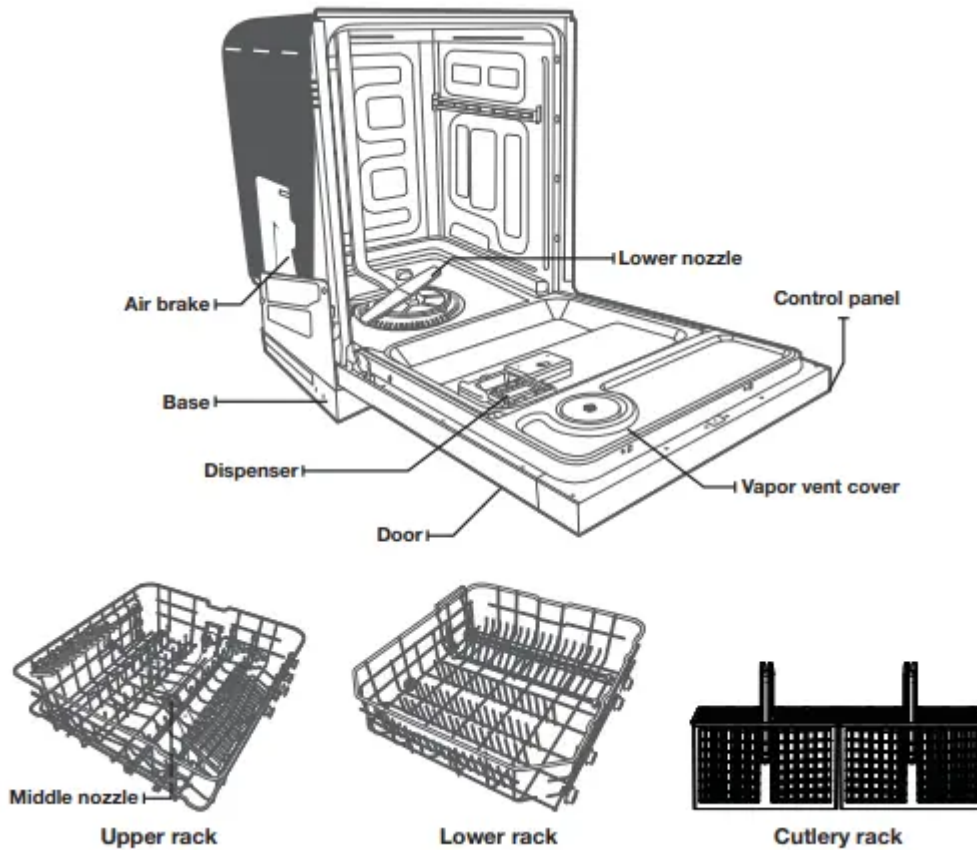


setting up your dishwasher

CHECKING PARTS

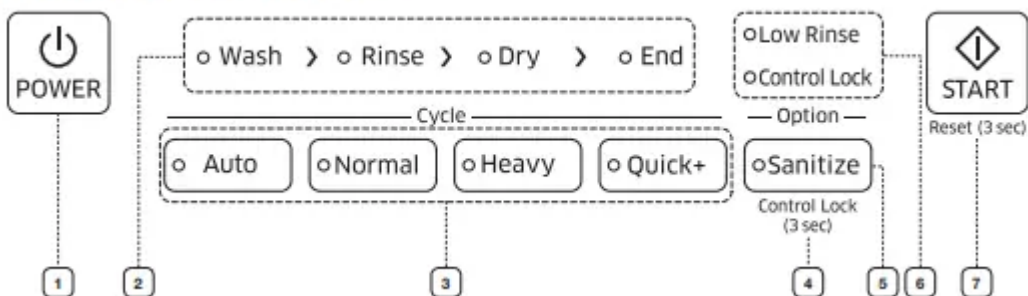
When your dishwasher has been unpacked, make sure you've received all the parts shown below. If your dishwasher was damaged during shipping, or if you do not have all the parts, contact Samsung Customer Service at 1-800-SAMSUNG (726-7864)



using your dishwasher

CONTROL PANEL

DW80J3020 / DW80K2021 Series



1 POWER

When you press the POWER button, the entire display turns on and off, and then the light of the most recently finished cycle lights up. When the cycle you selected has finished, all other indicator lights are turned off and the “End” light is illuminated for 10 minutes. Then, the Power turns off automatically.

2 PROGRESS LIGHT

Progress information (Wash, Rinse, Dry, End) The progress light that corresponds to the current operation turns on to show the progress of the cycle.

3 CYCLE SELECTOR

Select the appropriate wash cycle depending on the soil level of your dishes. After you select a cycle, the Cycle On light for that cycle lights up. If you want to cancel the selected cycle, press the selected cycle button again.

4 CONTROL LOCK

This option allows you to lock the buttons on the control panel so children cannot accidentally start the dishwasher by pressing the buttons on the panel. To lock and unlock the buttons on the control panel, hold the Sanitize button down for three (3) seconds.

- When Power is On : Hold down the Sanitize button for three (3) seconds.
- When Power is Off : Push the POWER button first, and then hold down the Sanitize button for three (3) seconds.

5 SANITIZE

During the Sanitize cycle, the temperature rises to 162 °F (72 °C) in the final rinse cycle for high temperature sanitization. If you select the Sanitize option, the “Sanitize” lamp blinks when the water temperature reaches the sanitary temperature (over 155 °F (68 °C)), and then remains illuminated until the Sanitize option ends. When you open the door or press the POWER button, the “Sanitize” lamp turns off.

The Sanitize feature operates in accordance with NSF/ANSI Standard 184 for Residential Dishwashers. Certified residential dishwashers are not intended for licensed food establishments. Your dishwasher is NSF Certified.

The cycle that is NSF certified is the Heavy Cycle with the sanitize option selected.

6 DISPLAY

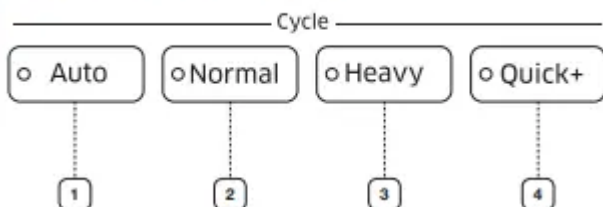
Displays information (Low Rinse, Control Lock). The “Low Rinse” light turns on when you need to refill the rinse aid agent and the “Control Lock” light turns on/off when you activate Control Lock/Unlock.

7 START

To start the cycle, press the POWER button, select the cycle and options you want, and then press the START button to begin the cycle. To cancel a cycle currently running and drain the dishwasher, hold down the START button for three (3) seconds.

CYCLE SELECTOR

DW80J3020 / DW80K2021 Series



1 Auto This cycle detects the level of soil and automatically initiates the optimal cycle after a few minutes of operation.

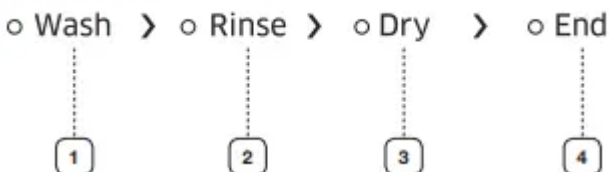
2 Normal Use this cycle for regular dinner dishes.

3 Heavy Use this cycle for heavily soiled dishes.

4 Quick+ Use this cycle for lightly soiled dishes.

PROGRESS LIGHTS

DW80J3020 / DW80K2021 Series



1 Wash When the dishwasher is in a wash portion of a cycle, the “Wash” light is illuminated.

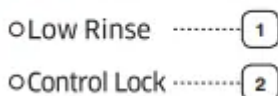
2 Rinse When the dishwasher is in a rinse portion of a cycle, the “Rinse” light is illuminated.

3 Dry When the dishwasher is in a drying portion of a cycle, the “Dry” light is illuminated.

4 End After the dishwasher has completed all portions of a cycle, all other indicator lights are turned off and the “End” light is illuminated for 10 minutes. If you open the door when the “End” light is illuminated, it turns off immediately.

DISPLAY

DW80H3020 / DW80K2021 Series



1 Low Rinse When “Low Rinse” remains illuminated, the rinse aid dispenser is empty or nearly empty. Refill the rinse aid agent dispenser.

2 Control Lock When you select Control lock, the “Control Lock” indicator light is illuminated.

BASIC GUIDELINES FOR OPERATION

1. Open the door and load your dishes

- Remove any food remains from the dishes before placing them in the rack(s).
- Place dishes into the upper and lower racks.
- After placing the dishes into the racks, rotate the nozzles by hand to check whether any of the dishes will interfere with them.
- Make sure the dishes will not prevent the detergent dispenser from opening.

2. Add detergent to the dispenser

- Make sure to use only automatic dishwasher detergent.
- Refer to “Using the dispenser” on how to add detergent.

3. Close the door, and then press the POWER button.

- When you press the POWER button, the entire display turns on and off, and then the cycle light of the most recently finished cycle lights up.
- If “Low Rinse” is illuminated, you should refill the rinse aid dispenser to improve washing and drying performance.

4. Select an appropriate cleaning cycle depending on the soil level of the dishes

- Press the appropriate cycle button.
- When you press a cycle button, the cycle indicator light is illuminated. If you press the cycle button again, the light turns off and the cycle is canceled.
- For information about selecting a cycle according to the soil level of the dishes, see “Cycle selector”

5. Press the START button.

- After you close the door and press the START button or you press the START button and close the door, the dishwasher starts the selected cycle after a few seconds.

6. When the wash cycle is completed.

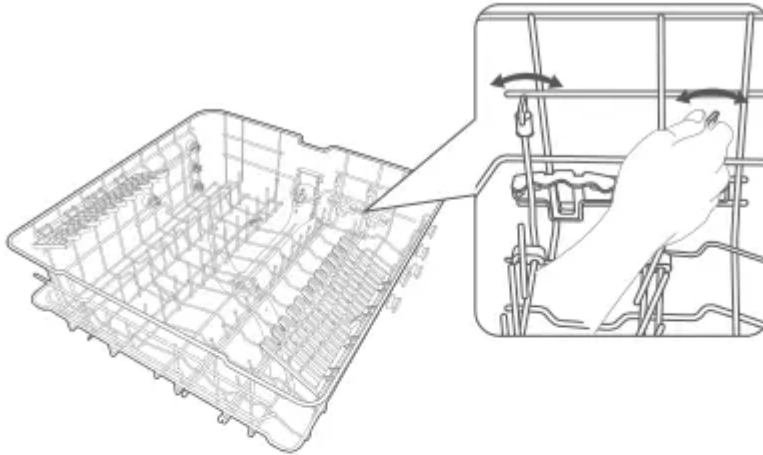
- The “End” light illuminates and the dishwasher sounds a chime.
- The power is automatically turned off after 10 minutes

REMOVING THE PLATE SUPPORT

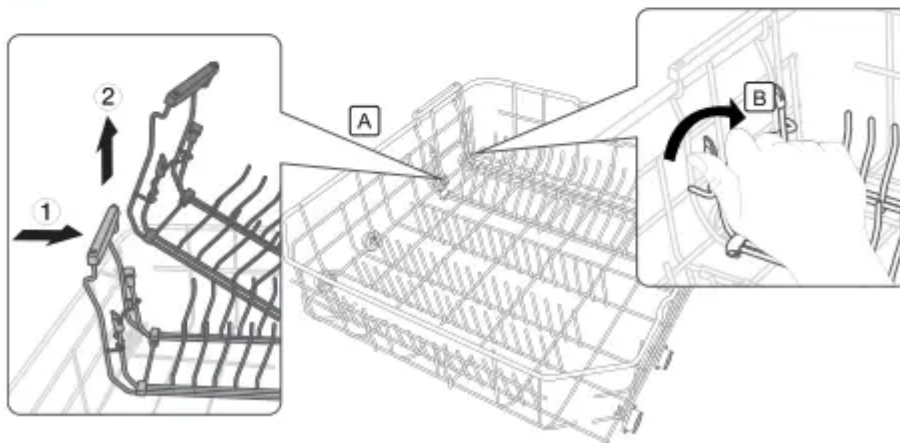
You can adjust the angle of the tines in the upper rack to three different positions to match the size and shape of your dishes. To adjust the tines, grasp the handle at the back of the rack and push it left or right. See the illustration below.

In the lower rack, you can easily remove the plate support to make room for large items such as pots and pans. To remove the plate support, lift up the handles (A). To refit the plate support, align it so it is in place, and then push down on the handles (A). To fold down the fold-down tines on the lower rack, remove the rack from the dishwasher, turn the rack over, grasp the tine (B), and then adjust it backward. See the illustration below.

Upper rack



Lower rack



ADJUSTING THE HEIGHT OF THE UPPER RACK

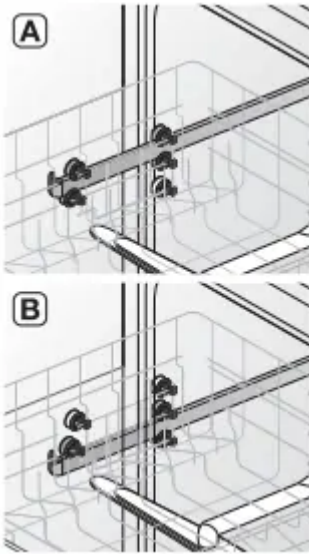
You can adjust the height of the upper rack in your Samsung dishwasher so that the lower rack can accommodate larger sized dishes. Depending on where you set the upper rack height, the lower rack can accommodate plates up to 14 in. (36 cm) in diameter and the upper rack can accommodate plates up to 12 in. (30 cm) in diameter.

DW80J3020 / DW80K2021 Series

To adjust the height of the upper rack, follow these steps:

1. Remove the upper rack following the directions in Removing the Upper Rack below.
2. If you want to lower the upper rack, re-install the rack as shown in Figure A to the right.

3. If you want to raise the upper rack, re-install the rack as shown in Figure B to the right.



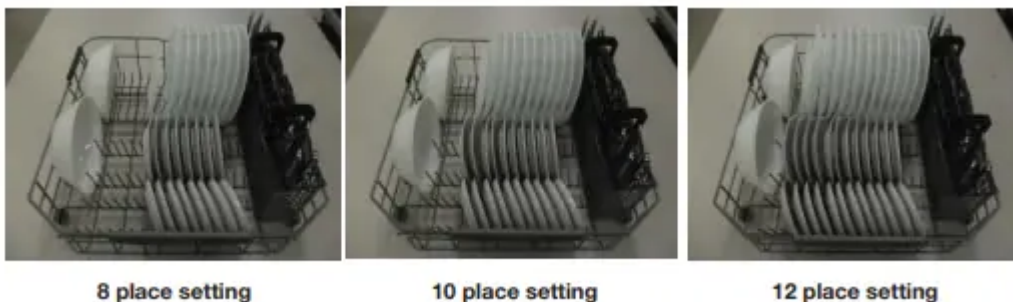
REMOVING THE UPPER RACK

Pull the upper rack towards the front and then remove it by lifting it up slightly and pulling it towards the front. See the illustrations below.



LOADING THE LOWER RACK

Load cookware (pots, pans, etc.), up to 14 in. (36 cm) in diameter into the lower rack. The lower rack has been especially designed for dinner dishes, soup bowls, plates, pots, lids, casserole dishes, and plates. Load your plates into the center column of the rack so their open sides face towards the right. Load large items such as pans and pots into the dishwasher so their open sides face downwards. We recommend loading cups, stemware, and small plates into the upper rack. See the recommended loading patterns below.



LOADING THE UPPER RACK

The upper rack has been designed for small plates, mugs, glasses, and plastic items marked “dishwasher safe”. Load your plates into the dishwasher so their open sides face each other. Make sure the loaded dishes do not interfere with the rotation of the nozzle which is located at the bottom of the upper rack. (Check this by rotating the nozzle by hand.) When loading dishes, pull the upper rack out sufficiently so you can load it without striking the counter above.



8 place setting



10 place setting



12 place setting

Using the glass support

You can load cups or glasses onto the glass support. This is also very convenient for washing wine glasses. Hang your wine glasses onto the pegs of the glass support. You can fold the glass support back when it is not being used.



Loading the large items

You can load large items such as pans and pots into the lower rack. Make sure pot handles and other items do not interfere with rotation of the nozzles.



USING THE CUTLERY BASKET

The cutlery basket consists of two compartments. You can place each knife, spoon, or fork separately into the spoon stands in the basket's covers to prevent chipping and discoloration.

DO NOT let any item extend through the bottom.

1 Small forks

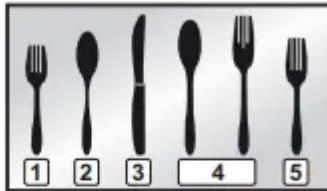
2 Spoons

3 Knives

4 Large spoons and forks

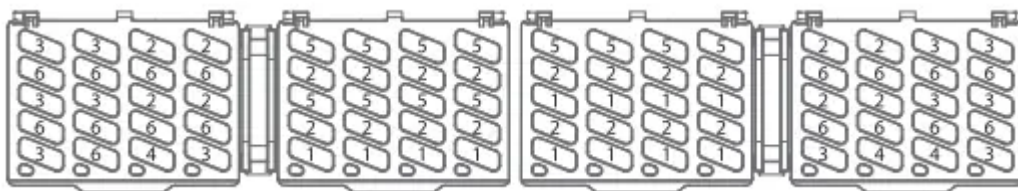
5 Medium-sized forks

6 Remaining items

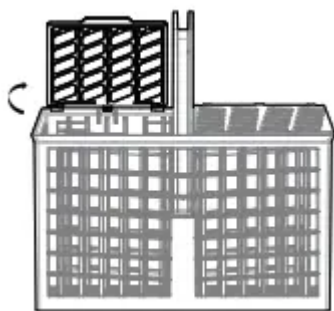


Suggested arrangement for a 12 place setting

The spoon stands as seen from above with the suggested placement of cutlery items. Match the numbers in the diagram to the numbers in the list of cutlery items above.



You can use the cutlery basket with the cover open. Refer to the illustration to the right

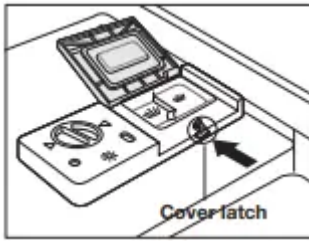


USING THE DISPENSER

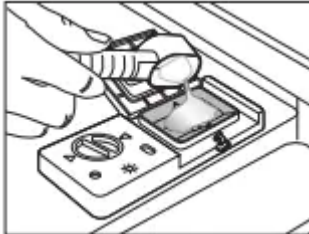
Filling the detergent dispenser

1. Open the cover by pushing the cover latch downwards.





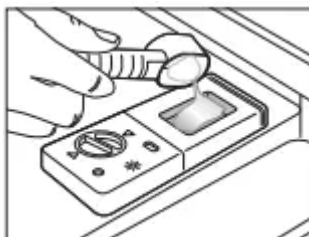
2. Add the recommended amount of detergent to the main wash dispenser. See the table below



3. Close the dispenser cover. You will hear a 'click' when it is closed correctly.



4. When you select the Heavy cycle, add the recommended amount of detergent to the pre-wash dispenser. See the table below.



The cover opens automatically to dispense the detergent during the wash.

CYCLE	AMOUNT OF DETERGENT	
	Main wash dispenser	Pre-wash dispenser
Auto, Normal, Quick+	0.5 oz (15 g)	No detergent
Heavy	0.7 oz (20 g)	0.2 oz (5 g)

Filling the rinse aid dispenser

Your dishwasher has been designed to use liquid rinse aid.

The use of a rinse aid greatly improves the drying performance after the final rinse.

1. Turn the dispenser knob counterclockwise to open the cover.



2. Pour rinse aid into the opening until the indicator points to "MAX" Avoid overfilling the dispenser



3. Adjust the amount of rinse aid released during the rinse operation.

You can choose one of four levels (1 - 4). The higher the number, the larger the amount of rinse aid released. The factory default is 3. When the rinse dispenser is filled up, it is good for about 40 washes.



4. Close the cover. Turn the dispenser knob clockwise.



cleaning and maintaining your dishwasher

Keeping your dishwasher clean improves its performance, reduces unnecessary repairs, and lengthens its life.

CLEANING THE EXTERIOR

It's best to clean spills on the outside of your dishwasher as they occur. Use a soft, damp cloth on the control panel to gently wipe away spills and dust. Do not use benzene, wax, thinner, chlorine bleach, or alcohol. These materials may discolor the inner walls and cause stains. Do not clean the dishwasher by sprinkling water over it and avoid letting water come into contact with any of the electrical parts.

If your dishwasher has a stainless steel door panel, you can clean it with a stainless steel cleaner for home appliances or a similar product using a clean, soft cloth.

CLEANING THE INTERIOR

Clean the interior of your dishwasher periodically to remove any dirt or food particles. Wipe the inside of the dishwasher and the inner part of the door with a wet dishcloth. We recommend filling the detergent dispenser with dish detergent, and then running the dishwasher empty periodically using the Normal cycle with the sanitize option. This will keep your dishwasher clean.

If white spots and odor are still present in your dishwasher, run the Normal cycle with the dishwasher empty and without detergent until it finishes. Then, interrupt the cycle and put an 8 ounce cup of white vinegar into the lower basket. Close the dishwasher and let the cycle finish.

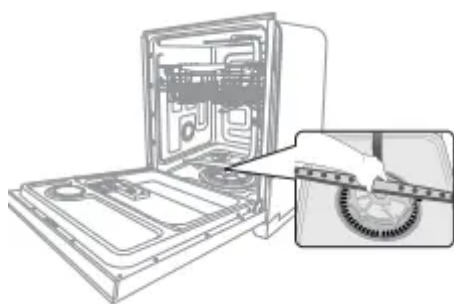
Do not remove the tub front seal (the long rubber seal enclosing the opening of the dishwasher).

CLEANING THE NOZZLES

If your dishwasher does not seem to be cleaning adequately or the nozzles seem clogged, you can clean each of the nozzles. When removing the nozzles, take care as they may break.

Lower nozzle

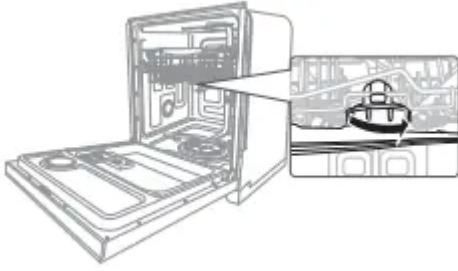
1. Check whether the nozzle holes are clogged by food particles.
2. If cleaning is needed, remove the nozzle by pulling it upwards.
3. Clean the nozzle, and then push it back into place.
4. Check whether the nozzle is engaged correctly by rotating it by hand.



Middle nozzle

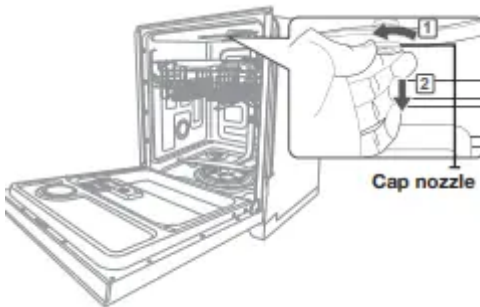
1. Pull the upper rack towards the front and remove it.
2. Check whether the nozzle holes are clogged by food particles.
3. If cleaning is needed, remove the nozzle.
4. To remove the nozzle, unfasten and remove the nut, and then remove the nozzle.
5. Clean the nozzle, re-insert it, and then fasten the nut.
6. When fastening the nut, turn it firmly by hand.

7. Check whether the nozzle is engaged correctly by rotating it by hand.



Upper nozzle

1. Check whether the nozzle holes are clogged by food particles.
2. If cleaning is needed, remove the nozzle.
3. To remove the nozzle, pull out the upper rack first, unfasten the nozzle cap by turning it counterclockwise, and then remove the upper nozzle.
4. Clean the nozzle, re-insert it, and then fasten the nozzle cap to the nozzle by turning the cap clockwise.
5. Check whether the nozzle is engaged correctly by rotating it by hand.



STORING YOUR DISHWASHER

If you need to store your dishwasher for an extended period of time, first drain and disconnect it. If you leave water in the hoses and internal components, you can damage the dishwasher. After draining and disconnecting the dishwasher, be sure to turn off the water supply valve and circuit breaker

cycles

CYCLE CHART

(●: Basic, ○: Optional)

Cycle	Prewash1	Prewash2	Main wash	Rinse1	Rinse2	Rinse3	Last Rinse [Sanitize]	Dry	Water [gal(l)]
Auto	●	○	● 122 - 138 °F (50 - 59 °C)	●	○	-	● 138 °F (59 °C) 162 °F (72 °C)	●	3.6 - 6.7 (13.7 - 25.2)
Normal	●	○ 113 °F (45 °C)	● 118 - 145 °F (48 - 63 °C)	●	○	-	● 136 - 149 °F (58 - 65 °C) 162 °F (72 °C)	●	2.8 - 7.2 (10.7 - 27.2)
Heavy	●	●	● 140 °F (60 °C)	●	●	●	● 158 °F (70 °C) 162 °F (72 °C)	●	8.6 (32.5)
Quick+	●	-	● 140 °F (60 °C)	●	-	-	● 140 °F (60 °C)	●	5.0 (18.6)

- The numbers in parentheses in the Last Rinse column represent the temperature when you select Sanitize. (When you select Quick+, you can't use the Sanitize option.)
- When you select the Auto or Normal cycle, you can eliminate the O (optional) steps depending on the soil level of the dishes.
- The wash time varies depending on the steps or options you add, and on the pressure and temperature of the supplied water.

troubleshooting

CHECK THESE POINTS IF YOUR DISHWASHER...

Does not start. (Dishwasher doesn't run)

- Make sure the door is latched and closed completely. Make sure the upper rack is properly joined with the duct nozzle. Also, make sure the upper rack is properly assembled with no imbalances.
- Make sure the door is latched and closed completely. Press START before closing the door.
- Make sure the dishwasher is turned on and the door is closed completely. Make sure the power cord is properly plugged into the wall outlet.
- Make sure the power cord is connected properly.
- Make sure the water supply is connected properly and the water is turned on.
- The control panel may be locked. Make sure Control Lock is not activated.
- A cycle may not be selected. Make sure a cycle is selected.
- A circuit breaker is open. Reset the circuit breaker.
- A fuse is blown. Replace the fuse. Disconnect any other appliances sharing the same circuit with the dishwasher.

Has odors.

- Apply detergent, and run the Normal cycle with no dishes inside.
- Water remains from an incomplete cycle. Apply detergent without loading dishes, and run the Normal cycle to clean the dishwasher.
- The drain hose is obstructed. Contact a qualified service technician to remove any obstruction from the drain hose.
- The dishwasher is not being used daily, or soiled dishes are left in the dishwasher too long. With the dishwasher empty and no detergent, place a glass with 8 ounces of vinegar upright into the lower rack, and then run a Normal cycle.

Water remains after a cycle has finished.

- The drain hose is bent or clogged. Contact a qualified service technician to remove any obstruction from the drain hose.

Food particles remain on dishes. (Not cleaning properly.)

- An incorrect cycle was selected. Select a cycle according to the soil level of the dishes as directed in this manual.
- No dishwasher detergent or not enough detergent is being used. Use an automatic dishwasher detergent (powder or gel type) or use more detergent.
- The water pressure is low. The water pressure must be between 20 - 120 psi (140 - 830 kPa).
- See the maintenance section of this user manual and clean the nozzle.
- The dishes are improperly loaded. Rearrange the dishes so they have good water access and they do not interfere with the spray arm and dispenser operation. Load only an appropriate number of dishes. Load the dishes as recommended (See page 15).
- The water temperature is low. Connect the water supply line to a hot water supply. For best performance, the temperature of the supplied water should be 120 °F (49 °C).

The water is too hard. For hard water:

- Use a commercial dishwasher cleaner.
- Use high-quality, fresh detergent with rinse aid.
- Make sure large items such as cookie sheets, cutting boards, or containers, etc. are not blocking the detergent dispenser and preventing it from opening properly.



- Rearrange the dishes so they do not interfere with detergent dispenser operation.

- There is no rinse aid. Check the dispenser and add rinse aid. Use liquid type rinse aid.
- Rearrange the dishes so they do not interfere with nozzle rotation and detergent dispenser operation.
- Prior to loading, scrape food from dishes. (Do not prerinse.)

Does not dry dishes well.

- Not enough or no rinse aid is used. Check the dispenser and add rinse aid, and check the rinse aid setting.
- Glasses and cups with concave bottoms hold water, causing water to spill when you unload. After a cycle finishes, unload the lower rack first and then the upper, this will prevent water spilling from the upper rack onto the dishes in the lower rack.
- The water temperature is low. Connect the water supply line to a hot water supply and use rinse aid with the Sanitize option.
- Too many dishes have been loaded. Proper loading of items can affect drying. Load dishes as recommended.
- When drying is complete, try touching inside the dishwasher and the loaded dishes.
- If any of these does not feel warm, call for service.

Is too noisy.

- Make sure that the dishwasher is level.
- See the user manual and reload dishes as instructed.
- Sound is generated when the dispenser cover is open and the drain pump is operating during an early stage. This is normal.
- Foreign material (screws, pieces of plastic, etc.) is in the pump chamber. Contact a qualified service technician to remove foreign material from the pump chamber.
- Utensils are not secure, or small objects have dropped into the basket. Make sure everything is secured in the dishwasher.
- The motor may hum if the dishwasher has not been used regularly. If you do not use it often, remember to set it to fill and pump out every week, which will help keep the seal moist

There is yellow or brown film on the inside of the dishwasher.

Caused by coffee and tea soils.

- Use a cycle with a higher temperature.
- Remove the soils using a spot cleaner.
- Use a solution of 1/2 cup of bleach and 3 cups warm water to remove the stains by hand.

CAUTION To avoid burns, after a cycle, wait for 20 minutes to let the heating elements cool down before cleaning the interior.

Film on glasses.

- The water supplied is soft, and too much detergent is being used. Underload the dishwasher and use a rinse aid to minimize this.
- Aluminum dishes have been included in the load. Remove the marks on the dishes using a non-abrasive cleaner.

Does not have any indicators lit.

- The power cord may not be connected. Connect the power cord.

Does not have a smoothly rotating nozzle.

- See the maintenance section of this user manual and clean the spray arms.
- Dishes are blocking the nozzle. After placing the dishes into the racks, rotate the nozzles by hand to check whether any of the dishes interfere with them.

White coating on cutlery or crockery.**Hard water is being supplied.**

- Make sure the salt fill indicator and softener setting of your water softener is correct according to the water hardness of your area.
- Make sure the salt reservoir cap is correctly fitted.

An operation or cycle takes too long.

- Cold water is being supplied. Make sure the water supply line is connected to a hot water supply. (Additional time is required to heat cold water.)

Suds in the tub.**Improper detergent is being used.**

- Use only dishwasher detergent to avoid suds.
- Open the dishwasher and let the suds evaporate.
- Add 1 gallon of cold water to the tub. Close and latch the dishwasher, then start the Quick+ cycle to drain the water. Repeat if necessary.
- Rinse aid may have spilled. Always wipe up spills immediately.

Water standing in the bottom of the tub.

- This is normal. A small amount of clean water around the outlet on the tub bottom keeps the water seal lubricated.

Stained tub interior.

- Detergent with colorant is used. Make sure that the detergent does not have colorant.

Steam.

- This is normal. Steam comes through the vent by the door latch during drying and water draining.

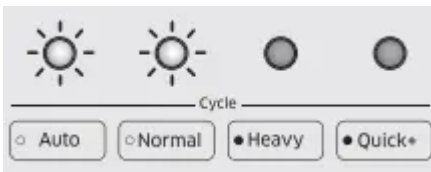
Buttons do not work.

Control Lock is activated.

- Buttons do not work when Control Lock is activated.
- To deactivate, hold down the Sanitize button for 3 seconds.

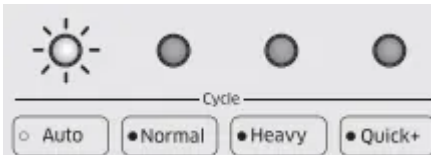
INFORMATION CODES

The Control Panel displays information codes to help you understand what is occurring with your dishwasher. The codes take the form of blinking cycle selector lights. If you see any of the codes listed below, you should select the Cancel and Drain option, and then follow the instructions in the Solution column



High temperature heating check

- Functional check. With the dishwasher empty, add detergent, and then run a cycle. If the problem continues, go to your house circuit breaker panel, set the dishwasher's circuit breaker switch to off, and then contact an authorized Samsung service center.



Water supply check

- Check whether the faucet is closed, the water supply is suspended, or the water line is frozen or clogged by foreign particles.

If the problem continues, Turn off the faucet, and then contact an authorized Samsung service center.



Over-level water check

- Turn off the faucet and go to your house circuit breaker panel, set the dishwasher's circuit breaker switch to off, and then contact an authorized Samsung service center.



Leakage check

- If a water supply valve connection leak occurs, turn off the faucet and go to your house circuit breaker panel, set the dishwasher's circuit breaker switch to off, and then contact your installer or a plumber to fix the leak.

If the problem continues, contact an authorized Samsung service center.

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.