SAMSUNG

WASHING MACHINE
DRUM TYPE

Model Name : (WW5100A Project)

WW8*A****
WW7*A******
WW65A******

SERVICE Manual

REPAIR GUIDE

WASHING MACHINE (DRUM)

WW70AA626AE/LE

CONTENTS

CONTENTS

1. SAFETY INSTRUCTIONS

1-1. SAFETY INSTRUCTIONS

- Make sure to observe the following instructions to operate the product correctly and safely and prevent possible accidents and hazards while servicing.
- Two types of safety symbols, Warning and Caution, are used in the safety instructions.

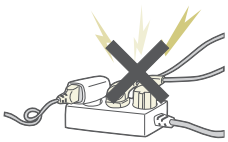
⚠ WARNING	Hazards or unsafe practices that may result in severe personal injury or death.
⚠ CAUTION	Hazards or unsafe practices that may result in minor personal injury or property damage.

- Following the repair by a non-authorised service provider, self-repair or non-professional repair of the product, Samsung is not liable for any damage to the product, any injury or any other product safety issue caused by any attempt to repair the product which does not carefully follow these repair and maintenance instructions. Any damage to the product caused by an attempt to repair the product by any person other than a Samsung certified service provider will not be covered by the warranty.

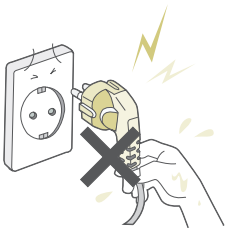
⚠ WARNING BEFORE SERVICING

- (When servicing electrical parts or harnesses) Make sure to disconnect the power plug before servicing.
  - ✔ Failing to do so may result in a risk of electric shock.

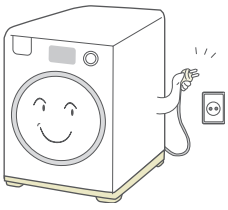
- Advise consumers not to connect several appliances to a single power outlet at the same time.
  - ✔ There is a risk of fire due to overheating.



- When removing the power cord, make sure to hold the power plug when pulling the plug from the outlet.
  - ✔ Failing to do so may damage the plug or power outlet and result in fire or electric shock.



- When the washing machine is not being used, make sure to disconnect the power plug from the power outlet.
  - ✔ Failing to do so may result in result in accidental operation of the washing machine.



- Do not place or use gasoline, thinners, alcohol, or other flammable or explosive substances near the washing machine.
  - ✔ There is a risk of explosion and fire caused from electric sparks.

⚠ WARNING WHILE SERVICING

- Check if the power plug and outlet are damaged, flattened, cut or otherwise degraded.
  - ✔ If faulty, replace it immediately.
    Failing to do so may result in electric shock or fire.

- Completely remove any dust or foreign material from the housing, wiring and connection parts.
  - ✔ This will prevent a risk of fire due to tracking and shorts in advance.

- When connecting wires, make sure to connect them using the relevant connectors and check that they are properly connected.
  - ✔ Do not use tape instead of the connectors, it may cause fire due to tracking.

- Make sure to discharge the PBA power terminals before starting the service.
  - ✔ Failing to do so may result in a high voltage electric shock.

- When replacing the heater, make sure to fasten the nut after ensuring that it is inserted into the bracket-heater.
  - ✔ If not inserted into the bracket-heater, it touches the drum and causes noise and electric leakage.

- Do not repair the washing machine without safety gloves.
  - ✔ It can cause injury.

⚠ WARNING AFTER SERVICING

- Check the wiring.
  - ✔ Ensure that the wiring can not be damaged by any sharp edges or moving parts.

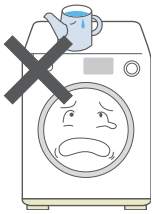
- Check for any water leakage.
  - ✔ Perform a test run for the washing machine using the standard course and check whether there is any water leakage through the floor section or the pipes.

- Advise consumers not to repair or service any part of the washing machine themselves.
  - ✔ This may result in personal injury and shorten the product lifetime.

⚠ CAUTION BEFORE SERVICING

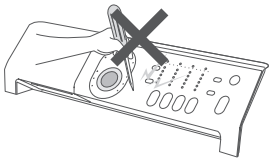
- Do not sprinkle water onto the washing machine directly when cleaning it.
  - ✔ This may result in electric shock or fire, and may shorten the product lifetime.

- Do not place any containers with water or any other liquid on the washing machine
  - ✔ If the water is spilled, it may result in electric shock or fire. This will also shorten the product lifetime.



- Do not install the washing machine in a location exposed to snow or rain.
  - ✔ This may result in electric shock or fire, and shorten the product lifetime.

- Do not press a control button using a sharp tool or object.
  - ✔ This may result in electric shock or damage to the product.



⚠ CAUTION WHILE SERVICING

- When wiring a harness, make sure to seal it completely so no liquid can enter.
  - ✔ Take care when disconnecting connectors, do not use excessive force as this may damage the connector.

- Check if there is any residue that shows that liquid entered the electric parts or harnesses.
  - ✔ If any liquid has entered into a part, replace it or completely remove any remaining moisture from it.

- If you need to place the washing machine on its back for servicing purposes, place a support(s) on the floor and lay it down carefully so its side is on the floor.
  - ✔ Do not lay it down on its front. This may result in the inside tub damaging parts.

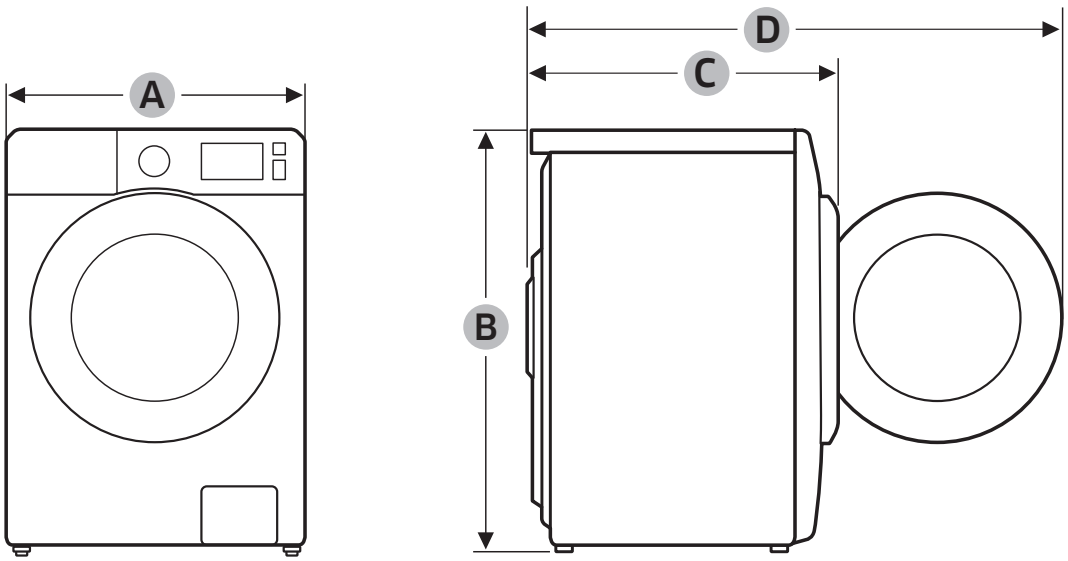
- At least two people should work when working with heavy products.

2. FEATURES AND SPECIFICATIONS

2-1. SPECIFICATIONS

MODEL	WW70AA626AE/LE
Model name	FRONT LOADING TYPE
Dimensions	600 x 850 x 450
Water pressure	50 kPa ~ 800 kPa
Drum Volume	48L
NET weight	48L
Wash and spin capacity	7 kg
Power consumption	1900 - 2300W
Spin revolutions	1200rpm

- please visit Samsung official website to receive most up-to-date information about software and product maintenance.



Model	WW70AA626AE/LE
Width (A)	600 mm
Height-Overall (B)	850 mm
Depth (C)	450 mm
Depth with door open 90° (D)	965 mm

2-2. COMPARING SPECIFICATIONS WITH EXISTING MODELS

Model Name		WW70AA626AE/LE
Image		
Main Spec	Capacity	7
	Drum Volume	48
	Max RPM	1200
	Motor	DIT
	Water Supply	Cold only
	Drainage	Pump
USP	ECO BUBBLE	●
	Add Wash	●
	Steam	●
	AOW/AD	X
	Super Speed	X
	Wifi	X
	Q-Drive	X
Design	DOOR	Basic
	Drum	Swirl
	DISPLAY	G. LED

2-3. OPTIONS SPECIFICATIONS

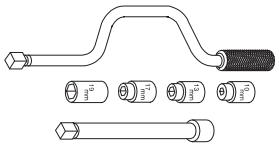
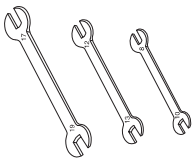
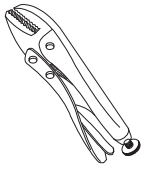
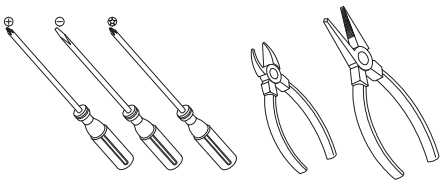
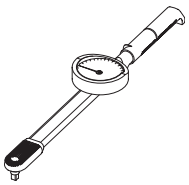
NO	Unit	Part Code	Figure	Description	Qty
1	Bolt Spanner	DC60-40146A		To remove the shipping bolts To adjust the leveling leg	1
2	Assy Hose Water	DC97-17845A (Cold) DC97-17845B (Hot)		To setup water supply.	Cold only1, Cold+Hot 2(★)
3	Hose Water (Aqua-Stop)	DC67-00675A		To setup water supply.	1(★)
4	Manual Users	DC68-03649A~Z		To explain the product operation and installation	1
5	Cap Fixer	DC67-00307A		To cover the holes	3
6	Hose Hanger	DC67-00357A		To secure the drain hose.	1
7	Guide Liquid	DC61-03510A		To use liquid detergent.	1(★)

Note

- (★) is supplied for specific models only among those without water supply hoses.
- Customer can purchase additional water supply and drain hoses from a service center.
- For built-in models, the spanner, water supply and drain hoses are not supplied. Both the water supply and drain hoses are supplied during the installation.

3. DISASSEMBLY AND REASSEMBLY

3-1. TOOLS FOR DISASSEMBLY AND REASSEMBLY

Tool		Type	Remarks
	Box driver	10mm 13mm 19mm	Heater(1),Tub(12), Fixer screw(5), Motor(2), Balance(9) Shock Absorber (2 holes each in left/right), Damper(2), Damper(friction 2) Pulley(1)
	Double-ended spanner	10mm 13mm 19mm	Replaced by box driver Leg
	Vice pliers		A Tool for protecting empty turning of bolt or abrasion from using box driver For disassembly of Spin drum
	Others (screwdriver, nipper, long nose pliers)		Common tools for servicing
	Torque wrench		The Tool for assembly of heater and Tub

- For information about purchasing parts and tool, please visit http://www.samsung.com/support
- For the part code information, please refer the attached file 'Exploded View'.

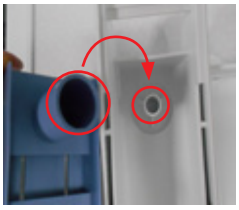
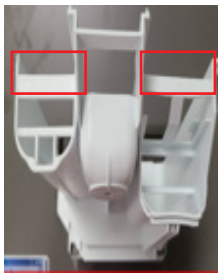
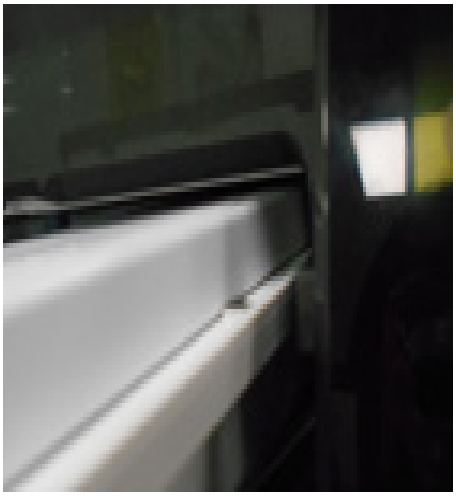
3-2. STANDARD DISASSEMBLY DRAWINGS

► This is a standard disassembly diagram and may differ from the actual product.
Use this material as a reference when disassembling and reassembling the product.

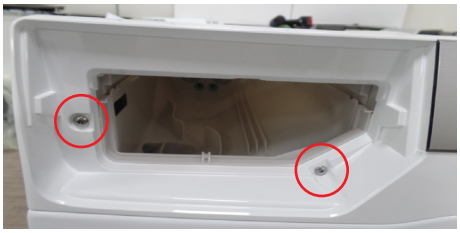
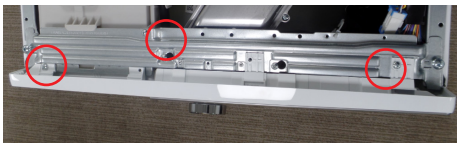
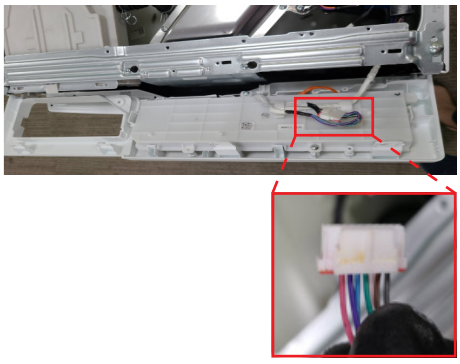
■ Disassembly

Part	Figure	Description
Assy Cover Top		1. Remove 2 screws holding the Cover Top at the back of the unit using (+) screw driver.
		2. Remove the Cover Top by lifting it up after pulling it back about 15mm.
Assy Drawer		1. Open the Drawer by hand
		2. While holding down the release lever inside the drawer (red box), slide open the drawer.
		3. Pull up the Cap Rinse to remove it.

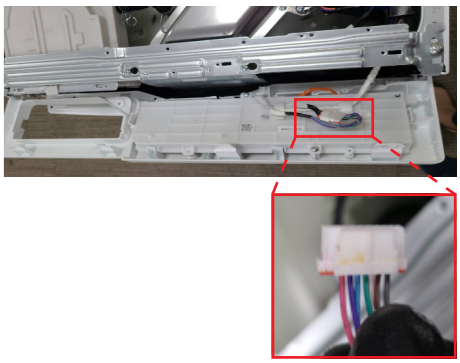
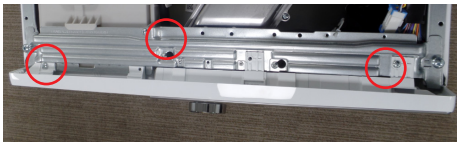
■ Reassembly

Part	Figure	Description
Assy Drawer	 	1. Fit the hole and press the Cap Rinse so that it can be assembled.
	  	2. Make sure to fit the rail when reassembling the Assy drawer.
		3. Put the drawer in the right direction.

■ Disassembly

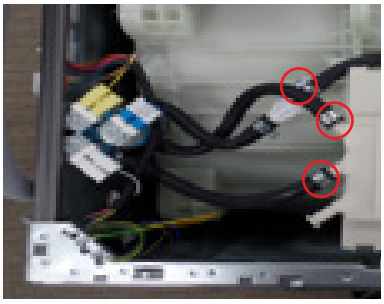
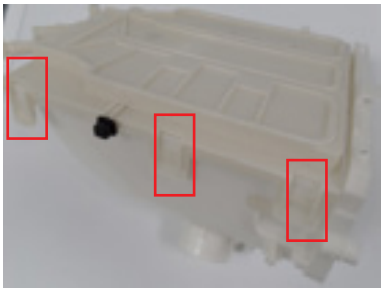
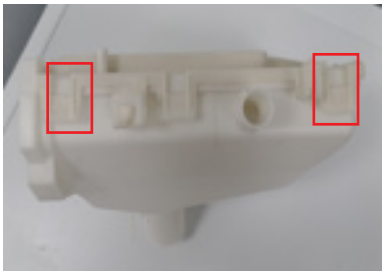
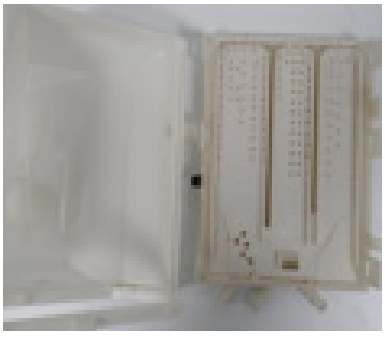
Part	Figure	Description
Assy Panel Control (LED) 		- Before you start, disassemble Assy Cover Top, Assy Drawer. 1. Remove 2 screws holding the drawer and panel using (+) screw driver.
		2. Remove the screws at the top of the ASSY-PANEL CONTROL using (+) screw driver. (3ea)
		3. Grab the panel and slightly push the housing drawer to remove the hook and pull the panel upwards to disassemble with body. Be careful not to break the hook.
		4. Hold the ASSY-PANEL CONTROL while pulling it upwards and disassemble the terminal to remove it. Press the hook while removing the terminal.

■ Reassembly

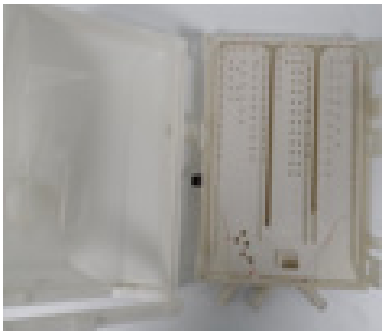
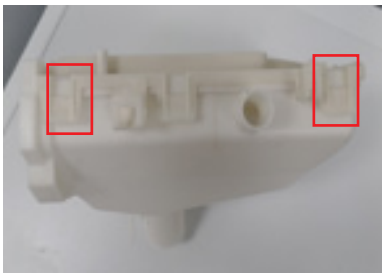
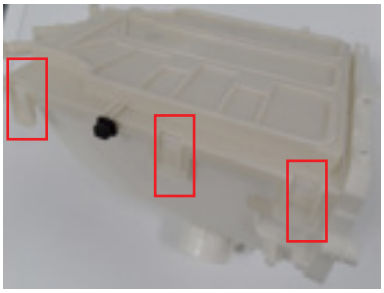
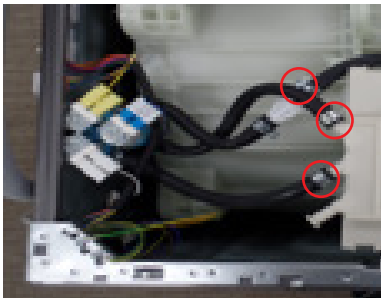
Part	Figure	Description
Assy Panel Control (LED) 		1. Connect the terminal by hand. Take a look at the hook and put it in the right place. Make sure the Wire harness are not getting stuck in other parts.
	 	2. Assemble the hook of housing drawer and aseemble screws at the top of the ASSY-PANEL CONTROL with (+) screw driver. Be careful not to break the hook.
		3. Assemble 2 screws holding the drawer and panel with (+) screw driver.

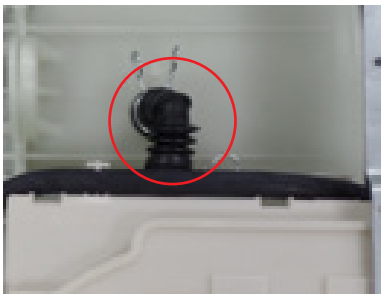
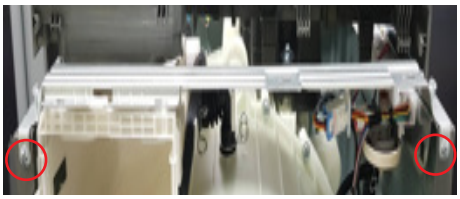
■ Disassembly

Part	Figure	Description
Assy Housing-Drawer	 	Before you start, disassemble Assy Cover Top, Assy Panel Control. 1. Remove 4 screws to disassemble frame plate-up using (+) screw driver.
	  	2. Remove the Band-ring. (2ea) Be careful not to break the hose.

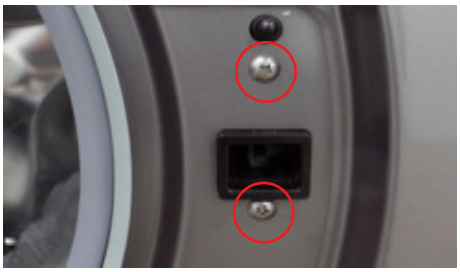
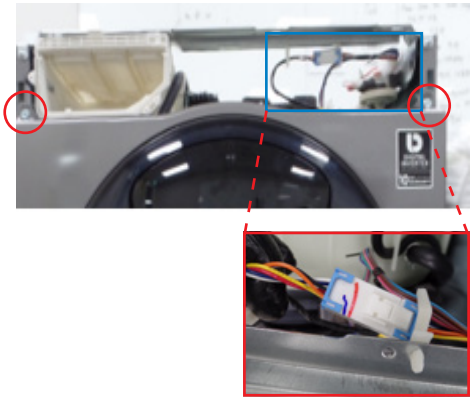
Part	Figure	Description
Assy Housing-Drawer	 	3. Separate the water valve hose with long nose plier.
	  	4. Separate Housing Drawer low by pressing the hooks on both sides by hand. To fully separate, disassemble Water Valve. Be careful not to break the hook.

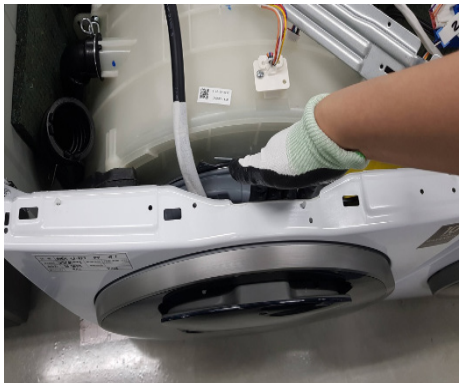
■ Reassembly

Part	Figure	Description
Assy Housing-Drawer	  	1. Assemble the Housing Drawer low by pressing the hooks on both sides by hand. Be careful not to break the hose.
	 	2. Assemble the water valve hose with long nose plier. Be careful not to break the hook. Make sure to insert the hoses and assemble the clamp, band rings correctly. There're risks of leakage or poor performance when it's misassembled.

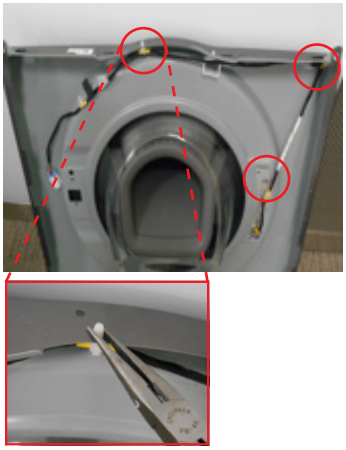
Part	Figure	Description
Assy Housing-Drawer	  	3. Assemble the Band rings. (2ea) Make sure to insert the hoses and assemble the clamp, band rings correctly. There're risks of leakage or poor performance when it's misassembled.
	 	4. Remove 4 screws to disassemble frame plate-up using (+) screw driver.

■ Disassembly

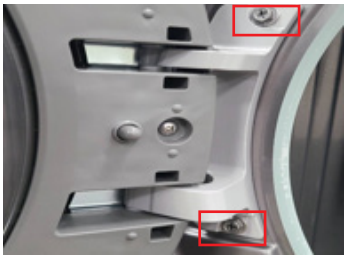
Part	Figure	Description
Frame Front	 	Before you start, disassemble Assy Cover Top, Assy Panel Control. Be careful not to tear up the diaphragm. 1. Using long nose pliers, pick up one of the rings on Wire-Diaphragm which connect the spring and the wire ends. Then, separate the Wire-Diaphragm from the FRAME-FRONT and Disconnect the Diaphragm.
		2. Remove 2 screws holding the DOOR-LOCK switch with (+) screw driver.
		3. Disassemble the terminal (the blue box is terminal location) by pressing the blue circle part and remove 2 screws holding the Frame Front with (+) screw driver.
		4. Press the circled place to open up the cover filter.
		5. Remove 3 screws holding the bottom of the FRAME-FRONT with (+) screw driver.

Part	Figure	Description
Frame Front	 	6. Remove cover filter by hand. 7. Press the hook to remove Guide cover filter using (-) screw driver. Be careful not to break the hook.
		8. Pull the Guide filter towards you.
		9. Lift Frame front up to disassemble.
Cover-Back	  	Unfasten 6(Depending on the model, there can be 4 screws) screws that hold the cover back in place with (+) screw driver. Remove the back cover by sliding it up. (When assembling, slide the back cover down.)

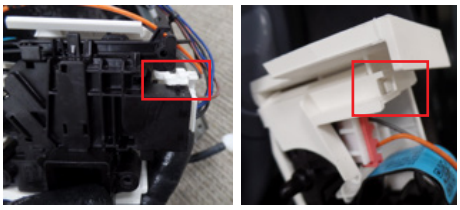
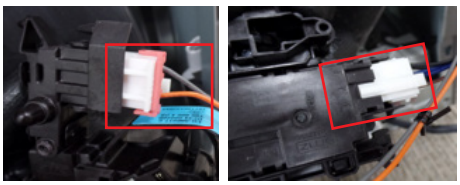
■ Disassembly

Part	Figure	Description
Assy Door		Before you start, disassemble Assy Cover Top, Assy Panel Control and Frame Front. 1. Remove the wire by disassembling the 3 hooks using long nose plier.
		2. Disassemble the terminal and remove the holders using long nose pliers.
		3. Remove 2 screws holding the Assy door. Remove the door by slightly lifting the door.

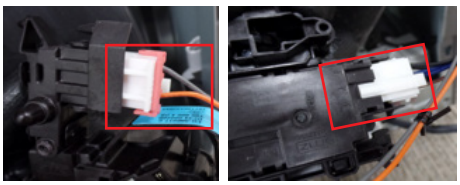
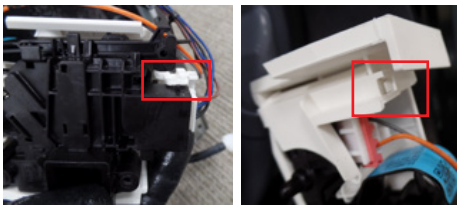
■ Reassembly

Part	Figure	Description
Assy Door		1. Put the terminal through the biggest hole and assemble 3 hooks as shown in the pictures.
		2. Assemble the door with Frame Front by fitting the two hooks and assemble 2 screws holding the Assy door with (+) screw driver.
		3. Assemble 3 hooks using hand.
		4. Assemble the terminal and the holders. Make sure the Wire harness are not getting stuck in other parts.

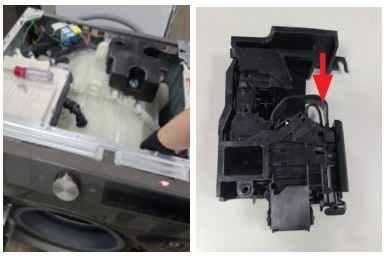
■ Disassembly

Part	Figure	Description
Door-Lock S/W		Before you start, disassemble Assy Cover Top and Assy Panel Control. 1. Open the Door. Remove the Wire Diaphragm and remove the Frame Front.
		2. Remove 2 screws with (+) screw driver.
		3. Remove Cover Door Switch by gently pushing the red box part with (-) screw driver.
		4. Disassemble the terminals. (2ea)

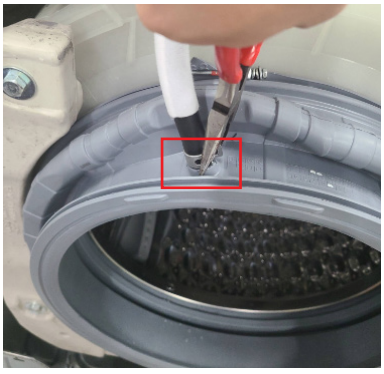
■ Reassembly

Part	Figure	Description
Door-Lock S/W		1. Assemble the terminals. (2ea) Make sure the Wire harness are not getting stuck in other parts.
		2. Assemble the Cover Door Switch by gently pushing the red box part with hand. Make sure the Wire harness are not getting stuck in other parts.
	 	3. Assemble the screws with (+) screw driver. (2ea) 4. Assemble the wire diaphragm and Frame Front. If the wire diaphragm is loose after assembly or is not correctly assembled at the correct position (5 o'clock or 7 o'clock), water leakage may occur.

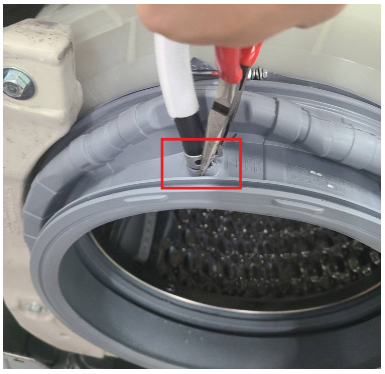
■ How to force open the locked Door

Part	Figure	Description
Door-Lock S/W		Before you start, disassemble Cover Top first 1. Put your hand to press the Door-Lock Switch. (The location you need to press is shown in the picture with arrow)

■ Disassembly

Part	Figure	Description
Diaphragm	  	Before you start, remove cover top, Assy Drawer, Assy Panel Control and Frame Front. 1. Remove hose and clamp with long nose plier, and unfasten the screw with (+) screw driver.
		2. Pull diaphragm towards you. Be careful not to rip diaphragm.

■ Reassembly

Part	Figure	Description
Diaphragm		1. Assemble the Diaphragm with tub by hand. Diaphragm and tub has triangle part make sure to fit them correctly.
	  	2. Assemble hose and clamp with long nose plier, and fasten the screw with (+) screw driver.

4. TROUBLESHOOTING

4-1. INFORMATION CODE

► **When an abnormal condition occurs, melody sounds and displays Info. code indications as shown in the following Info. codes are shown until the status has cleared.**

No.	Information Type	Information Code	Causes	Corrective Actions
1	Water Level	1C	- The part of the hose where the water level sensor is located is damaged (punctured). - The hose is clogged with foreign material. - The hose is folded. - Too much lubricant has been applied to the insertion part of the air hose. - Hose engagement error (disengaged) - Part fault (Faulty internal soldering) - The water level sensor terminal is disengaged. - Main PBA fault	• Water level sensor fault. • The water level sensor terminal is disengaged. •The part of the hose where the water level sensor folded. • Main PCB fault.
2	Motor	3C	- The PBA connector terminal is not connected. - The motor spin net is not engaged. - The motor's internal coil is damaged (short-circuited or cut) - Foreign material (a screw) has entered the motor.	• Washing motor fault. • Check Washing motor connector . • Washing motor rotor/stator fault. • Main PCB fault .
		3C1	- Motor overloaded due to too much laundry (Non sensing) - PBA fault	
		3C2	- The motor driving error from the PBA is weak : Unstable relay operation, etc.	
		3C3	- The IPM terminal of the main PBA is not connected. - The DD motor cover is out of place.	
		3C4	- The PCB housing terminal is not connected. - PBA fault - DD motor fault	
3	Water Supply	4C	- Foreign material is entering the water supply valve. - The water supply valve terminal is not connected. (Wire disconnected) - The warm water and rinse connectors are wrongly connected to each other. - This occurs if the PCB terminal from the drain hose to the detergent drawer is not connected. Check whether the transparent hose is folded or torn. - This occurs Water pressure is weak, a certain time delay. - This occurs Water Valve by freezing in winter season.	• Water supply valve fault. • Main PCB fault. • Freezing by winter season.
		4C2	- The water temperature is sensed as higher than 50 ˚C in the Wool or Lingerie courses	-
4	Drain	5C	- The pump motor impeller is damaged internally. - The wrong voltage (220 V→110 V) is supplied to the parts. - Part fault - This occurs due to freezing in the winter season. - The drain hose is clogged. (Injection error, foreign material) - Clogged with foreign material. - The water pump terminal is not connected : rubber band, bills, cotton, hair pins, coins.	• Drain pump fault. • Freezing by winter season. • Check inside foreign material of drain pump. • Main PCB fault.

No.	Information Type	Information Code	Causes	Corrective Actions
5	Communication	AC	- The signals between the sub and main PBAs are not sensed because of a communications error. - Check the connector connections between the sub and main PBAs carefully. → Check for incorrect or loose connections, etc. - Remove the sub PBA C/Panel and check for any faulty soldering.	• Main PCB and Sub PCB Signal Detection fault. • Main PCB and Sub PCB wire connection fault.
6	SWITCH (Main relay)	BC2	- A button other than the Power button is continually pressed (for more than 30 seconds). - Deformation of an internal plastic injection part. - A screw for assembling the sub PBA is tightened too much.	• When pressed Power button. • When pressed button except for power button. • Main PCB relay fault.
7	COOLING	CC	- When the temperature of the water is greater than or equal to 55 ℃, this code appears when the machine does not drain. (reason : It is unsafe for hot water to drain as may burn if touched). - Temperature sensor fault, or incorrect use.	• Washing temperature sensor check. • Description PL Accident prevention.
8	DOOR	dC	- A switch contact error because of a deformation of the door hook. - When the door is pulled by force. - This occurs in the hot washes because the door is pushed due to a pressure difference from internal temperature changes. - S/W contact fault because of LID TC "L" transformation.	• Door lock switch fault. • Drain pump fault. • Dry duct fan motor fault. • Main PCB fault .
		dC1	- The door lock switch terminal is connected incorrectly. - The door lock switch terminal is broken. - This occurs due to Low insualtion of the wiring assy - Main PCB fault	
		dC2	- This occurs if the Power switch is turned on/off continually and too much heat is generated (This error is difficult to be reproduced.)	
9	HEATER	HC	- The washing heater is short-circuited or has a wire disconnected. - The washing heater in the tub has an error.(Contact error, temperature sensor fault) - If the water level sensor operates without water because water is frozen or for any other reason and the temperature sensor engaged at the bottom to prevent overheating for the washing heater detects a temperature of 100 to 150 ˚C, the washing machine turns the input power off.	• Heater fault. • Red temperature sensor at the center of the dry heater. • Steam function fault. • Freezing by winter season.
		HC1		
		HC2	- This error occurs when the red temperature sensor at the center of the dry heater operates (at a temperature higher than 145 ˚C) : Corrective action – Press the button at the center lightly. The washing machine will operate normally. Alternatively, replace the temperature sensor if the temperature sensing is unstable because of functional degradation.	

No.	Information Type	Information Code	Causes	Corrective Actions
10	Water Leakage	LC LC1	- Heater engagement fault. (out of place) - The air hose is out of place and water leakage occurs during the spin cycle. - The tub back at the safety bolts fixing part is broken. - Water leakage occurs at the front with foaming because of too much detergent. - Water leakage occurs because the connecting hose to the detergent drawer is connected incorrectly. - The drain pump filter cover is engaged incorrectly. - Water leakage occurs at the drain hose. - The duct condensing holding screws are worn. - The nozzle-diaphragm is engaged in the opposite direction or the rubber packaging is omitted. - Water leakage occurs because the screws that hold the tub back and front in place are fastened incorrectly. - The leakage sensor is faulty.	• Check Water Leakage. • DV CASE foreign material occurs. • Leakage of the product inside the hose and parts molded problem.
11	OVER FLOW	OC OF	- Water is supplied continually because the water level detection does not work. - Because the drain hose is clogged and there is an injection error (at a narrow section), the water level detection does not work and water is supplied continually. - Water is supplied continually because of freezing or because there is foreign material in the water supply valve. - This may occur when the sensor is faulty or the pressure tube is blocked or damaged.	• Water level sensor fault. • Freezing by winter season .
12	Temperature Sensor	TC1	- The washing heater in the tub has an error. (Contact error, temperature sensor fault) - The connector is connected incorrectly or is disconnected. - If the water level sensor operates without water because the water is frozen or for any other reason and the temperature sensor engaged at the bottom to prevent overheating for the washing heater detects a temperature of 100 to 150 ˚C, the washing machine turns the input power off.	• Washing temperature sensor check. • Dry temperature sensor check • Dry condensing temperature sensor check. • Problems caused by the main PCB fault. • Problems caused by the freezing in winter.
		TC2	- The temperature sensor for the duct assy fan housing is faulty. (A sensor fault such as an internal short-circuit or wire disconnection) - The connector is out of place or has a contact error.	
		TC3	- This occurs when the duct condensing temperature sensor is open. - This occurs when the duct condensing temperature sensor has a wire disconnected or is short-circuited.	
13	UNBALANCE	UB	- As laundry causes this error, check the laundry. - Find the reason for the unbalance and solve it as directed in the user manual.	• This occurs by laundry.

No.	Information Type	Information Code	Causes	Corrective Actions
14	Power	UC (9C)	- Power condition fault. - This occurs when under or over voltage is supplied. - Extension lead or plug adapter is being used. - Main PBA fault (sometimes)	• Check the power supply, polarity and voltage. • Select a hot wash or dry cycle (wd only), measure the voltage supplied during heating. (A error occurs when under voltage is detected.) * Safety ensure safe working practices observed when testing live appliance. • Check if a socket outlet adaptor is being used. • Main PCB fault (sometimes)
15	Mems PBA	8C	- Error detected in the Mems PBA or data error detected.	• Check the wire connections. Replace if necessary. 1. Check the wire connections. 2. Replace the Mems PBA. 3. Main PBA wire connection error or PBA's silver nano part malfunction. Replace if necessary.
16	Add Door	DDC	- A switch contact error because of damage to the Add Door switch. - When the add door is pulled by force. - This occurs in the hot wash because the add door is pushed due to a pressure difference from internal temperature changes. - S/W contact fault because of LID TC "L" transformation.	• Add door open/close switch fault. • Main PCB fault.
		DC3	- The Add Door lock switch terminal is connected incorrectly. - The Add Door lock switch terminal is broken. - This occurs due to Low insualtion of the wiring assy. - Main PCB fault.	• Add door lock switch fault. • Main PCB fault.
17	Detergent Drawer Motor	6C	- Auto detergent dispense motor constrain - Auto detergent dispense motor wiring - Auto detergent dispense motor not operate	• Check motor operation by pressing the laundry when you enter auto detergent dispenser. • If not operation change ASSY PUMP DRAIN.
18	Auto Dispense	6C1	- The input arrest of the detergent motor is sensed.	Check the wire and if necessary replace it. 1. Check Wire connection 2. Replace Assy Pump
		6C2	- The non-operation of the detergent motor is sensed.	
		6C3	- The in put arrest of the fabric softener motor is sensed.	
		6C4	- The non-operation of the fabric softener motor is sensed.	
		6C5	- The motor motion perception sensor fault	
		6C6	- The detergent level perception sensor fault	
		6C7	- The fabric softener level perception sensor fault	

4-2. PROBLEM CHECK POINT

PROBLEM	SOLUTION
The washing machine won't start.	• Make sure the washing machine is plugged in. • Make sure the door is properly closed. • Make sure the water tap is open. • Tap Start or Press Start/Pause button again.
Water supply is insufficient, or no water is supplied.	• Open the water tap fully. • Make sure the water supply hose is not frozen. • Make sure the water supply hose is not kinked or clogged. • Clean the filter on the water supply hose.
The washing machine vibrates badly, or makes noise.	• Make sure the washing machine is installed on a level floor. If the floor is not level, use the leveling feet to adjust the level. • Make sure that the shipping bolts are removed. • Make sure the washing machine is not touching any other object. • Make sure the laundry load is balanced.
The washing machine does not drain and/or spin.	• Make sure the drain hose is straightened all the way to the drain system. • Make sure the debris filter is not clogged.
The door won't open.	• Press the Start/Pause button to stop the washing machine. • The door stays locked as long as the washing machine is still hot inside after a heating operation. • It may take several seconds to disengage the door lock mechanism.
Button Check	• bC occurs. Refer the bC troubleshooting.
Can I open the Add Door at any time?	• The Add Door can be opened only when the indicator appears. However, it does not open in the following cases: - When the water temperature is above 55deg or the drying process is running, when the drum is rotating, at any point on the ECO drum clean cycle. - If you set the Child Lock for safety reasons. - When the drum wash or drum drying cycle is running that does not involve additional laundry.

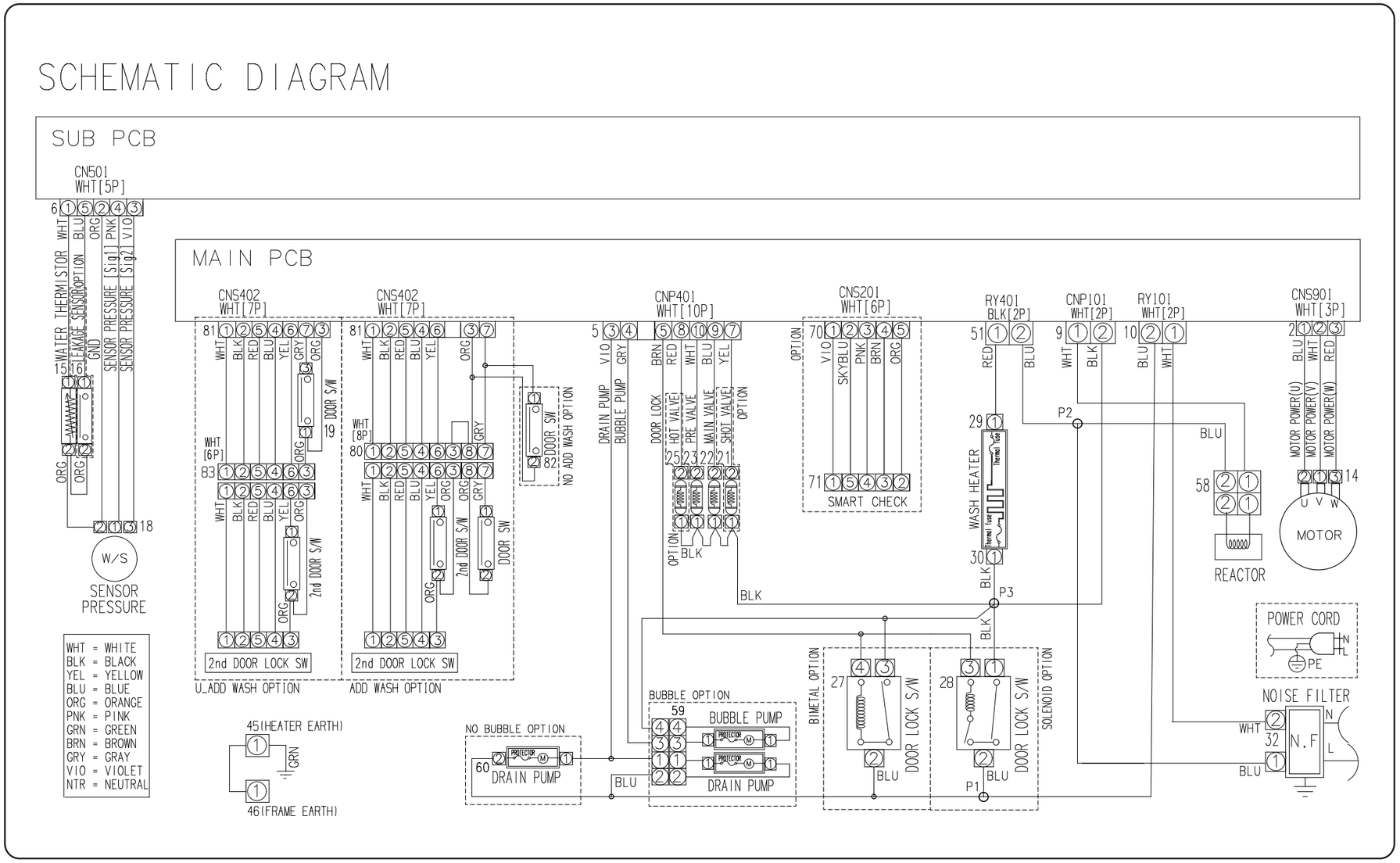
5. WIRING DIAGRAM

5-1. WIRING DIAGRAM

► This Document can not be used without Samsung's authorization.

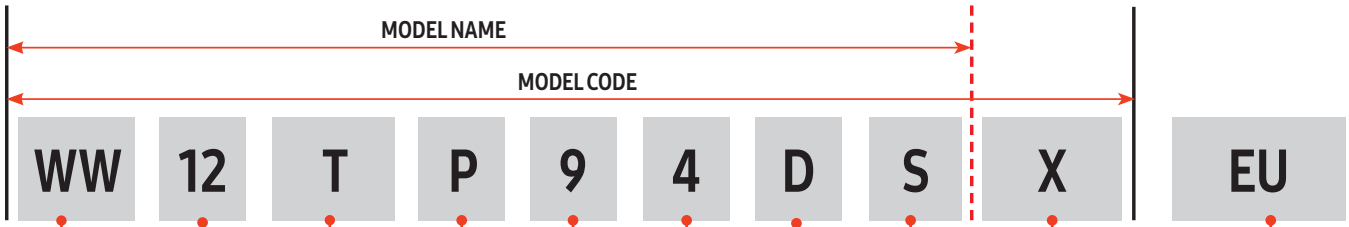
■ REFERENCE INFORMATION

BLK	BLACK
BLU	BLUE
GRN	GREEN
GRY	GRAY
NTR	NATURAL
ORG	ORANGE
PNK	PINK
RED	RED
SKYBLU	SKYBLUE
VIO	VIOLET
WHT	WHITE
YEL	YELLOW



6. REFERENCE

6-1. MODEL NAME



▶ Capacity

3,4-Digit	Capacity
13	13
12	12.5
12	12
11	11.5
11	11
10	10.5
10	10
95	9.5
90	9
85	8.5
80	8
75	7.5
70	7

▶ Project

5-Digit	Year
J	2015
K	2016
M	2017
N	2018
R	2019
T	2020

▶ Feature2

7-Digit	ADD WASH	AOW/AD
9	●	◎
8	●	●
5	●	X
4	X	◎
3	X	●
0	X	X

▶ Body

11-Digit	W/P	Body
W	White	White
H	Silver	White
T	D.silver	White
E	White	White
N	D.silver	Inox
X	Black	Inox
C	Silver	Inox
W	OS	White
S	OS	Silver
S	Black	Silver
G	Silver	Greige
R	Black	Greige
B	Black	Black

▶ Region

▶ Door

10-Digit	DOOR	DOOR	DECO
S	Best	Black	D.silver
W	Better	Black	White
H	Good	White	D.silver
T	Basic	White	White
E	Old Basic	White	-
B	Better	Black	Black
L	Good	Black	D.silver
A	Basic	Black	Black
C	Old Basic	Blue	-
W	OS	White	-
B	OS	Black	-

▶ Product Type

1,2-Digit	Type
WW	Washer
WD	Combo
DV	Dryer

▶ Feature1

6-Digit	Q-DRIVE	UX	GRADE
9	●	Simple	Best
8	●	Simple	Better
7	2nd	Simple	Better
7	2nd (12kg)	Simple	Best
6	X	Simple	Good
5	X	Simple	Basic
A	X	LED	_5000_UI
4	X	LED	_4000_UI
3	X	LED	OS
P	2nd	Simple	Best

▶ Feature3

8-Digit	RPM	MOTOR
6	1600	DIT
4	1400	DIT
2	1200	DIT

▶ Feature4

9-Digit	SUPER SPEED	L.SENSOR	A.HOSE	BUBBLE	WIFI
A	●	●	●	●	●
B	●	X	●	●	●
C	●	●	X	●	●
D	●	X	X	●	●
A	X	●	●	●	●
B	X	X	●	●	●
C	X	●	X	●	●
D	X	X	X	●	●
9	X	●	●	●	X
8	X	X	●	●	X
7	X	●	X	●	X
6	X	X	X	●	X
3	X	●	●	X	X
2	X	X	●	X	X
1	X	●	X	X	X
0	X	X	X	X	X

6-2. TERMINOLOGY

1. Drain Pump	The pump that drains the water from the washing machine generated while the washing machine is running
2. Heater	The heater is located on the tub inside the washing machine. It heats the water to increase wash efficiency.
3. Door Lock Switch	Detects whether the door of the washing machine is open or closed if the door is open while the washing machine is running the cycle is temporary stopped.

SAMSUNG

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Europe, CIS, Mideast & Africa	gspn1.samsungcsportal.com
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