SAMSUNG

WASHING MACHINE DRUM TYPE

The model code is on the next page.



WASHING MACHINE (DRUM)







WD8NK52**A*

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- 1. Safety Instructions
- 2. Features and Specifications
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MODEL CODE

WW8NK*2****	
WD8NK52E0ZW/E0	
WD8NK52E0ZX/EO	
WD8NK52E0ZX/LE	
WD8NK52E0ZW/LE	
WD8NK52K0ZW/EG	
WD8NK52E0ZW/ET	
WD8NK52E0AW/E0	
WD8NK52E3AW/EO	
WD8NK52E0AW/ET	
WD8NK52K0AW/EE	
WD8NK52E0AW/LE	
WD8NK52K0AW/EG	

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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.



Hazards or unsafe practices that may result in severe personal injury or death.



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.

MARNING 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.



A 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.



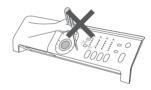
- Do not place any containers with water or any other liquid on the washing machine.
 - If the water is spilled, it may result in electric shock or fire. This will also shorten the product lifetime.



- 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.



A 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.



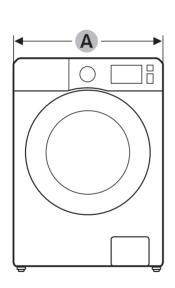
- Check if there is any residue that shows that liquid entered the electric parts or harnesses.
 - ✓ If any liquid has entered into a part, replace it or completely remove any remaining moisture from it.
- If you need to place the washing machine on its back for servicing purposes, place a support(s) 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.

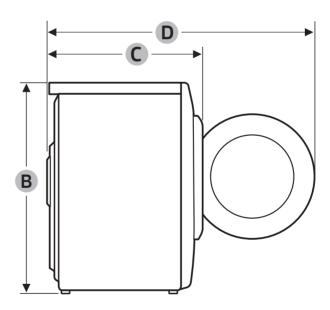
2. FEATURES AND SPECIFICATIONS

2-1. SPECIFICATIONS

MODEL			WD8NK*2**Z*	WD8NK*2**A*
Model name			Front loading washing machine	
Dir	Dimensions (mm)		600x850x456	
W	/ater pressure		50kPa-	1000kPa
N	et weight (kg)		72	71
Wash	and spin capacit	:у	8	0.0
	Machine.	220V	15	OW
	Washing	240V	15	OW
	Washing and	220V	190	00W
Power	heating	240V	230	DOW
consumption	onsumption		160	00W
	Drying	240V	160	00W
	Spin	220V ~240V	60	0W
	PUMPING		30W	
Spin	Spin revolutions(rpm)		12	00

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





Model	WD8NK*2****
Width (A)	600mm
Height-Overall (B)	850mm
Depth (C)	456mm
Depth with door open 90° (D)	1000mm

2-2. COMPARING SPECIFICATIONS WITH EXISTING MODELS

Model name		WD8NK52**Z*	WD8NK52**A*
Image			
	Capacity	8	8
	Dry Capacity	5	5
	Drum Volume	58	58
	Max RPM	1200	1200
Main Spec	Motor	DIT	DIT
	Water Supply	Cold only	Cold only
	Drainage	Pump	Pump
	ECO Bubble	•	•
	Add Wash	•	X
	Steam	•	•
USP	AOW/AD	X	X
USP	Bubble Soak	•	•
	Quick Wash	•	•
	Wifi	X	X
	Q-Drive	X	X
	Door	Add Wash Crystal Blue	Crystal Blue
Design	Drum	Diamiond	Diamiond
	Display	LED	LED
	Dimension	600*456*850	600*456*850

2-3. OPTIONS SPECIFICATIONS

NO	Unit	Part Code	Figure	Description	Qty
1	Bolt Spanner	DC60-40146A	0.03	To remove the shipping bolts To adjust the leveling leg	1
2	Assy Hose Water	DC97-16921A		To setup water supply.	Cold only1, Cold+Hot 2(★)
3	Hose Water (Aqua-Stop)	DC62-00079A		To setup water supply.	1(*)
4	Manual Users	DC68-04050* DC68-04057*		To explain the product operation and installation	1
5	Cap Fixer	DC67-00307A		To cover the holes	4
6	Hose Hanger	DC62-10278A		To secure the drain hose.	1
7	Guide Liquid	DC61-03510A		To use liquid detergent.	1(★)
8	Cap Fixer	DC67-00208B		To cover the power cord hole.	1
9	Anti-slip pads (Sheet Paper)	DC63-01891A		To paste the bottom of assy bolt.	2
10	Seal Washer	DC62-00708C		To cover the shutter hole.	1
11	Seal Washer	DC62-00805A		To cover the shutter hole.	1

Mote

- (★) 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.
- Seal Washer: To be pasted at Rat mesh opennings to avoid Rat entry inside Washing Machine.

3. DISASSEMBLY AND REASSEMBLY

3-1. TOOLS FOR DISASSEMBLY AND REASSEMBLY

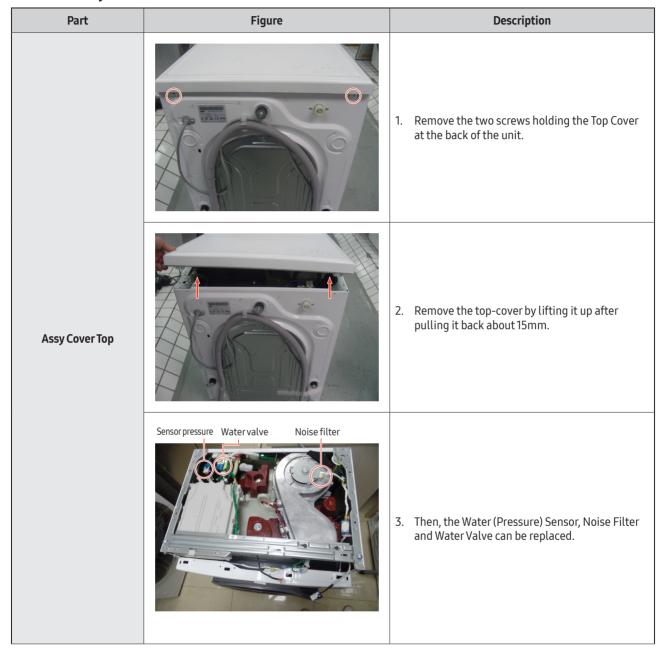
Tool		Туре	Remarks
		10mm	Heater(1),Tub(12), Fixer screw(5), Motor(2), Balance(9)
	Box driver	13mm	Shock Absorber (2 holes each in left/right), Damper(2), Damper(friction 2)
		19mm	Pulley(1)
	Double-ended spanner	10mm 13mm 19mm	Replaced by box driver Leg
	Vice pliers		A Tool for protecting empty turning 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

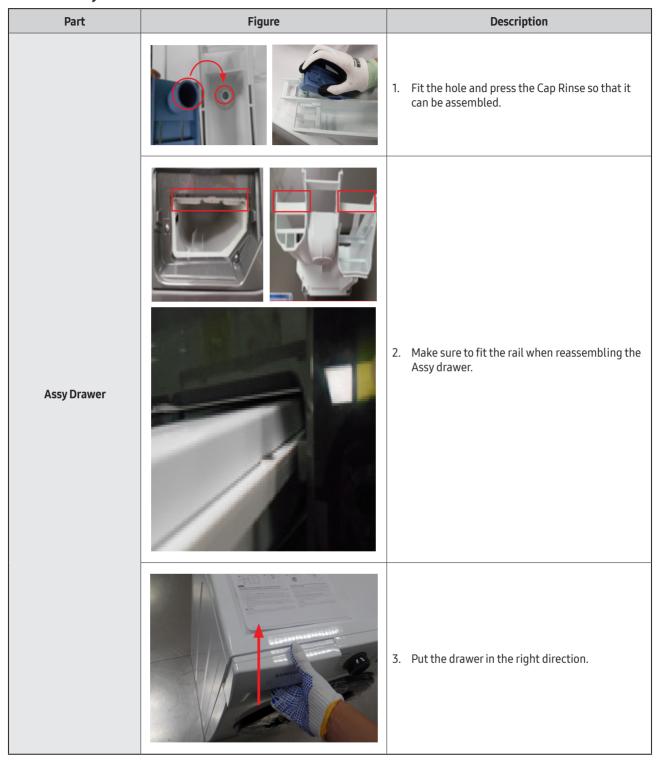
⁻ For the part code information, please refer the attached file 'Exploded View'.

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.



Part	Figure	Description
		1. Open the Drawer by hand
Assy Drawer		While holding down the release lever inside the drawer (red box), slide open the drawer.
		3. Pull up the Cap Rinse to remove it.



Part	Figure	Description
		 Before you start, disassemble Assy Cover Top, Assy Drawer. Remove 2 screws holding the drawer and panel using (+) screw driver.
Assy Panel Control		2. Remove the screws at the top of the ASSYPANEL CONTROL using (+) screw driver. (3ea)
ATTENTION DISERVE PRECATIONS ELECTROSTATIC SERVING DEVCES		 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.

Part	Figure	Description
		 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.
Assy Panel Control ATTENTION OBSERVE MICCIATIONS FOR MARCIAN SERVICE		 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.

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

Part	Figure	Description
		3. Separate the water valve hose with long nose plier.
Assy Housing-Drawer		 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.

Part	Figure	Description
Assy Housing-Drawer		
		Assemble the Housing Drawer low by pressing the hooks on both sides by hand. Be careful not to break the hose.
		 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 plateup using (+) screw driver.

Part	Figure	Description
Frame Front		Before you start, disassemble Assy Cover Top, Assy Panel Control. Be careful not to tear up the diaphragm. 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.
		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 2(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.)

Part	Figure	Description
		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.
Assy Door (Add door model)		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

Part	Figure	Description
	ARKA TARAF ÖN TARAF	Put the terminal through the biggest hole and assemble 3 hooks as shown in the pictures.
		Assemble the door with Frame Front by fitting the two hooks and assemble 2 screws holding the Assy door with (+) screw driver.
Assy Door (Add door model)		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.

Part	Figure	Description
		1. Remove the two screws that used for fixed the ASSY DOOR.
Assy Door (Non Add door model)		2. Take out the door upward.
		3. Remove the three screws.
		4. Open the Door with force, then we can repair other parts.

Part	Figure	Description
		 Assembly the Door Glass with assy holder glass. Assembly the assy holder glass with cover door.
Assy Door (Non Add door model)		3. Assembly the 3 screws.
		4. Assembly the Door with Frame front.
		5. Fix the two screws.

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

Part	Figure	Description
	THE LABOR TO THE L	1. Assemble the terminals. Make sure the Wire harness are not getting stuck in other parts.
Door-Lock S/W		 Assemble the screws with (+) screw driver. (2ea) 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 FILTER first. 1. Put your hand to pull the LEVER ACTUATOR (The location you need to pull is shown in the picture with arrow)

Part	Figure	Description
Diaphragm		Before you start, remove cover top, Assy Drawer, Assy Panel Control and Frame Front. 1. Dissamble the ASSY CLAMP DIAPHRAGM.
		2. Pull diaphragm towards you. Be careful not to rip diaphragm.

Part	Figure Description	
Diaphragm		Assemble the Diaphragm with tub by hand. Diaphragm and tub has triangle part make sure to fit them correctly.
		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	WaterLevel	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.
		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. 	
2	Motor	3C1 Motor	Motor overloaded due to too much laundry (Non sensing) PBA fault The motor driving error from the PBA is weak:	 Washing motor fault. Check Washing motor connector. Washing motor rotor/stator fault. Main PCB fault.
		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 motorfault 	
3	WaterSupply	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	СС	 When the temperature of the water is greater than or equal to 55 °C, this code appears when the machine does not drain. (reason: It is unsafe for hot water to drain as may burn if touched). Temperature sensorfault, or incorrect use. 	Washing temperature sensor check. Description PL Accident prevention.
dor hook. - When the door is pulled by force - This occurs in the hot washes be pushed due to a pressure difference temperature changes. - S/W contact fault because of LID. - The door lock switch terminal is - The door lock switch terminal is - This occurs due to Low insualtion. - Main PCB fault - This occurs if the Power switch is	 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. 	Door lock switch fault. Drain pump fault.		
	DOOR	dC1	 The door lock switch terminal is broken. This occurs due to Low insualtion of the wiring assy Main PCB fault 	Dry duct fan motor fault. Main PCB fault
		dC2	continually and too much heat is generated (This error	
9	HEATER	нс1	 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. 	Heaterfault. Red temperature sensor at the center of the dry heater. Steam function fault.
		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.	 Steam function fault. Freezing by winter season.

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. The temperature sensor for the duct assy fan housing 	 Washing temperature sensor check. Dry temperature sensor check Dry condensing temperature sensor check. Problems caused by the main PCB
		TC2	 is faulty. (A sensor fault such as an internal shortcircuit or wire disconnection) The connector is out of place or has a contact error. 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. 	fault. • Problems caused by the freezing in winter.
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 overvoltage 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 Doorswitch. 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.
		6C1	- The input arrest of the detergent motor is sensed.	
		6C2	- The non-operation of the detergent motor is sensed.	
	Auto Dispense	6C3	- The in put arrest of the fabric softener motor is sensed.	Check the wire and if necessary replace it.
18		6C4	- The non-operation of the fabric softener motor is sensed.	1. Check Wire connection
		6C5	- The motor motion perception sensor fault	2. Replace Assy Pump
		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

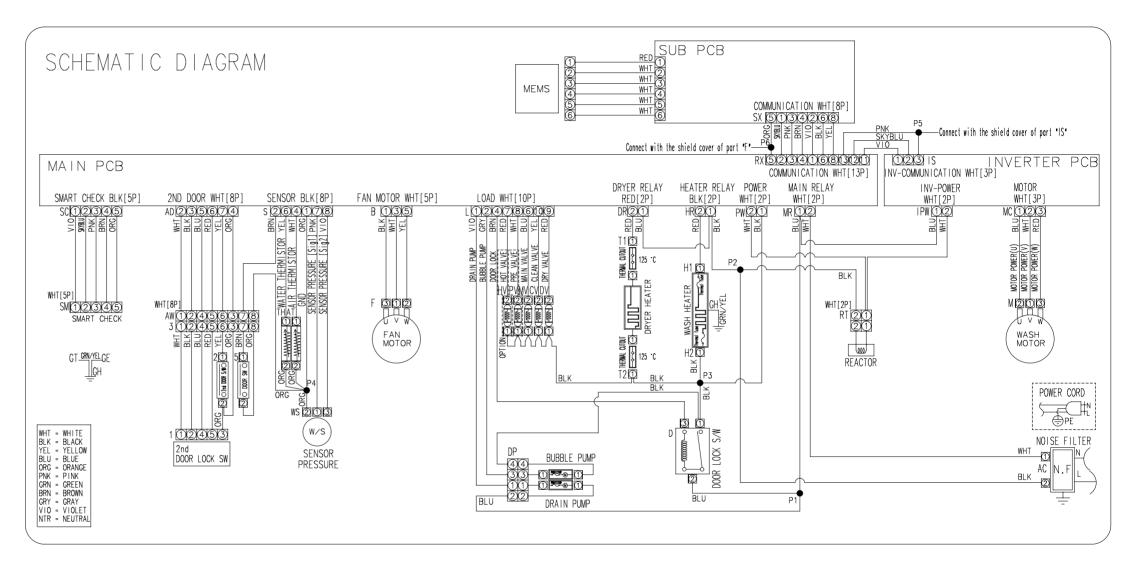
5-1. WIRING DIAGRAM (ADD DOOR)

► 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





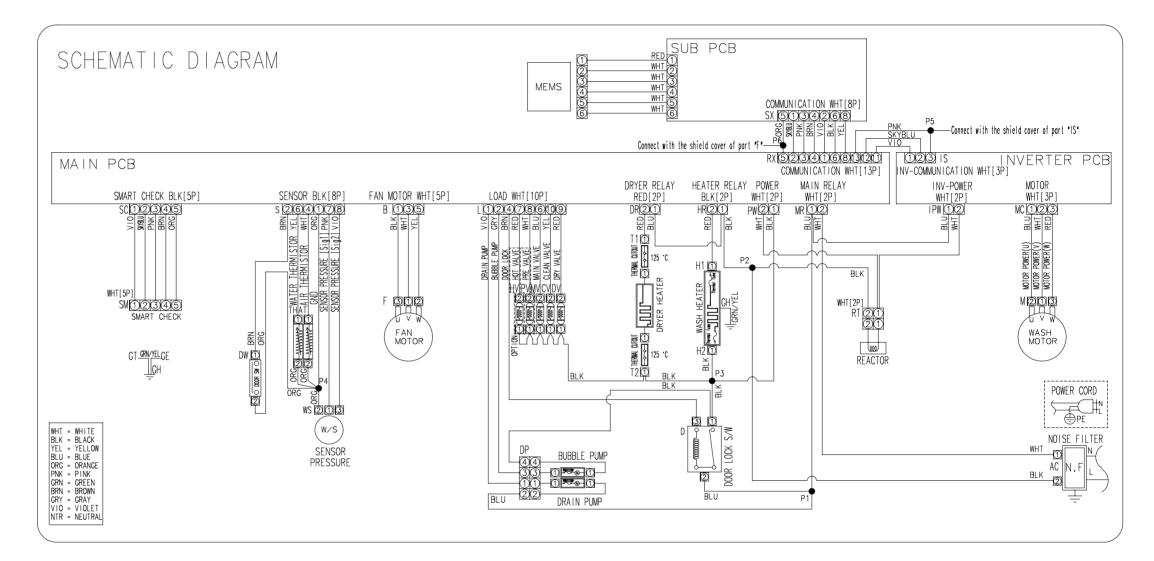
5-2. WIRING DIAGRAM (NON ADD DOOR)

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ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

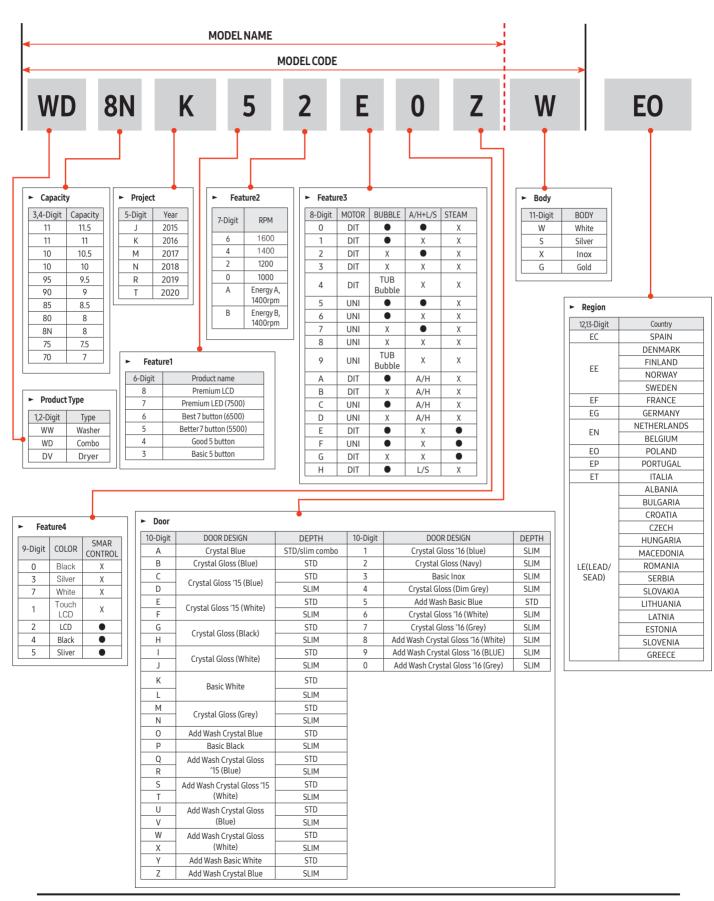
■ REFERENCE INFORMATION

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. WD5500K PROJECT NAME



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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