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WASHING MACHINE SERVICE MANUAL

▲ CAUTION

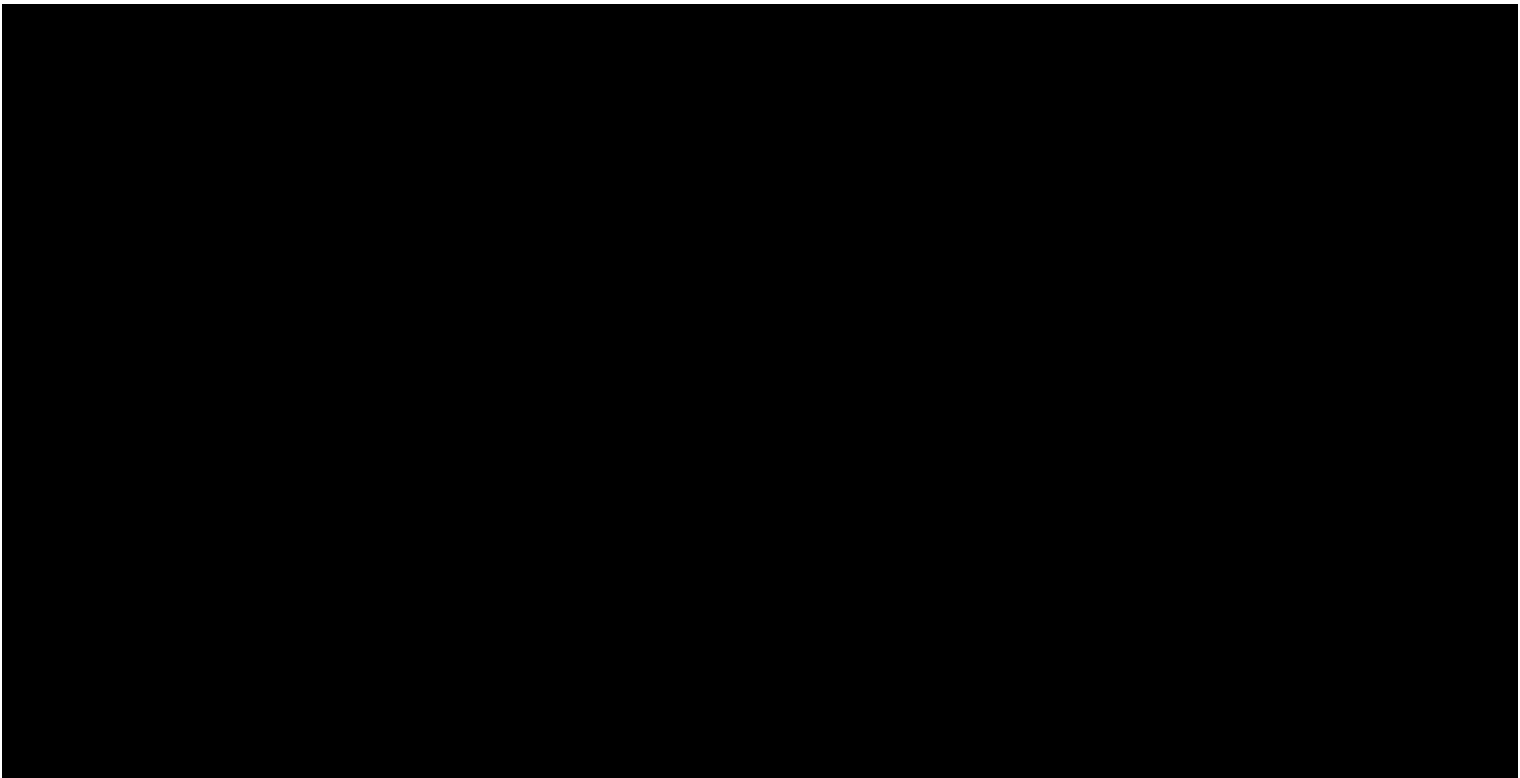
READ THIS MANUAL CAREFULLY TO DIAGNOSE TROUBLES
CORRECTLY BEFORE OFFERING SERVICE.

MODEL : WM0742H*A



SEP. 2007 PRINTED IN KOREA

P/No.: MFL30599116



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1. SPECIFICATION

ITEM		WM0742H+A
COLOR		W:BLUE WHITE, G:PEARLY GRAY
POWER SUPPLY		AC 120 V, 60 Hz
PRODUCT WEIGHT		192 lbs (87kg)
ELECTRICITY CONSUMPTION	WASHING	280 W
	DRAIN MOTOR	80 W
	WASH HEATER	1000 W
REVOLUTION SPEED	WASH	46 rpm
	SPIN	0-1200 rpm
Cycles		9
WASH/RINSE TEMPERATURES		5
SPIN SPEEDS		5
OPTIONS		PRE-WASH, STAIN CYCLE, STEAM, EXTRA RINSE, RINSE+SPIN, DELAY WASH
WATER CIRCULATION		Incorporated
OPERATION WATER PRESSURE		14.5-116 psi (100-800 kPa)
CONTROL TYPE		Electronic
WASH CAPACITY [cu.ft]		3.63 (4.2 IEC)
DIMENSIONS		27" (W) X 29 ^{3/4} " (D) X 38 ^{11/16} " (H), 50 ^{13/16} " (D, door open)
DELAY WASH		up to 19 hours
DOOR SWITCH TYPE		PTC + Solenoid
WATER LEVEL		10 steps (by sensor)
LAUNDRY LOAD SENSING		Incorporated
ERROR DIAGNOSIS		Incorporated
AUTO POWER OFF		Incorporated
CHILD LOCK		Incorporated
RLM ENABLE		-
STEAM		Incorporated

2. FEATURES & TECHNICAL EXPLANATION

2-1. FEATURES



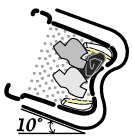
■ Ultra Capacity

The Larger drum enables not just higher head drop and stronger centrifugal force, but also less tangling and wrinkling of the laundry. Heavier loads, such as king size comforters, blankets, and curtains, can be washed.



■ Direct Drive System

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



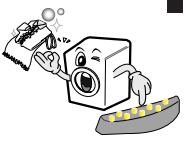
■ Tilted Drum and Extra Large Door Opening

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



■ Steam Washing and SteamFresh™

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



■ RollerJets

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



■ Automatic Wash Load Detection

Automatically detects the load and optimizes the washing time.



■ Built-in Heater

Internal heater helps to maintain water temperature at its optimum level for selected cycles.

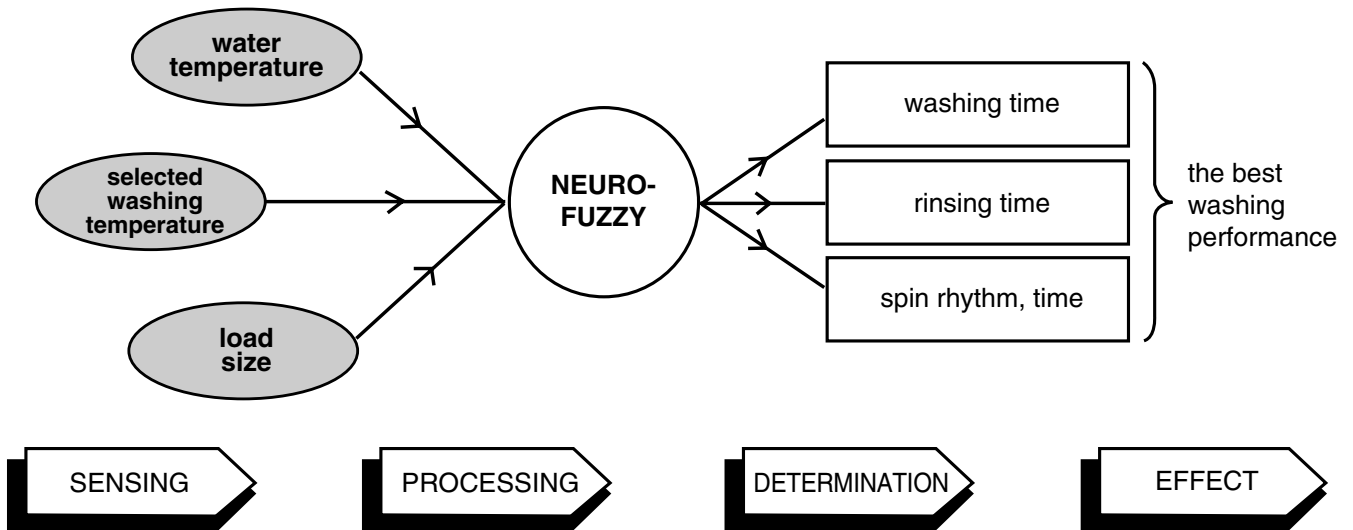


■ Child Lock

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

2-2. NEURO FUZZY WASHING TIME OPTIMIZATION

To get the best washing performance, optimal time is determined by the water temperature, the selected washing temperature, and the size of the load.



2-3. WATER LEVEL CONTROL

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

2-4. DOOR CONTROL

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

2-5. THE DOOR CAN NOT BE OPENED

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

2-6. DOOR LOCKED LAMP LIGHTS

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

2-7. CHILD LOCK

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

2-8. WATER CIRCULATION

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

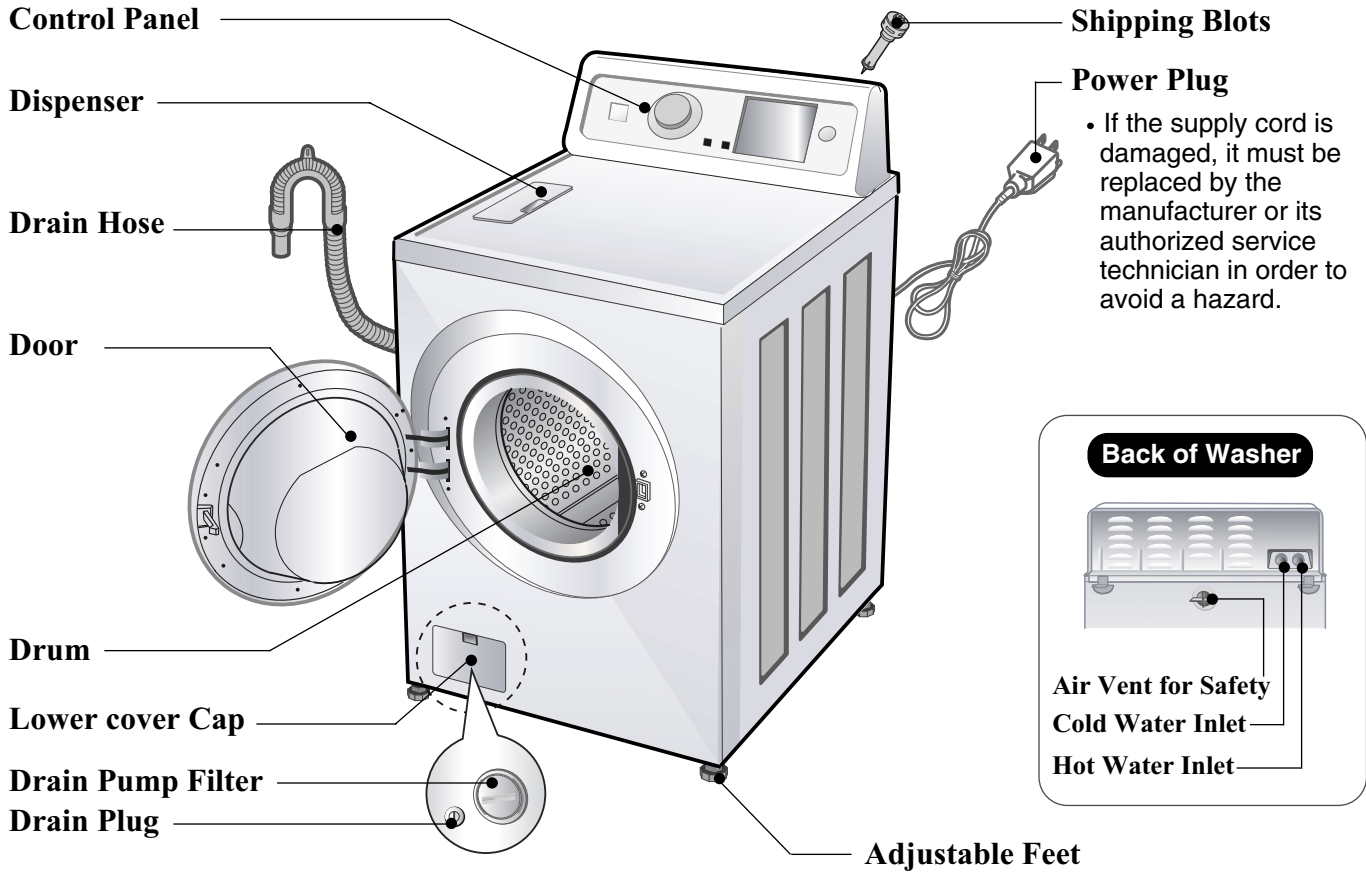
2-9. STEAM

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

2-10. DRUM LIGHT

- The Drum Light comes on when the Power button is pressed. It goes off when the door is closed and the washer starts operation.
- The Drum Light remains off when the door is locked.
- The Drum Light can be turned on while the washer is in operation by pressing the Rinse+Spin button for 3 seconds. The light will turn off automatically 4 minutes later.
- The Drum Light comes on when the washing cycle is finished and goes off 4 minutes later.

3. PARTS IDENTIFICATION



Included Accessories

Hot and Cold Water Hoses

Caps (4)
(for covering shipping bolt holes)

Wrench
(for removing shipping bolts and adjusting leveling feet)

Tie Strap
(for securing drain hose)

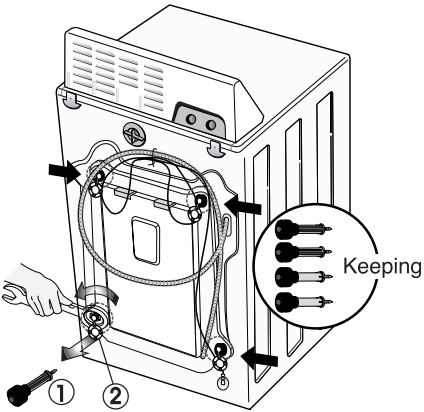
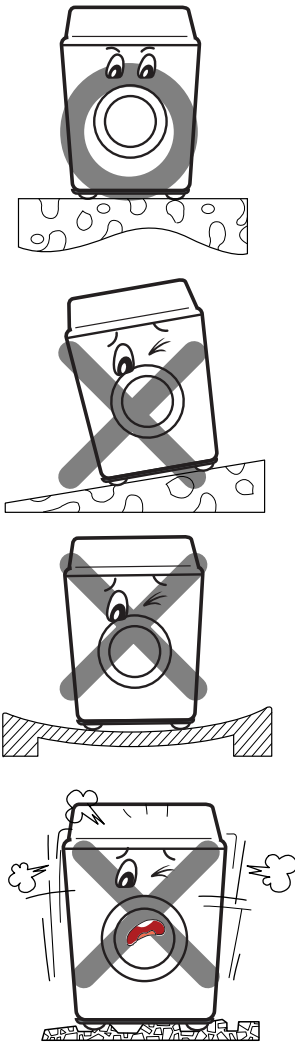
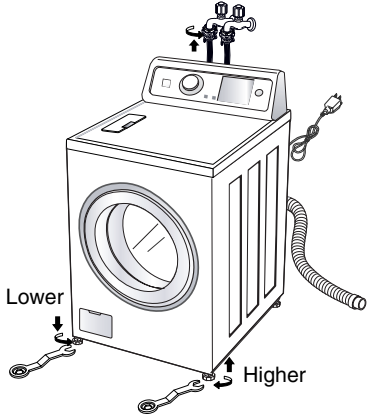
Elbow Bracket
(for securing drain hose)

4. INSTALLATION & TEST

- 1 Before servicing, ask the customer what the trouble is.
- 2 Check the setup (power supply is 120 V AC, remove the transit bolts...).
- 3 Check with the troubleshooting guide.
- 4 Plan your service method by referring to the disassembly instructions.
- 5 Service the unit.
- 6 After servicing, operate the appliance to see whether it functions correctly.

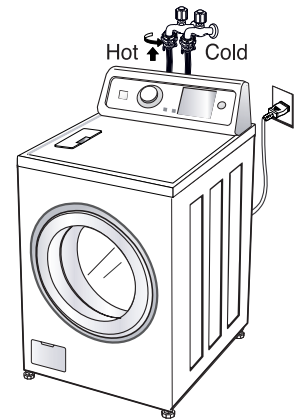
■ STANDARD INSTALLATION

The appliance should be installed as follows:

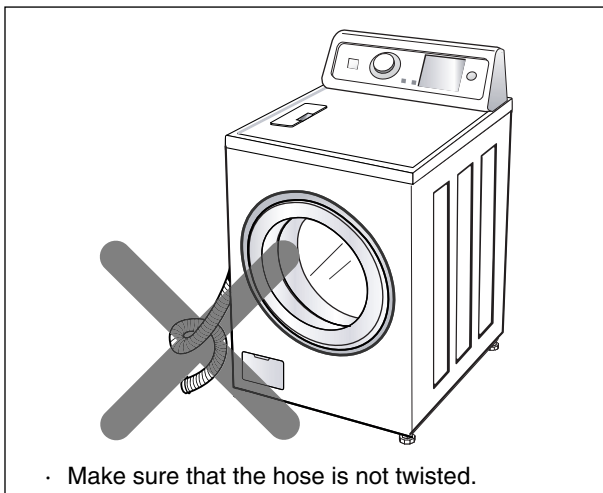
REMOVE THE SHIPPING BOLTS	INSTALL THE APPLIANCE ON A FLAT AND FIRM SURFACE	ADJUST THE LEVELING
<ul style="list-style-type: none"> • Remove the 4 shipping bolts with the supplied wrench. ※ Do first lower side to remove easily. • Keep the shipping bolts and spanner for future use. • Insert the 4 caps (provided) into the hole. 		<ul style="list-style-type: none"> • Turn the leveling feet to adjust the appliance.  <ul style="list-style-type: none"> • Turn clockwise to raise; counterclockwise to lower.

■ HOW TO CONNECT THE INLET HOSE

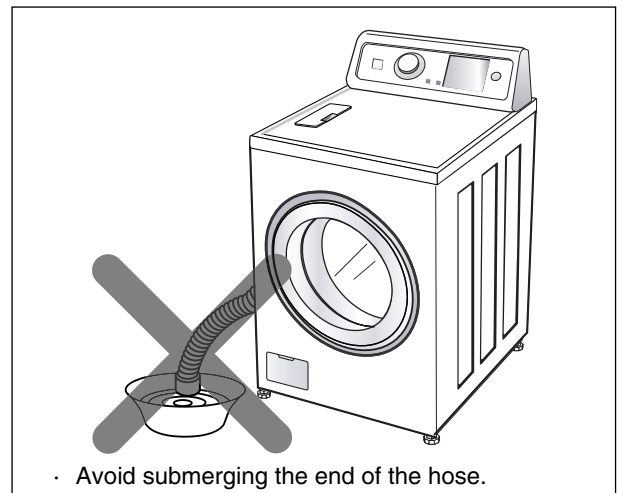
- Verify that the rubber washer is inside of the valve connector.
- Tighten the inlet hose securely to prevent leaks.



■ CONNECT DRAIN HOSE



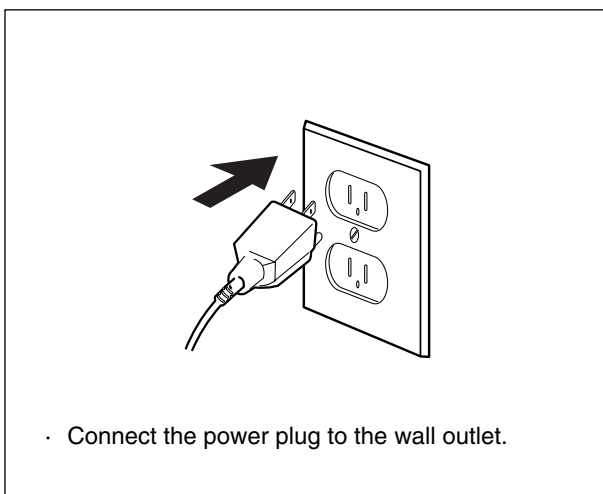
- Make sure that the hose is not twisted.



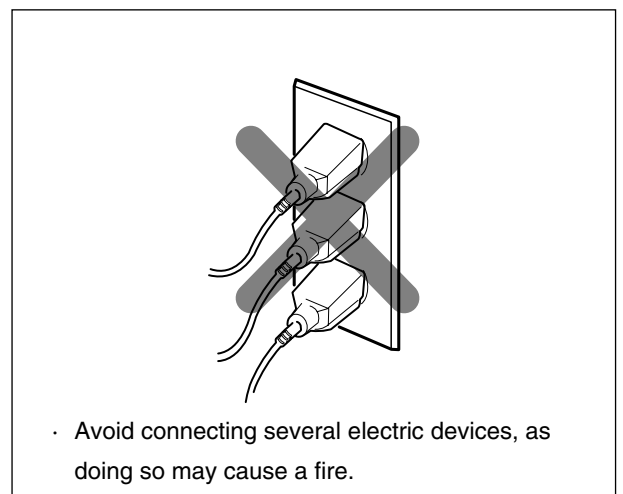
- Avoid submerging the end of the hose.

※ The end of the drain hose should be placed less than 96° from the floor.

■ CONNECT POWER PLUG

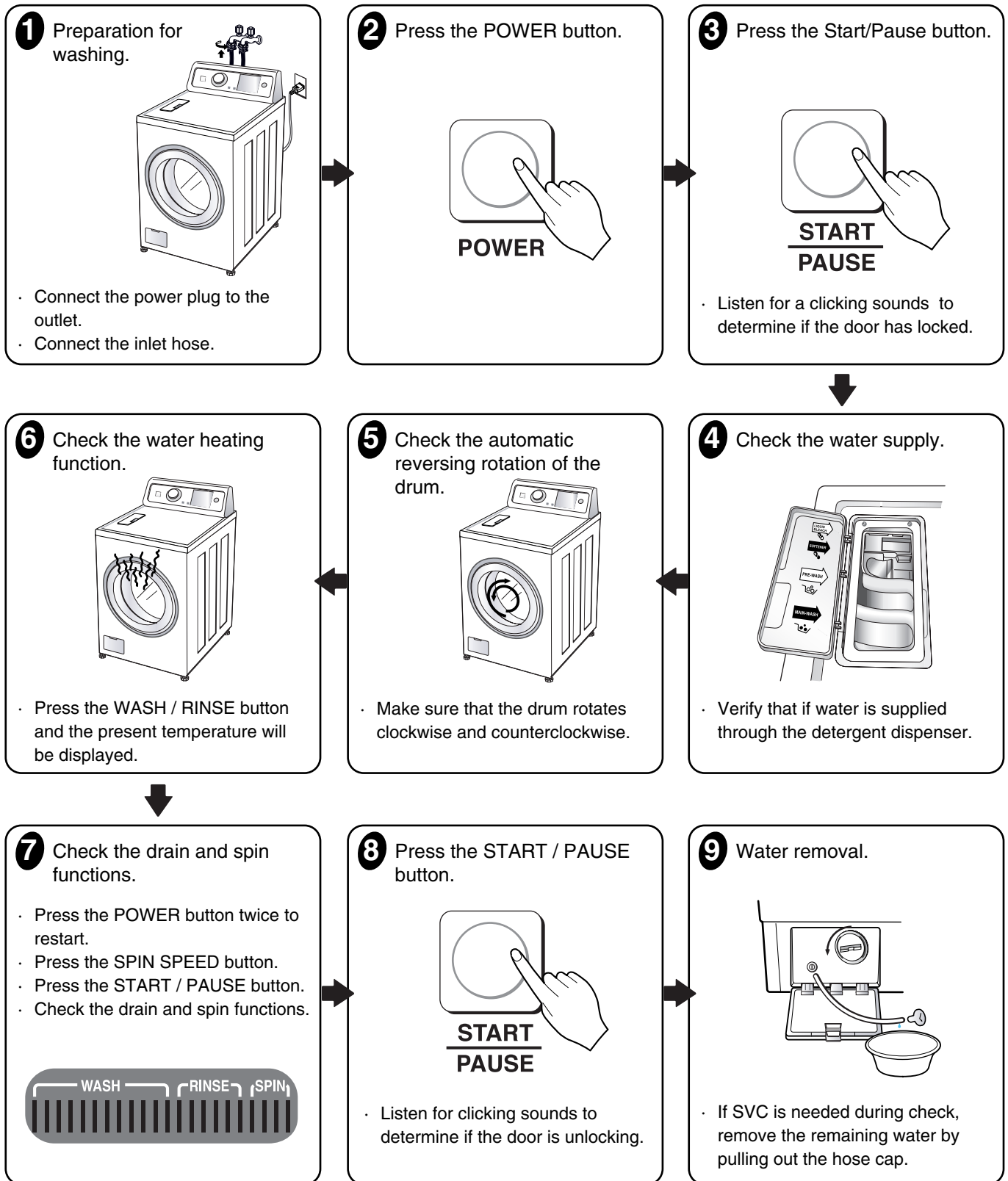


- Connect the power plug to the wall outlet.



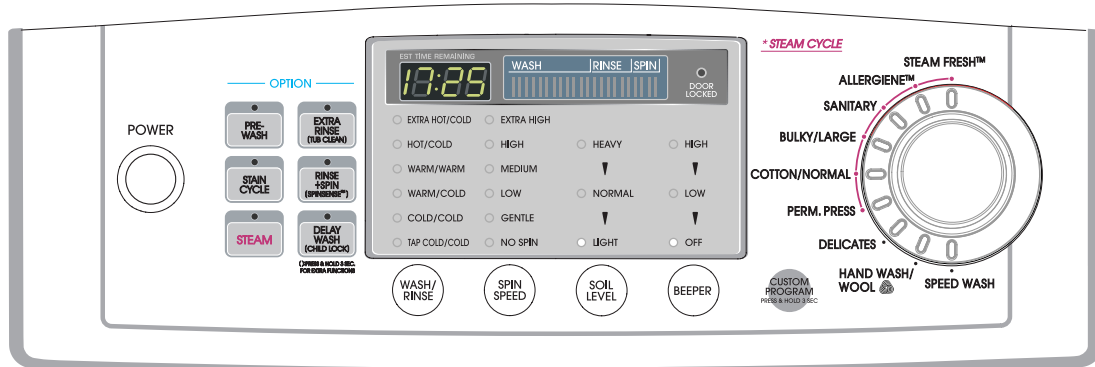
- Avoid connecting several electric devices, as doing so may cause a fire.

7 TEST OPERATION



5. OPERATION

■ WM0742H*A



Power Button

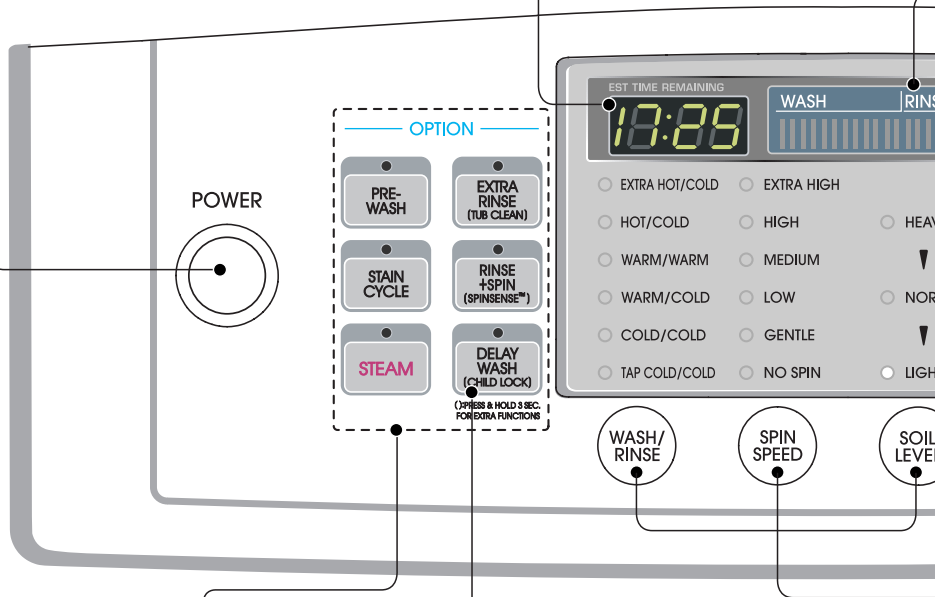
- Use this button to turn the power **On/Off**.

EST.TIME REMANING

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

START/PAUSE button

- Use this button to Start/stop the washer.



OPTION button

- Select a water temperature based on the type of load you are washing.
- To change the spin speed, select the **Spin Speed** button until the desired setting is displayed.
- To change the soil level, select the **Soil Level** button until the desired setting is displayed.

CHILD LOCK

- Use this option to prevent unwanted use of the washer. Press and hold Quick Cycle and Delay Wash button for 3 seconds to lock / unlock control.
- When Child lock is set, 'L' blinks and all buttons are disabled but the Power button. You can thereby lock the washer while it is operating.

STATUS INDICATOR

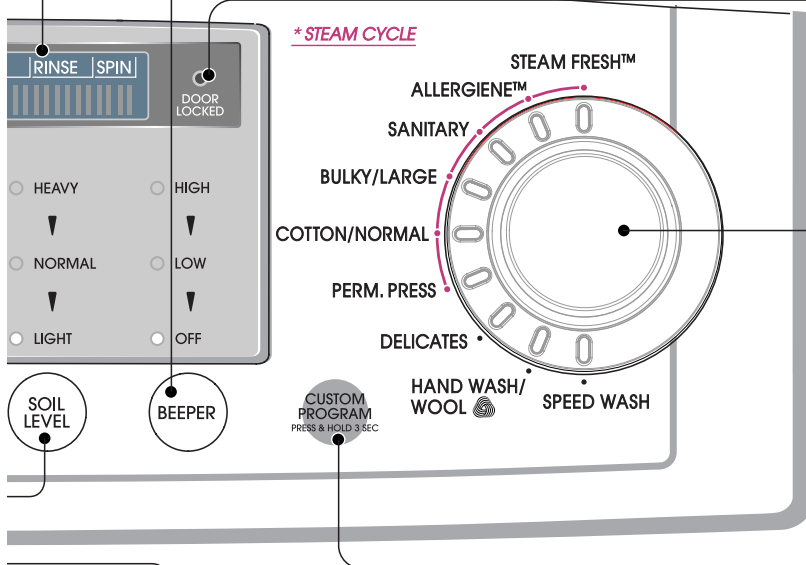
- These lights show elapsed time of the selected cycle.

BEEPER button

- Choose **High/Low/Off**.

DOOR LOCKED lamp

- Lights whenever the door is locked.
- The door can be unlocked by pressing the **Start/Pause** button to stop the washer.



CYCLE SELECTOR knob

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

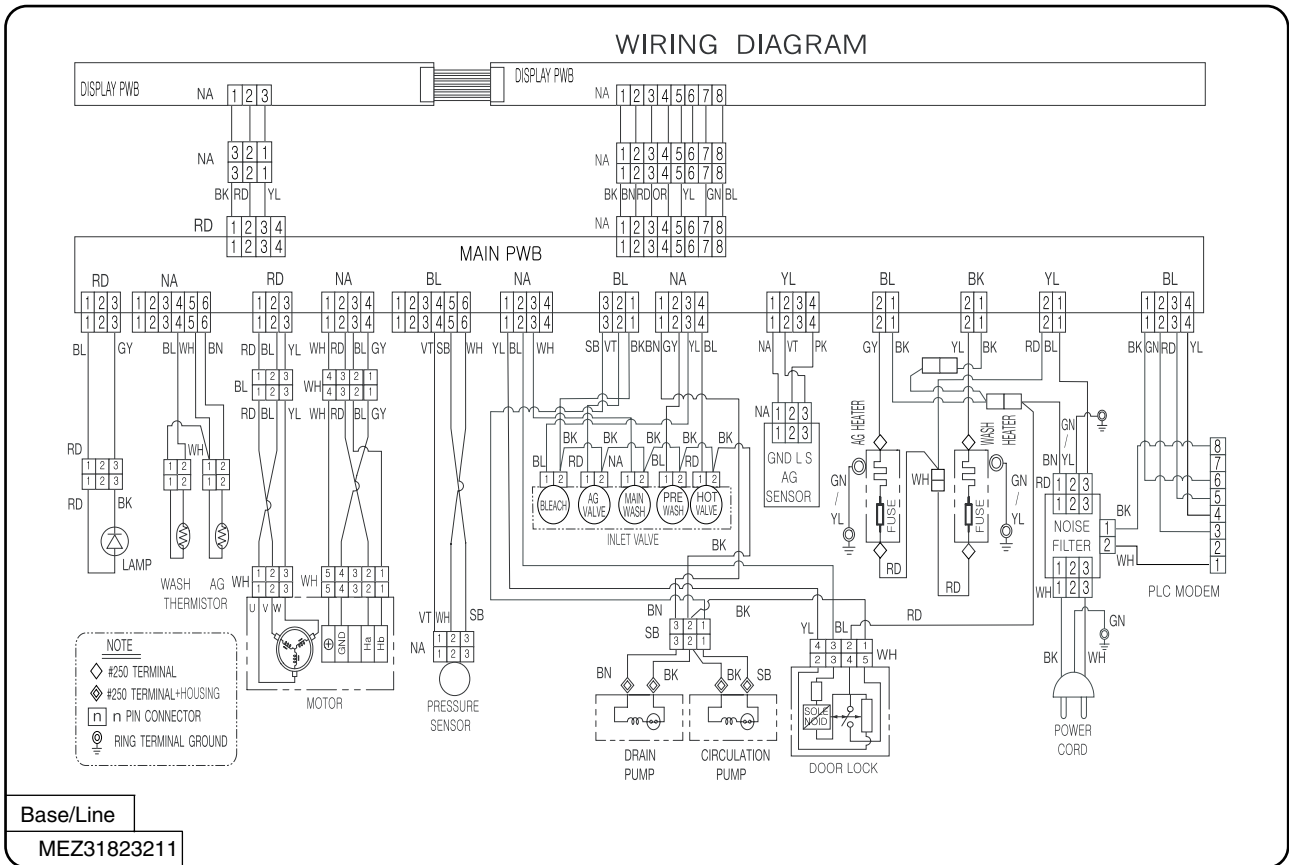
WASH/RINSE temp. SPIN SPEED, SOIL LEVEL button

- **Prewash:** Use this option for loads that need pretreatment. It adds 16 minutes prewash and drain.
- **Stain Cycle:** Adds time to the wash and rinse cycles for better stain removal. Automatically provides a rinse.
- **Extra Rinse :** This option provides an additional rinse cycle.
- **Rinse+Spin :** Use this option to rinse and then spin.
- **Delay Wash :** Allows the start of any cycle to be delayed for 1~19(12, 9) hours.

CUSTOM PROGRAM button

- Allows you to store a customized wash cycle for future use.
- To create a **Custom Program :**
 - 1) Select a cycle.
 - 2) Select the other desired **Wash / Rinse Temp., Spin Speed, Soil Level.**
 - 3) Select the desired Options.
 - 4) Press and hold the Custom Program button for 3 seconds (2 beep sounds).
 - 5) Press the **Start/Pause** button.The Custom Program is now stored for future use.
- To reuse the program, select **Custom Program** and press **Start/Pause**.

6. WIRING DIAGRAM/PROGRAM CHART



PROGRAM CHART

* Water Supply: W-S

* Intermittent Spin: I-S

* Disentangle: D-T

CYCLE STEP Time (SEC)	Wash				Rinse												Steam	Spin			A U T O O F E N D	**Approx. Working Time (Minutes)									
	Pre		Main		Normal				Extra or Stain				Extra & Stain					Drain	Spin	D-T											
	W-S	Wash	Drain	I-S	W-S	Wash	Cool-down	1	2	3	3	3	3	3	3																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16							17	18	19	20	21	22	23	24	25
60	*	60	300	60	*	60	60	60	60	360	60	240	60	360	60	240	60	300	60	240	60	300	60	240	60	360 ~ 660	60 ~ 180	20	20		
Sanitary		8				67		1 TIME																							105
Cotton /Normal		8				20																									58
Bulky /Large		8				25																									57
Perm Press		8				18																									55
Delicates		8				14																									34
Baby Wear						70																									120
Hand Wash /Wool						14																									34
Speed Wash						8						120				120															30
Drain+Spin																															14
Wash + Rinse		8				19																									45
Rinse + Spin																															19

— Basic Cycle
 — Optional Cycle
 Pre-Setting Time : Water Supply - 60 sec.
 Drain - 60 sec.

* Wash time is in minutes.

** The total working time will vary with the load size, water temperature and ambient temperature.



7. TROUBLESHOOTING


7-1. BEFORE PERFORMING SERVICE

- Be careful of electric shock when disconnecting parts while troubleshooting.
- The voltage of each terminal is 120 V AC and DC when the unit is plugged in.

7-2. QC TEST MODE

The washer must be empty and the controls must be in the off state.

1. Pressing SPIN SPEED and SOILL LEVEL button simultaneously.
2. Press the Power  button, while the above condition. Then buzzer will sound twice.
3. Press the Start/Pause  button repeatedly to cycle through the test modes.

Number of times the Start/Pause button is pressed	Check Point	Display Status
None	Turns on all lamps and locks the door.	
1 time	Tumble clockwise.	rpm (42~50)
2 times	Low speed Spin.	rpm (55~65)
3 times	High speed Spin.	rpm (125~135)
4 times	Inlet valve for prewash turns on.	Water level frequency (25~65)
5 times	Inlet valve for main wash turns on.	Water level frequency (25~65)
6 times	Inlet valve for hot water turns on.	Water level frequency (25~65)
7 times	Inlet valve for steam turns on.	Water level frequency (25~65)
8 times	Inlet valve for bleach turns on.	Water level frequency (25~65)
9 times	Tumble counterclockwise.	rpm (42~50)
10 times	Heater turns on for 3 sec.	Water temperature
11 times	Circulation pump turns on.	Water level frequency (25~65)
12 times	Drain pump turns on.	Water level frequency (25~65)
13 times	Water level Sensor for Steam	Water level frequency of TSG (0~255)
14 times	Steam Heater turns on for 1.2 sec.	TSG temperature
15 times	Off	-

7-3. HOW TO CHECK THE WATER LEVEL FREQUENCY

- * Press the WASH/RINSE and DELAY WASH button simultaneously.













The digits indicate the water level frequency (x. 1 kHz).

So, for example a display indicating 241: a Water level frequency of 241 x.1 kHz
= 24.1 kHz

7-5. ERROR DISPLAY

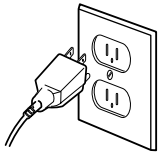
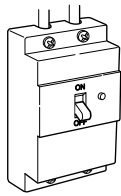
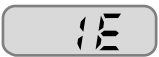

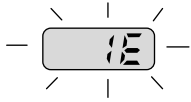



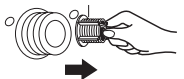
- If you press the START/PAUSE button when an error is displayed, any error except 『PE』 will disappear and the machine will go into the pause status.
- In case of 『PE』, 『LE』, 『dE』 if the error is not resolved within 20 sec., or the in case of other errors, if the error is not resolved within 4 min., power will be turned off automatically and the error code will blink. But in the case of 『FE』, power will not be turned off.







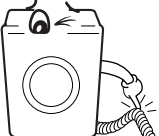
	ERROR	SYMPTOM	CAUSE
1	WATER INLET ERROR		<ul style="list-style-type: none"> • Correct water level (246) is not reached within 8 minutes after water is supplied or it does not reach the preset water level within 25 minutes.
2	IMBALANCE ERROR		<ul style="list-style-type: none"> • The load is too small. • The appliance is tilted. • Laundry is gathered to one side. • Non distributable things are put into the drum.
3	DRAIN ERROR		<ul style="list-style-type: none"> • Not fully drained within 10 minutes.
4	OVER FLOW ERROR		<ul style="list-style-type: none"> • Water is overflowing (water level frequency is over 213). ※ If 『FE』 is displayed, the drain pump will operate to drain the water automatically.
5	PRESSURE SENSOR ERROR		<ul style="list-style-type: none"> • The SENSOR SWITCH ASSEMBLY is out of order.
6	DOOR OPEN ERROR		<ul style="list-style-type: none"> • Door not all the way closed. • Loose electrical connections at Door switch and PWB Assembly. • The DOOR SWITCH ASSEMBLY is out of order.
7	HEATING ERROR		<ul style="list-style-type: none"> • The THERMISTOR is out order.


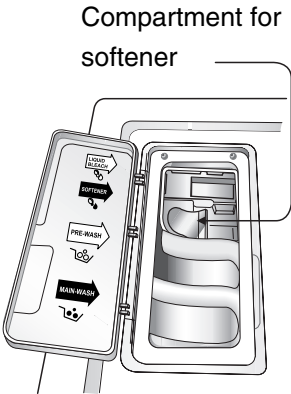
	ERROR	SYMPTOM	CAUSE
8	LOCKED MOTOR ERROR		<ul style="list-style-type: none"> • The connector (3-pin, male, white) in the MOTOR HARNESS is not connected to the connector (3-pin, female, white) of STATOR ASSEMBLY. • The electric contact between the connectors (3-pin, male, white) in the MOTOR HARNESS and 4-pin, female, white connector in the MAIN PWB ASSEMBLY is bad or unstable. • The MOTOR HARNESS between the STATOR ASSEMBLY and MAIN PWB ASSEMBLY is cut (open circuited). • The hall sensor is out of order/defective.
9	EEPROM ERROR		<ul style="list-style-type: none"> • EEPROM is out of order. ※ Displayed only when the START/PAUSE button is first pressed in the QC Test Mode.
10	POWER FAILURE		<ul style="list-style-type: none"> • The washer experienced a power failure.

8. ERROR DIAGNOSIS AND CHECK LIST

8-1. DIAGNOSIS AND SOLUTION FOR ABNORMAL OPERATION

SYMPTOM	GUIDE FOR SERVICE CALL
<p>No power</p>	<div style="display: flex; justify-content: space-between;"> <div style="width: 65%;"> <p>Is the power plug connected firmly to 120 V AC outlet?</p> <p style="text-align: center;">YES</p> <p>Power failure? or Breaker opened? Is the outlet controlled by a switch?</p> <p style="text-align: center;">NO</p> <p style="text-align: center;">Visit to service</p> </div> <div style="width: 30%;">   </div> </div>
<p>Water inlet trouble</p> 	<div style="display: flex; justify-content: space-between;"> <div style="width: 65%;"> <p>Is  displayed?</p> <p style="text-align: center;">YES</p> <p>Is the tap opened?</p> <p style="text-align: center;">YES</p> <p>Is the tap frozen?</p> <p style="text-align: center;">NO</p> <p>Is the water supply shut-off?</p> <p style="text-align: center;">NO</p> <p>Is filter in the inlet valve clogged with foreign material?</p> <p style="text-align: center;">NO</p> <p style="text-align: center;">Visit to service</p> </div> <div style="width: 30%;">     <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;">Clean the filter of inlet valve.</p>  </div> </div> </div>

SYMPTOM	GUIDE FOR SERVICE CALL
<p>Door error</p> 	<div style="text-align: center;"> <p>Started with door opened? YES →</p>  <p>Close the door.</p>  </div> <div style="text-align: center; margin-top: 20px;"> <p>NO ↓</p> <p>Was the load too large?</p> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 40%; text-align: center;"> <p>NO ↓</p> </div> <div style="width: 10%; text-align: center;"> <p>YES →</p> </div> <div style="width: 45%; border: 1px solid black; padding: 5px;"> <p>Avoid overloading.</p> </div> </div> </div> <div style="text-align: center; margin-top: 20px;"> <p>NO ↓</p> <p>Clicking sound is heard once or twice, when the START/PAUSE button is pressed to start the cycle?</p> <p>NO ↓</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: 0 auto;"> <p>Visit to service.</p> </div> <p>Check if the door switch is OK.</p> </div>
<p>Drain trouble</p> 	<div style="text-align: center;"> <p>Is  displayed?</p> <p>YES ↓</p> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 20px;"> <div style="width: 60%; text-align: center;"> <p>Is the drain pump filter clogged with foreign material such as pins, coins, etc?</p> <p>NO ↓</p> </div> <div style="width: 10%; text-align: center;"> <p>YES →</p> </div> <div style="width: 25%; border: 1px solid black; padding: 5px;"> <p>Clean up the filter</p>  </div> </div> <div style="text-align: center; margin-top: 20px;"> <p>NO ↓</p> <p>Is the drain hose frozen, kinked, or crushed?</p> <p>NO ↓</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: 0 auto;"> <p>Visit to service.</p> </div>  </div>

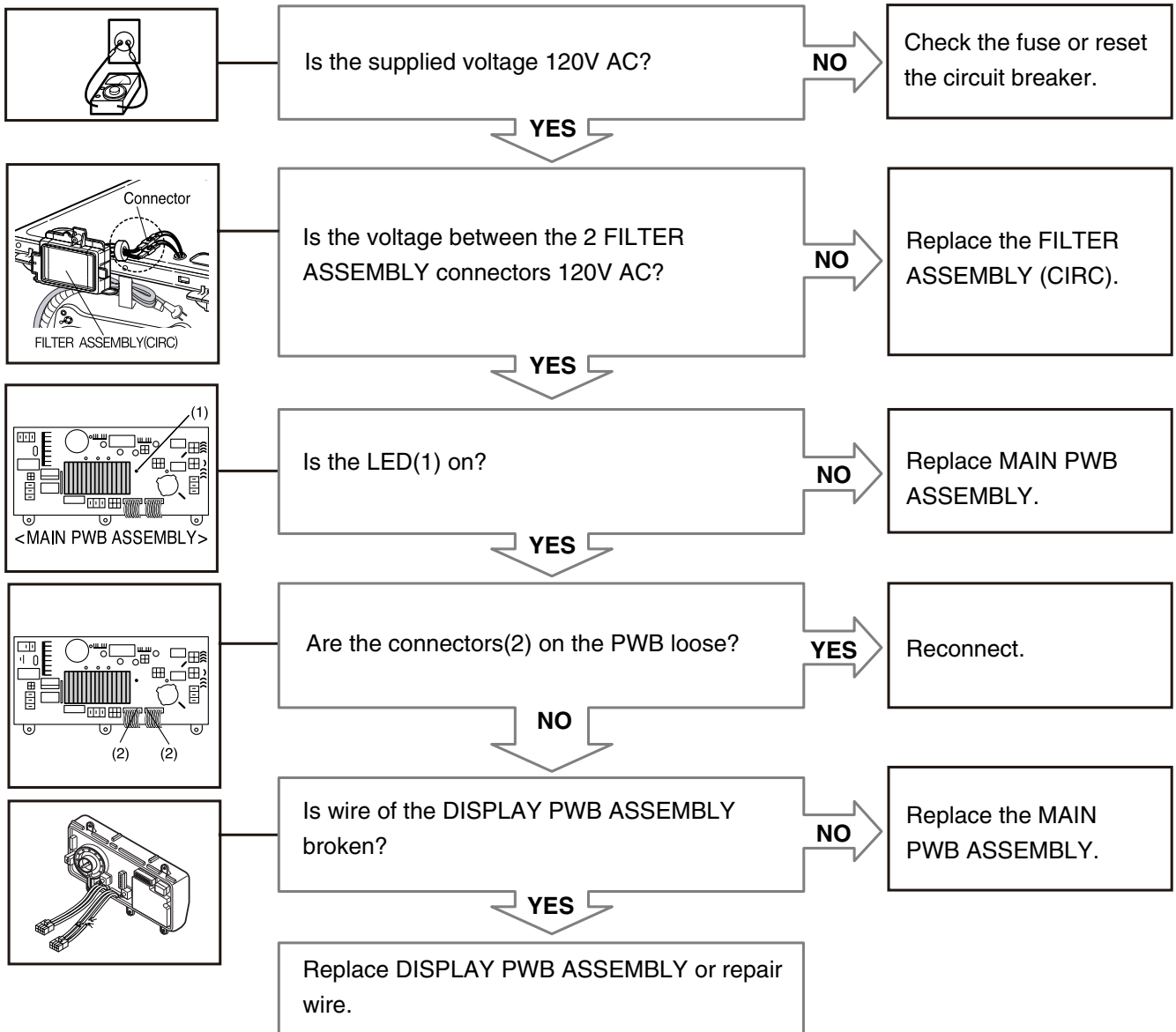
SYMPTOM	GUIDE FOR SERVICE CALL
<p>Suds overflow from the appliance. (In this condition, wash and spin do not operate normally)</p>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 60%;"> <p>Is a HE(High Efficiency) detergent used?</p> <p style="text-align: center;">YES</p> <p>Is the proper amount of detergent used as recommended?</p> <p style="text-align: center;">YES</p> <p style="text-align: center;">Recommend to reduce the amount of detergent.</p> <ul style="list-style-type: none"> * This appliance has an automatic suds sensing function which prevent overflow. * When excessive suds are sensed, the suds removing implementations such as drain, water input, pause will operate, without rotating the drum. </div> <div style="width: 35%; text-align: center;">  </div> </div>
<p>No softening effect</p>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 60%;"> <p>Is softener put in the correct compartment of the dispenser?</p> <p style="text-align: center;">YES</p> <p>Is the softener cap clogged?</p> <p style="text-align: center;">YES</p> <p style="text-align: center;">Explain proper use of softener.</p> <p style="text-align: center;">Clean the compartment for softener</p> </div> <div style="width: 35%; text-align: center;">  </div> </div>
<div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; margin: 2px;">FE</div> <div style="border: 1px solid black; padding: 2px; margin: 2px;">FE</div> <div style="border: 1px solid black; padding: 2px; margin: 2px;">LE</div> <div style="border: 1px solid black; padding: 2px; margin: 2px;">LE</div> </div>	<p style="text-align: center;">Visit to service.</p>

8-2. FAULT DIAGNOSIS AND TROUBLESHOOTING

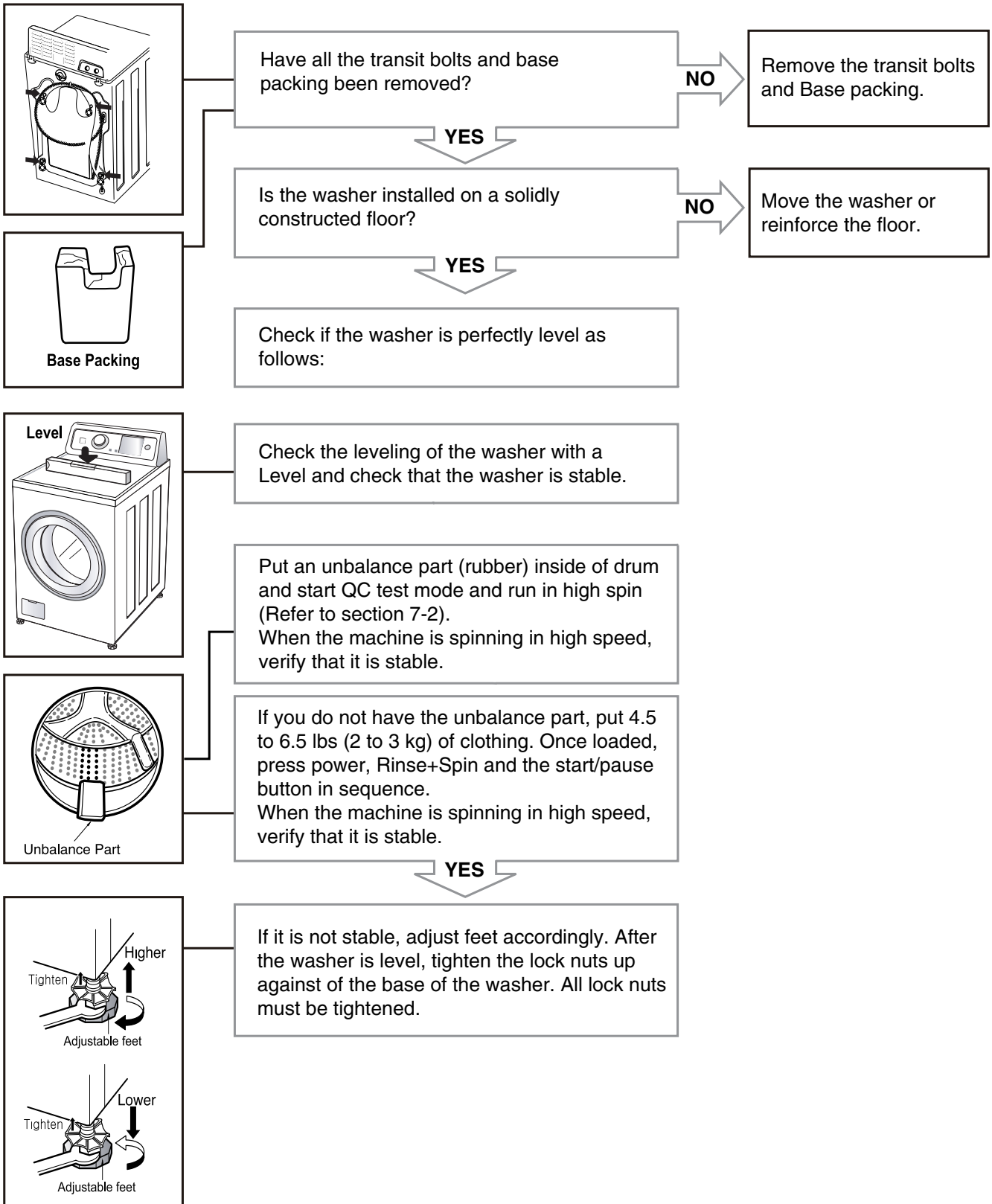
⚠ CAUTION

1. Be careful of electric shock if disconnecting parts while troubleshooting.
2. First of all, check the connection of each electrical terminal with the wiring diagram.
3. If you replace the MAIN PWB ASSEMBLY, reinsert the connectors correctly.

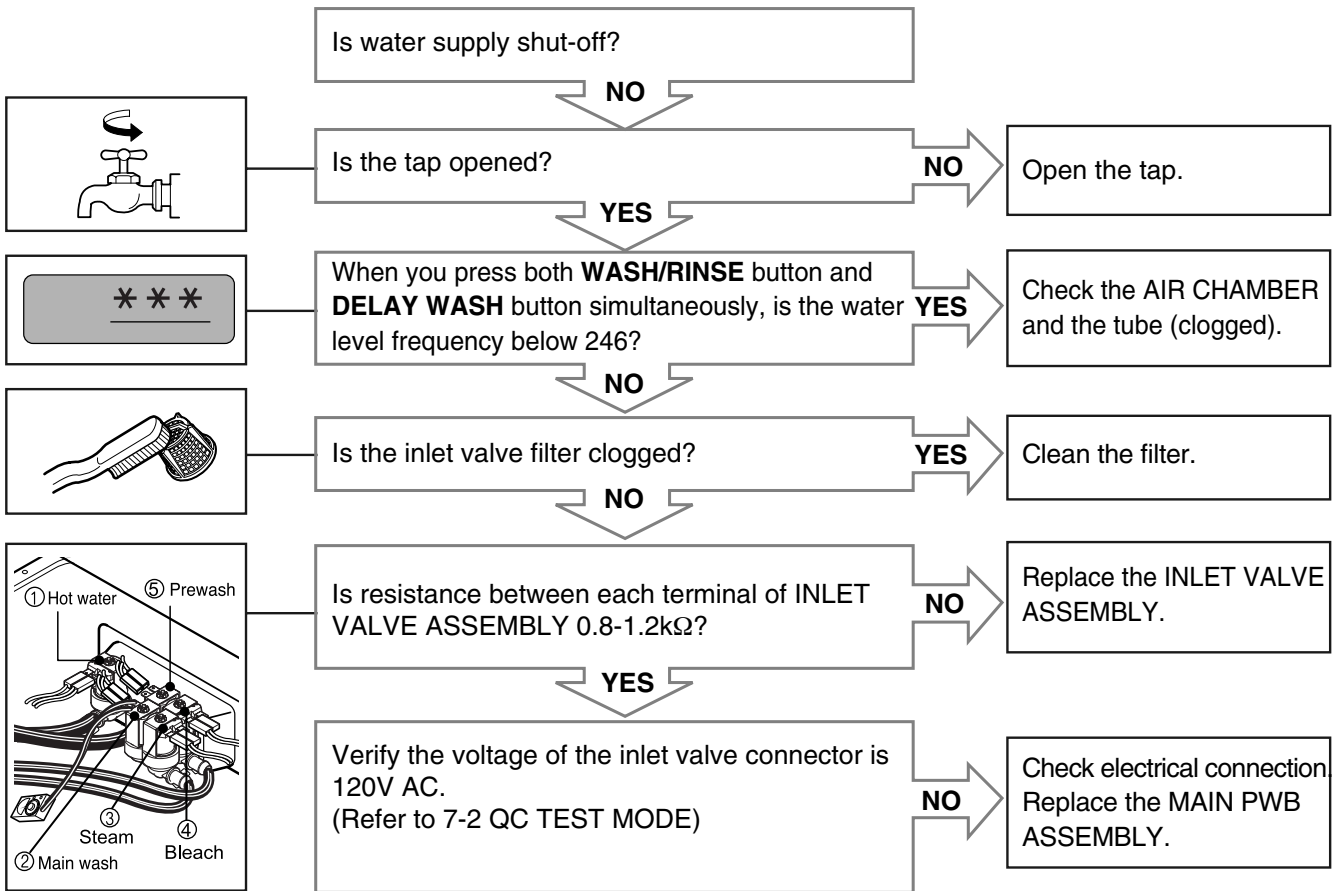
NO POWER



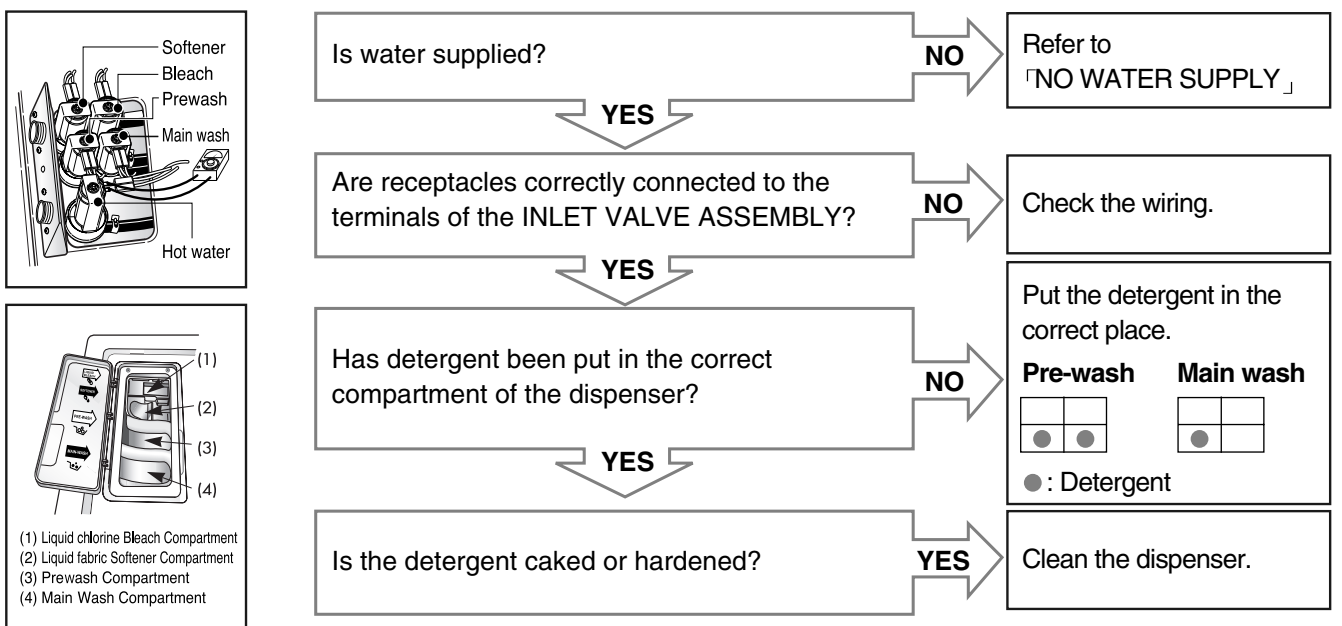
VIBRATION & NOISE IN SPIN



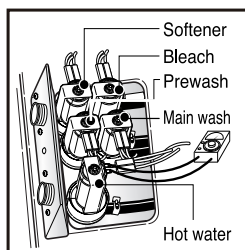
NO WATER SUPPLY



DETERGENT DOES NOT FLOW IN



LIQUID DETERGENT/SOFTENER/BLEACH DOES NOT FLOW IN



Is water supplied?

YES

NO

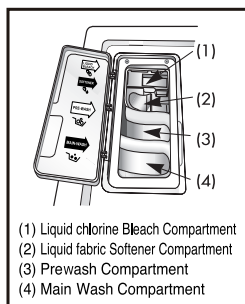
Refer to 「NO WATER SUPPLY」

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

YES

NO

Check the wiring on the dispenser.

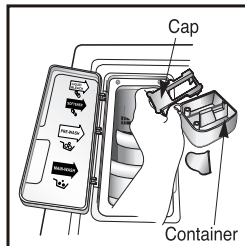


Is liquid detergent/softener/bleach put in the correct compartment of the drawer?

YES

NO

Put it in the correct compartment.

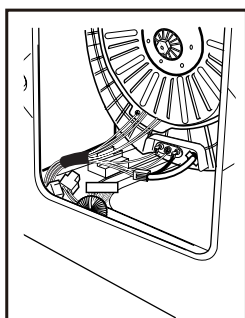


Is the liquid detergent/softener/bleach cap clogged?

YES

Clean the Cap and Container.

ABNORMAL SOUND



Is the motor bolt loosened?

NO

YES

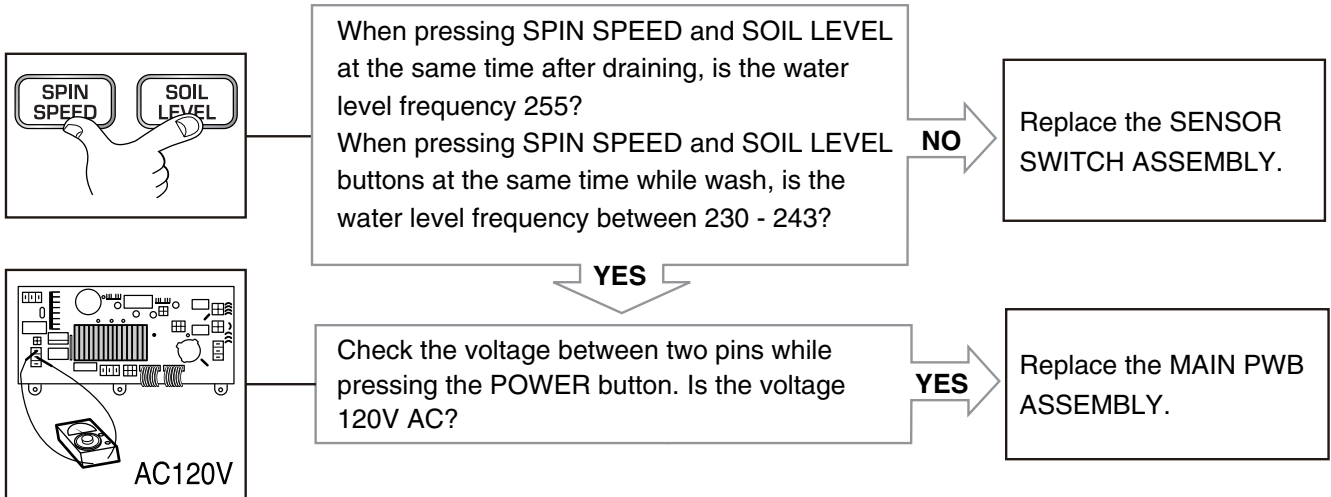
Secure the bolt.

Is there friction noise coming from the motor?

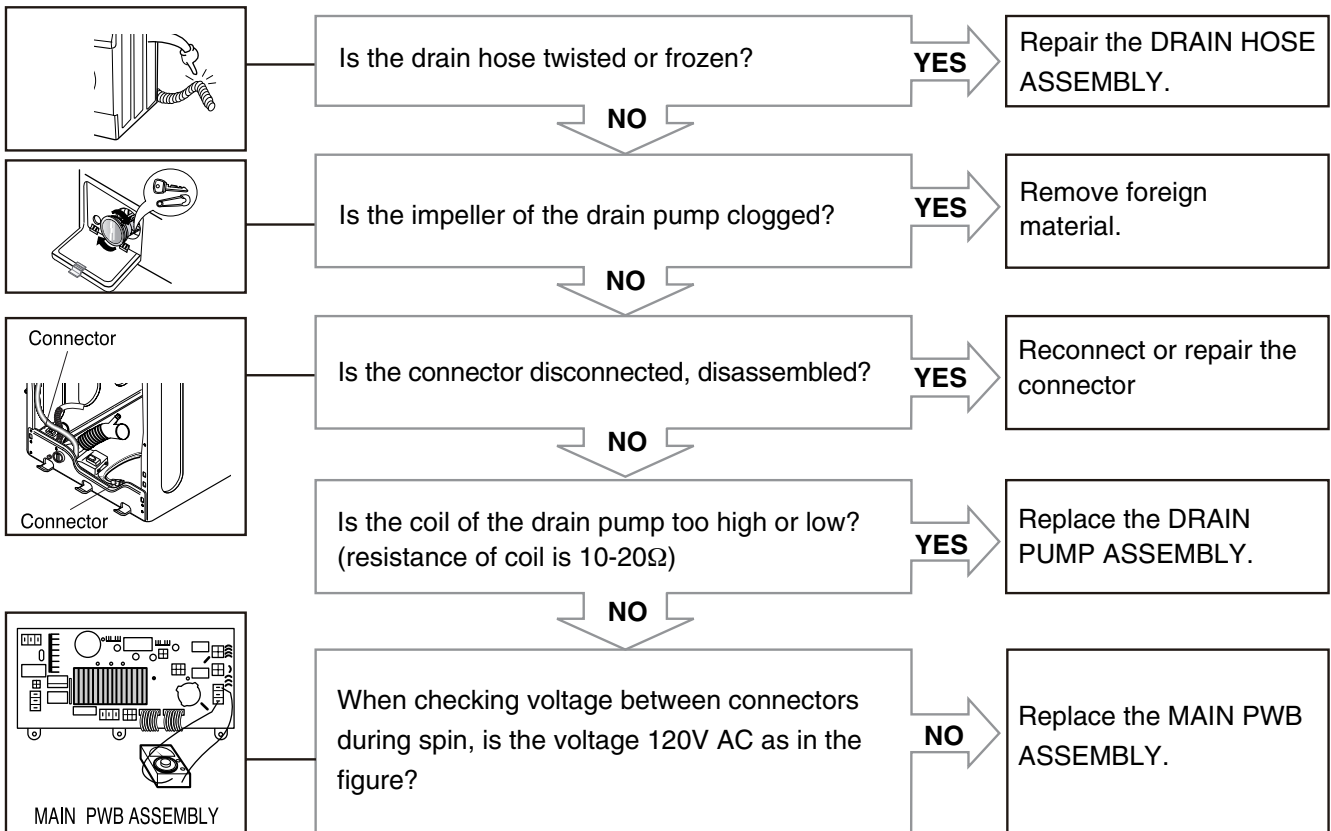
YES

Replace the STATOR ASSEMBLY or ROTOR ASSEMBLY.

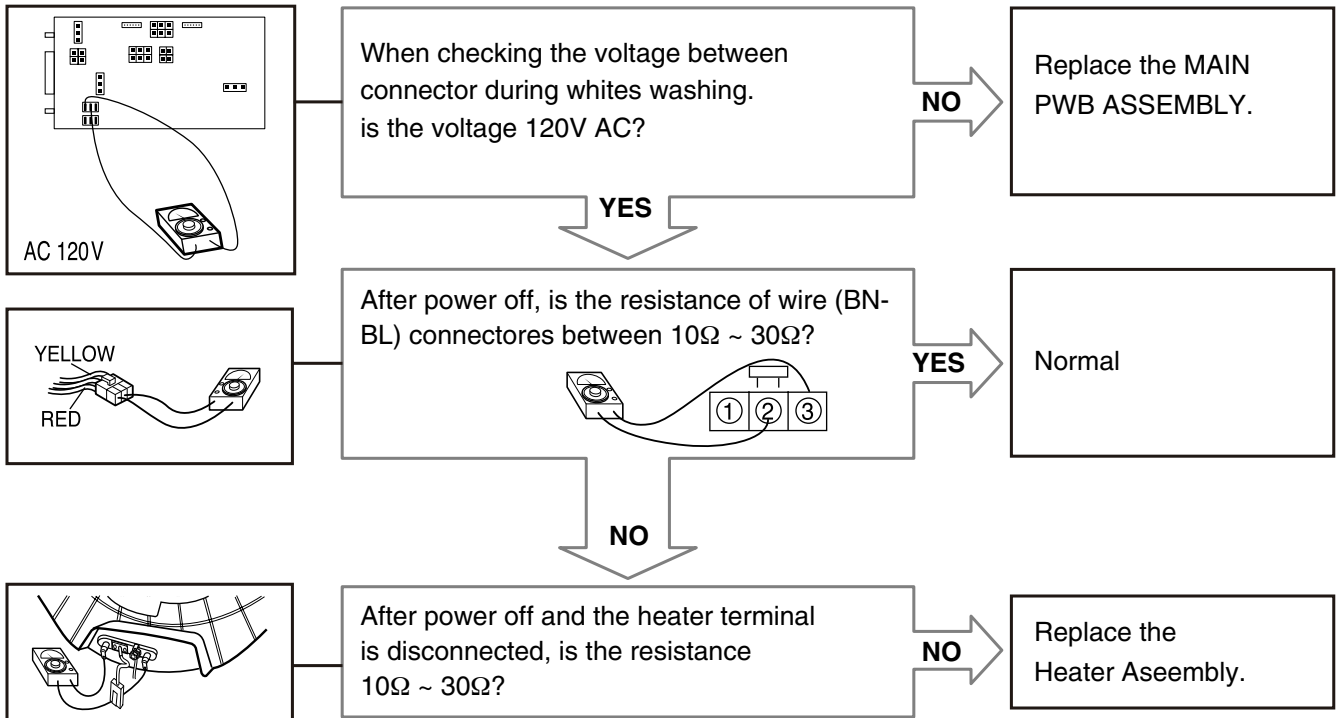
HEATING WITHOUT WATER



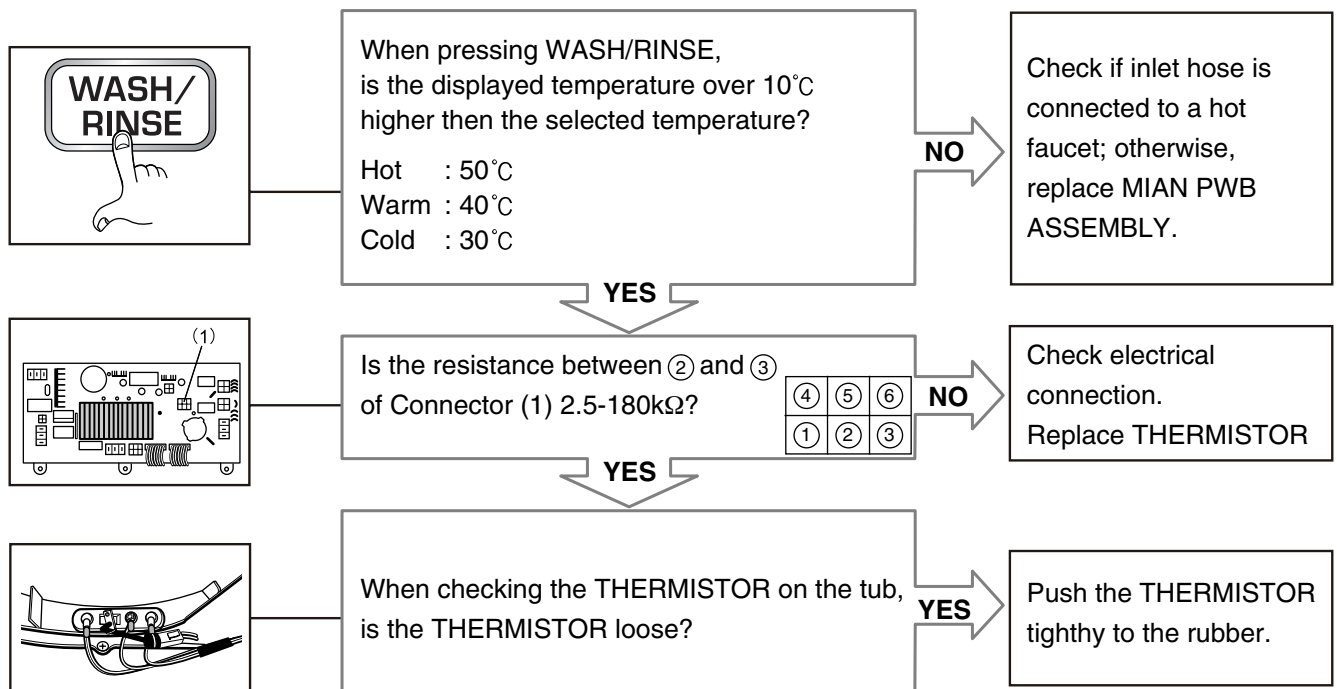
DRAIN MALFUNCTION



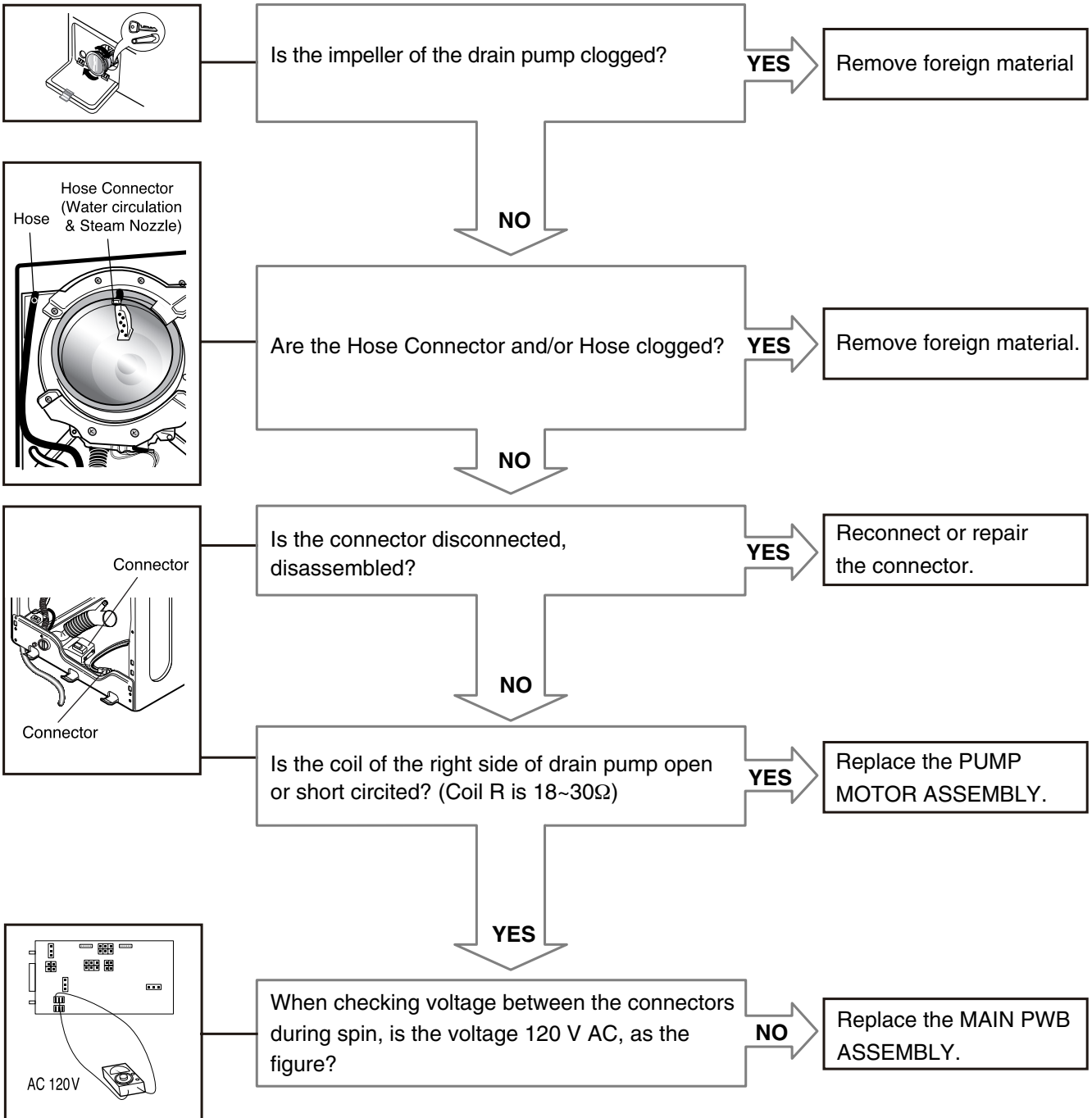
WASH HEATER TROUBLE



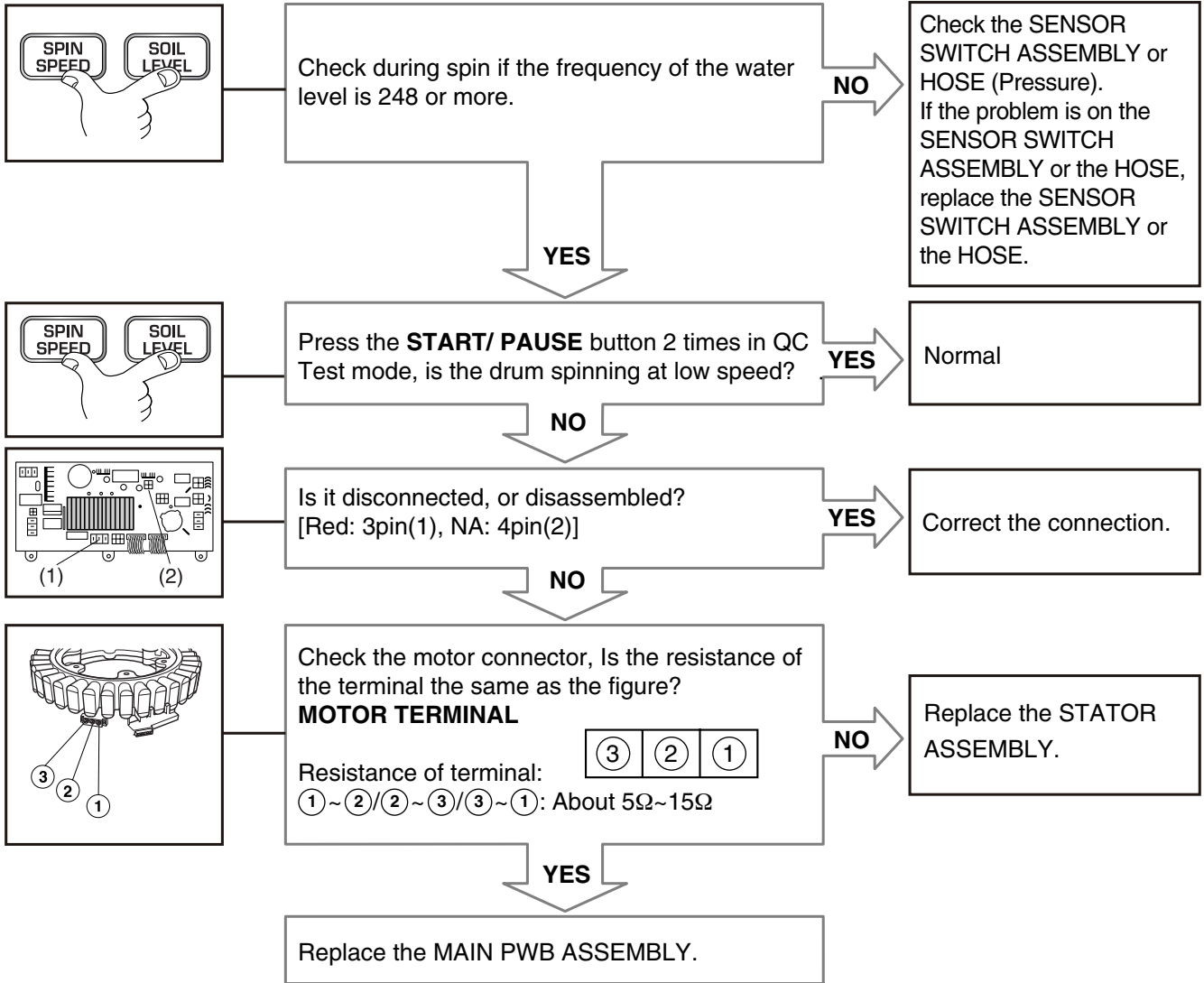
HEATING CONTINUOUSLY ABOVE THE SETTING WATER TEMPERATURE



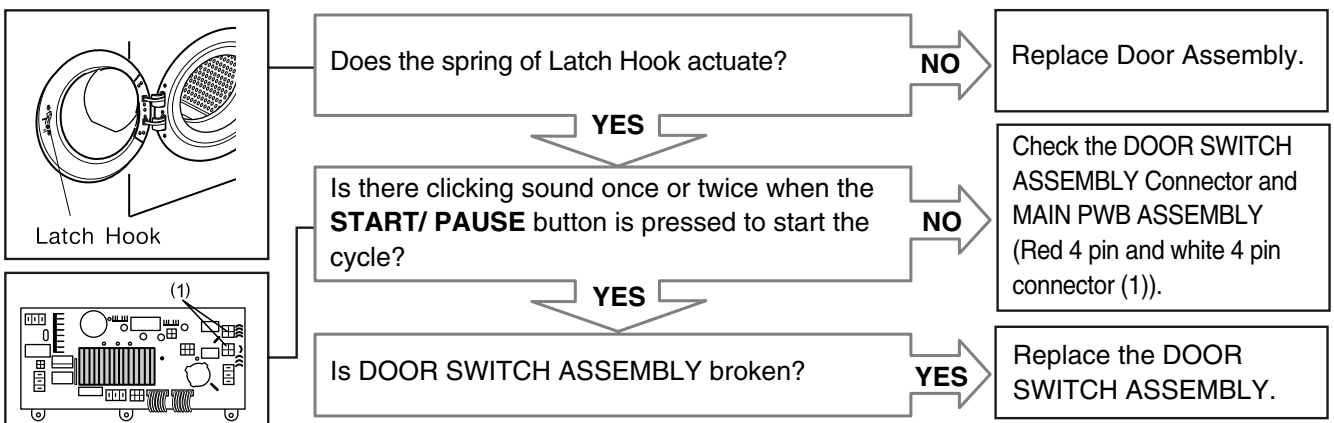
WILL NOT CIRCULATE WATER



SPIN TROUBLE



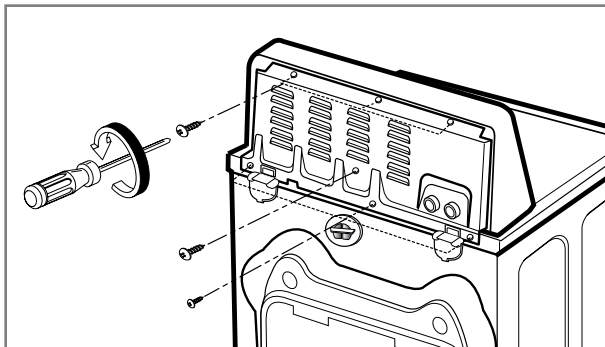
dE ERROR



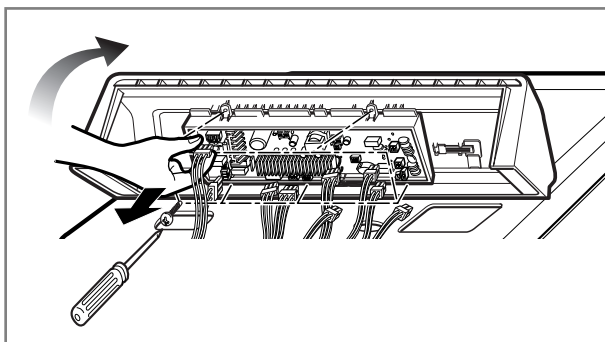
9. DISASSEMBLY INSTRUCTIONS

* Disassemble and repair the unit only after pulling out power plug from the outlet.

CONTROL PANEL ASSEMBLY

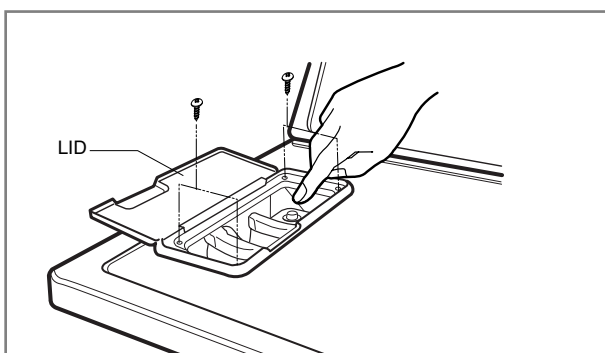


1. Unscrew 7 screws on the Rear Frame.
2. Disassemble the Rear Frame.

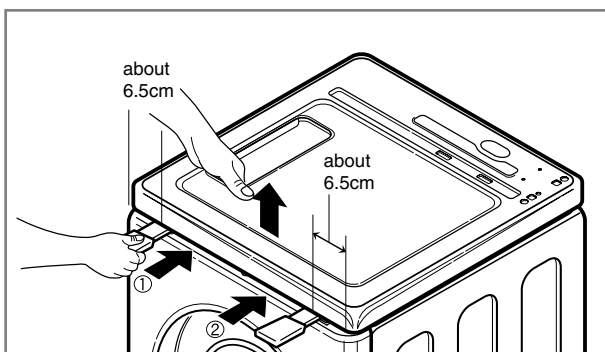


3. Pull the Control panel forward.
4. Disconnect connectors.
5. Unscrew 5 screws.
6. Disassemble the controller assembly.

TOP PLATE



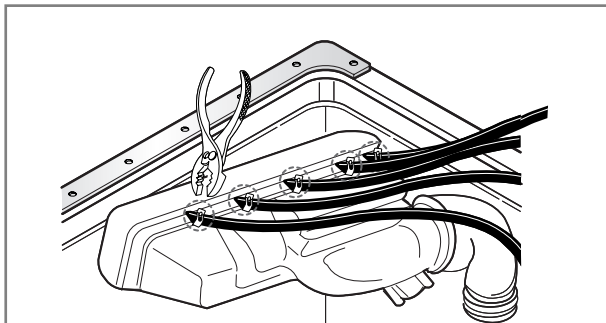
1. Open the Lid.
2. Unscrew 4 screws.
3. Disassemble the Lid Assembly.
4. Pull down the Dispenser by pushing hooks.



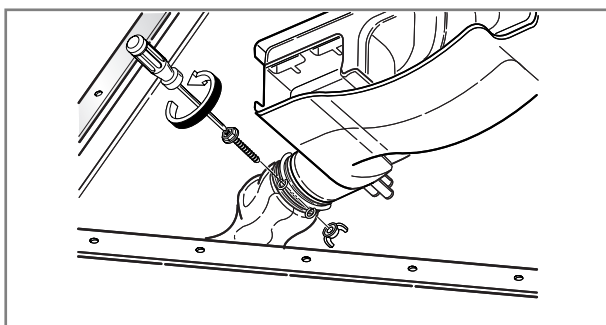
5. Put a hand into the dispenser hole and hold the top plate.
6. Push backward using an opener and lift the top plate.

* Do first left side(①).

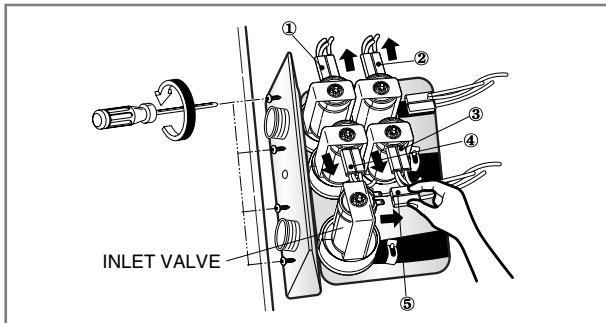
DISPENSER ASSEMBLY



1. Disassemble the 5 hose clamps.
2. Release the 5 hoses.



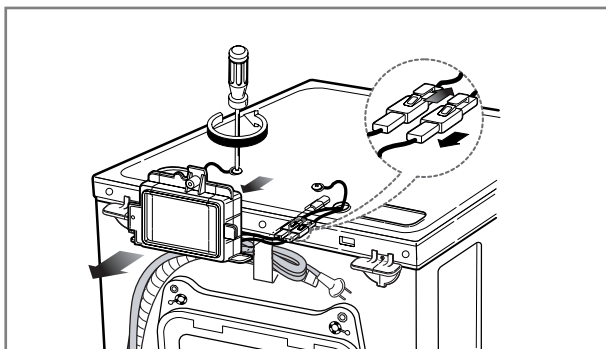
3. Unscrew the nut at the lower part of the dispenser.



4. Unscrew the 4 screws on the holder.
5. Disassemble the 5 connectors from the valves.

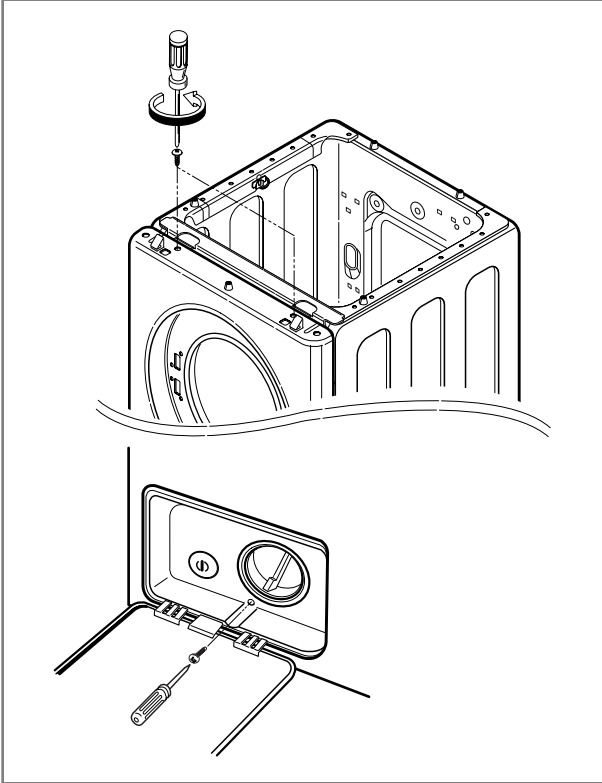
※ Wire color : ① WH-BK ② OR-BK
 ③ WH-BK ④ GY-BK
 ⑤ BL-BK

NOISE FILTER

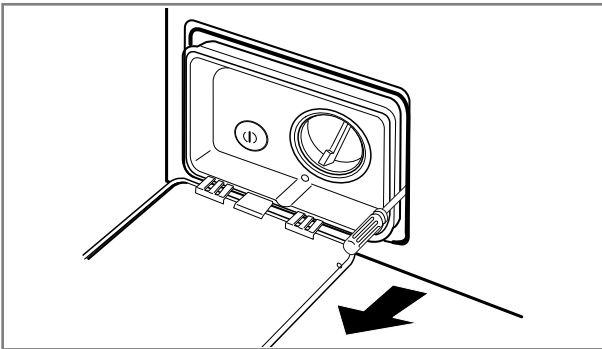


1. Unscrew the screw from the top plate.
2. Unplug the 2 connectors.

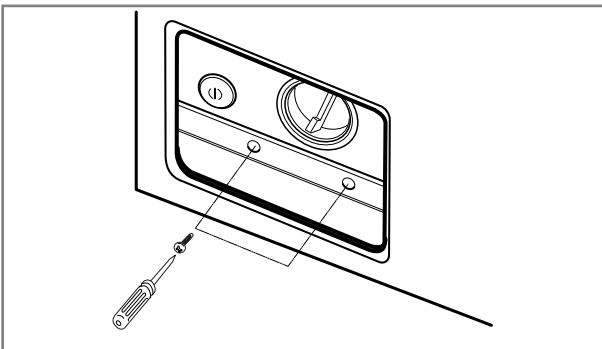
CABINET COVER



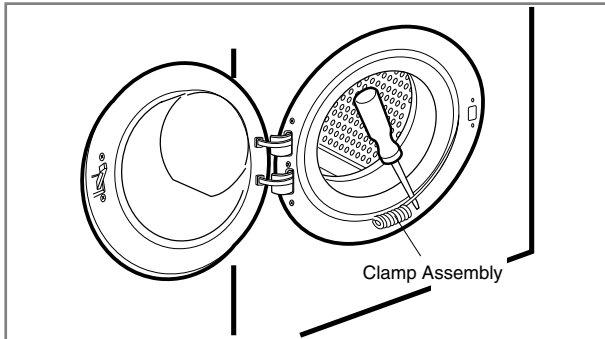
1. Unscrew the 2 screws from upper side of the cabinet cover.
2. Unscrew the screw from filter cover.



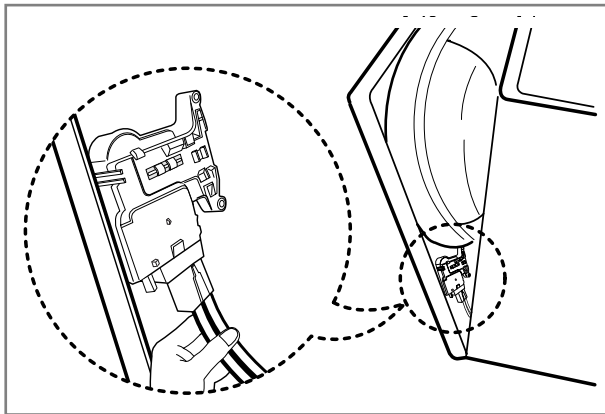
3. Put a flat (-) screwdriver into the both sides of the filter cover, and pull it out.



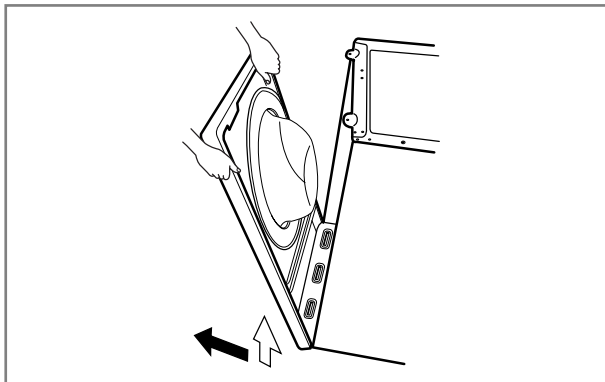
4. Unscrew the 2 screws from the lower side of the cabinet cover.



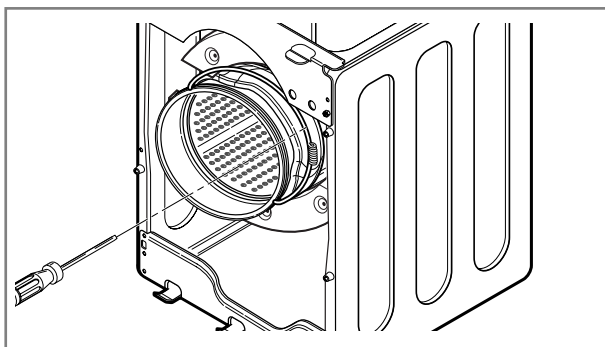
5. Open the door.
6. Disassemble the clamp assembly using a flat (-) screwdriver.
7. Separate the clamp assembly from cabinet cover.



8. Tilt the cabinet cover.
9. Disconnect the door switch connector.

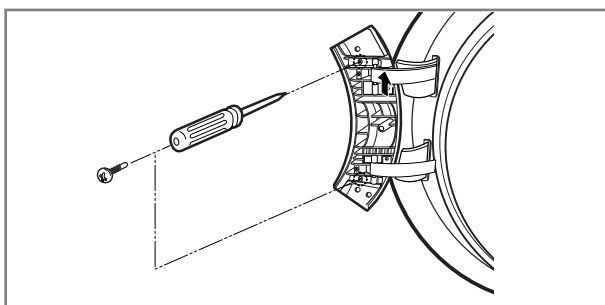
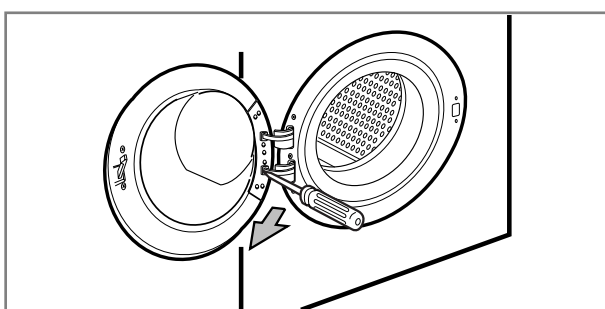
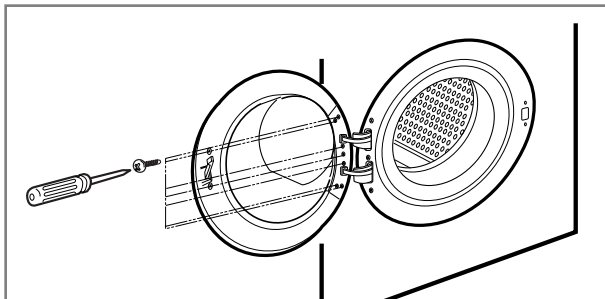


10. Lift and separate the cabinet cover.



11. Disassemble the clamp assembly using a flat (-) screwdriver.
12. Disassemble the Gasket.

DOOR



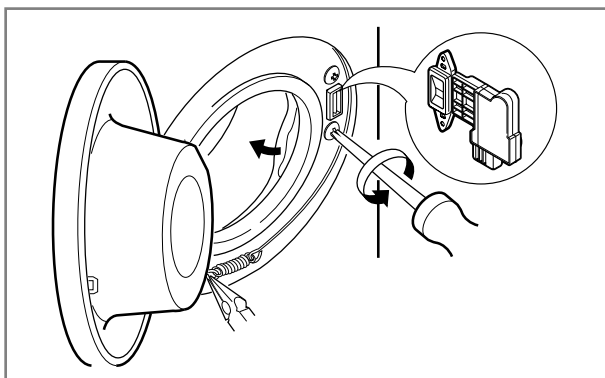
1. Open the door.
2. Unscrew the 7 screws from the hinge cover.

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

4. Unscrew the screws from the door.
5. Disassemble the door upward / downward.

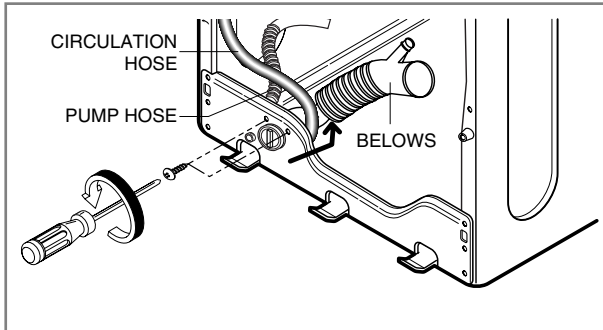
※ Be careful ! The door is heavy.

DOOR SWITCH ASSEMBLY



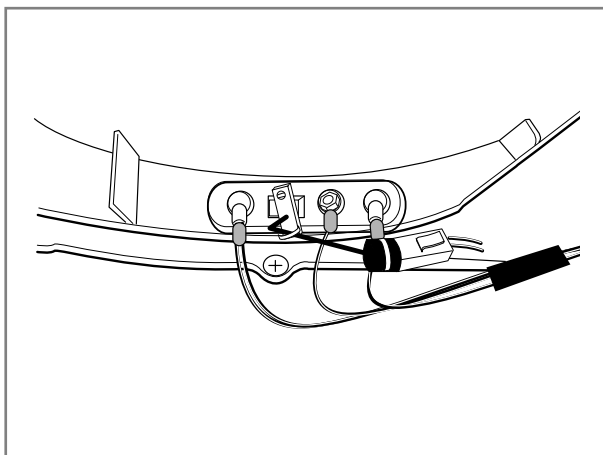
1. Open the door.
2. Disassemble the clamp assembly.
3. Unscrew the 2 screws from cabinet cover.

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

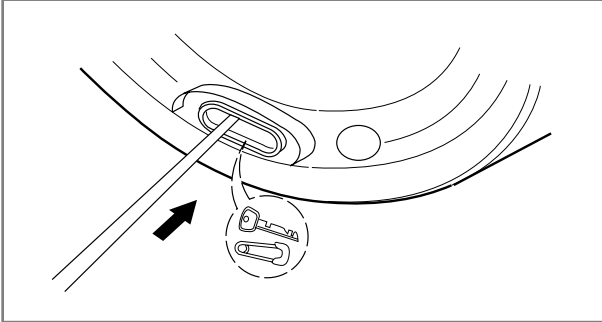


1. Disassemble the cabinet cover.
2. Separate 2 connectors from the heater.
3. Loose the nut and pull out the heater.

⚠ CAUTION

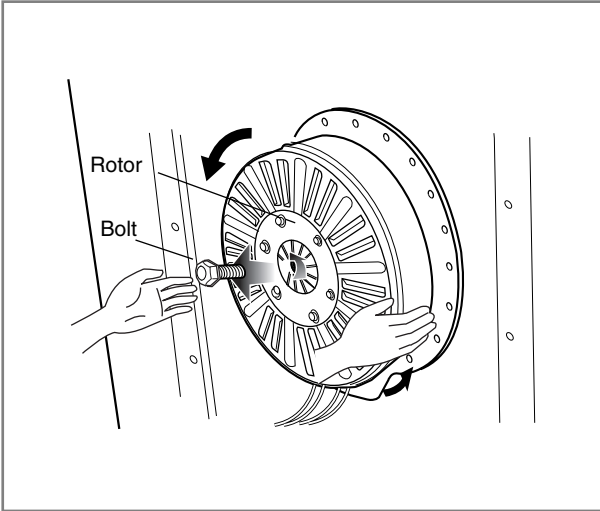
- When assembling the heater, insert the heater into heater clip on the bottom of the tub.
- Tighten the fastening nut so the heater is secure.

WHEN FOREIGN OBJECT IS STUCK BETWEEN DRUM AND TUB

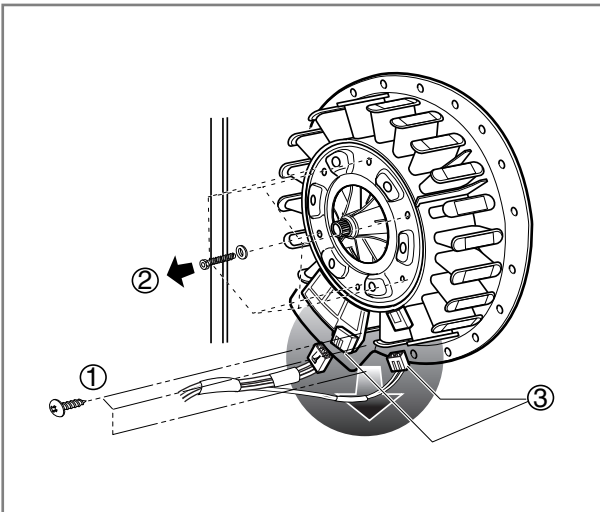


1. Disassemble the cabinet cover.
2. Separate the heater from the tub.
3. Remove any foreign objects (wire, coin, etc.) by inserting a long bar in the opening.

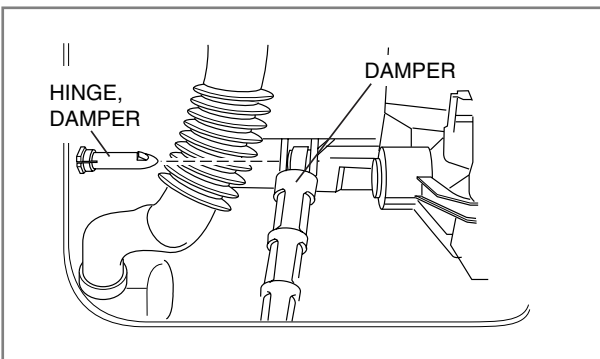
MOTOR / DAMPER



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



4. Unscrew the 2 screws from the tub bracket.
5. Loosen the 6 bolts on the stator.
6. Unplug the 2 connectors from the stator.



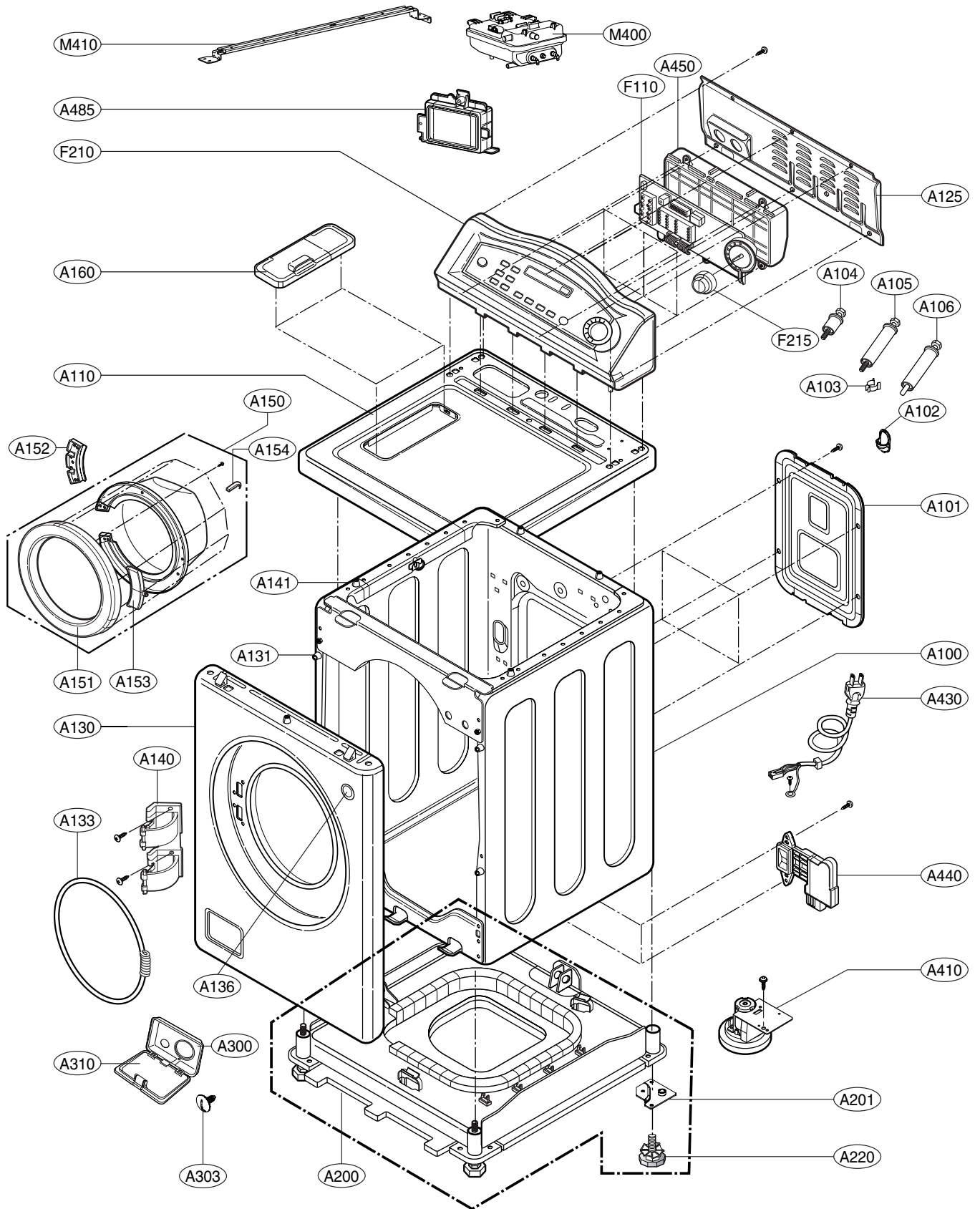
1. Disassemble the damper hinges from the tub and base.
2. Separate the dampers.

※ NOTE

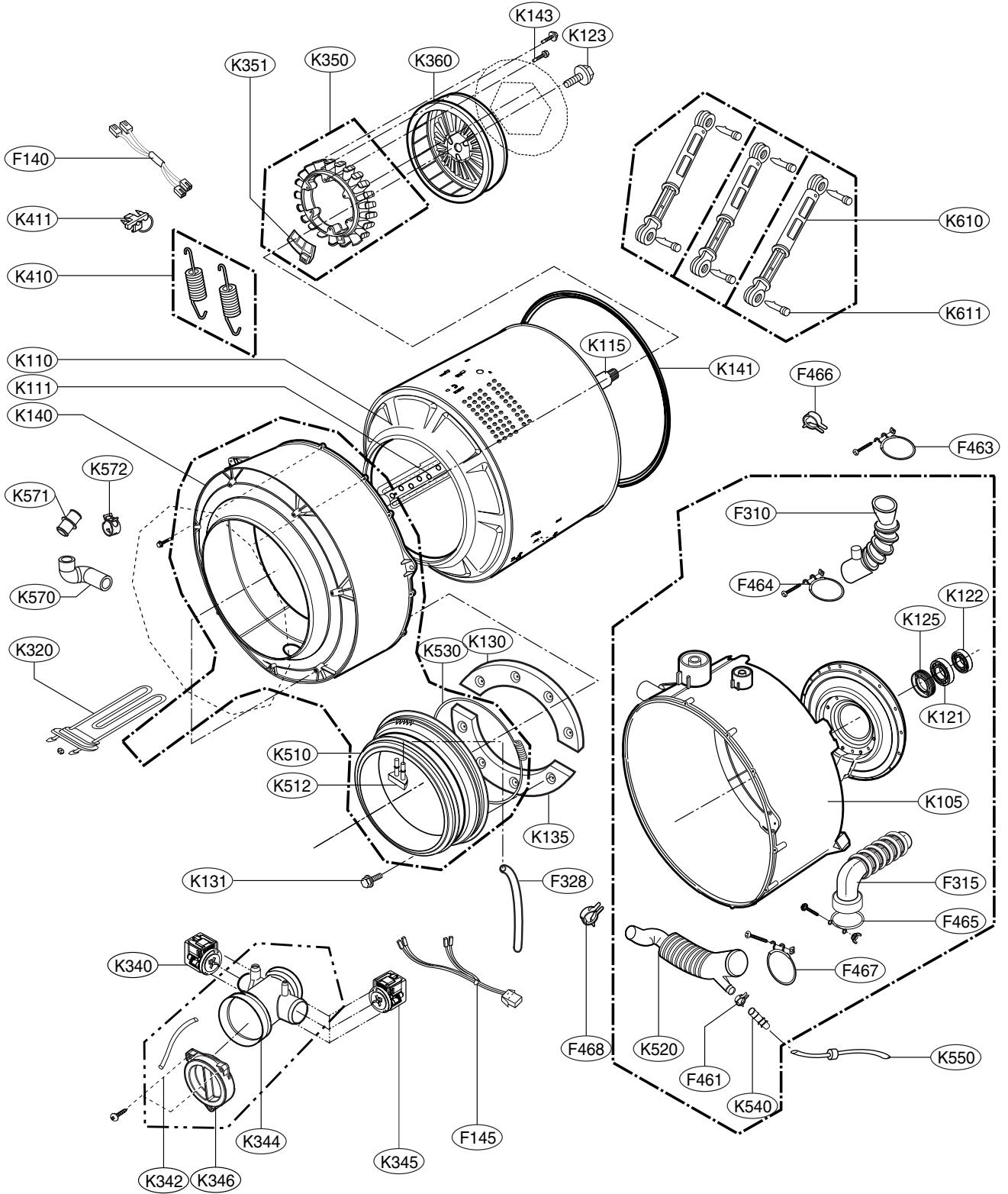
- Once removed, replace the damper pin with new one.

10. EXPLODED VIEW AND PART LIST

10-1. THE PART LIST OF CABINET ASSEMBLY



10-2. DRUM & TUB ASSEMBLY



10-3. THE EXPLODED VIEW OF DRUM & TUB ASSEMBLY

