

2. FEATURES & TECHNICAL EXPLANATION

2-1.FEATURES

⌚ **LOW TANGLE AND LOW DAMAGE.**

Drum washing machine have uniform washing without damage and tangle by rubbing and beating.

⌚ **ADOPT FUZZY LOGIC.**

FUZZY denote that MICOM can set the optimal washing process by sensing laundry amount and temperature of ambience and water.

⌚ **LOW-NOISE.**

Low-noise washing and spinning is accomplished by adopting electronic motor control.

⌚ **LIGHT-WEIGHT.**

By reducing the weight of system dramatically to 63kg, it is easy to handle.

⌚ **RESERVATION. (DELAYED START)**

If necessary, the reservation time for washing can be set up by controlling the (TIME DELAY) button.



⌚ **EASY CHECK OF THE WATER TEMPERATURE IN WASHING.**

Water temperature is displayed by pressing the selection (WATER TEMP) button on washing.



⌚ **WHEN THE SETTING TEMPERATURE IS OVER 60 °C.**

Washed water is gradually decreased by repeating WATER INLET-RINSE-DRAIN to prevent the laundry from damage by water temperature sudden change.

⌚ **POWER SHOWER RINSE.**

The front of door sprays out the water to remove the remaining detergent with just a little amount water.

⌚ **PREFERRED TEMPERATURE SELECTION.**

Selected temperature from cold to heating(6 steps).

⌚ **CHILD-LOCK.**

The Child-Lock system has been developed to prevent children from processing any button to change the program during operation.

⌚ **RINSE HOLD.**

If you desire to leave your synthetic and wool fabrics in the machine after the wash program you may select the (RINSE HOLD) function to prevent them from getting wrinkled.

⌚ **Auto Restart**

Although the washing machine is turned off by a power failure, it restarts automatically in its stopped again and the process is properly adjusted and it will be the same when the machine unplugged in operation is plugged in again.

2-2.SENSING THE LAUNDRY AMOUNT

- PRINCIPLE : After the first water supply, the laundry absorbs the water with the revolution of drum, which causes the decrease of water level.
Micro-Processor senses decreased water level and makes water to be supplied more and recognizes the amount of the laundry by calculating the times of complementary water supply.

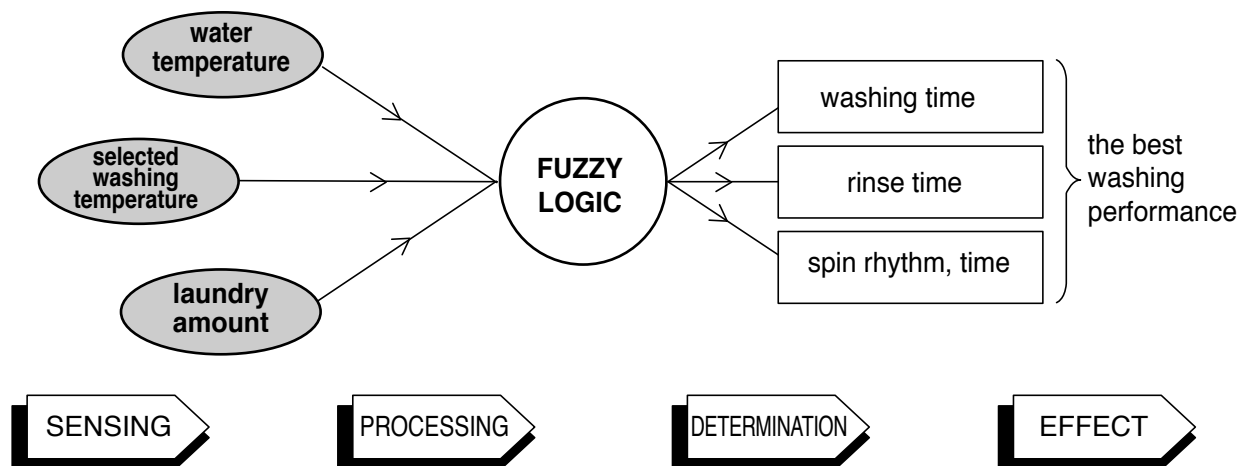
Criteria :

AMOUNT OF LAUNDRY	TIMES OF COMPLEMENTARY WATER SUPPLY
below 2.0 kg ,	1~2 times
above 4.5 kg ,	3 times or more

- The times of water supply depends on amount of laundry, material of laundry and water temperature etc.

2-3.DETERMINE WASHING TIME BY FUZZY LOGIC



To get the best washing performance optimal time is determined by sensing of water temperature, selected washing temperature and laundry amount.




2-4.WATER LEVEL CONTROL

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

2-5.CONTROL OF DOOR OPEN

- fU The door can be opened by pressing (DOOR OPEN)  button after finishing program.
- fU When the revolution of drum is stopped and in case water level is below level 2, door can be opened by pressing the (DOOR OPEN)  button.
- fU If there is no power, the door can be opened by revolving the door opener.
(If the water level is high, first drain the water by pulling out the hose cap)

2-6.IN CASE OF NOT OPEN THE DOOR

- fU Power is off or unplugged.
- fU Program is operating.
- fU (DOOR LOCK)  light turn on.
door lock
- fU Motor(Drum) is spinning(Rotating).

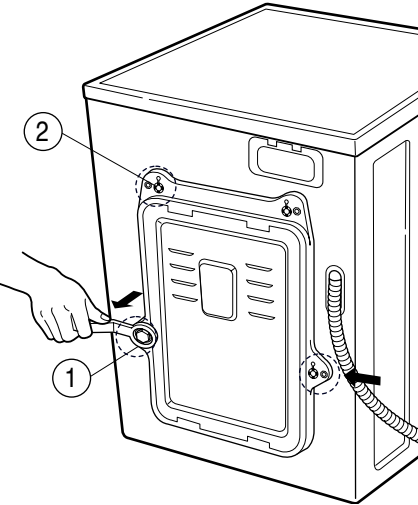
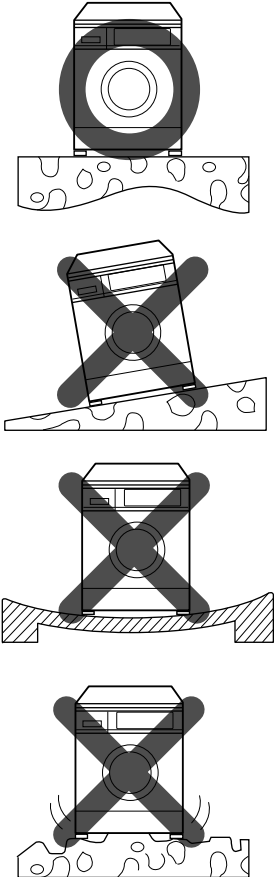
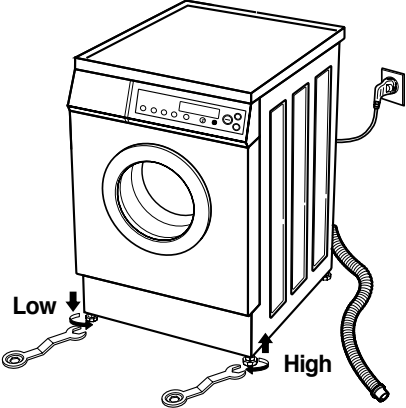
2-7.IN CASE OF; A DOOR LOCK ; LIGHT TURNS ON

- fU Water level frequency is below 23.2kHz.(Water level is high)
- fU In the tub water temperature above 45 ;

4. INSTALLATION

- ✧ Before servicing ask troubles of customers
- ✧ Check the adjustment(power supply is 220-240V, remove the transit bolts....)
- ✧⌚Check the troubles referring to the trouble shooting.
- ✧∅Decide the step of service referring to disassembly and instructions.
- ✧⌘And then, service and repair.
- ✧° After servicing, operate the appliance whether it works Q K or NOT.

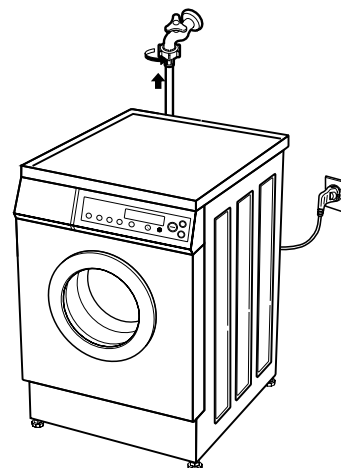
⌚ **STANDARD INSTALLATION**
 The appliance should be installed as follows.

REMOVE THE TRANSIT BOLTS	INSTALL THE APPLIANCE ON FLAT AND FIRM SURFACE	ADJUST THE HORIZONTAL
<p>⌚ Remove the transit bolts (4EA:⌚)with supplied spanner.</p> <p>⌚ Keep the transit bolts and spanner for future use.</p> <p>⌚ Insert the 4 caps(⌚⌚)provided into the hole</p> 		<p>⌚ Turn the leveling feet to set the appliance horizontally.</p>  <p>⌚ The appliance goes up by rotating the feet clockwise direction.</p> <p>⌚ The appliance come down by rotating the feet counter clockwise direction.</p>

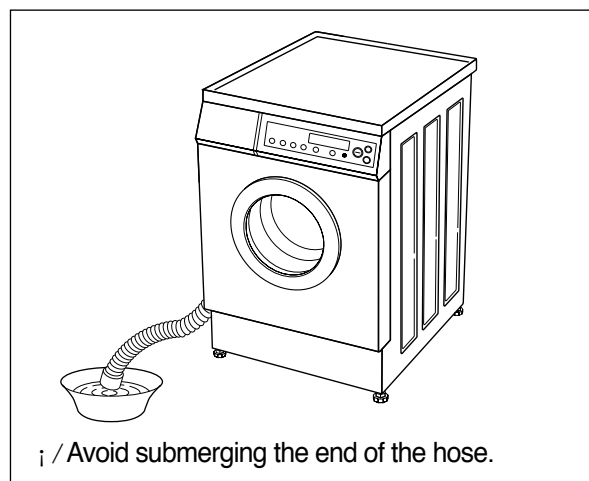
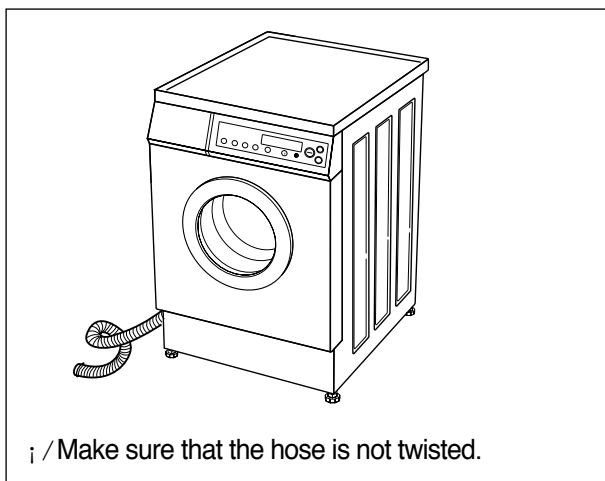
HOW TO CONNECT INLET HOSE

Check that the rubber packing is inside of the valve connector.

Connect the inlet hose firmly to prevent leak.

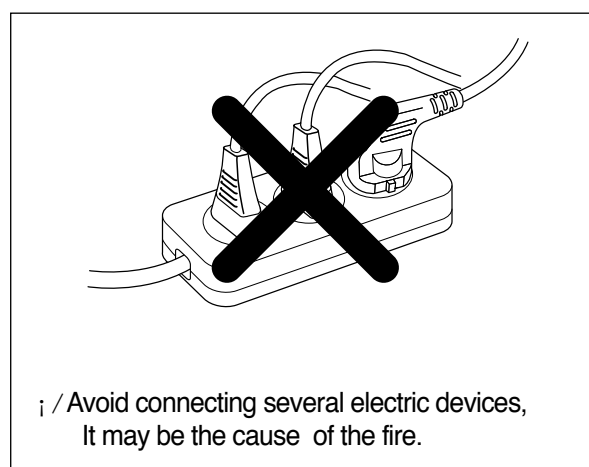
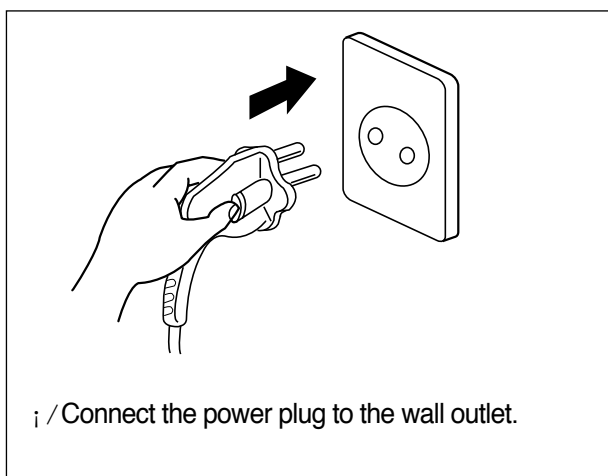


CONNECT DRAIN HOSE

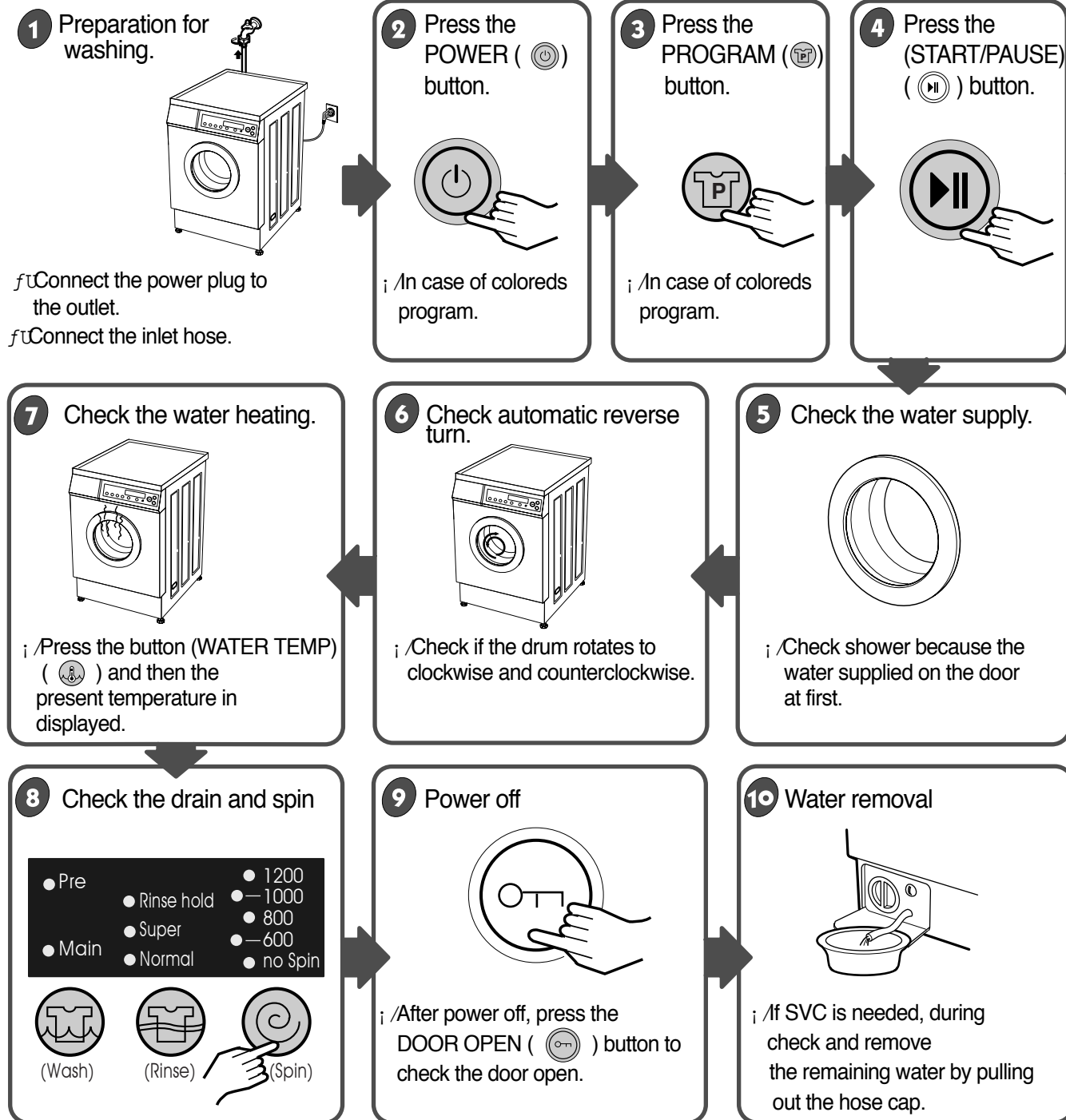


The drain hose should be placed under 85cm from the floor.

CONNECT POWER PLUG



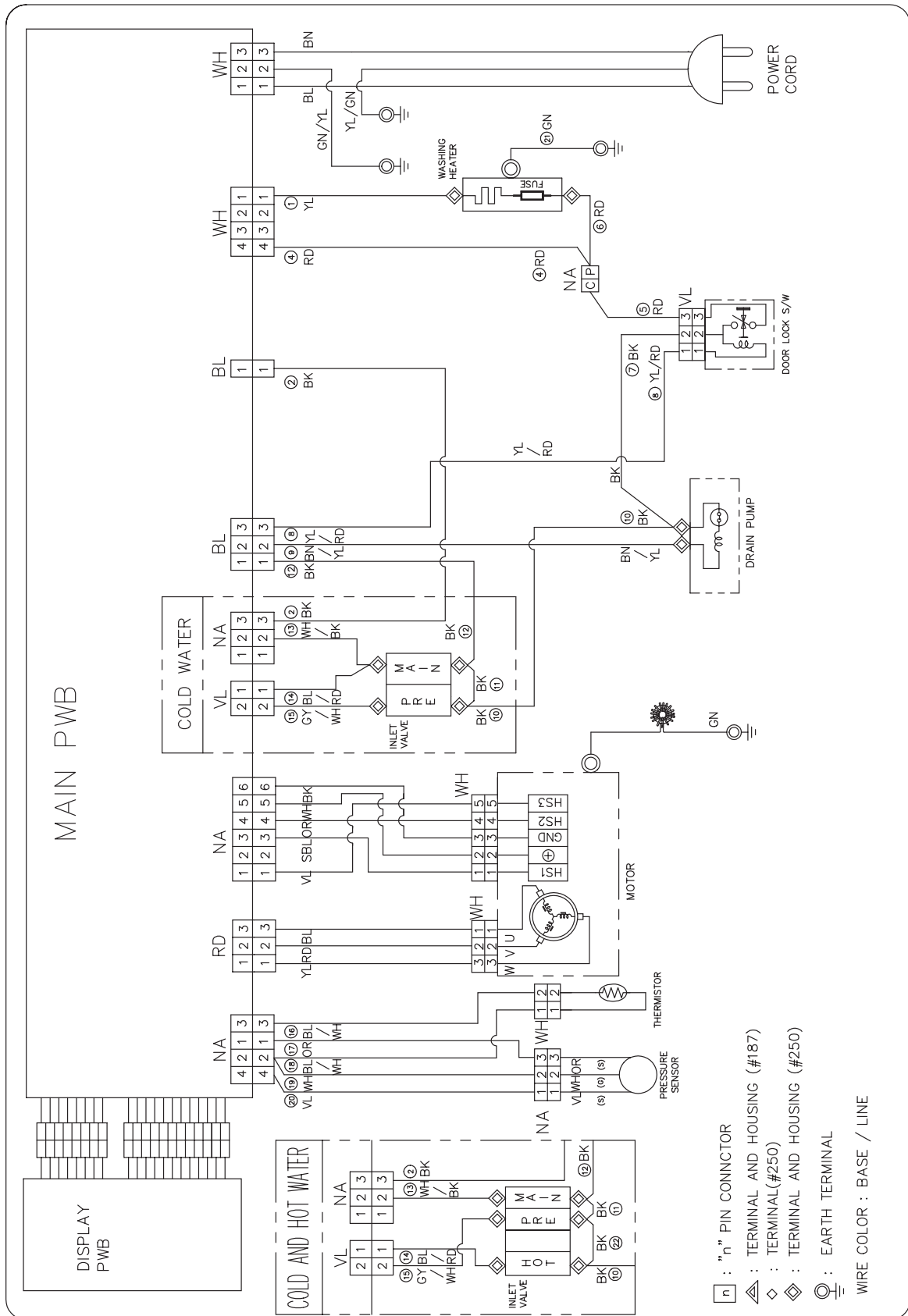
£GTEST OPERATION



f Trouble shooting refer to (7.ERROR DISPLAY)

f Assemble and disassemble refer to (9.Disassembly Instructions)

6. WIRING DIAGRAM








7. TROUBLE SHOOTING

7-1.BEFORE SVC CHECKING

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

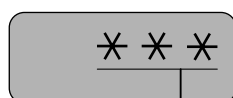
7-2.QC TEST MODE.

- ⊠ Pressing RINSE (), and SPIN () button simultaneously.
- ⊠ Power supply ON with pressing upper two button. then buzzer sound twice.
- ⊠ Press the START/PAUSE () button as follows.
- ⌋ Press the START/PAUSE () button more 4 times until stop spinning ⌋ b

Pressing number of £ START/PAUSE£ button	Checking Point	Display Status
None	All lamps turn on	
1 time	Clockwise spin(right)	Motor rpm(About 45)
2 times	Low speed Spin	Motor rpm(About 63~67)
3 times	High speed Spin	Motor rpm(About 114~117)
4 times	Inlet valve for pre-wash operation	Water level frequency(25~65)
5 times	Inlet valve for main-wash operation	Water level frequency(25~65)
	Hot inlet valve in case of hot water fill	
6 times	Inlet valve for main-wash operation	Water level frequency(25~65)
7 times	Counterclockwise spin(left)	Motor rpm(About 45)
8 times	A Heater is in operation for 3 sec.	Water Temperature
9 times	Draining pump operation	Water level frequency
10 times	Auto off operation	

7-3.HOW TO KNOW THE WATER LEVEL FREQUENCY

- f Press the WASH () and RINSE () button simultaneously.











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




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

7-4.ERROR DISPLAY.

If you press the Start/Pause button (▶||) in error condition, any error except 'PE' will disappear and the machine will change into pause status.

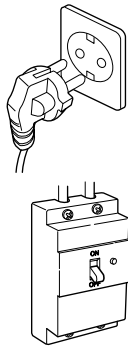
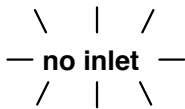
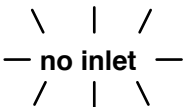



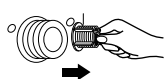
In case of PE, DE, OE, if the error is not resolved within 20 sec., and in case of other errors, if the error is not resolved within 4 min., power will be turned off automatically and the error only will be blinked. But in case of FE, power will not be turned off.









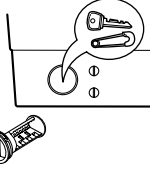
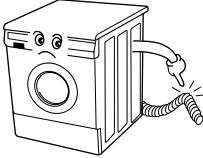
	ERROR	SYMPTOM	CAUSE
1	WATER INLET ERROR		§ Water has not reached to the pre-set level within 4 min. since inlet valve operated or water has not reached to the normal level within 25 min.
2	IMBALANCE ERROR		§ The appliance is tilted. § Laundry is gathered to one side. § Non distributable things are put into the drum.
3	DRAIN ERROR		§ Water has not drained enough within 5 min.
4	OVER FLOW ERROR		§ Water is automatically being pumped out because too much water is in the tub.
5	SENSOR PRESSURE SW ERROR		§ The sensor pressure switch is out of order.
6	DOOR OPEN ERROR		§ The Start/Pause button (▶) is pressed with the door open. § The door switch is out of order.
7	HEATING ERROR		§ The thermistor is out of order.
8	SENSOR ERROR		§ The connector (5pin, male, white) in the Wire Harness is not connected to the connector (5 pin, female) of Hall Sensor in the MOTOR. f' reconnect or repair the contact in the connector

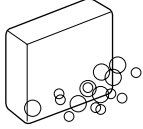
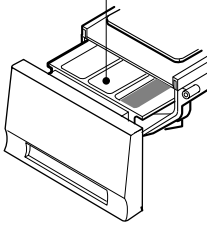
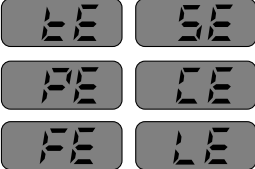
	ERROR	SYMPTOM	CAUSE
8	SENSOR ERROR		<ul style="list-style-type: none"> • The electric contact between the connectors (5 pin, male in the Wire Harness and 5 pin female in the Hall Sensor) is bad or unstable. f_ Reconnect or repair the contact in the connector • The connector (6 pin, male, natural) in the Wire Harness is not connected to the connector (6 pin, female, natural) of PWB ASSY(Main) or the electric contact of connectors is bad/unstable. f_ Reconnect or repair the contact in the connector • The electric contact between the connectors; 6 pin, male in the Wire Harness and 6 pin female in the controller(Main) is bad or unstable. f_ Reconnect or repair the contact in the connector • The Wire Harness between Hall Sensor in the MOTOR and PWB ASSY(Main) is cut(open circuited). f_ Repair/replace the damaged WIRE HARNESS • The Hall Sensor is out of order/defective. f_ Replace the Motor • The controller(Main) is out of order/defective. f_ Replace the PWB ASSY(Main)
9	CURRENT ERROR		<ul style="list-style-type: none"> • PWB ASSY(Main) is out of order f_ Replace the PWB ASSY(Main) • Winding in the MOTOR is short-circuited. f_ Replace the MOTOR
10	LOCK ERROR		<ul style="list-style-type: none"> • The Connector(3 pin, male, white) in the Wire Harness is not connected to the Connector(3 pin, female, white) of MOTOR. f_ Reconnect or repair the connector • The electric contact between the connectors; 3 pin, male, white in the Wire Harness and 6 pin, female, white in the PWB ASSY(Main) is bad or unstable. f_ Reconnect or repair the contact in the connector • The Wire Harness between the MOTOR and PWB ASSY(Main) is cut(open circuited). f_ Repair the damaged(open-circuited) WIRE HARNESS • The hall sensor is out of order/defective. f_ Replace the PWB ASSY(Main)

8. ERROR DIAGNOSIS AND CHECK LIST

8-1.DIAGNOSIS AND ANSWER FOR ABNORMAL OPERATION

SYMPTOM	GUIDE FOR SERVICE CALL
<p>NO POWER</p>	<div data-bbox="547 544 1107 913"> <p>Is the power plug connected firmly to AC220-240V outlet?</p> <p>YES</p> <p>Power failure? or Breaker opened?</p> <p>NO</p> <p>Visit to check</p> </div> <div data-bbox="1203 544 1331 891">  </div>
<p>Water inlet trouble</p> <div data-bbox="199 1086 384 1193">  </div>	<div data-bbox="547 1014 1107 1832"> <p>Is "no inlet" displayed?</p> <p>YES</p> <p>Is the tap opened?</p> <p>YES</p> <p>Is the tap frozen?</p> <p>NO</p> <p>Is the water supply shut-off?</p> <p>NO</p> <p>Is filter in the inlet valve clogged with foreign material?</p> <p>YES</p> <p>NO</p> <p>Visit to check</p> </div> <div data-bbox="1171 1014 1356 1720">     <div data-bbox="1185 1523 1412 1720"> <p>Clean the filter of inlet valve</p>  </div> </div>

SYMPTOM	GUIDE FOR SERVICE CALL
<p> ㉞ Door open trouble ㉞ Error displayed on the program </p> 	<div data-bbox="539 392 1375 1400"> <p>When the door opened, Is the started or on the program C TIME DELAY ; D ?</p> <p>YES →  Close the door </p> <p>NO → Didn't you press the DOOR OPEN () button when water remained in the tub?</p> <p>YES → <ol style="list-style-type: none">1. Press the START/PAUSE () button to stop the appliance.2. Drain water by selecting spin.3. Open the door by pressing the DOOR OPEN () button.</p> <p>NO → Isn't door opened in spite of pressing the DOOR OPEN () button</p> <p>NO → Visit to check</p> <p>⌋ Check if the door switch is O ⌋ /K. ⌋</p> </div>
<p>㉞ Drain Trouble</p> 	<div data-bbox="539 1422 1436 1960"> <p>Is "no drain" displayed?</p> <p>YES → Is the foreign material clogged in the drain pump filter such as pin, coin and etc.?</p> <p>YES → Clean up the filter. </p> <p>NO → Is the Drain Hose frozen with water, kinked or curshed?</p> <p>NO → Visit to check</p>  </div>

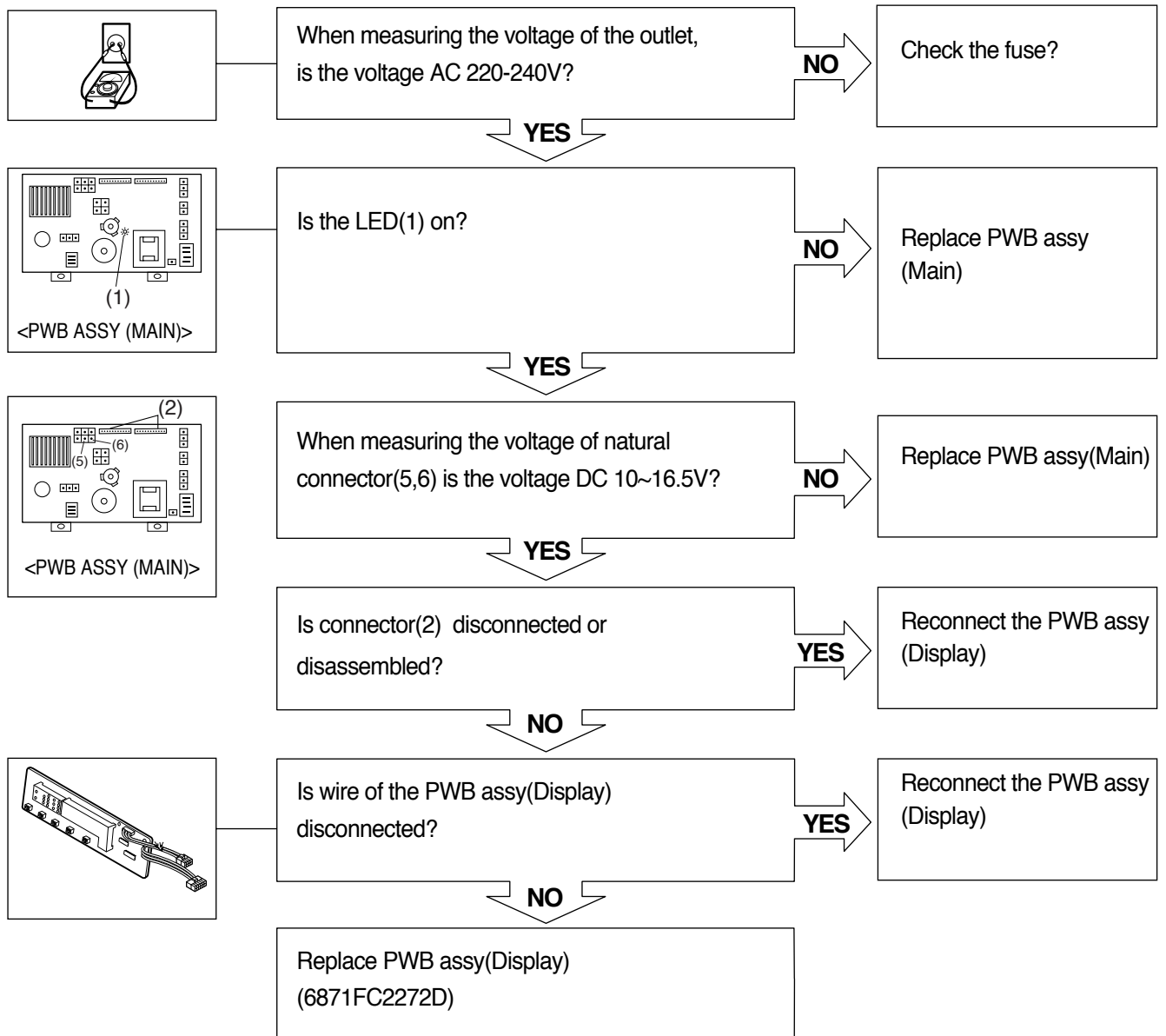
SYMPTOM	GUIDE FOR SERVICE CALL
<p>⚠ Lather overflow from the appliance. (In this condition, wash and spin do not operate normally)</p>	<div data-bbox="592 421 1150 517">Is Low-lathering detergent for the drum washing machine used?</div> <div data-bbox="799 517 943 562">YES</div> <div data-bbox="592 573 1150 669">Is the proper amount of detergent used as recommended?</div> <div data-bbox="799 669 943 714">YES</div> <div data-bbox="592 725 1150 822">Recommend to reduce the using amount of detergent.</div> <div data-bbox="624 837 1347 934"> <p><i>fT</i> This appliance has the automatic suds sensing function which operates under much suds condition for good rinse and preventing overflow.</p> <p><i>fT</i> When much suds are sensed, suds removing fuction such as drain, water input and pause will operate without rotating the drum.</p> </div> <div data-bbox="1251 434 1394 562">  </div> <div data-bbox="1219 568 1434 636"> <p>LOW LATHERING DETERGENT</p> </div>
<p>⚠ No effect of softener</p>	<div data-bbox="592 1099 1150 1196">Is softener put in the correct compartment of drawer?</div> <div data-bbox="799 1196 943 1240">YES</div> <div data-bbox="592 1252 1150 1323">Is the drawer closed during wash?</div> <div data-bbox="799 1323 943 1368">YES</div> <div data-bbox="592 1379 1150 1440">Is the softener cap clogged?</div> <div data-bbox="799 1440 943 1485">YES</div> <div data-bbox="592 1496 1150 1556">Explain how to use softener</div> <div data-bbox="624 1570 1091 1603"> <p>ⓘ Clean the compartment for softener ⓘ</p> </div> <div data-bbox="1203 1140 1402 1196"> <p>Compartment for softener</p> </div> <div data-bbox="1187 1218 1394 1442">  </div>
<p>⚠ Error displayed as follows</p>	<div data-bbox="592 1711 1150 1771">Visit to check</div> <div data-bbox="1171 1655 1426 1823">  </div>

8-2.FAULT DIAGNOSIS AND TROUBLE SHOOTING

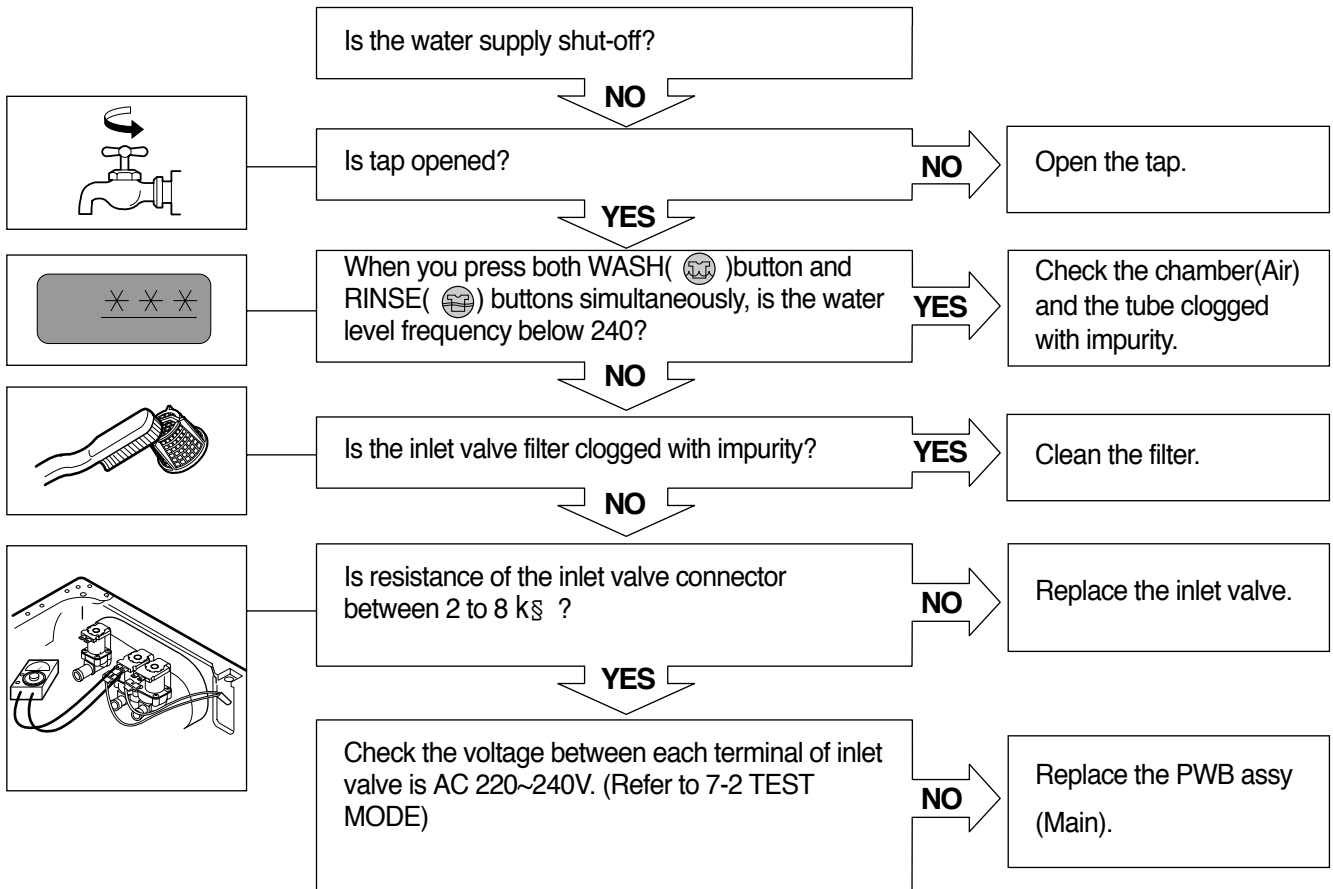
CAUTION

1. Be careful of electric shock or disconnecting the parts while trouble shooting.
2. First of all, check the connection of each part terminal with wiring diagram.

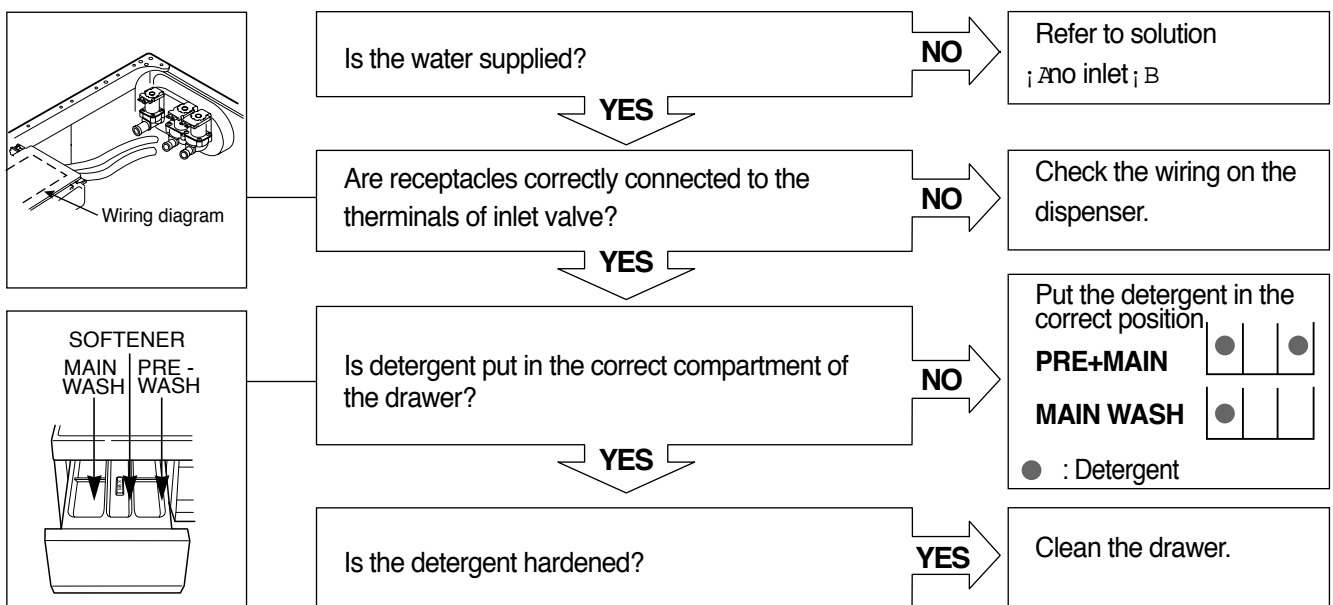
NO POWER



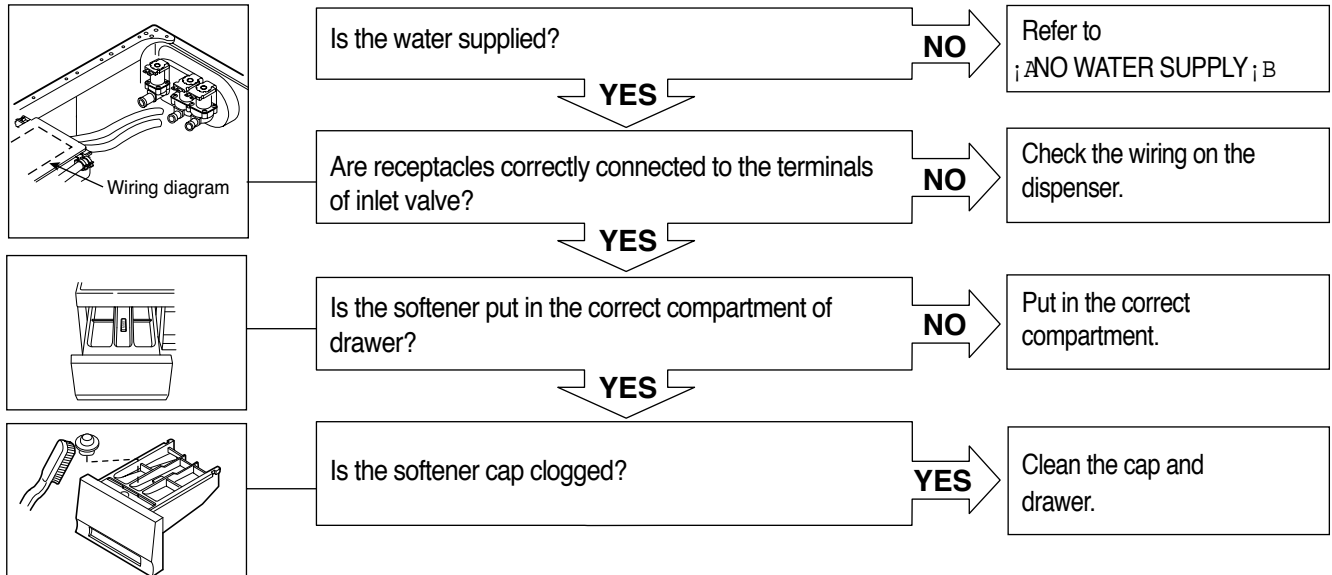
NO WATER SUPPLY



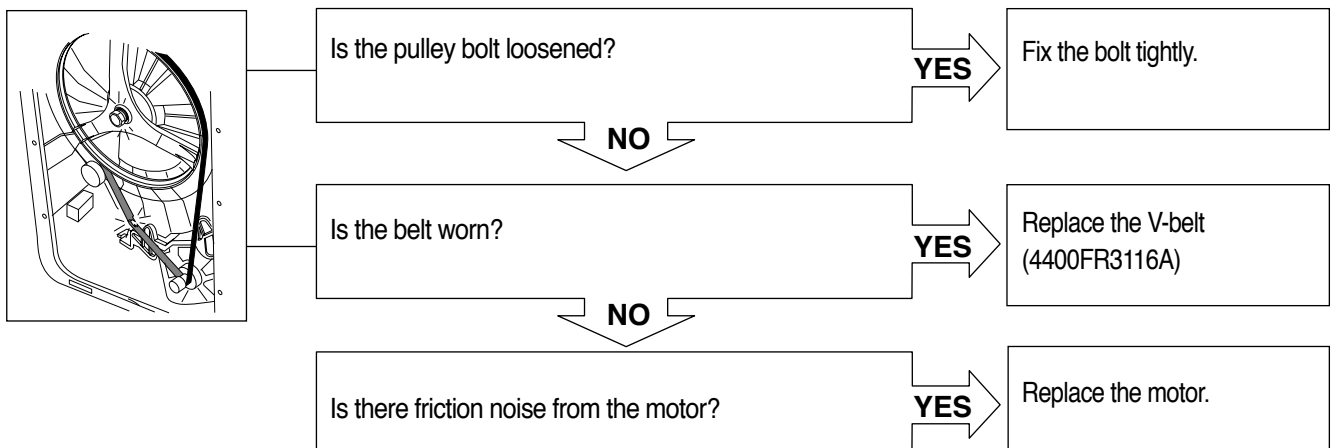
DETERGENT DOES NOT FLOW IN



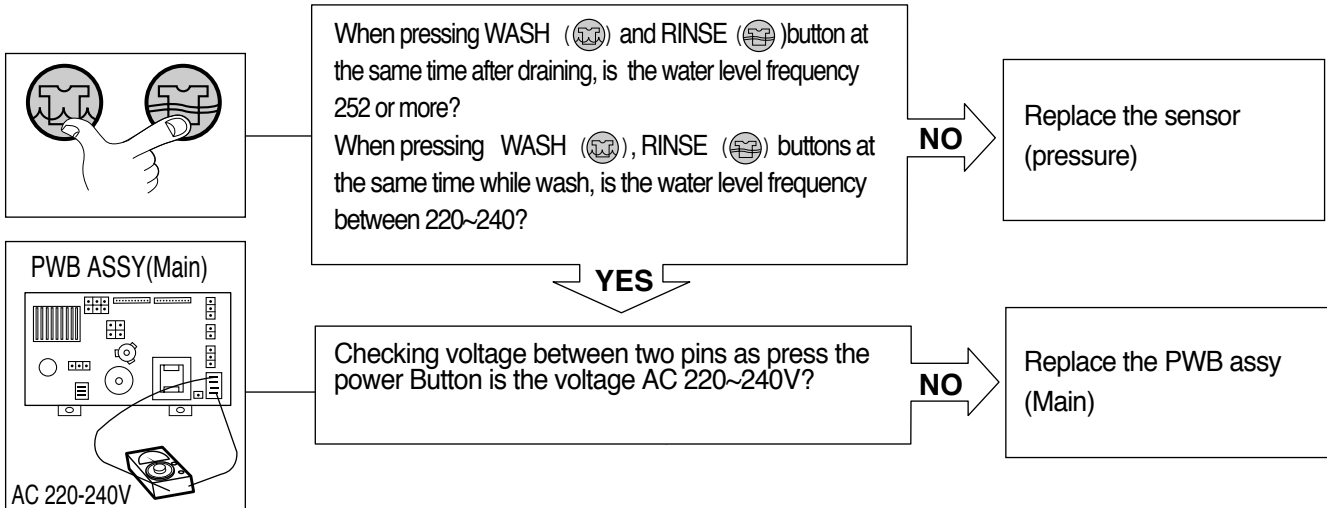
SOFTENER DOES NOT FLOW IN



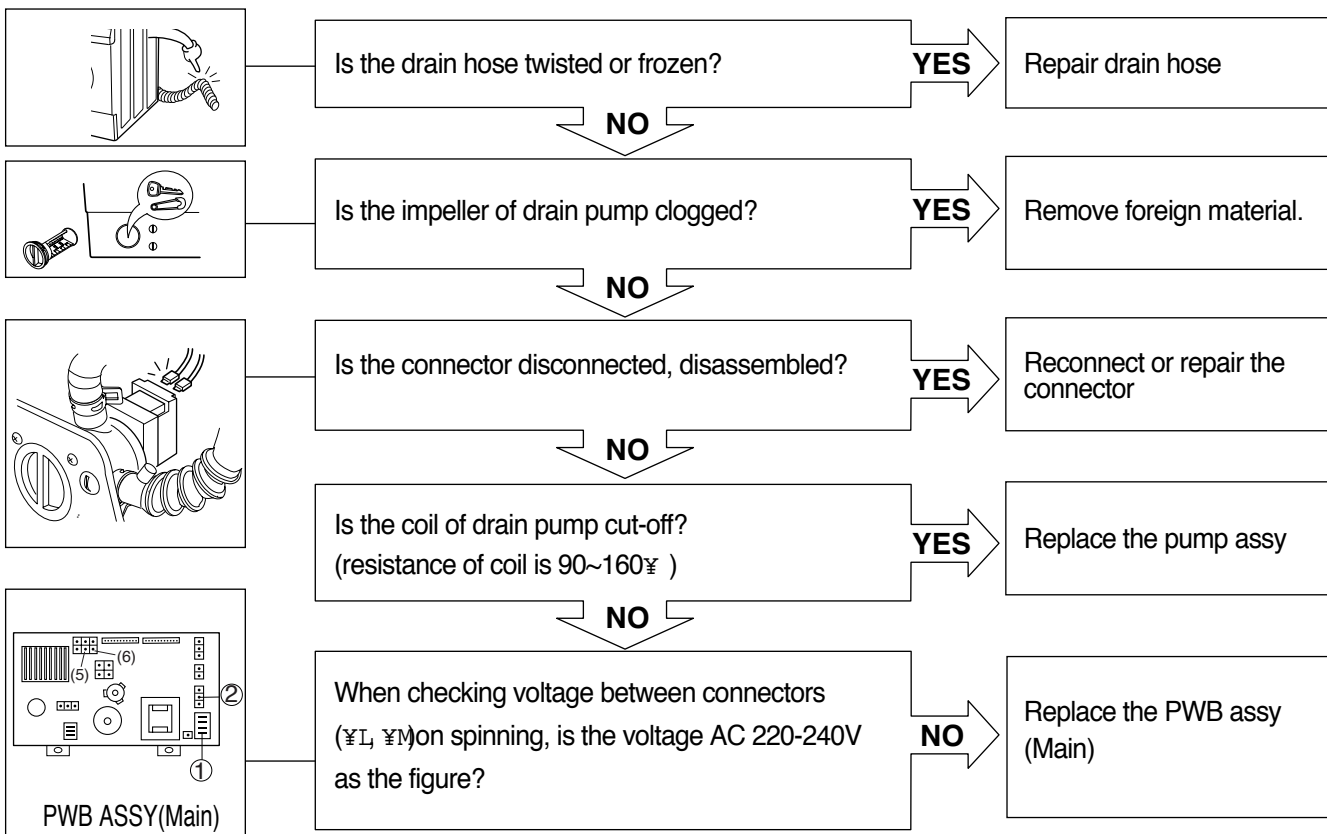
ABNORMAL SOUND



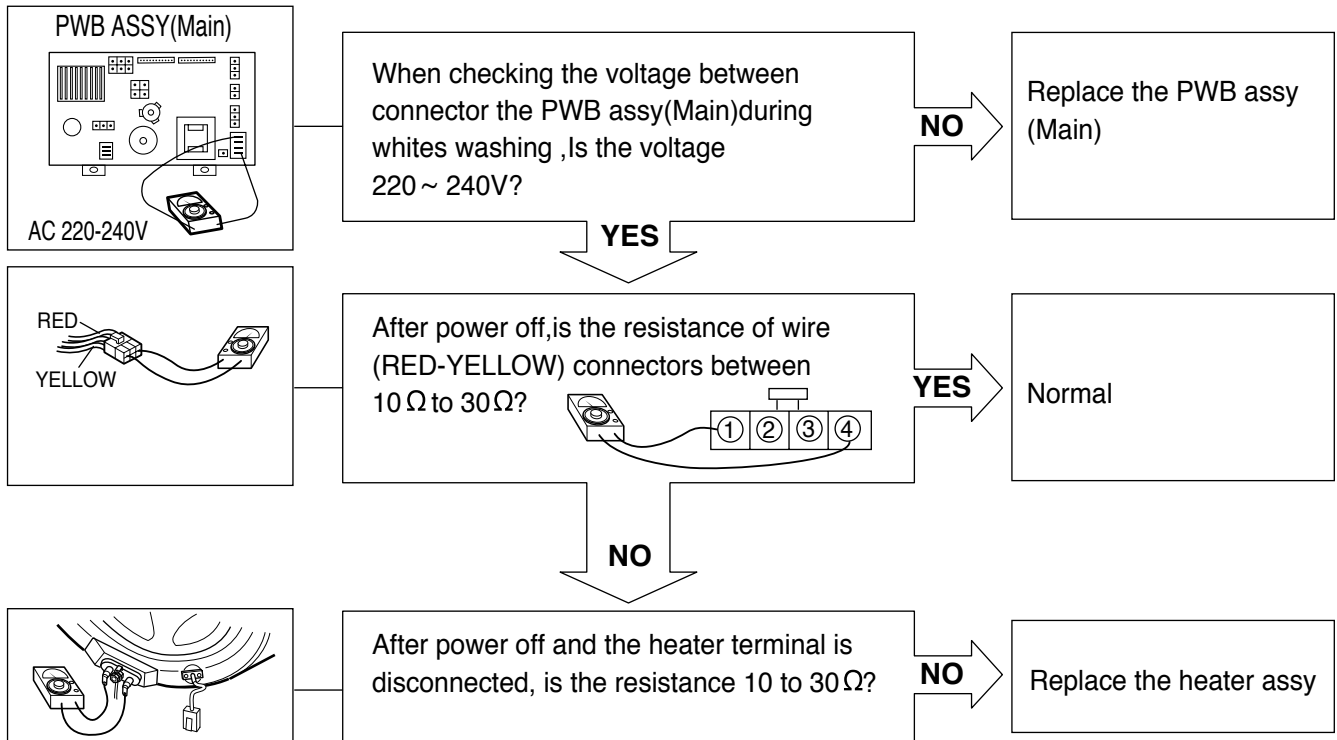
HEATING WITHOUT WATER



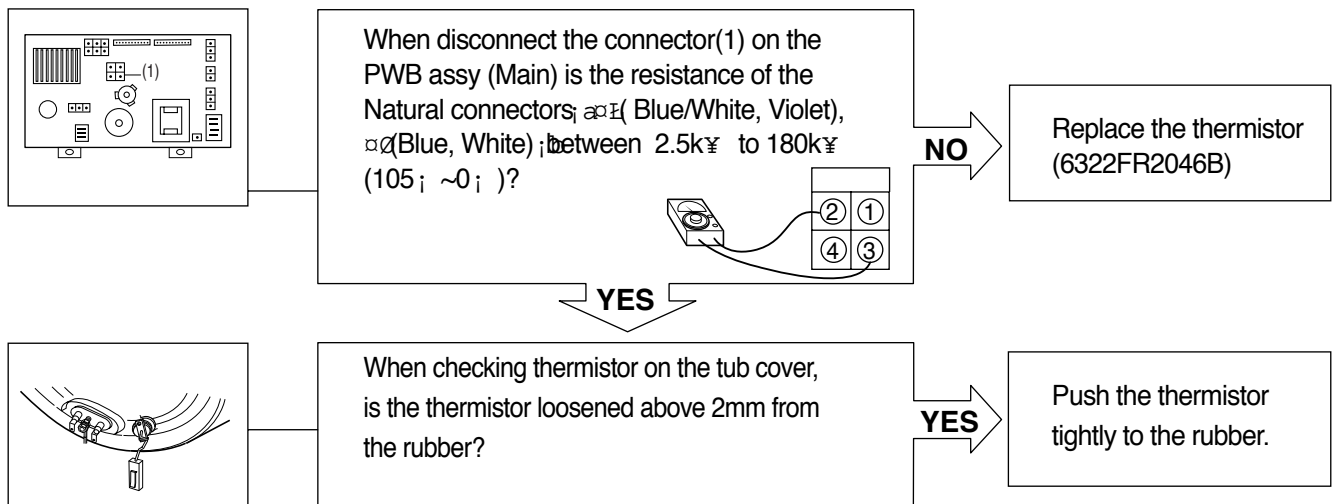
DRAIN MALFUNCTIONING



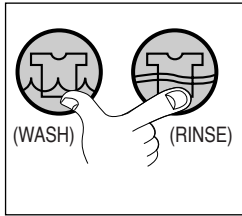
WASH HEATER TROUBLE



HEATING CONTINUOUSLY ABOVE THE SETTING WATER TEMPERATURE



SPIN TROUBLE

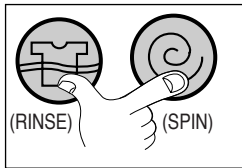


Check on the spinning, is the frequency of the water level 248 or more. The frequency can be checked by pressing the WASH () and RINSE () buttons at the same time on the program.

NO

Check the sensor (Pressure) or hose (Sensor).
If the problem is on the sensor or the hose, replace the sensor or the hose.

YES

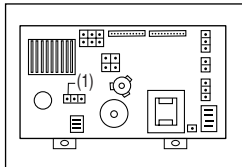


When pressing RINSE (), SPIN () and POWER () buttons at the same time after power off, press the START/PAUSE () button 2 times, is the drum low speed spin?

YES

Normal

NO

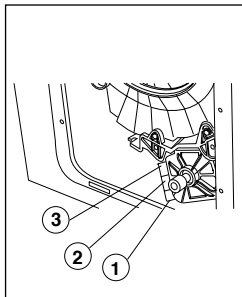


Is it disconnected, or disassembled?
; aRed:3pin(1); b

YES

Correct the connector.

NO



Check the motor connector, is the resistance of the terminal same as the figure?

MOTOR TERMINAL

□	□L	□Ø
---	----	----

Resistance of terminal:

□ ~ □L / □L ~ □Ø / □Ø ~ □ : About 6.5Ω

NO

Replace the motor assy.
(4681FR1241B)

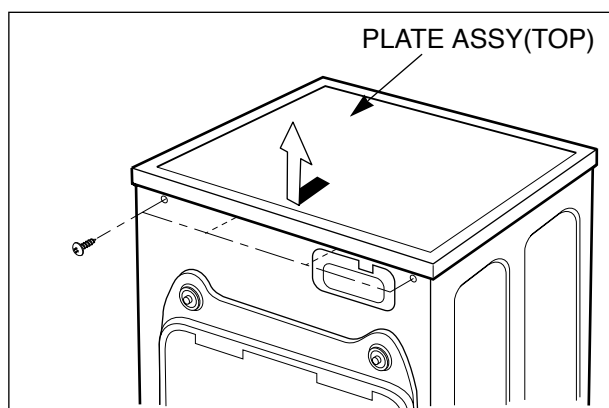
YES

Replace the PWB assy (Main)

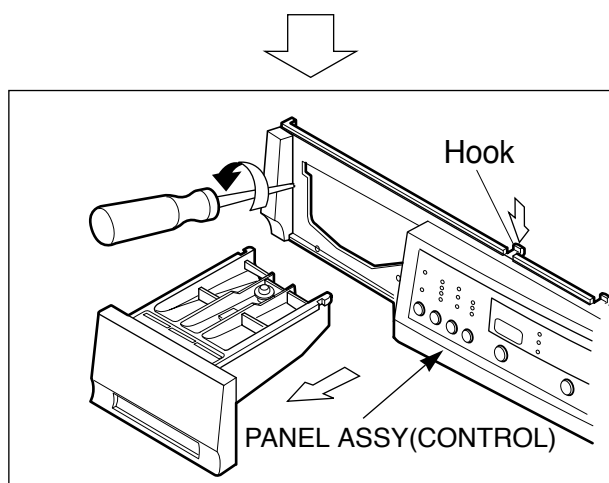
9. DISASSEMBLY INSTRUCTIONS

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

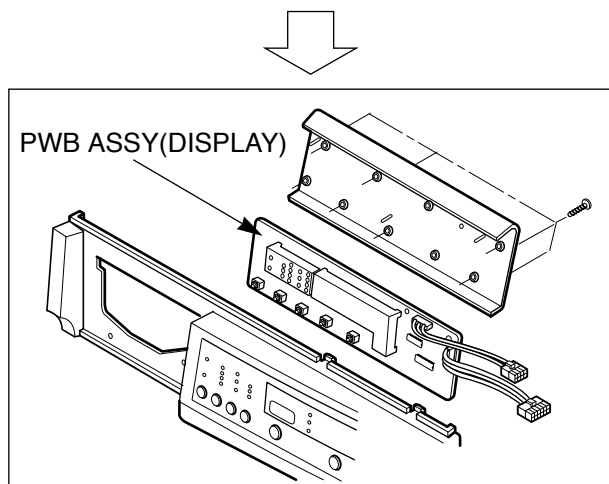
CONTROL PANEL



- Two screws are unscrewed on the top plate.
- \perp The plate assy(Top) is pulled back and then upward to arrow direction.

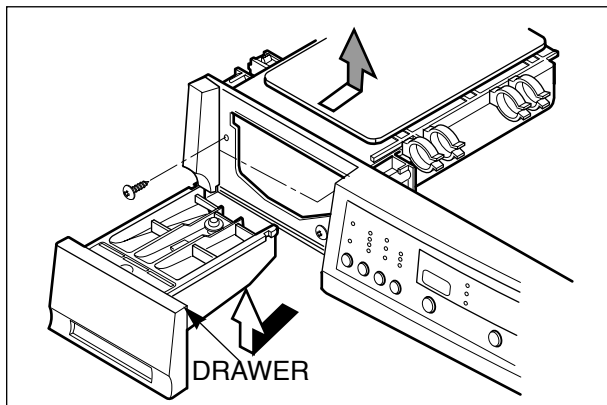


- The PWB assy(Display) connectors are disconnected.
- \perp Pull out drawer, three screws are unscrewed.
- \emptyset Push two upper hooks and pull the control panel forward.

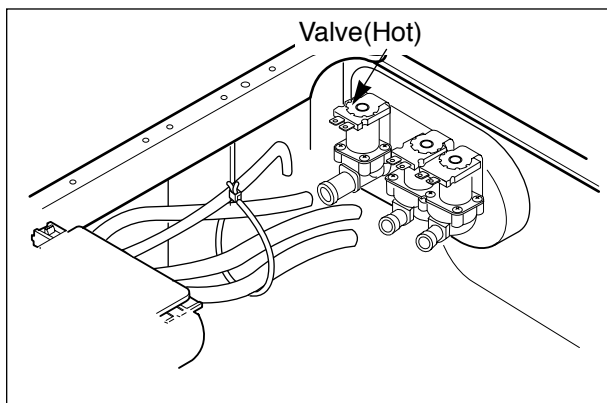


- The PWB assy(Display) is disconnected.
- \perp When 9 screws are unscrewed on the PWB insulator and the PWB assy(Display) is disassembled from the PWB insulator.

DISPENSER ASSY

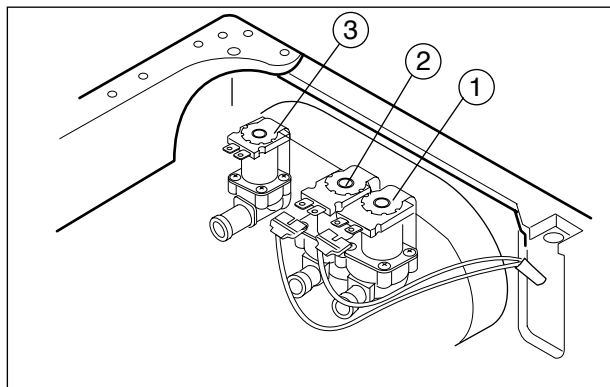


- Disassemble the top plate assy.
- Pull the drawer to arrow direction.
- Two screws are unscrewed.



- The hose clamps and the hose are disassembled.
- The ventilation bellows and the water inlet bellows are disassembled on the tub.

INLET VALVE



- Disconnect the wiring connector.
- ⚠ Unscrew 2 screws from the back.

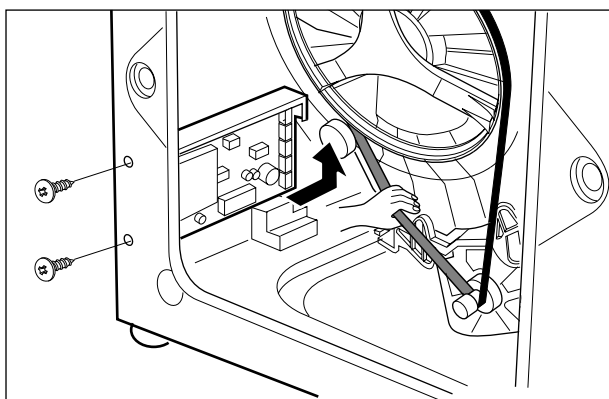
f ⚠ When reconnecting the connector

VALVE#1(MAIN)	White/Black - Black
VALVE#2(PRE)	Gray/ White - Black

VALVE#3(HOT)	Blue/Red-Black
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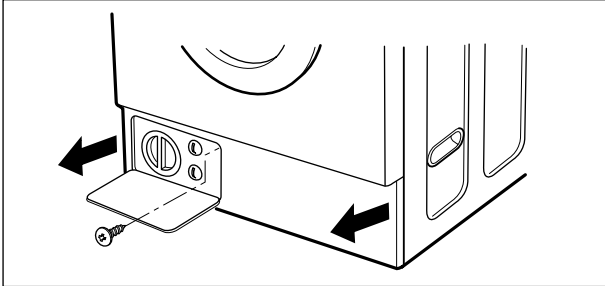
⌋ aWD-1223FH/1225FH/1243FH/1245FH⌋ b

PWB ASSY(MAIN)



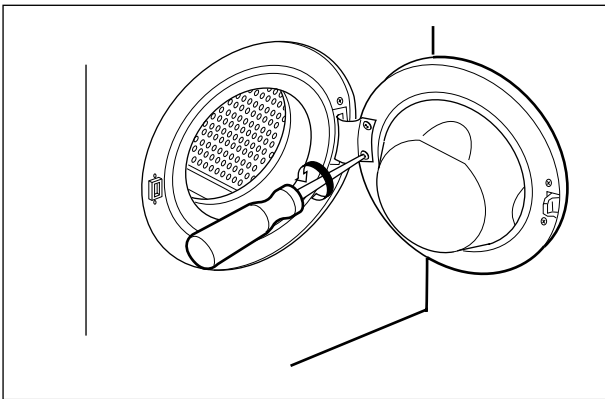
- The back cover is removed.
- ⚠ Unscrew 2 screws
- ∅ Pull the PWB assy (Main) as shown.


LOWER COVER



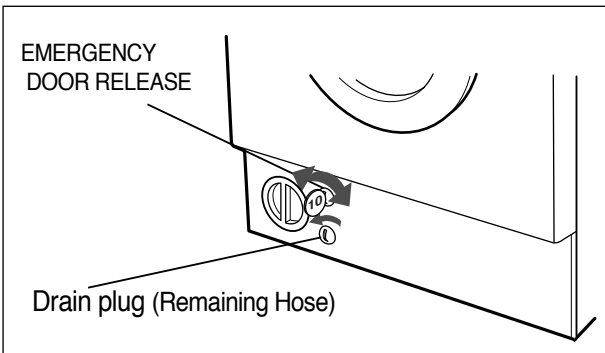
- § Open the lower cover cap by using coin and remove the lower cover to arrow direction after screw is unscrewed.

DOOR



- ı When the power cord is plugged, the door can be opened by pushing the DOOR OPEN () button

- ☐ Open the door completely.
- ☐ Remove the two screws from the hinge.



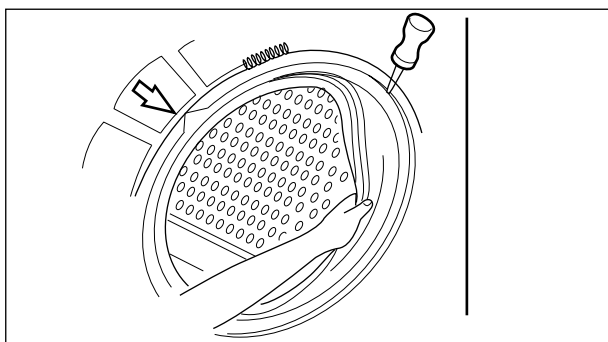
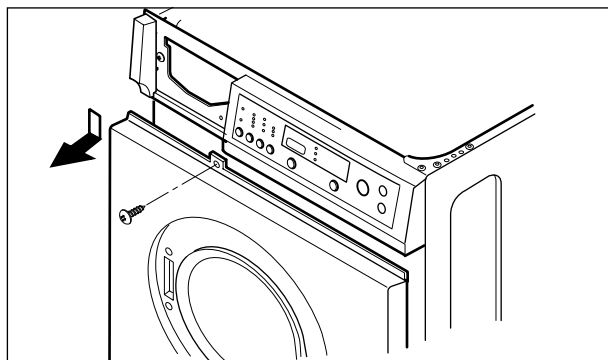
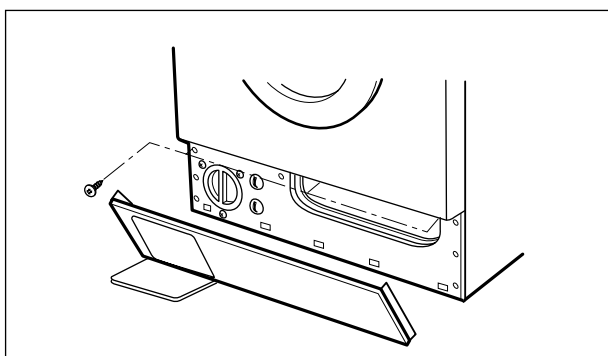
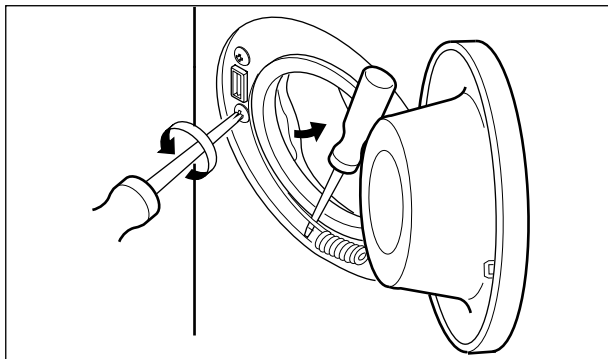
Door opening method in case of no electricity

- ☐ Rotate the emergency door release counterclockwise, by a coin.

Removing method of remained water

- ☐ Rotate the drain plug (remaining hose) to arrow direction.
- ☐ Pull it out from hose.
- ı First, prepare a bucket to put in the remained water

GASKET ASSY



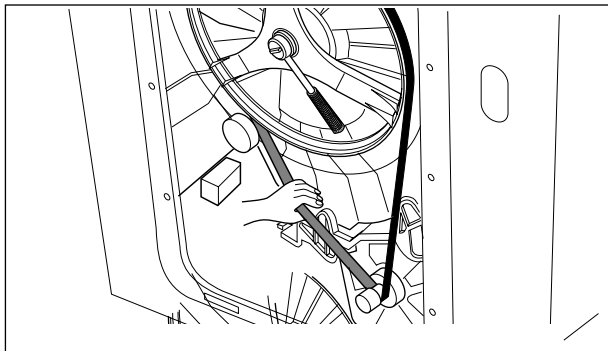
- The cabinet gasket clamp is released.
- ① Two screws are unscrewed from the cabinet cover.

- Three screws are unscrewed from the lower cover.
- ② The lower cover is disassembled.

- The control panel is removed.
- ③ Screw is unscrewed from the cabinet cover.

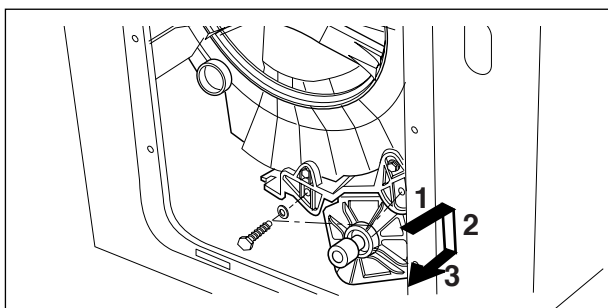
- Take apart the tub gasket clamp
- ④ Make sure that the drain hole of the gasket is put beneath when reassembling the gasket.
- Refer to the arrow mark on the tub cover.

PULLEY, MOTOR, DAMPER



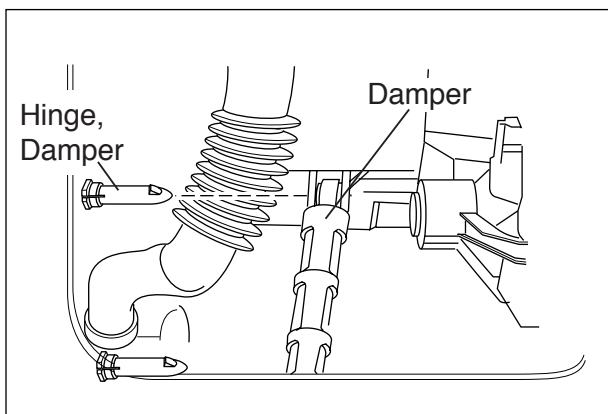
(PULLEY)

- The back cover is removed.
- \pm The belt is pulled off while turning over the pulley.
- \emptyset The bolt is unscrewed to the shaft and then the pulley pulled off.



(MOTOR)

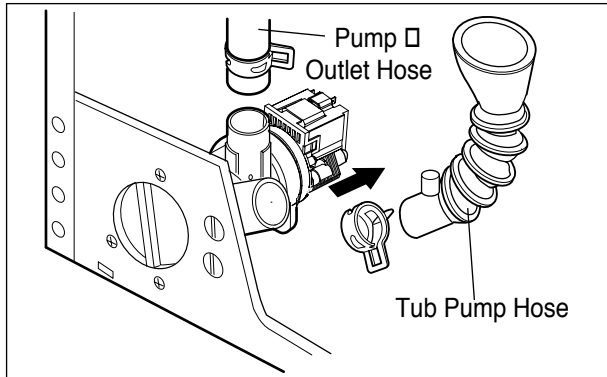
- Two screws are unscrewed from the bracket(Motor).
- \pm The motor is pushed to arrow direction and then it is disassembled.
(When mounting the rubber should be fit the bracket holder<Motor>)



(DAMPER)

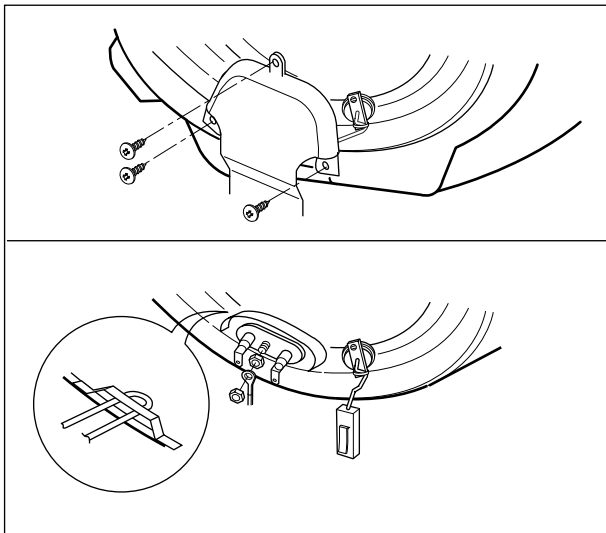
- Lay the washing machine.
- \pm The hinge(Damper) at the tub is pulled off pressing on the snaps at the sharp end.
- \emptyset The hinge at the base is pulled off.

PUMP



- ✧ Remove the pump outlet hose.
- ✧ Remove the tub pump hose.
- ✧ The pump connectors are disconnected, the hose is pulled off.
- ✧ Three screws are unscrewed.
- ✧ The pump is disassembled to arrow direction.

HEATER

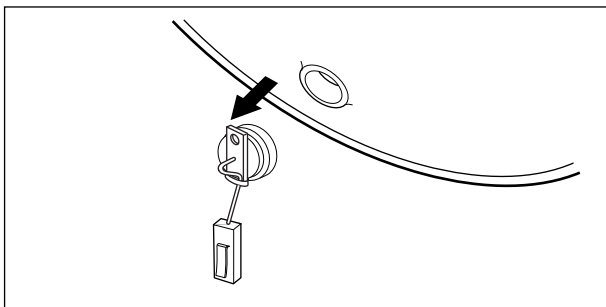


- ✧ Three screws are unscrewed.
- ✧ The heater M6 bolt is loosened and it is released through the tub cover.

CAUTION

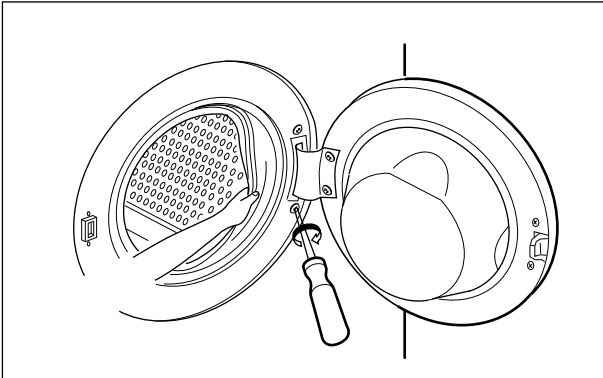
When mounting the heater, the heater should be inserted the heater clip on the bottom of the tub.

THERMISTOR



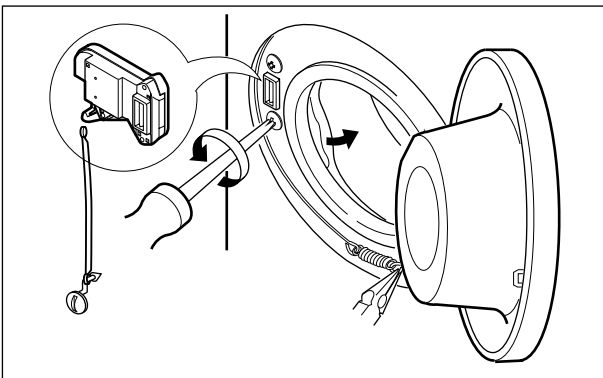
- ✧ Pull it out by holding the thermistor bracket.
- fT* If holding the wire and pulling out it, it may be broken.
- fT* The thermistor should be checked it is pulled to the rubber tightly.

DOOR HINGE ASSY



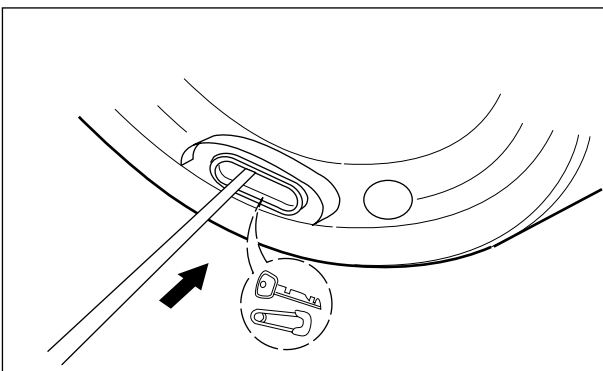
- Two screws are unscrewed on the door and the door is disassembled.
- ⌚ The cabinet cover clamp is removed and the gasket is released.
- ∅ Two screws are unscrewed on the door hinge.
- ⌚ The door hinge is disassembled by pushing the door hinge arm inside the cabinet cover.

SWITCH ASSY, DOOR LOCK



- The cabinet cover clamp is removed and the gasket is released.
- ⌚ Two screws are unscrewed.
- ∅ The Door Lock S/W is disconnected from the wiring connector and the strap.

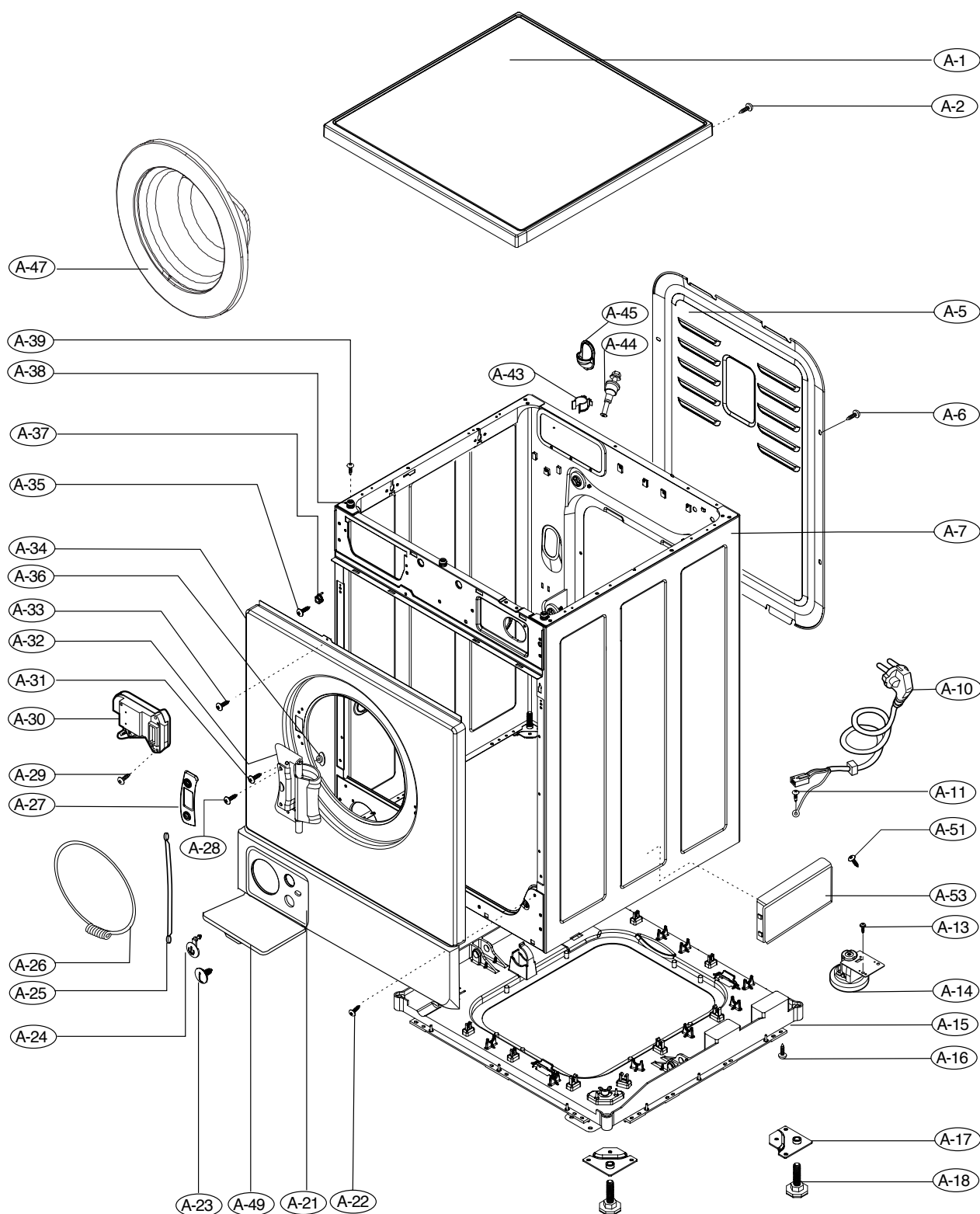
WHEN FOREIGN MATERIAL STACK BETWEEN DRUM AND TUB



- The heater is removed.
- ⌚ The foreign material(wire, coin, etc) is removed by inserting the long bar in the hole.

10. EXPLODED VIEW AND PART LIST

10-1.THE PART LIST OF CABINET ASSY

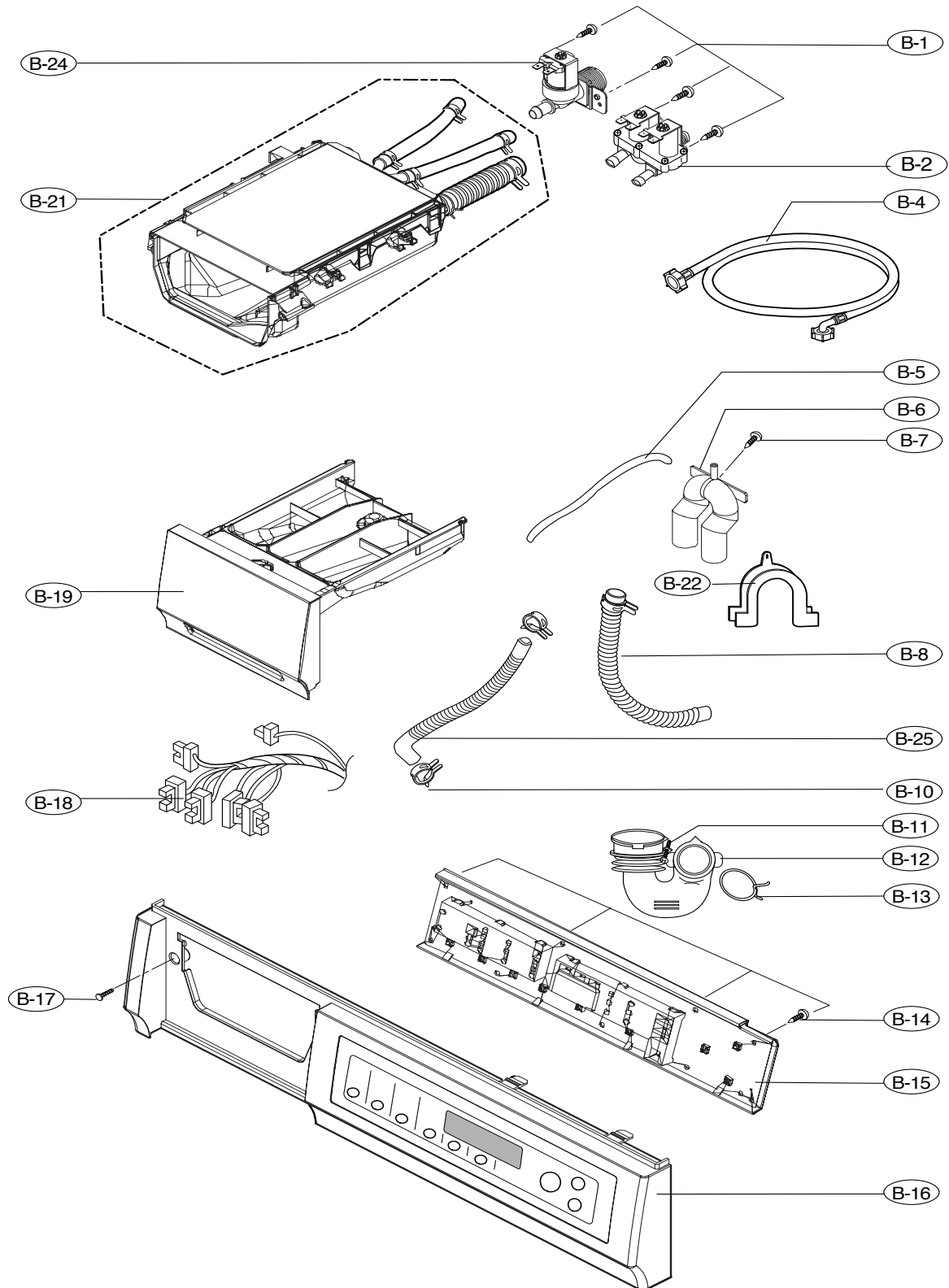


THE PART LIST OF CABINET ASSY

L/No.	PART NAME	PART NO.	SVC CORD	QTY	SPEC
A-1	PLATE ASSY(TOP)	3301ER1001	R	1	
A-2	SCREW, TAPPING TRUSS HEAD £	1TTL0403018		2	
A-5	BACK COVER	3808FR1202A		1	
A-6	SCREW, TAPPING TRUSS HEAD £	1TTG0402618		4	
A-7	CABINET ASSY	3901FR0045		1	
A-10	POWER CORD ASSY *See Appendix(type of power cord)	6411FR1169B	R	1	C-4-2
		6411FR1169D		1	S-2-1
		6411FR1169E		1	B-5
		6411FR1169F		1	B-3
		6411FR1169K		1	B-3(BSI)
		6411FR1169L		1	B-3(SISIR)
		6411FR1169N		1	C-4-2
		6411FR1169P		1	S-2-3
		6411FR1169Q		1	S-2-1
A-11	SCREW	4000W4A003A		4	
A-13	SCREW, TAPPING TRUSS HEAD £	1TTG0402618		1	
A-14	SENSOR PRESSURE	6600FR1704S	R	1	
A-15	BASE	3040FR0049A		1	
A-16	SCREW, TAPPING TRUSS HEAD £	1TTG0403018		24	
A-17	BRACKET, BASE	4810FR4136A		4	
A-18	FEET ASSY	5413FR4154A	R	4	
A-21	COVER, LOWER	3550FR1166	R	1	
A-22	SCREW, TAPPING TRUSS HEAD £	1TTL0402618		3	
A-23	CAP(REMAINING HOSE)	5006FR3146		1	
A-24	OPENER, DOOR	5870FR3147		1	
A-25	STRAP	4640FR4118A		1	
A-26	CLAMP ASSY, CABINET GASKET	2W20017A		1	

L/No.	PART NAME	PART NO.	SVC CORD	QTY	SPEC
A-27	GUIDE	4974FR4145		1	
A-28	SCREW	4000FD4191A		2	
A-29	SCREW, TAPPING TRUSS HEAD £	1TTL0403032		2	
A-30	SWITCH ASSY, DOOR LOCK	6601FR1119C	R	1	220-240VAC
		6601FR1262A	R	1	220-240VAC (EMZ)
A-31	SCREW	4000FD4191A		2	
A-32	HINGE ASSY	4775FR2114B		1	
A-33	SCREW, TAPPING TRUSS HEAD £	1TTL0403032		1	
A-34	COVER, CABINET	3550FR1213		1	
A-35	SCREW, TAPPING PAN HEAD £	1TPL0402618		2	
A-37	HOLDER	4930FR4157A		2	
A-38	HOLDER	4930ER4001A		3	
A-39	SCREW, TAP TITE(S) PAN HEAD £	1SCPF040327		3	
A-43	HOLDER	4930FR3151A		1	
A-44	BOLT ASSY, TRANSIT	4011FR3159A		4	
A-45	BUSHING	4830FR3107		1	
A-47	DOOR ASSY	3581FR1200D		1	
A-49	LOWER COVER CAP	5006FR3179		1	
A-51	SCREW TAPPING TRUSS HEAD £	1TTL0403018		2	
A-53	PWB ASSY(MAIN)	6871EC1008	R	1	220-240VAC

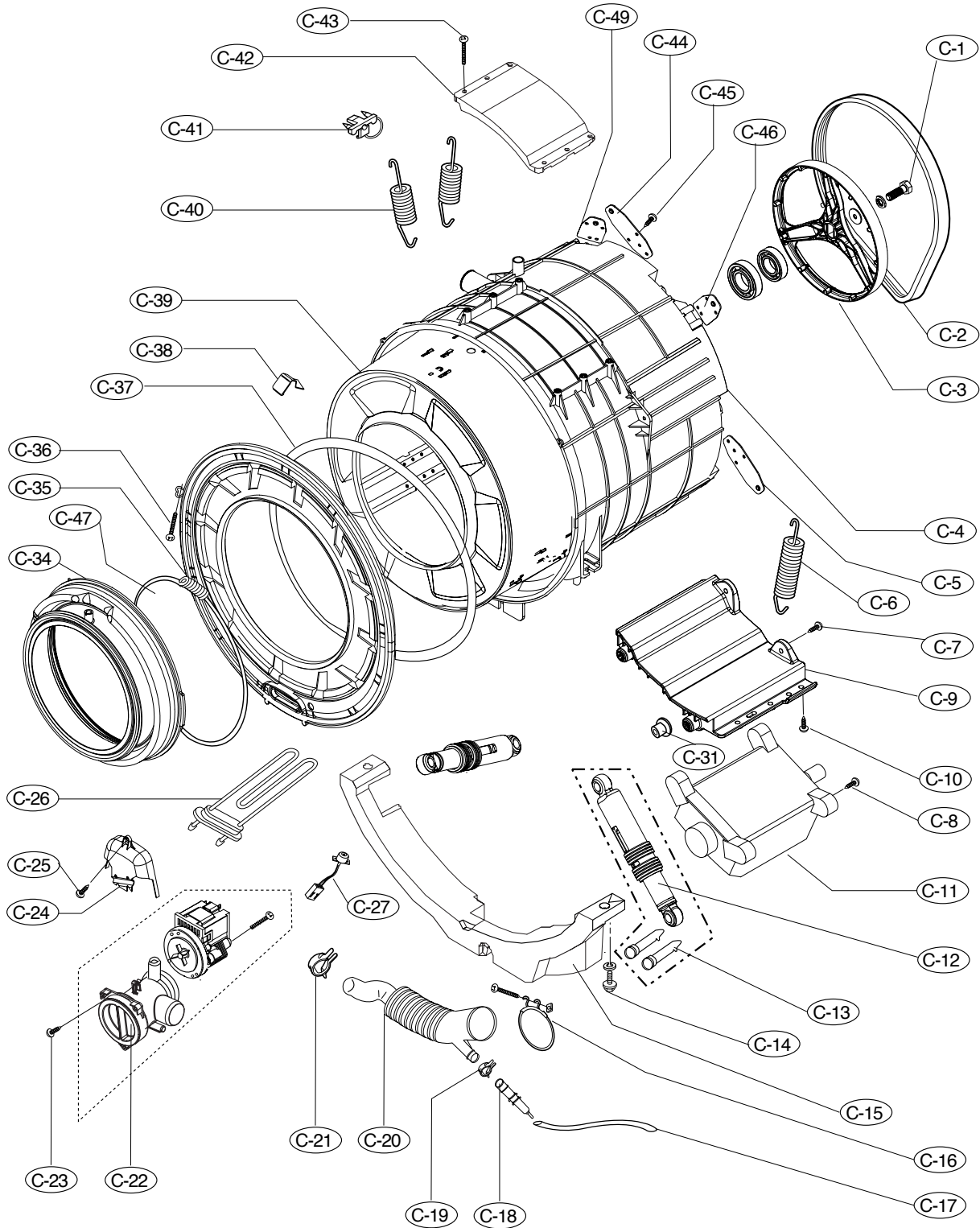
10-2 THE EXPLODED VIEW OF CONTROL PANEL & DISPENSER ASSY



THE PARTS LIST OF CONTROL PANEL & DISPENSER ASSY

L/No.	PART NAME		PART NO.	SVC CORD	QTY	SPEC
B-1	SCREW, MACHINE PAN HEAD		1SCPF040268			
B-2	VALVE		5220FR3067A	R	1	220-240VAC
			5220FR1251A	R	1	220-240VAC (SEMKO)
B-4	HOSE ASSY, INLET		5214FA1146	R	1	
			5215FD3715	R	1	VDE(IMQ)
			3W40102	R	1	VDE(IMQ)
B-5	HOSE		5214FR4125B		1	
B-6	CONNECTOR (MECH), DRAIN HOSE		4932FR3156A		1	
B-7	SCREW, TAPPING TRUSS HEAD		1TTG0402618		1	
B-8	HOSE ASSY, DRAIN		5214FR3188A	R	1	
B-10	CLAMP		4861FR3068C		2	
B-11	CLAMP		4860FR3092D		1	
B-12	BELLOWS		4738FR2065A	R	1	
B-13	RING, SNAP		3W500120		1	
B-14	SCREW		4W51132A		9	
B-15	PWB ASSY(DISPLAY)		6871FC2272D	R	1	
B-16	PANEL ASSY, CONTROL	WD-1223F(H)/WD-1225F(H)	3721ER1004	R	1	
		WD-1243F(H)/WD-1245F(H)	3721FR1196	R	1	
B-17	SCREW, TAPPING TRUSS HEAD		1TTL0403532			
B-18	LEAD WIRE ASSY		6877ER1002A		1	MAIN
			6877ER1002B		1	MAIN(Hot)
			6877ER1192B	R	1	MOTOR~PWB
			6877FC2261B		1	DISPLAY~PWB
B-19	PANEL ASSY, DRAWER	WD-1223F(H)/WD-1225F(H)	3721ER1001	R	1	
		WD-1243F(H)/WD-1245F(H)	3721FR1244		1	
B-21	DISPENSER ASSY		4925FR1137F	R	1	
			4925FR1137G		1	HEATING
B-22	DRAIN HOSE HANGER		3W50712A		1	
B-24	VALVE		5220FR1280A	R	1	220-240VAC (HEATING)
B-25	HOSE, PUMP		5214FR3188A	R	1	

10-3 THE EXPLODED VIEW OF DRUM & TUB ASSY

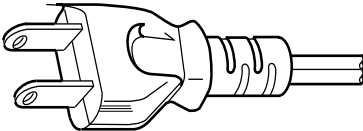
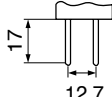
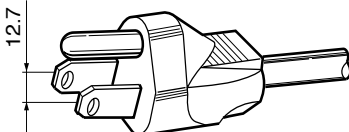
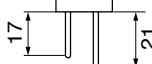
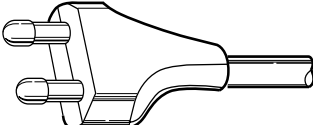
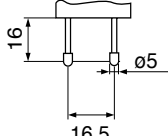
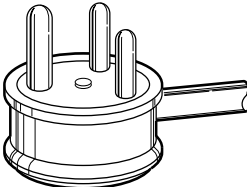
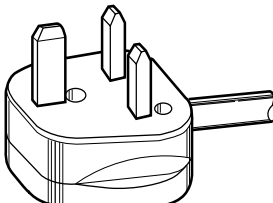
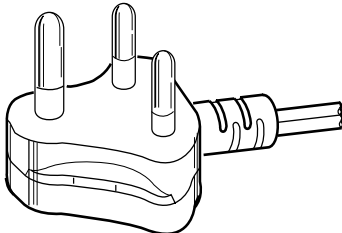
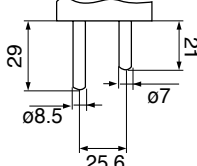
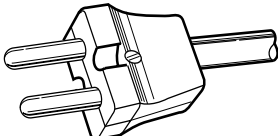
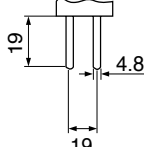


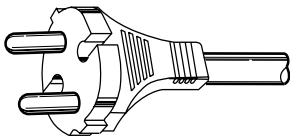
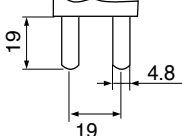
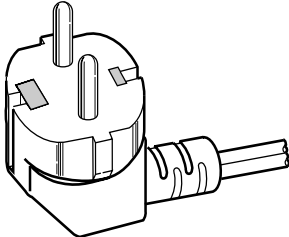
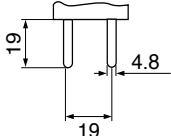
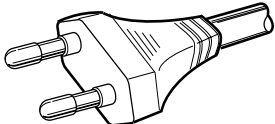
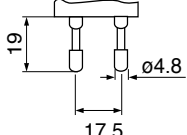
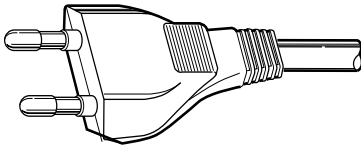
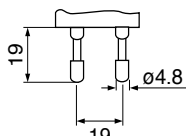
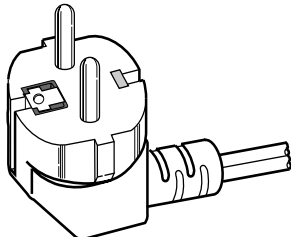
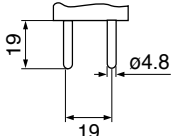
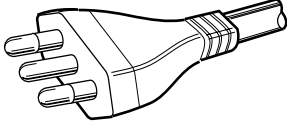
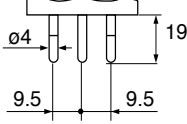
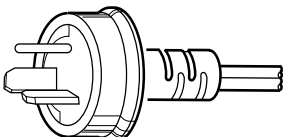
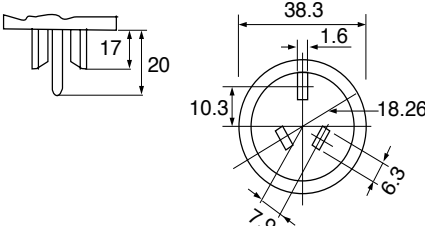
THE PART LIST OF DRUM & TUB ASSY

L/No.	PART NAME	PART NO.	SVC CORD	QTY	SPEC
C-1	BOLT ASSY	4011FR3173A		1	
C-2	BELT, POLY-V	4400FR3116A	R	1	
C-3	PULLEY	4560FR1149A	R	1	
C-4	TUB ASSY	3045FR0031C		1	
C-5	BRACKET	4810FR4167A		1	
C-6	SPRING	4970FR2084F	R	1	
C-7	SCREW	1SZZFA4362A		2	
C-8	SCREW	1SZZFR4174A		2	
C-9	BRACKET, MOTOR	4810FR1197A		1	
C-10	SCREW	1SZZFA4362A		4	
C-11	MOTOR ASSY	4681FR1241B	R	1	220-240VDC
C-12	DAMPER ASSY	4901FR2080A	R	2	
C-13	HINGE	4774FR3118A	R	4	
C-14	BOLT ASSY	4011FR3173B		3	
C-15	WEIGHT, BALANCE LOWER	4844FR1283A		1	
C-16	CLAMP	4860FR3092C		1	
C-17	HOSE(SENSOR)	5214FR4125J	R	1	
C-18	CHAMBER, AIR	3504FR3134A	R	1	
C-19	CLAMP, HOSE	4861FR3068C		3	
C-20	BELLOWS	4738FR1145A	R	1	
C-21	CLAMP, HOSE	4861FR3068E		1	
C-22	HOUSING ASSY (MECH), PUMP	3661FR2093	R	1	
C-23	SCREW, TAPPING TURSS HEAD	1TTL0403018		3	
C-24	PROTECTOR (MECH)	3740FR3043A		1	
C-25	SCREW, TAPPING TURSS HEAD	1TTL0403318		3	
C-26	HEATER ASSY	5301FR1158A	R	1	220VAC2500W
		5301FR1158B		1	240VAC2000W
		5301FR1158C		1	220VAC2000W
		5301FR1158D		1	230VAC2000W

L/No.	PART NAME	PART NO.	SVC CORD	QTY	SPEC
C-27	THERMISTOR	6322FR2046B	R	1	
C-31	RUBBER	5040FR4168B	R	4	
C-34	GASKET	4987FR1165B		1	
C-35	COVER, TUB	3044FR0027A	R	1	
C-36	SCREW, TAPPING TURSS HEAD	1TTL0403318		3	
C-37	SEAL	4036FR4123A		1	
C-38	CLAMP, TUB	4860FR4124A		11	
C-39	TUB, DRUM ASSY	3044FR1220		1	
C-40	SPRING	4970FR2084E		2	
C-41	HOLDER(SPRING)	4930FR3040A	R	3	
C-42	WEIGHT, BALANCE UPPER	4844FR1223A	R	1	
C-43	SCREW	1SZZFA4362A		6	
C-44	BRACKET RIGHT	4810FR4166A		1	
C-45	SCREW	1TTL0503318		12	
C-46	BRACKET UPPER LEFT	4810FR4126A		2	
C-47	TUB GASKET CLAMP ASSY	4861ER2001A		1	
C-49	BRACKET UPPER RIGHT	4180FR4126B		1	
C-50	SCREW	4W51132A		3	

APPENDIX(The type of power cord)

TYPE	TYPE OF PLUG	POWER CORD P/No.												
A-1	 	- □												
A-2	 	-												
B-1	 	-												
B-2	 <table data-bbox="782 1057 1085 1187"><tr><td>2A</td><td>2PIN</td><td>3.50</td><td>EPIN 50</td></tr><tr><td>5A</td><td>2PIN</td><td>50</td><td>EPIN 70</td></tr><tr><td>15A</td><td>2PIN</td><td>70</td><td>EPIN 8.60</td></tr></table>	2A	2PIN	3.50	EPIN 50	5A	2PIN	50	EPIN 70	15A	2PIN	70	EPIN 8.60	-
2A	2PIN	3.50	EPIN 50											
5A	2PIN	50	EPIN 70											
15A	2PIN	70	EPIN 8.60											
B-3		6411FR1169F												
B-5	 	6411FR1169E												
C-1	 	-												

TYPE	TYPE OF PLUG	POWER CORD P/No.
C-2-1	 	-
C-2-2	 	6411FD1096V
C-3-1	 	-
C-3-2	 	-
C-4-2	 	6411FR1169B 6411FR1169N
C-5	 	-
S-2-1	 	6411FR1169D 6411FR1169P 6411FR1169Q