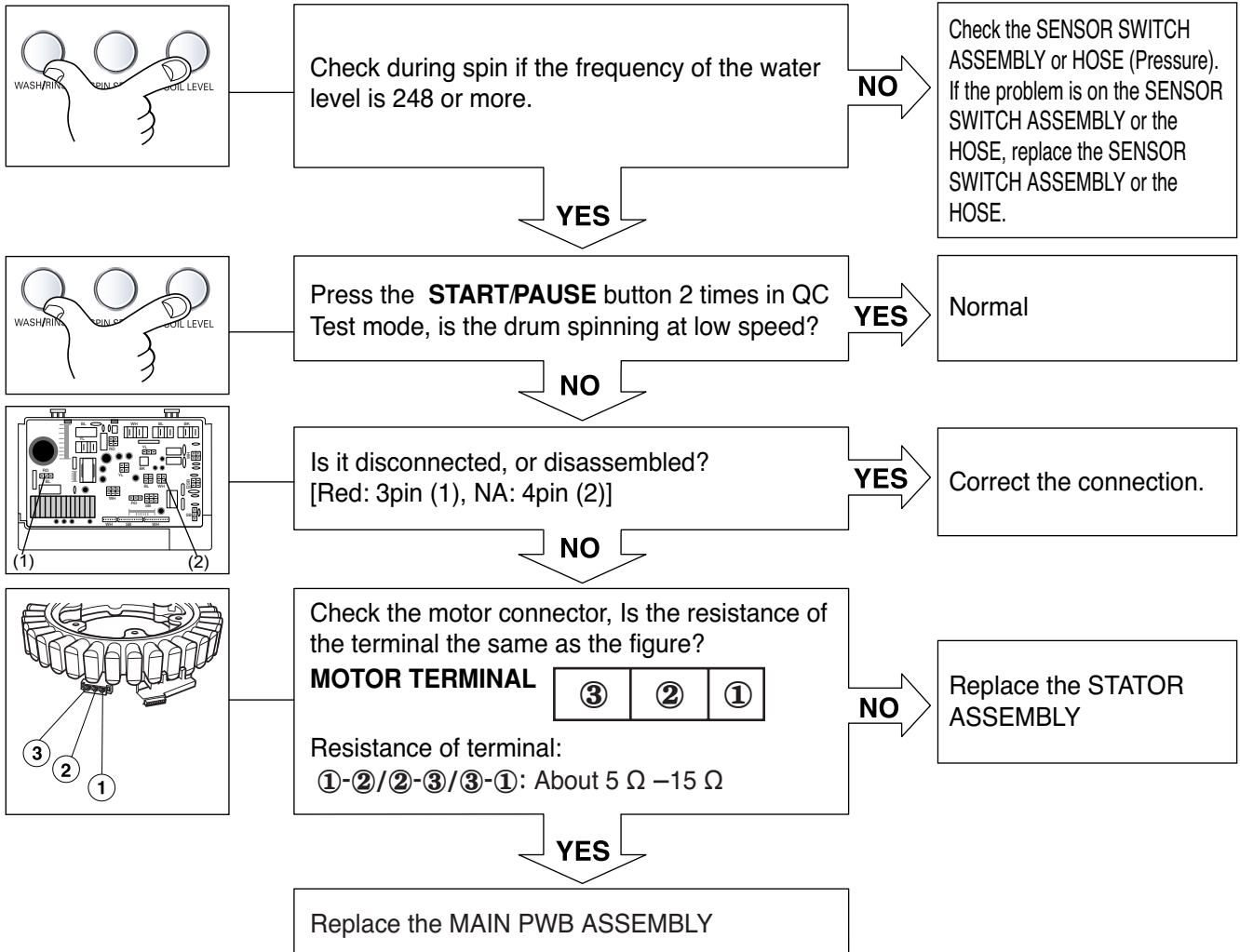
HEATING CONTINUOUSLY ABOVE THE SETTING WATER TEMPERATURE



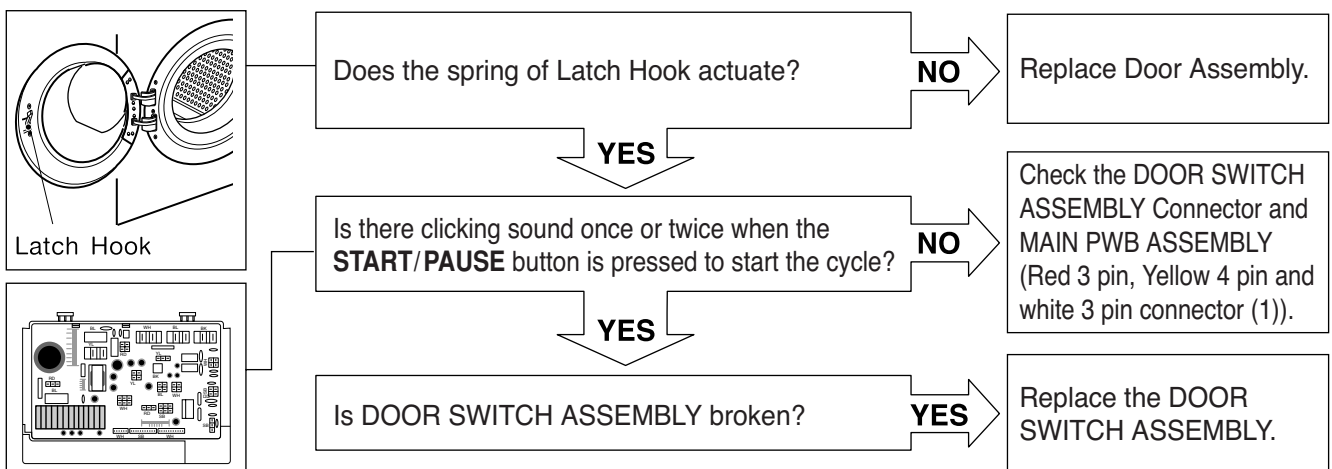
WILL NOT CIRCULATE WATER



SPIN TROUBLE



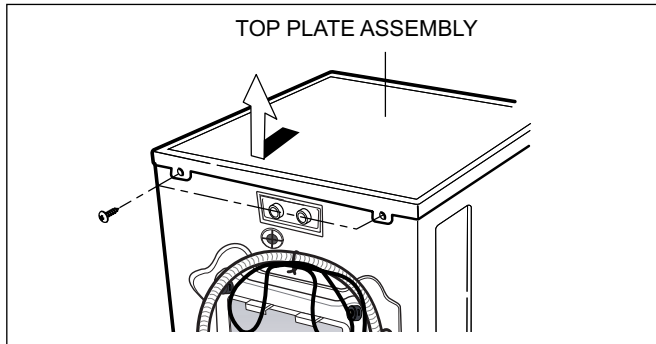
ERROR



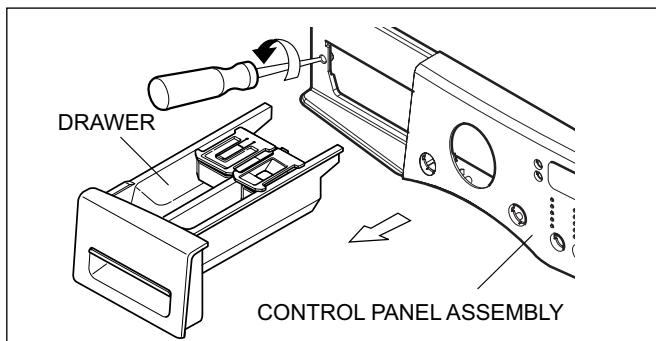
9. DISASSEMBLY INSTRUCTIONS

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

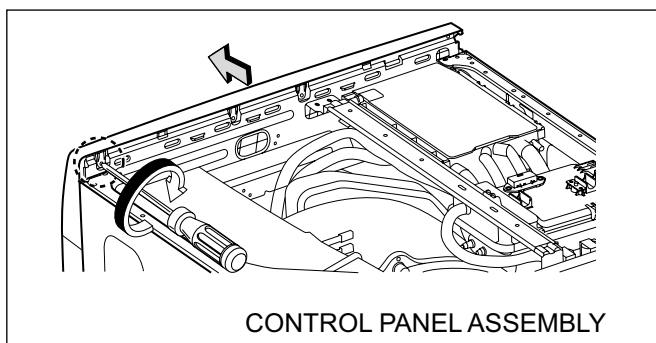
CONTROL PANEL ASSEMBLY



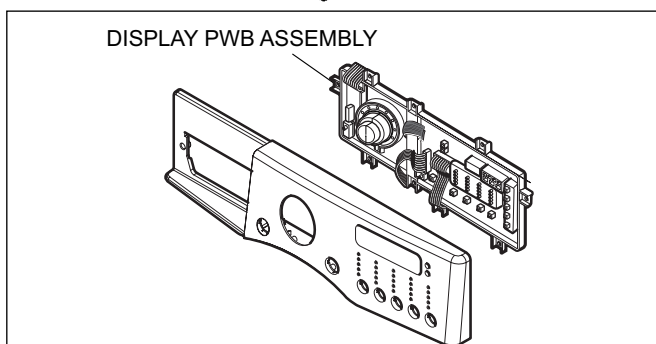
- ① Unscrew 2 screws on the back of the top plate.
- ② Pull the top plate backward and upward as shown.



- ③ Disconnect the Display PWB Assembly connector from Trans cable.
- ④ Pull out the drawer and unscrew 2 screws.

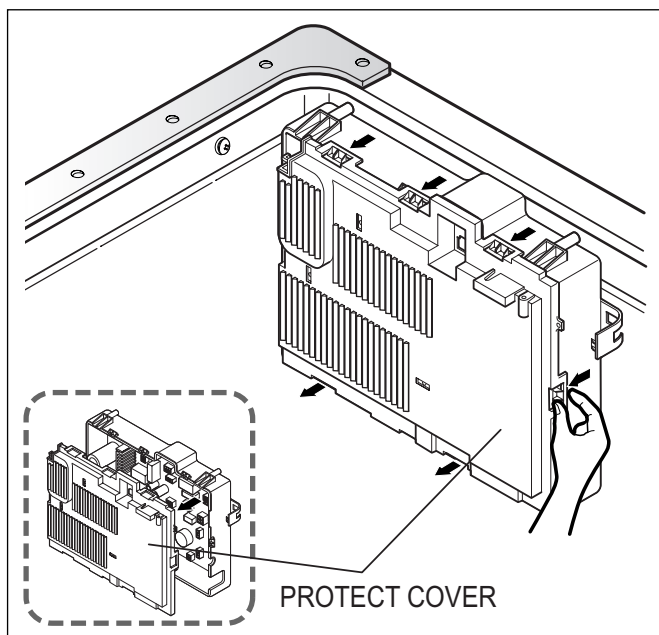


- ⑤ Taking out 1 screw.
- ⑥ Lift the side the Control Panel Assembly and pull it out

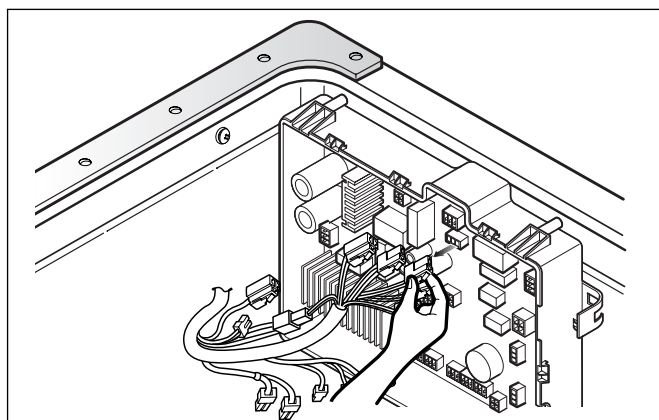


- ⑦ Unscrew the 8 screws from the Control Panel Assembly.
- ⑧ Disassemble the Display PWB Assembly.

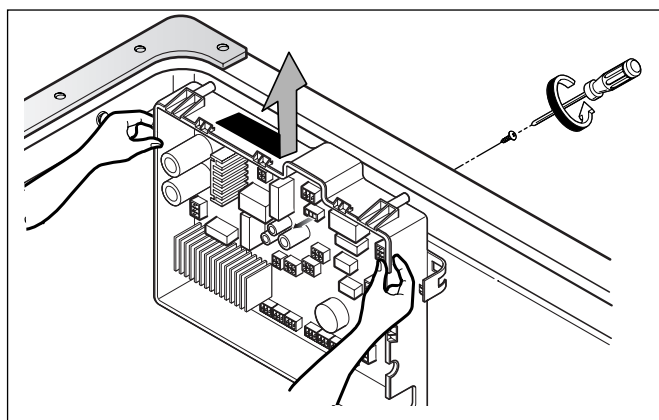
MAIN PWB ASSEMBLY



- ① Disconnect the POWER connector and SENSOR SWITCH ASSEMBLY.
- ② Remove the Protect Cover.

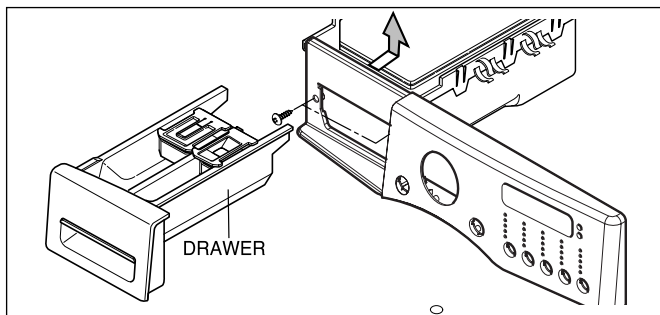


- ③ Disconnect the connectors.

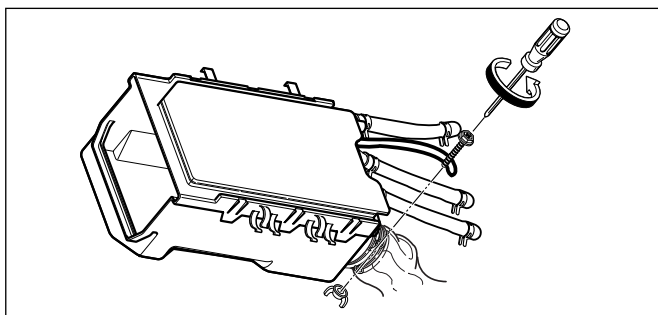


- ④ Unscrew 1 screw on the back.
- ⑤ Disassemble the Main PWB.

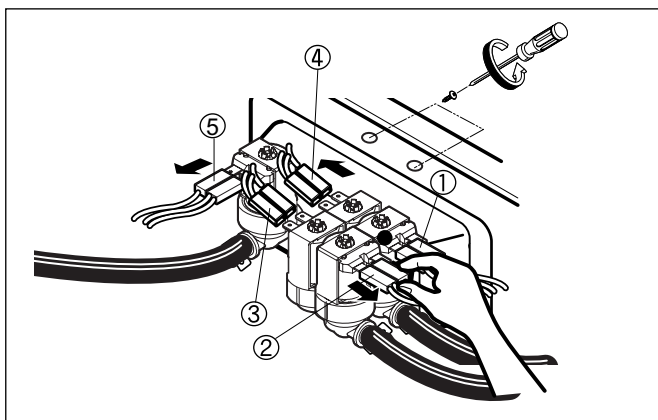
DISPENSER ASSEMBLY



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



- ④ Unscrew the nut at the lower part of the dispenser.



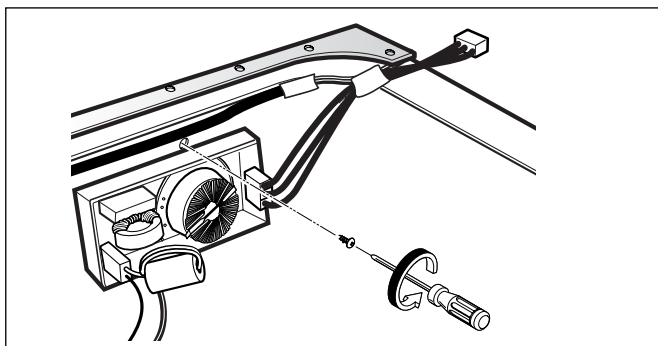
- ⑤ Disassemble the 4 connectors from the valves.

※ Wire Color

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

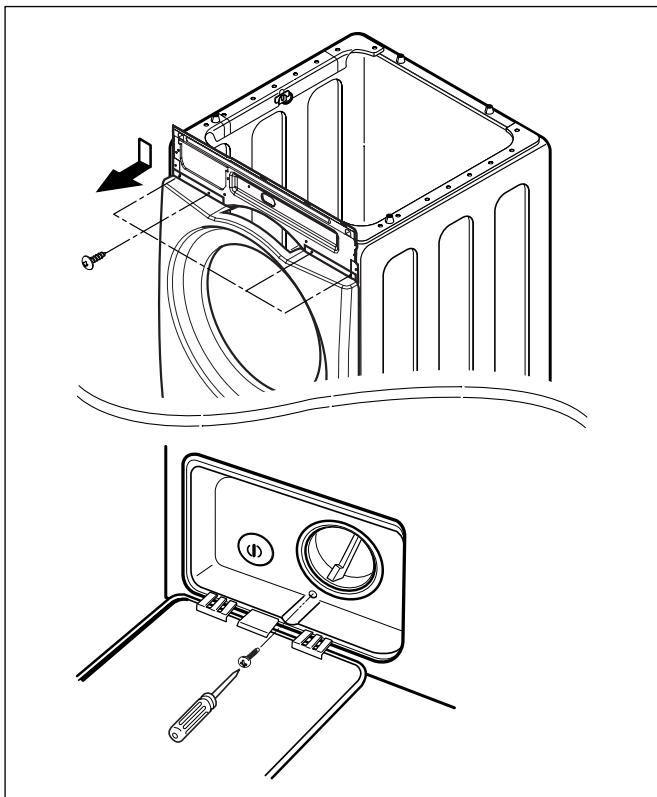
- ⑥ Unscrew 2 screws from the back of the cabinet.

NOISE FILTER

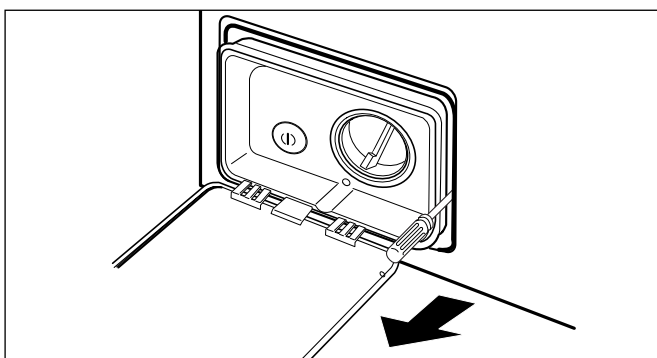


- ① Disassemble two (or three) connectors from the NOISE FILTER.
- ② Unscrew a screw from the TOP BRACKET.

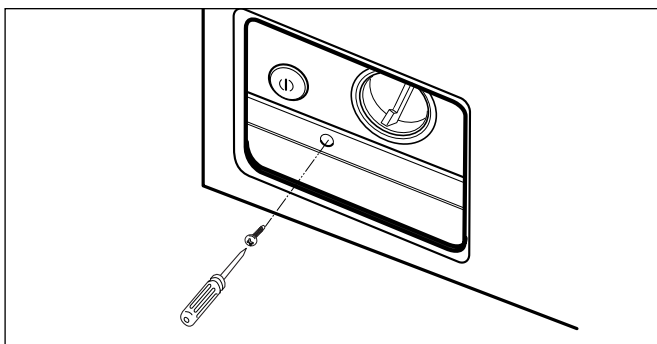
CABINET COVER



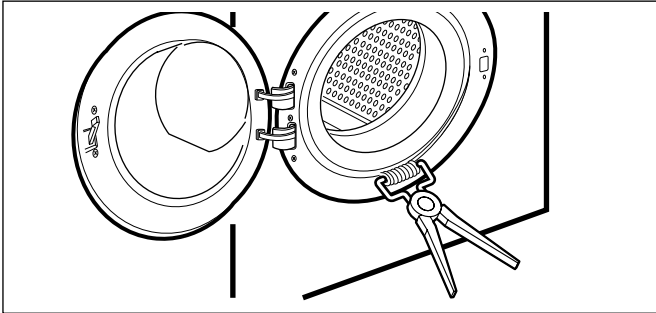
- ① Unscrew the 5 screws from upper of the cabinet cover.
- ② Unscrew the screw from filter cover.



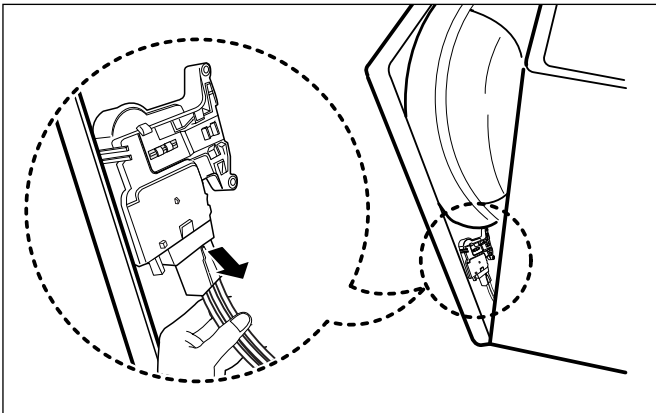
- ③ Put a flat (-) screwdriver or putty knife into the both sides of the filter cover, and pull it out.



- ④ Unscrew the screw from the lower side of the cabinet cover.

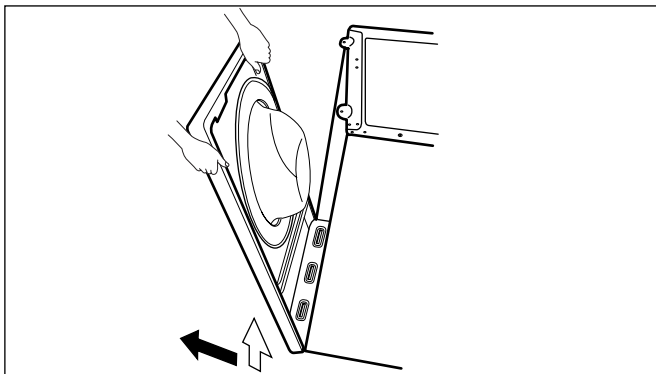


- ⑤ Open the door.
- ⑥ Disassemble the clamp assembly.

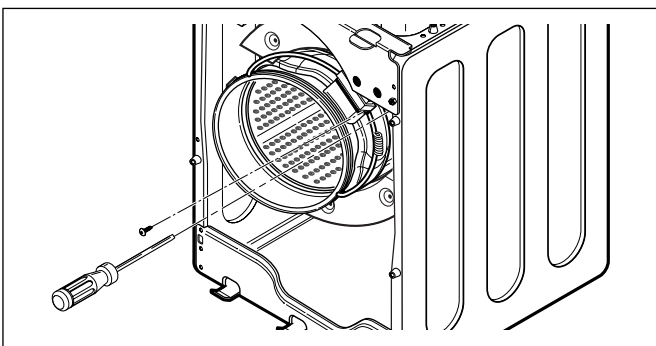


- ⑦ Tilt the cabinet cover.
- ⑧ Disconnect the door switch connector.

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

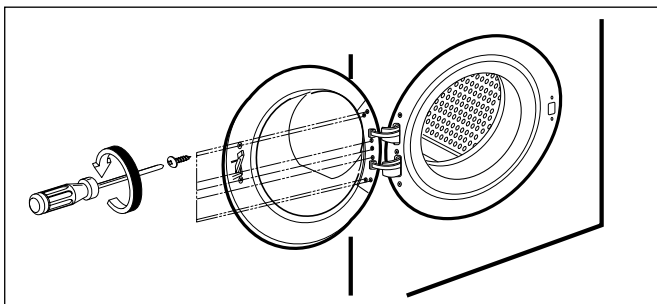


- ⑨ Lift and separate the cabinet cover.

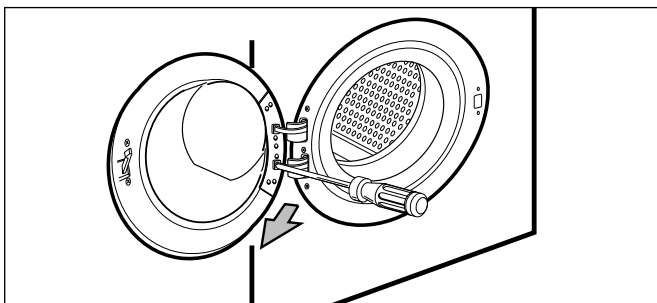


- ⑩ Disassemble the clamp assembly.
- ⑪ Disassemble the Gasket.

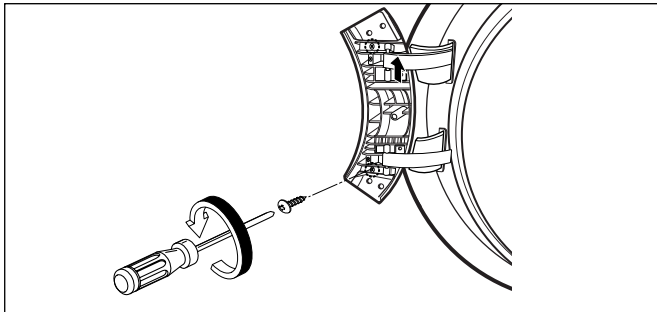
DOOR



- ① Open the door.
- ② Unscrew the 7 screws from the HINGE COVER.



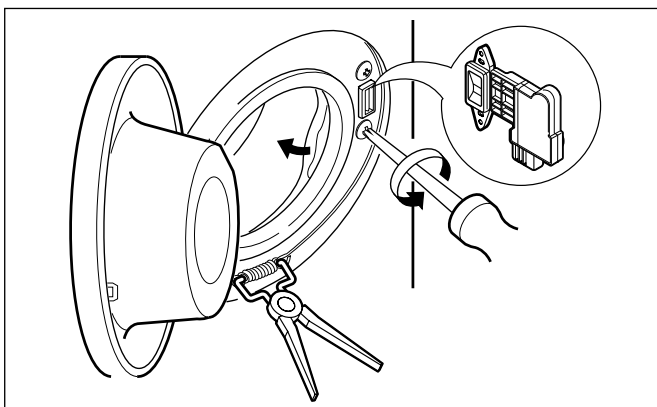
- ③ Put a flat (-) screwdriver into the opening of the hinge, and pull out the hinge cover.



- ④ Unscrew a screw from the lower side of door.
- ⑤ Disassemble the door upward.

※ **Be careful!** The door is heavy.

DOOR LOCK SWITCH ASSEMBLY

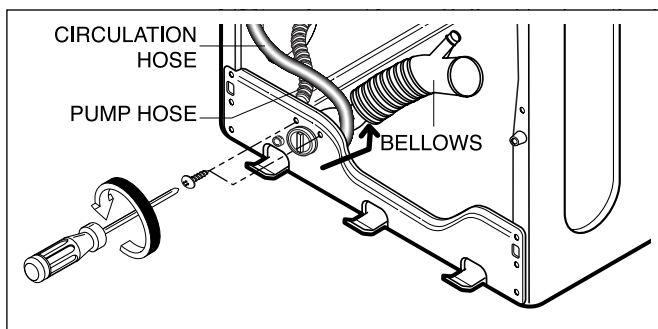


- ① Open the door and disassemble the CLAMP ASSEMBLY.
- ② Unscrew the 2 screws.

※ NOTE

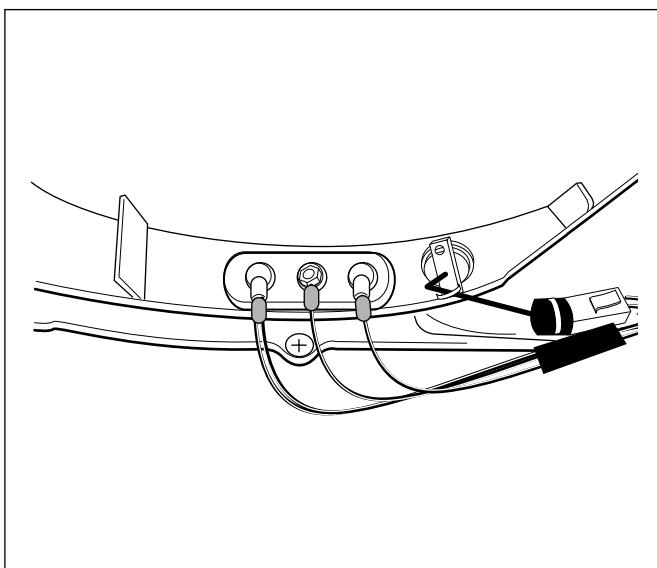
- Reconnect the connector after replacing the DOOR SWITCH ASSEMBLY.

PUMP



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

HEATER

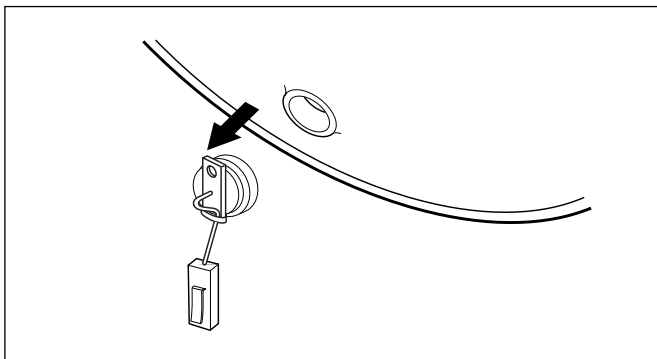


- ① Disassemble the cabinet cover.
- ② Separate 2 connectors from the heater.
- ③ Loosen the nut and pull out the heater.

※ CAUTION

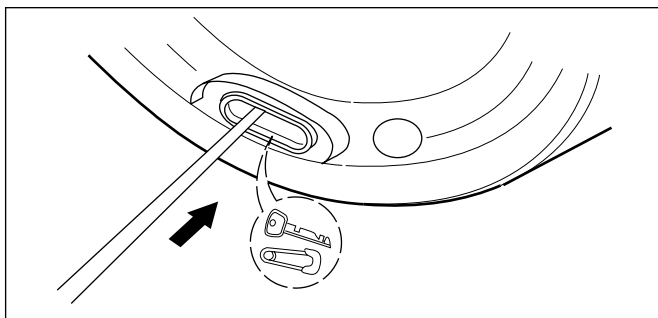
- When assembling the heater, insert the heater into the heater clip on the bottom of the tub.
- Tighten the fastening nut so the heater is secure.

THERMISTOR



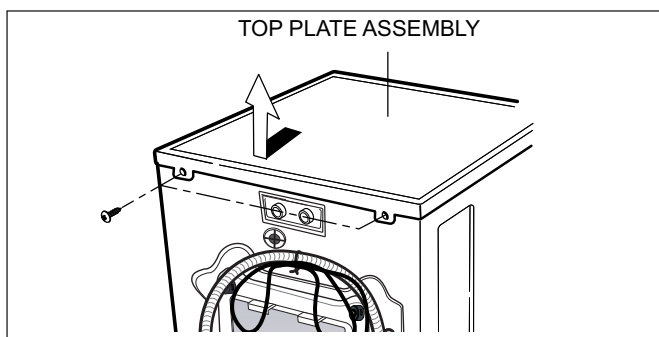
- ① Disassemble the cabinet cover.
- ② Unplug the white connector from the thermistor.
- ③ Pull it out by holding the bracket of the thermistor.

WHEN FOREIGN OBJECT IS STUCK BETWEEN DRUM AND TUB

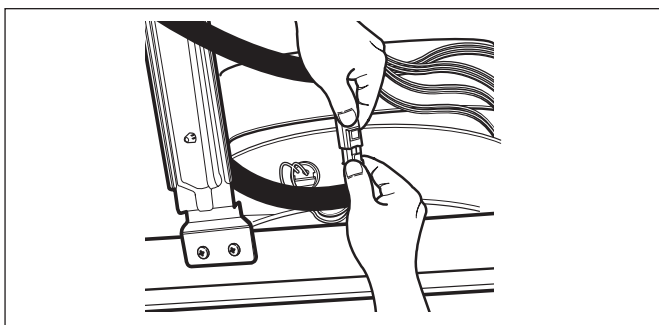


- ① Disassemble the cabinet cover.
- ② Separate the heater from the tub.
- ③ Remove any foreign objects (wire, coin, etc.) by inserting a long bar in the opening.

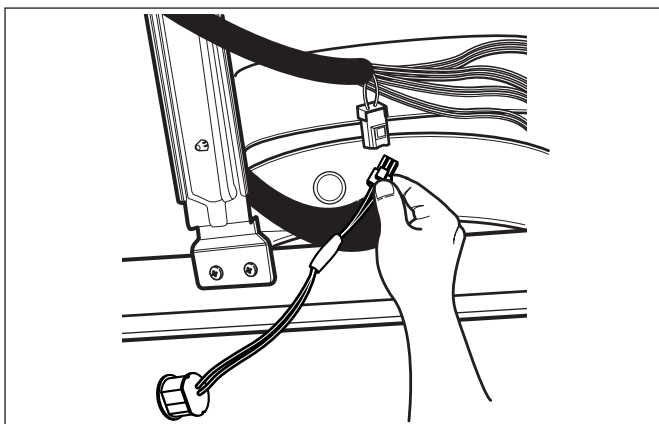
LAMP ASSEMBLY



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

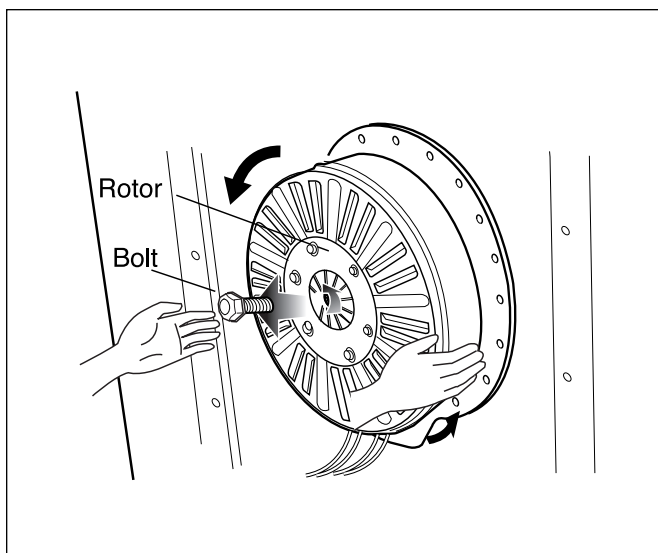


- ③ Disconnect the connector.

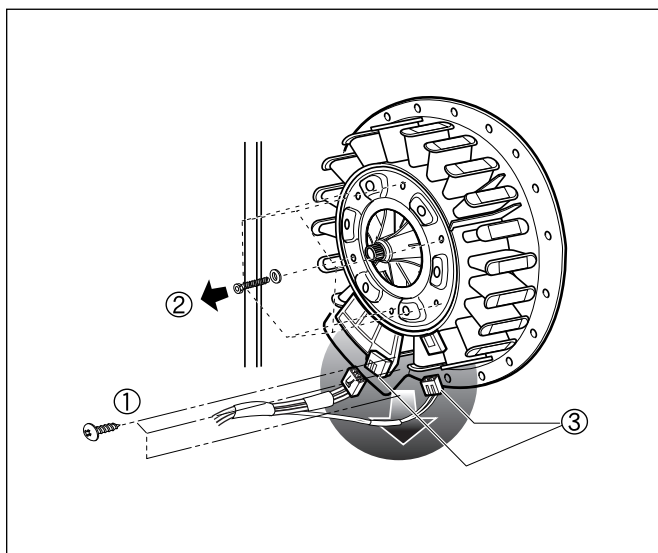


- ④ Disassemble the lamp assembly.

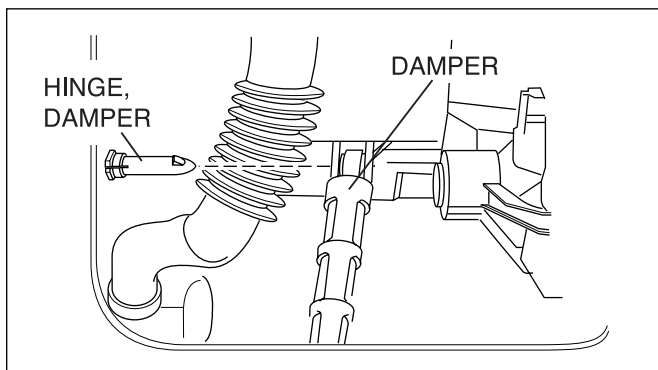
MOTOR/DAMPER



- 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.

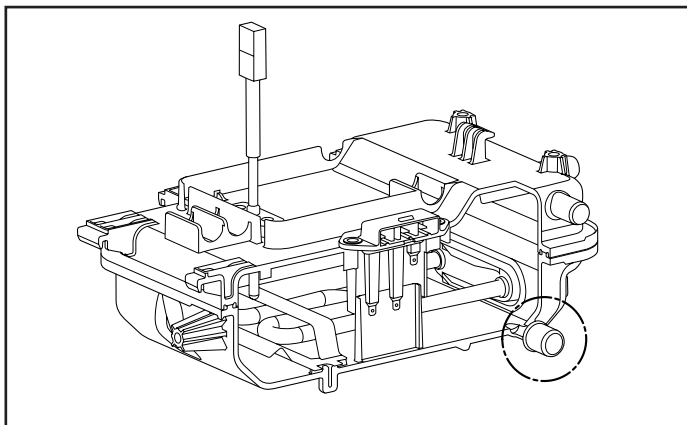


- ① Disassemble the damper hinges from the tub and base.
- ② Separate the dampers.

※ NOTE

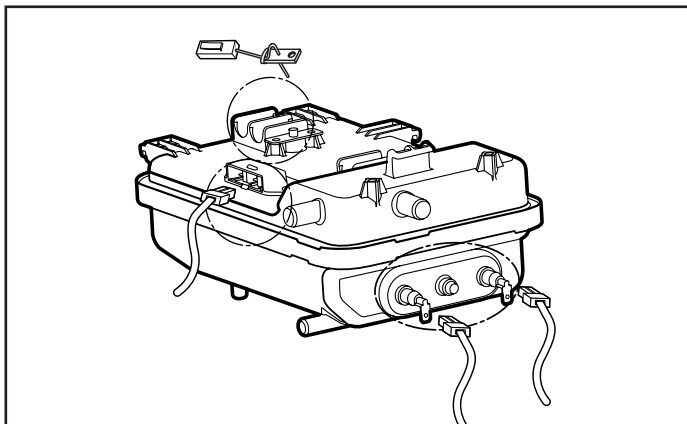
- Once removed, replace the damper with new one.

Checking the TSG (TURBO STEAM GENERATOR)

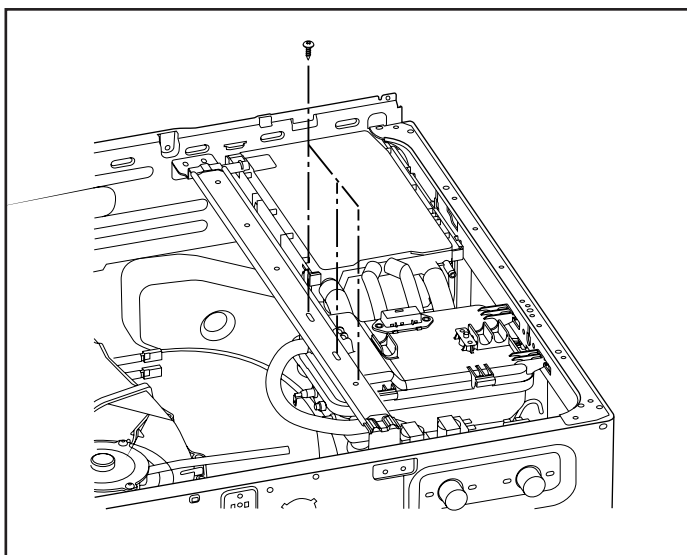


- ① To check out the fault diagnosis of TSG, in case of removing the water inside, you can pull out the plug and let the water drain away.
- ② Be cautious in case of the TSG is hot temperature.

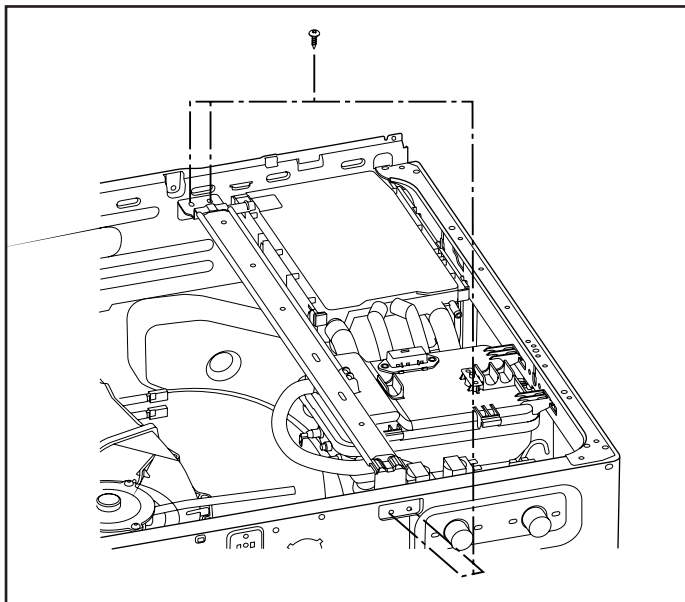
TSG (TURBO STEAM GENERATOR)



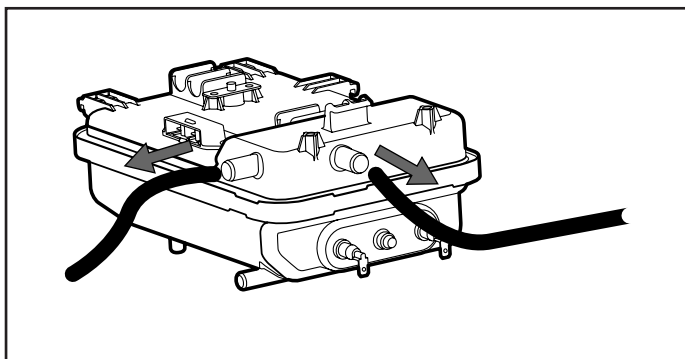
- ① Remove the housing coupled the TSG (Heater, Water level frequency-sensor, Thermistor)



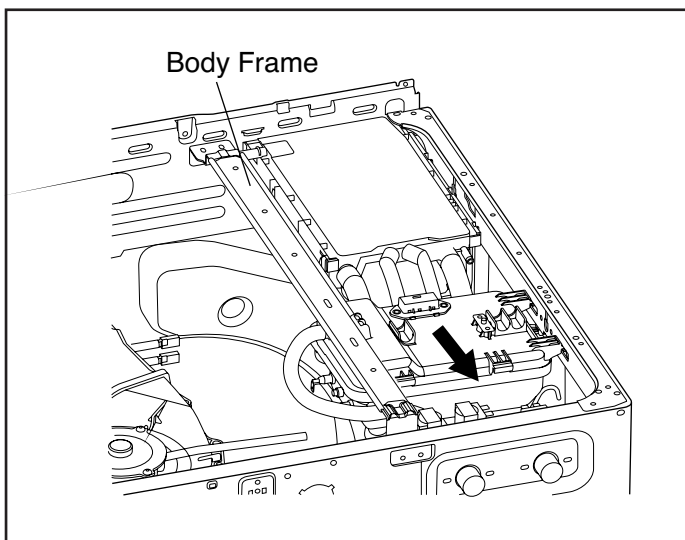
- ② Taking out the screw of the TSG and Body Frame.



③ Taking out the screws of Body Frame (2EA)



④ Separate the hoses from the TSG.



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

10. EXPLODED VIEW

10-1. CABINET & CONTROL PANEL ASSEMBLY

