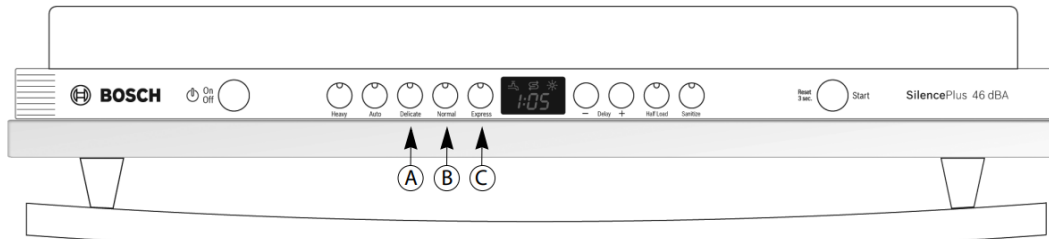
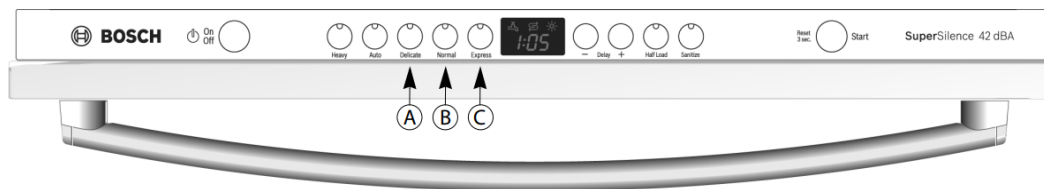


## Dishwasher Components

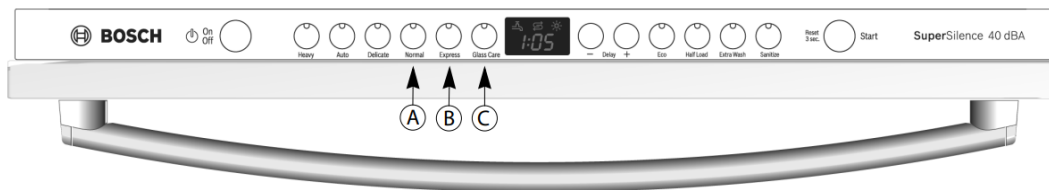
### SHX5ER55UC



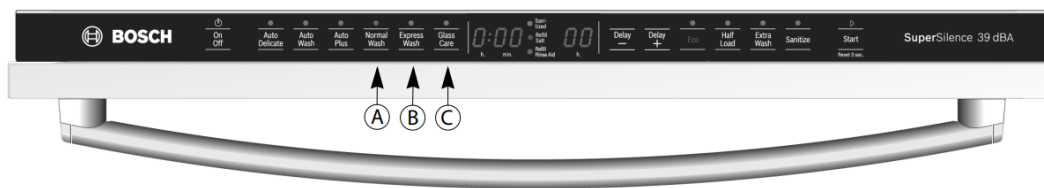
### SHX7ER55UC



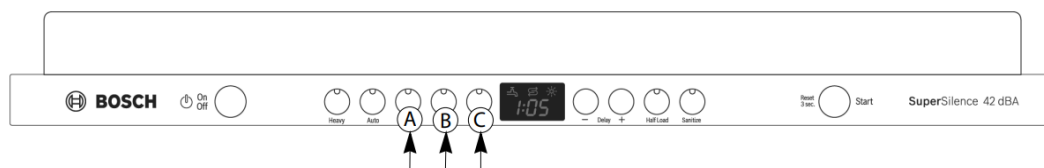
### SHX8ER55UC



### SHX9ER55UC

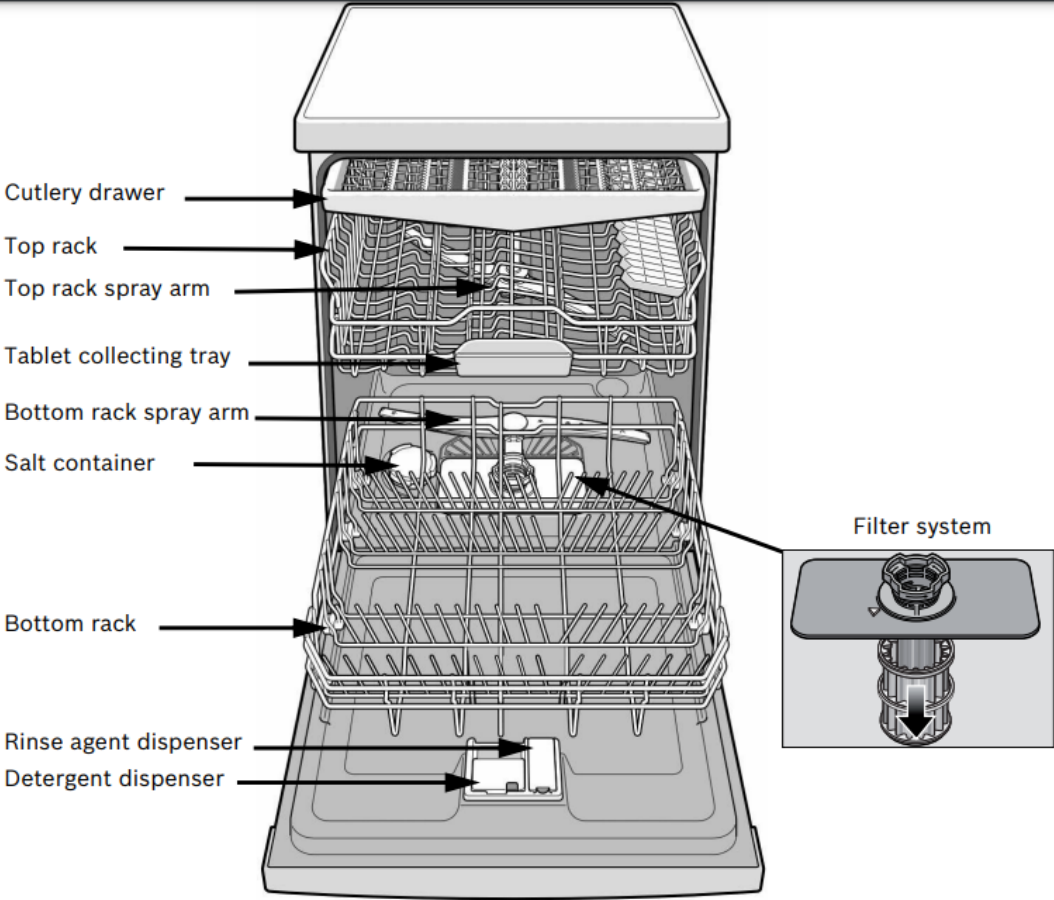


### SHV7ER53UC



### SHV9ER53UC





## Wash Cycles

Model	Heavy	Auto	Normal	Delicate	Express	Glass Care
SHX5ER55UC	X	X	X	X	X	
SHX7ER55UC	X	X	X	X	X	
SHX8ER55UC	X	X	X	X	X	X
SHX9ER55UC	X	X	X	X	X	X
SHV7ER53UC	X	X	X	X	X	
SHV9ER53UC	X	X	X	X	X	X



Additional Features								
Adjustable Top Rack	Delay Start	Eco Option	Extra Wash Option	Extra Tall Item Sprinkler	Flip Tines	Half Load Option	InfoLight	Sanitize Option
RackMatic	X			X		X		X
RackMatic	X			X	X	X	X	X
RackMatic	X	X	X	X	X	X	X	X
RackMatic	X	X	X	X	X	X	X	X
RackMatic	X			X	X	X	X	X
RackMatic	X	X	X	X	X	X	X	X

## Dishwasher Setup

### Water Softening System

Your dishwasher requires soft water to ensure proper washing results and is equipped with an internal water softening system. However, if you have a household water softening system, the internal system provided is not needed.

For the water softening system to function properly, it will need to use the dishwasher water softening salt. The amount of salt dispensed can be set from “H:00” to “H:07”. Salt is not required at H:00 (this is the default factory setting). The amount of salt required depends on the degree of hardness of your tap water. See Table 1.

## Table 1 - Water hardness

Tap water hardness ppm CaCO <sup>3</sup> /l	Setting of internal water softener	Fill water softener with salt?
0 - 110	H:00	no
120 - 140	H:01	yes
150 - 180	H:02	yes
190 - 210	H:03	yes
220 - 290	H:04	yes
300 - 370	H:05	yes
380 - 540	H:06	yes
550 - 890	H:07	yes

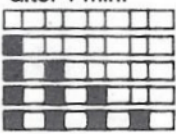
1. Open the door and turn the unit on using the **[.ON/OFF]** button.
2. Hold down the “**A**” button (see page 4) and press **[START]** until the display indicates “**H:00**”.
3. Release both buttons.
4. Press the “**C**” button to select the desired setting.
5. Save the selected setting by pressing **[START]** and close the door.

### Using the water hardness test strip

Kurz eintauchen (1 sec), leicht abschütteln und nach 1 min ablesen.

4 grün/green/vert  
1 rot/red/rouge  
2 rot/red/rouge  
3 rot/red/rouge  
4 rot/red/rouge

Dip briefly (1 sec), shake off excess water and compare after 1 min.



Plongez brièvement (1 sec), égouttez l'excès d'eau et comparez après 1 min.

<3°dH/ <3.75°e/ <5.4°f  
>4°dH/ >5°e/ >7.2°f  
>8,4°dH/ >10.5°e/ >15.1°f  
>14°dH/ >17.5°e/ >25.2°f  
>21°dH/ >26.25°e/ >37.8°f

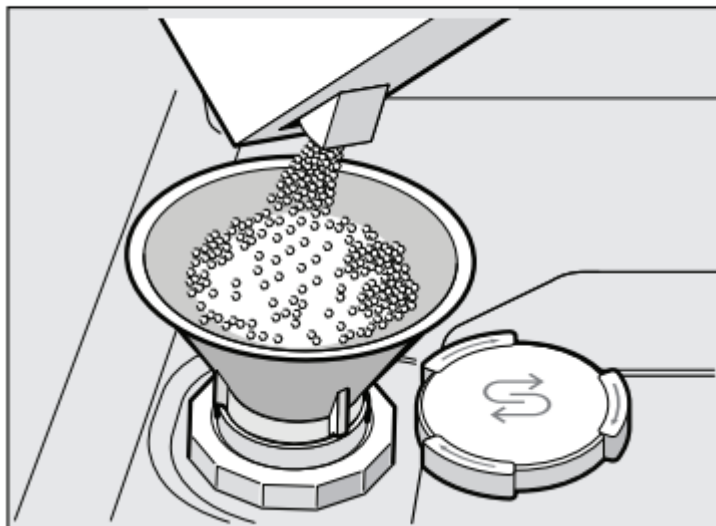
**AQUADUR®**  
Teststäbchen zur Bestimmung der Wasserhärte  
Test stick for determination of water hardness  
Bandelette pour déterminer la dureté de l'eau

Dip the test strip into tap water for a second. Shake off excess water and wait approximately 1 minute before comparing results.	After 1 minute the test strip will show you the correct setting	Setting of internal water softener	Fill water softener with salt?
	0	H:00	no
	1	H:00	no
	2	H:02	yes
	3	H:04	yes
	4	H:06	yes

## Salt

Refill the salt container, using a funnel to pour, right before turning on the unit to ensure that salt overflow is immediately washed away. This prevents corrosion. See Figure 1.


**Figure 1**



1. Open the screw cap of the salt container.
2. Fill the container with water (only required when turning on the unit for the first time).
3. Add dishwasher salt until the water is displaced and runs out.
4. Refill with salt as soon as the salt refill indicator is lit.

Warning: Never fill the salt dispenser with detergent. It will destroy the water softening system. To prevent corrosion, refill with salt and immediately begin any cycle.

Note: Refill salt only when the “Refill Salt” LED or the salt refill symbol is lit (model

dependent  ). Do not use salt tablets or any salt other than dishwasher water softening salt.

For more information about ordering salt please contact Customer Service.

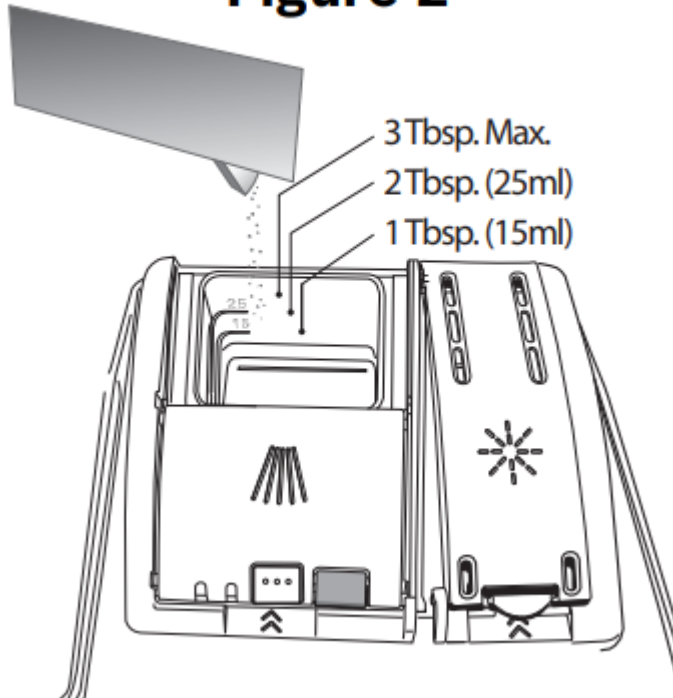
## Detergent

Use only detergent specifically designed for dishwashers.

Note: To avoid dishwasher damage, do not use hand dishwashing products in your dishwasher.

The dishwasher uses less water, therefore, less detergent is required. With soft water, 1 tablespoon (15ml) of detergent will clean most loads. The detergent dispenser cup has lines that measure detergent (Figure 2) to 1 tablespoon (15ml) and 1.75 tablespoons (25ml). 3 tablespoons (45ml) of detergent will completely fill the detergent dispenser.

**Figure 2**



Note: If you do not know the hardness of your water supply, use 15ml of detergent. Increase the amount if necessary to the least amount required to get your kitchenware clean.

Use the measuring lines in the detergent dispenser cup as a guide to measure the amount of detergent recommended in Table 2.

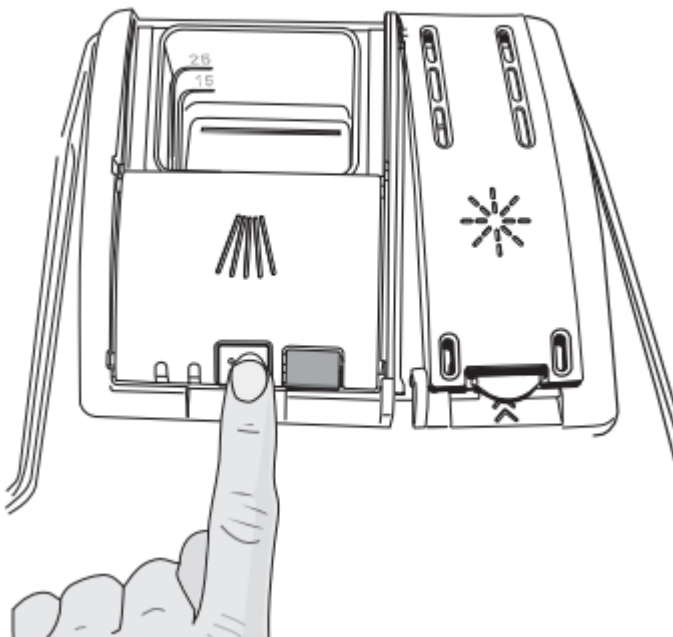
**Table 2- Recommended Detergent Amount**

Wash Cycle	Hard Water/ Heavy Soil	Medium Water/ Medium Soil	Soft Water/ Little Soil
Heavy	45ml (3tbsp)	45ml (3tbsp)	25-45ml (1.75-3tbsp)
Auto	25-45ml (1.75-3tbsp)	25ml (1.75tbsp)	15-25ml (1-1.75tbsp)
Delicate	25ml (1.75tbsp)	15-25ml (1-1.75tbsp)	15ml (1tbsp)
Normal	25-45ml (1.75-3tbsp)	25ml (1.75tbsp)	15-25ml (1-1.75tbsp)
Express	25ml (1.75tbsp)	15-25ml (1-1.75tbsp)	15ml (1tbsp)
Glass Care	25ml (1.75tbsp)	15-25ml (1-1.75tbsp)	15ml (1tbsp)

**To Close:**

- Place finger as shown in Figure 3.
- Slide door closed and press down firmly until it clicks.

**Figure 3**

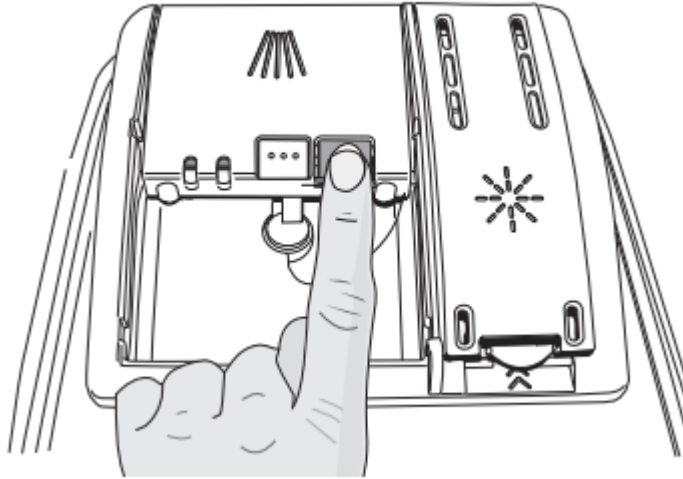


**To Open:**

- To open the cover, push the button as shown in Figure 4.
- Cover will slide open.



## Figure 4



### Rinse Aid

To achieve proper drying, always use a liquid rinse aid, even if your detergent contains a rinse aid or drying additive.

Note: The dishwasher indicates low rinse aid by turning on the Refill Rinse Aid LED or symbol in the display.

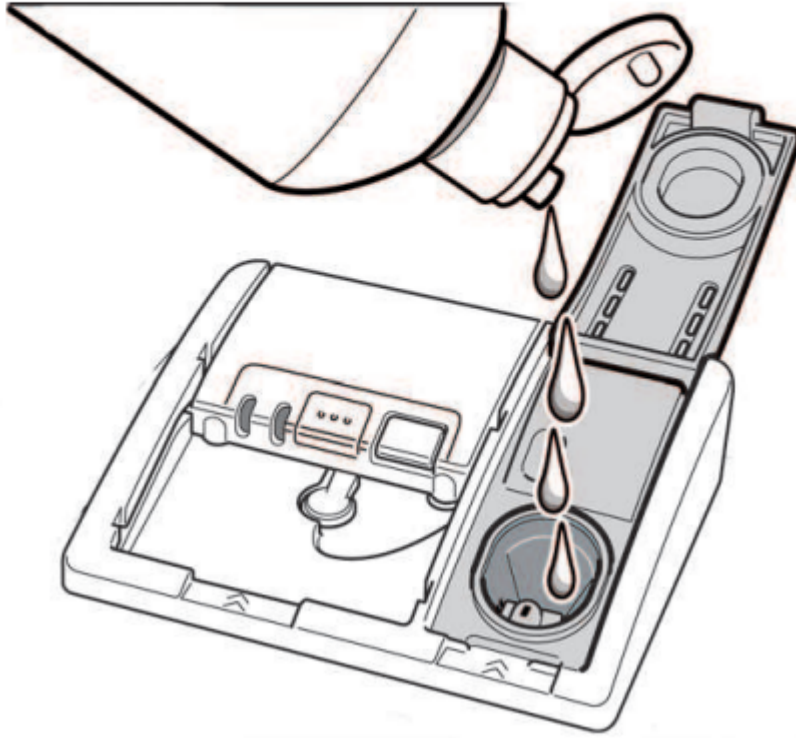
If this light is on, you need to refill the rinse aid dispenser by following the directions below.

### Adding Rinse Aid

Add liquid rinse aid to the dispenser until the reservoir is full (see Figure 5). Wipe up any excess rinse aid that may puddle when the dispenser reservoir is full. The indicator light will go out a few moments after the dishwasher door is shut. See page 13 for how to adjust the amount of rinse aid dispensed.



## Figure 5



## Dishware Materials

### Recommended

**Aluminum:** Colored anodized aluminum may fade over time. Minerals in your water may cause the aluminum to darken or spot. This can usually be removed with a soap-filled steel wool pad.

**China, Crystal, Stoneware:** Some hand-painted utensils may discolor, fade or spot. Hand wash these utensils. Position fragile glassware so that it will not fall over or come in contact with other utensils during the wash cycle.

**Glass:** Milk glasses may discolor or become yellow.

**Non-stick Coatings:** Apply a light coating of vegetable oil to non-stick surfaces after drying.

**Plastics:** Make sure the plasticware is dishwasher safe. Stainless Steel, Sterling Silver and Silver Plates: Load these so they do not come in contact with other metals.

### Not Recommended

**Acrylic:** Crazeing, small cracks throughout the acrylic, may occur. Adhesive-Joined

**Pieces:** Adhesives that join materials such as plastic, wood, bone, steel, copper, tin, etc. may loosen.

**Bone-Handled Utensils:** Handles may separate. Iron: Iron will rust. Hand wash and dry immediately.

**Non-Dishware Items:** Your dishwasher is intended for use in cleaning ONLY standard household dishware and kitchenware.

**Pewter, Brass, Bronze:** These items will tarnish. Hand wash and dry immediately.

**Tin:** Tin will stain. Hand wash and dry immediately.

**Wood:** Wooden bowls, wooden utensils and utensils with wooden handles can crack, warp and lose their finish.

## Loading the Dishwasher

Do not pre-wash items with loosely attached soiling. Remove all food particles, bones, toothpicks and excessive grease. Items having burned-on, baked-on or starchy soils may require some pretreatment. Refer to the Dishware Materials section for more information about dishware suitability.

Load only dishwasher-safe items into the dishwasher. Load dishes in the dishwasher racks so the insides of bowls, pots and pans are facing the spray arms. Avoid nesting and contact points between dishes. Separate items of dissimilar metals.

### Suggested Loading Pattern for Dishes

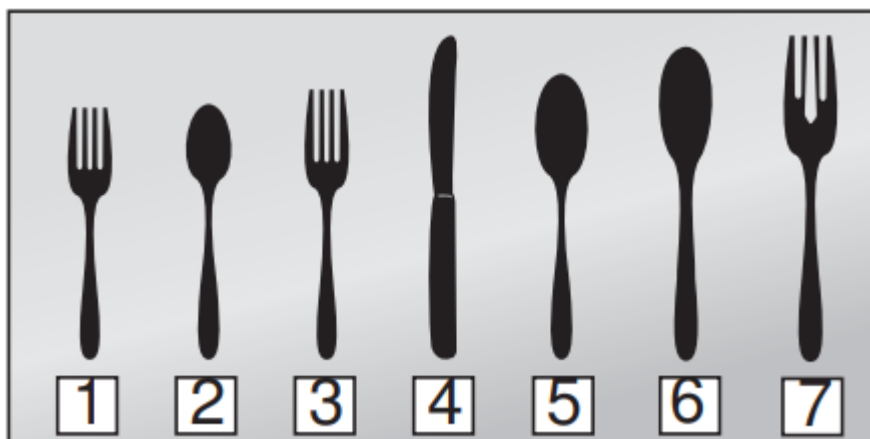
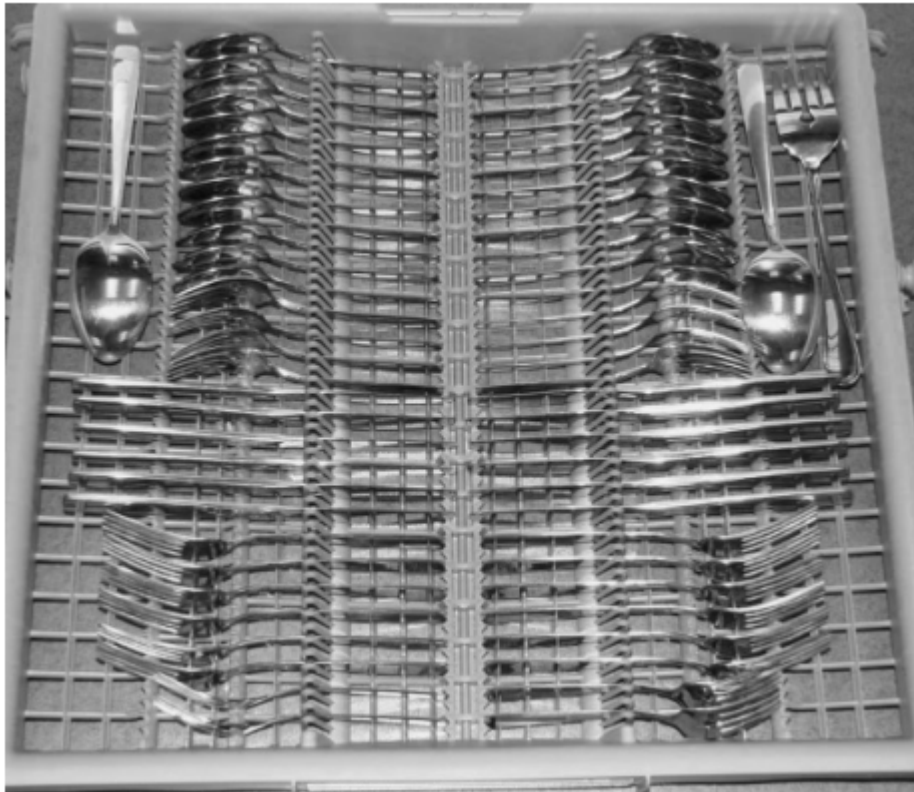
Top Rack



Bottom Rack



Cutlery Rack



1- Salad fork

2- Teaspoon

3- Dinner fork

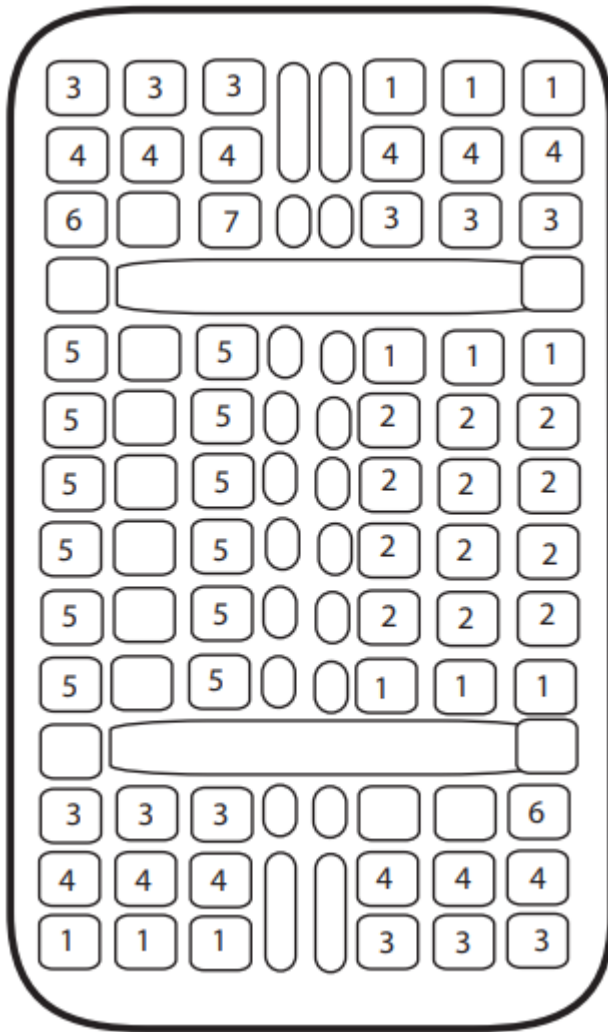
4- Knife

5- Tablespoon

6- Serving spoon

7- Serving fork

Silverware Basket



**Suggested Loading Pattern for Dishes (10 place settings)**

Top Rack

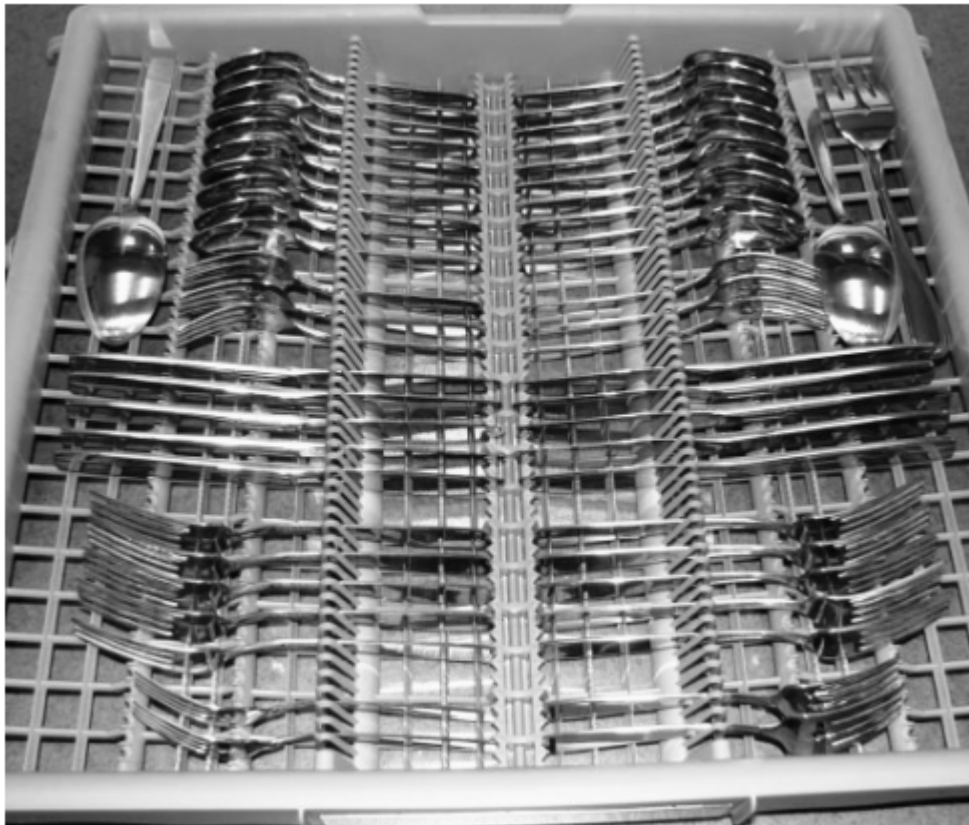




Bottom Rack



Cutlery Rack

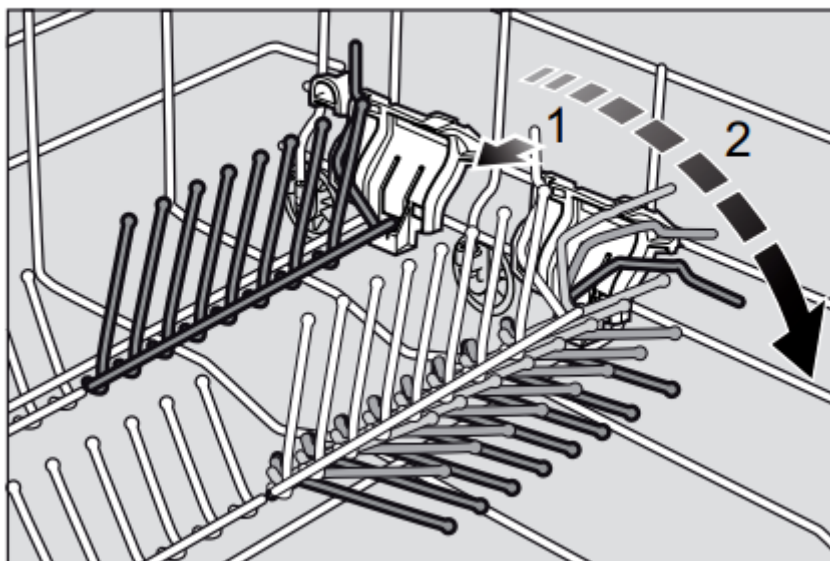


## Rack Accessories

### Flip Tines

The racks consist of tines that can be folded down depending on what you may need to load in the rack. To fold down, grasp the folding tine and release from notch. Push folding tine downward to desired position as shown in Figure 6

**Figure 6**



### Extra Tall Item Sprinkler

If an item is too tall to be placed in the bottom rack even with the top rack in the raised position, remove the empty top rack by pulling it out of the dishwasher until it stops. Pull the front of the rack upward and outward until the rollers are completely free of the roller guides.

Set the top rack aside. Push the roller guides back into the dishwasher. Insert the Extra Tall Item Sprinkler into the top rack spray outlet and turn the sprinkler clockwise to lock into position. See Figure 7.

## Figure 7



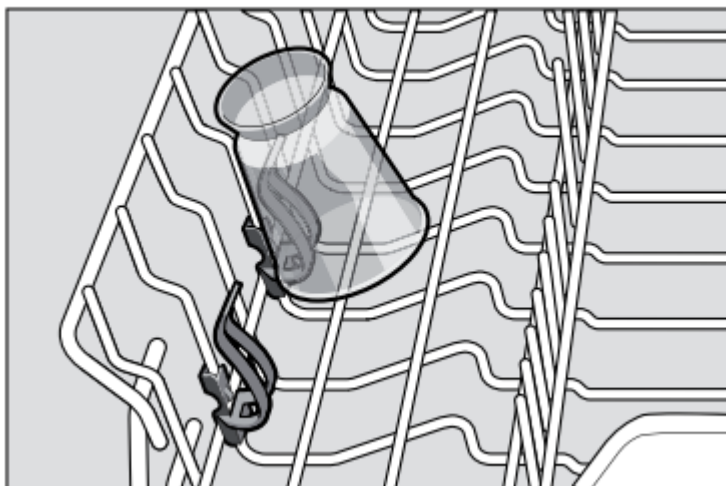
Note: Keep the vent on the tub's right side clear by placing tall items such as plastic cutting boards and tall baking sheets on the bottom rack's left side or center.

To avoid dishwasher damage, do not reinstall the top rack without removing the Extra Tall Item Sprinkler.

### Plastic Item Clips

Light-weight plastic accessories (cups, lids, etc.) can be held securely by plastic item clips. See Figure 8.

## Figure 8



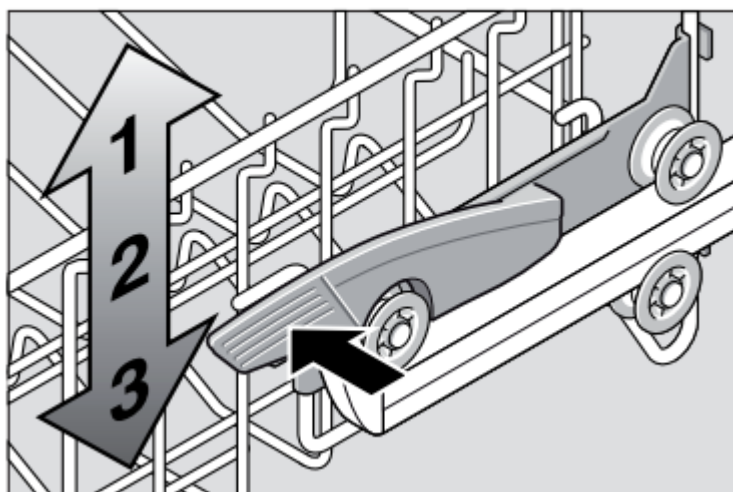
### 3-Step RackMatic®

The height of the upper rack can be adjusted in 3 steps to create more space.

1. Pull the top rack out of the dishwasher until it stops.
2. To lower the rack, push the lever inward then upward.
3. To raise the rack, hold the basket on the sides of the upper rack and lift up.

Note: Before pushing the top rack into the dishwasher, ensure the rack height is the same on both sides. If the height is not the same on both sides, the dishwasher door will not shut and the top rack spray arm will not connect to the water inlet.

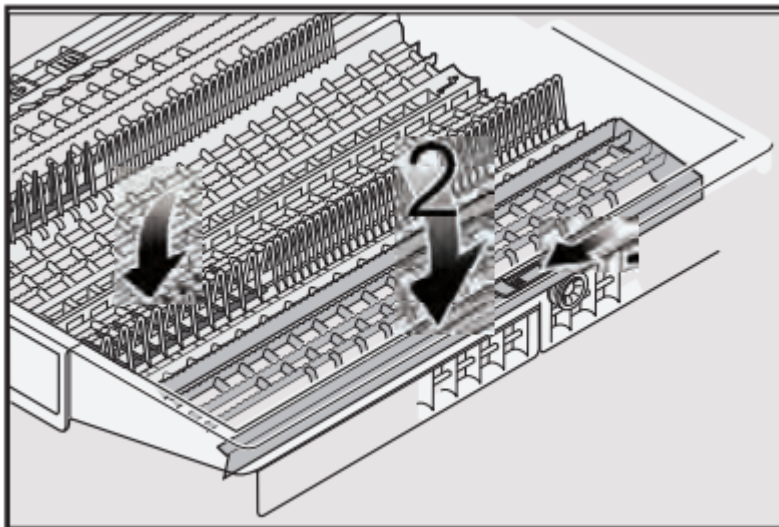
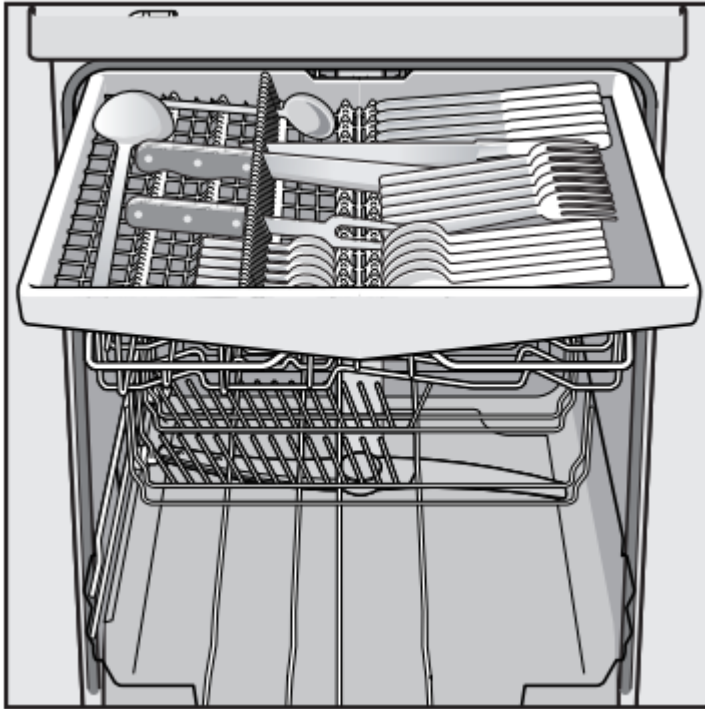
## Figure 9

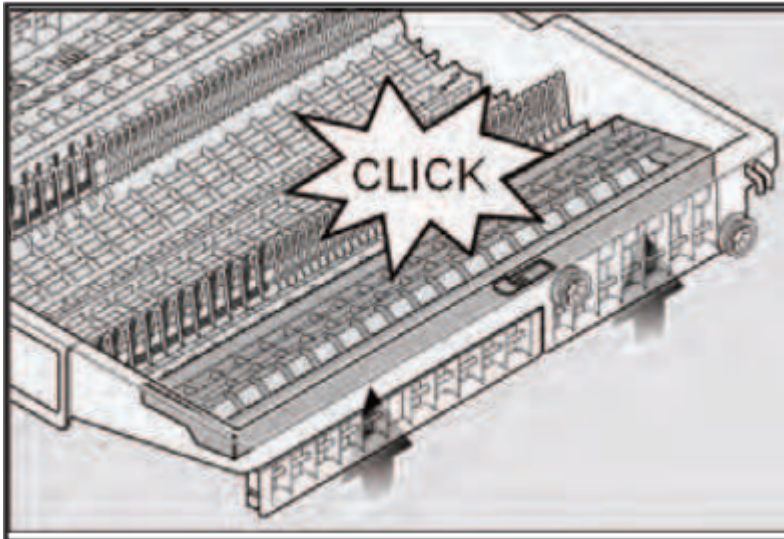


### Cutlery basket

Arrange the cutlery in the cutlery rack as illustrated. Separately arranged utensils are easier to remove after washing. The drawer is removable. Figure 10 .

**Figure 10**





When loading large items such as pilsner glasses or 10" plates in the upper rack (as seen in Figure 11), the drawer can be removed to allow more room.

## Figure 11



### To remove:

- Pull empty drawer out of dishwasher until it stops rolling.
- While pulling toward you, lift the front of the drawer upward and outward (see Figure 12) until the rollers are completely free of the roller guides.

## Figure 12

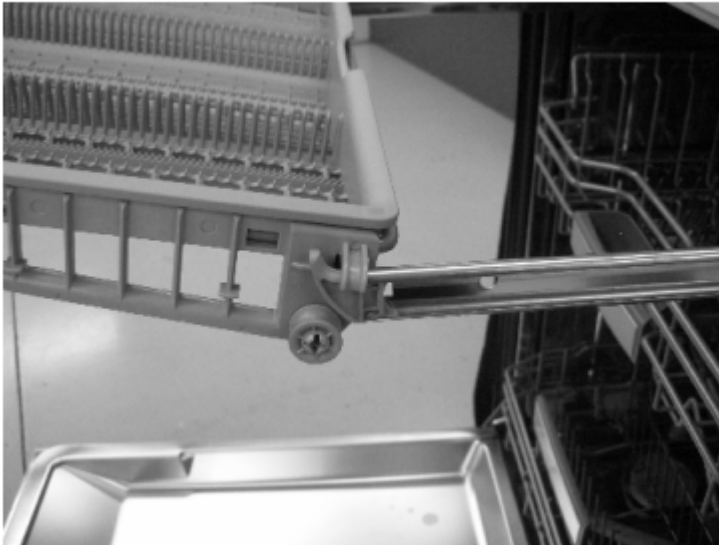


- Place empty drawer in safe place.

### To reinstall:

- Pull the roller guides on both sides out of the dishwasher.
- Position drawer hooks on top of the roller guides (see Figure 13).

## Figure 13



- While holding one roller guide, slide drawer's top wheel over the roller guide stop (see Figure 14).

## Figure 14



- Repeat on other side.
- Slide drawer back into dishwasher.

## Dishwasher Cycles and Options

### Wash Cycles (model dependent)

**Heavy Wash:** Best for cleaning items with baked-on food or grease. These dishes would normally require soaking.

**Auto :** With our most complex soil sensing capability, this cycle is perfect for use with mixed loads of dishware and varying amounts of food soil. This is the most flexible cycle and is a good choice for everyday use.

**Normal:** Thoroughly cleans a full load of normally soiled dishes. Note: The Energy Guide Label was based on this soil sensing cycle with all available options turned off. As prescribed in the energy test procedure, the unit was tested without any Rinse Aid in the Rinse Aid dispenser. A single dose of detergent was used in the Detergent Dispenser, with no detergent used in the prewash. The test was conducted with the upper rack in the highest position.

**Delicate:** For delicate or heirloom dishware and silverware or other special items. Always make sure that the items are dishwasher safe. Refer to the Dishware Materials section of this manual for further information. Hand washing may be the best treatment for such items.

**Express:** Cleans lightly soiled dishes and reduces overall wash time. Use this cycle to clean glasses and dessert dishware that may need to be reused at the same event.

**Glass Care (model dependent):** A cycle for lightly soiled dishes, ideal for temperature sensitive items or cutlery. In this cycle the temperature is reduced to help prevent dishes from becoming damaged. It is especially helpful to reduce a cloudy or etched appearance on glasses. Note: Some glasses are more prone to etching due to glass manufacturing processes.

## Wash Cycle Options

**Delay Start:** Allows you to delay the start time of your dishwasher in one-hour increments up to 24 hours.

**Eco Option (model dependent):** Lowers temperature and cycle length to decrease energy usage.

**Extra Wash (model dependent):** This cycle option can be selected to increase wash performance with more water used in extra sequences and at higher temperatures.

**Half Load Option:** In the Heavy, Auto, Normal, Delicate and Glass Care wash cycles, the Half Load option can reduce the energy and water consumption when washing small, lightly soiled loads that fill approximately half of the dishwasher's capacity. To activate, select the Half Load button in addition to any of the three cycles listed above.

**Sanitize:** The Sanitize feature is available only in the Heavy, Auto and Normal cycles. Press the "Sanitize Option" button to activate the Sanitation features during the Auto



and Normal cycles. The Sanitize symbol or LED will always be on when running a Heavy cycle. The technical sanitation measures may also improve the drying results.

Note: The dishwasher automatically defaults to Auto Wash when turned off and back on. If you used the sanitize option in your last cycle, the dishwasher will default to Auto Wash with the Sanitize option selected when you turn it on.

## Wash Cycle Information

The cycle times in this Use and Care Manual are based on normal soil loads and 120°F incoming water and will vary based on your actual conditions.

**Table 3 - Wash Cycle Information**

	Heavy	Auto	Normal	Delicate	Express	Glass Care
cycle time	110-135 min	105-129 min	95-119 min	80-85 min	30 min	70 min
cycle time with Half Load option	115 min	95-105 min	90-99 min	75-80 min	not available	65 min
cycle time with Sanitation option	125-145 min	120-140 min	115-130 min	not available	not available	not available
cycle time with Extra Wash option	145 min	120-140 min	115-135 min	95-105 min	not available	85 min
water consumption	18.1-23.7 L 4.8-6.3 gal	13.1-24.9 L 3.5-6.6 gal	5.8-16.9 L 1.5-4.5 gal	8.8-13.9 L 2.3-3.7 gal	10.3 L 2.7 gal	12.9 L 3.4 gal
wash temperature	66-71°C 150-160°F	55-66°C 130-150°F	50-55°C 122-131°F	45-50°C 113-122°F	45°C 113°F	50°C 122°F
rinse temperature	72°C 162°F	70°C 158°F	51-69°C 124-156°F	63°C 145°F	50°C 122°F	60°C 140°F

## Operating the Dishwasher

### Start the Dishwasher

1. Open the door and press the **[On/Off]** button. The LED of the last selected cycle flashes.
2. Select a cycle and desired options.
3. Press **[Start]** and close the door to begin the cycle.

### Cancel a cycle

1. Open the door just far enough to expose the control panel. Be careful of hot water that may splash out.
2. Press and hold the **[Start]** button for approximately 3 seconds until the display reads **"0:01"**.
3. Close the door and wait about 1 minute while the dishwasher drains.
4. Open the door and press the **[On/Off]** button.

### Interrupt a cycle

1. Open the door just far enough to expose the control panel. Be careful of hot water that may splash out.
2. Press the **[On/Off]** button to turn the unit off.
3. To resume the cycle, press the **[On/Off]** button and close the dishwasher door.

### Setting the amount of rinse aid

The amount of rinse aid dispensed can be set from "r:00" to "r:06".

To change the setting:

1. Open the door and press the **[On/Off]** button.
2. Hold down the **"A"** button (see page 4) and press **[Start]** until the display indicates **"H:00"**.

3. Release both buttons.
4. Press the “**A**” button until the display shows “**r:05**”.
5. Press the “**C**” button to select the desired setting.

“**r:00**” = dispenser is OFF

“**r:01**” = lowest setting

“**r:02**” = low setting

“**r:03**” = medium setting

“**r:04**” = medium/high setting

“**r:05**” = high setting

“**r:06**” = highest setting

6. Press [Start] to save the setting and close the door.

### InfoLight

An LED illuminates the floor to indicate the unit is running. If the appliance is installed at eye-level, the LED is not visible. To change the setting:

1. Open the door and press the [**On/Off**] button.
2. Hold down the “**A**” button (see page 4) and press [**Start**] until the display indicates “**H:00**”.
3. Release both buttons.
4. Press the “**A**” button until the display shows “**1:01**”.
5. Press the “**C**” button to switch between “**1:01**” = ON and “**1:00**” = OFF and press [Start] to save.

### Delay Start

You can delay the start of the cycle in one hour increments up to 24 hours.

#### To set delay start:

1. Open the door and press the [**On/Off**] button.
2. Press the [**+**] button until the display jumps to “**h:01**”.
3. Press the [**+**] or [**-**] button until the displayed time corresponds with your requirements.

**h:01** = 1 hour delay

**h:24** = 24 hour delay

4. Press [**Start**] to activate delay start.

### To cancel delay start:

1. Press the **[+]** or **[-]** button until “h:00” is indicated on the digital display.
2. Press **[Start]** to save setting and close the door.

### Cycle Completion Signal

1. Open the door and press the **[On/Off]** button.
2. Hold down the “**A**” button (see page 4) and press **[Start]** until the display indicates “**H:00**”.
3. Release both buttons.
4. Press the “**A**” button until the display shows “**b:02**”.
5. Press the “**C**” button to increase or decrease the tone “**b:00**” = OFF and “**b:03**” = LOUDEST
6. Press **[Start]** to save setting and close the door.

### Intensive Drying

The final rinse uses a higher temperature which improves the drying results. The running time may increase slightly.

#### To turn intensive drying on:

1. Open the door and press the **[On/Off]** button.
2. Hold down the “**A**” button (see page 4) and press **[Start]** until the display indicates “**H:00**”.
3. Release both buttons.
4. Press the “**A**” button until the display shows “**d:00**”.
5. Press the “**C**” button to turn intensive drying on or off. “**d:01**” = ON and “**d:00**” = OFF
6. Press **[Start]** to save setting and close the door.

### Auto Power Off

To save energy, the dishwasher is turned off 1 minute after the wash cycle ends. Auto Power Off can be adjusted from P:00 to P:02.

To change the factory setting (P:01):

1. Open the door and press the **[On/Off]** button.
2. Hold down the “**A**” button and press **[Start]** until the display indicates “**H:00**”.
3. Release both buttons.

4. Press the “**A**” button until the display indicates “**P:01**”.
5. Press the “**C**” button until the display corresponds with your requirements.
  - P:00** = dishwasher does not turn off automatically
  - P:01** = dishwasher turns off automatically after 1 minute
  - P:02** = dishwasher turns off automatically after 120 minutes (2 hours)
6. Press [**Start**] to save the setting and close the door.

#### **To change the language:**

1. Open the door and press the [**On/Off**] button.
2. Hold down the “**A**” button and press [**Start**] until the display indicates “**H:00**”
3. Release both buttons. .
4. Press the “**A**” button until the display indicates “**L:01**”.
5. Press the “**C**” button until the display corresponds with your requirements.
  - L:02** = English
  - L:03** = French
  - L:07** = Spanish
6. Press [**Start**] to save the setting and close the door.

## **Care and Maintenance**

### **Overall condition of the machine**

Never use a steam cleaner to clean your dishwasher. The manufacturer is not liable for any consequential damage.

Regularly wipe the front of the appliance with a damp cloth - water and a small amount of liquid soap is adequate. Do not use sponges with a rough surface or abrasive detergents, as these could scratch the surfaces.

Stainless steel appliances: To prevent corrosion, avoid using sponge cloths.

Clean the outer edges of the inside door panel regularly to remove debris that may collect from normal loading. If spots begin to appear on the stainless steel, make sure the rinse agent is full and functioning properly.

### **Filters**

The filter system consists of a coarse filter, a flat fine filter and a microfilter. The filters keep large foreign objects in the rinsing water away from the pump. Foreign objects may occasionally block the filters. Check the filters for residue by:

- Unscrew the filter cylinder as illustrated in Figure 15-16 and take out the filter system.
- Remove any residue and clean filters under running water.
- Reinstall filter system in reverse sequence and ensure that the arrow marks are facing each other after locking it into place.

### **Spray Arms**

Check spray arms for grease and limescale deposits.

If you find such deposits:

- Fill detergent dispenser with detergent and start the appliance without utensils in the cycle with the highest rinsing temperature (see wash cycle information table).
- Clean the appliance with detergents/ appliance cleaners which are particularly suitable for use with dishwashers.
- Unscrew the spray arms and inspect as shown in Figure 17.

### **Waste water pump**

Large food remnants in the rinsing water not retained by the filters may block the waste water pump. the rinsing water does not get pumped out and covers the filters.

**In this case:**

- Disconnect the appliance from the power supply.
- Remove the filters.
- Scoop out standing water - use a sponge if necessary.
- Using a spoon, pry off the pump cover (see Figure 18-19) until it clicks, then grip the cover and pull upward until it resists and then pull forward.
- Check inner compartment and remove any foreign objects.
- Place cover in the original position, press down and engage.
- Reinstall filters.

## Self Help

Problem	Cause	Action
Dishwasher does not start	<ol style="list-style-type: none"> <li>1. Door may not be properly latched</li> <li>2. Unit may not be turned on</li> <li>3. Unit not reset or previous cycle not completed</li> <li>4. Delay start engaged</li> <li>5. Interruption of electrical power supply to dishwasher or blown fuse.</li> <li>6. The door may have been closed without first selecting a cycle</li> <li>7. Water supply may not be turned on</li> </ol>	<ol style="list-style-type: none"> <li>1. Shut the door completely</li> <li>2. Press the main power switch to turn unit on</li> <li>3. To reset, refer to “cancelling or changing cycle” in this manual</li> <li>4. To reset, refer to “delay start” section in this manual</li> <li>5. Check circuit breaker</li> <li>6. Select a cycle and close the door.</li> <li>7. Check and turn on water supply</li> </ol>
Dishwasher beeping (end of cycle signal)	<ol style="list-style-type: none"> <li>1. Default factory settings alert the customer that the cycle is complete by beeping. This feature can be deactivated if so desired.</li> </ol>	<ol style="list-style-type: none"> <li>1. To adjust the volume or deactivate, refer to the “cycle completion signal” section in this manual.</li> </ol>
Display does not illuminate or console lights are not on	<ol style="list-style-type: none"> <li>1. A fuse may have been blown or circuit breaker tripped</li> <li>2. Door not closed or latched</li> </ol> <p>Note: For models with controls on top of the door, the display only illuminate when the door is opened and controls are visible.</p>	<ol style="list-style-type: none"> <li>1. Check the fuse or circuit breaker box and replace the fuse or reset the breaker if necessary</li> <li>2. Ensure door is properly latched and completely closed</li> </ol>



<p>Dishwasher seems to run a long time</p>	<ol style="list-style-type: none"> <li>1. Incoming water is not warm enough</li> <li>2. Cycle time can vary due to soil and water conditions</li> <li>3. Rinse agent dispenser is empty</li> <li>4. Dishwasher connected to cold water supply</li> </ol> <p>Note: Refer to “wash cycle information” section in this manual for typical cycle lengths</p>	<ol style="list-style-type: none"> <li>1. Before starting a cycle, run hot water faucet at the sink closest to the dishwasher</li> <li>2. Sensors in the dishwasher automatically increase the cycle time to ensure a good wash when heavy soil is detected</li> <li>3. Add rinse agent</li> <li>4. Verify dishwasher is connected to hot water supply plumbing</li> </ol>
<p>Dishes are not getting clean enough</p>	<ol style="list-style-type: none"> <li>1. Spray arm movement obstructed</li> <li>2. Spray arm nozzles clogged</li> <li>3. Improper use of detergents</li> <li>4. Filters could be clogged</li> <li>5. Dishes are nested or loaded too close together</li> <li>6. Selected wash cycle is not suitable for food soil conditions</li> </ol>	<ol style="list-style-type: none"> <li>1. Ensure that spray arm movement is not blocked by hand rotating spray arms before starting cycle</li> <li>2. Remove the spray arms and clean according to the “care and maintenance” section of the manual</li> <li>3. Increase or decrease detergent depending on the water hardness (refer to Table 1)</li> <li>4. Clean the filters according to the “care and maintenance” section of the manual</li> <li>5. Rearrange load such that water spray can reach all items in the dishwasher - see “loading the dishwasher” section of the manual</li> <li>6. Refer to “wash cycle information” section of the manual</li> </ol>
<p>Dishes are not getting dry enough</p>	<ol style="list-style-type: none"> <li>1. Rinse agent dispenser is empty</li> <li>2. Improper loading of dishes</li> <li>3. Selected cycle does not include drying</li> </ol>	<ol style="list-style-type: none"> <li>1. Add rinse agent - the use of rinse agent improves drying</li> <li>2. Rearrange load to ensure items are not nesting (see “loading the dishwasher” section of the manual)</li> <li>3. Rinse and Hold setting does not include drying</li> </ol>



	Note: Plastic or Teflon do not typically dry as well as other items due to their inherent properties	Note: Sanitize option and Intensive Drying feature also improve drying performance.
Odor	<ol style="list-style-type: none"> <li>1. Food debris is present at the bottom of the dishwasher</li> <li>2. Food particles are present near the door seal</li> <li>3. Dishes left in unit too long before running a cycle</li> <li>4. Residual water is present at the bottom of the dishwasher</li> <li>5. Drain hose is obstructed</li> </ol>	<ol style="list-style-type: none"> <li>1. Remove the filters and clean according to the “care and maintenance” section of the manual</li> <li>2. Refer to “care and maintenance” section of the manual</li> <li>3. Run a Rinse and Hold cycle if you do not intend to immediately wash the dishes</li> <li>4. Ensure the unit has completely drained from the last cycle</li> <li>5. Remove any obstructions from the drain hose by calling qualified personnel.</li> </ol> <p>Note: If odor still persists, run the Normal/Regular cycle until it flushes and interrupt the cycle and place an 8oz. cup of distilled white vinegar solution on the top rack and then finish the cycle.</p>
Dishwasher not filling with water	<ol style="list-style-type: none"> <li>1. Restriction in the water supply system</li> <li>2. Previous wash cycle was not completed</li> <li>3. Delay start is active</li> </ol>	<ol style="list-style-type: none"> <li>1. Ensure that the water supply valve (typically located under kitchen sink) is open and check that the water supply line has no kinks or clogs</li> <li>2. Refer to the “operating the dishwasher” section of the manual.</li> <li>3. Cancel the delay start or wait until delay start time completes</li> </ol>
Water leaks	<ol style="list-style-type: none"> <li>1. Suds</li> <li>2. Door seal could be pulled away from track</li> </ol>	<ol style="list-style-type: none"> <li>1. Wrong type of detergent results in suds and leaks - use only dishwasher detergents. If suds still</li> </ol>



	<p>3. Condensation vent is blocked</p> <p>4. Improper installation</p>	<p>persist, add one tablespoon of vegetable oil at the bottom of the dishwasher and run the desired cycle.</p> <p>2. Ensure the door seal is in the track</p> <p>3. Ensure that condensation vent is not blocked</p> <p>4. Have proper installation verified by qualified personnel (water supply, drain system, leveling, plumbing)</p>
Tub stains	<p>1. Stains on the dishwasher interior are due to water hardness 2. Silverware in contact with tub</p>	<p>1. Concentrated lemon juice can reduce the build up of hard water stains. Run a Regular cycle until it flushes and interrupt the cycle and then place an 8oz. cup of the concentrated lemon solution on the top rack and finish the cycle. this can be done periodically to avoid build up.</p> <p>2. Ensure that silverware does not make contact with the tub while running a cycle.</p>
Streaks on glassware or residue on the dishes	<p>1. Incorrect rinse agent setting</p>	<p>1. Depending on the hardness of water, adjust the rinse agent dispenser. Refer to “Adding detergent and rinse agent” section in the manual</p>
Fascia panel discolored or marked	<p>1. Abrasive cleaner used</p>	<p>1. Use mild detergents with soft damp cloth</p>
Noise during wash cycle	<p>1. Dishes may not be arranged properly</p>	<p>1. Water circulation sound is normal, but if you suspect items are banging into each other or into the spray arms, refer to the “loading the dishwasher” section of the manual for optimal arrangement.</p>

Detergent dispenser cover will not shut	<ol style="list-style-type: none"> <li>1. Improper operation of detergent cover</li> <li>2. Previous cycle has not been finished or rest or cycle or interrupted</li> </ol>	<ol style="list-style-type: none"> <li>1. Refer to “Adding detergent and rinse agent” section of the manual for instructions on opening and closing the dispenser</li> <li>2. Refer to the “operating the dishwasher” section of the manual</li> </ol>
Unable to select desired cycle	<ol style="list-style-type: none"> <li>1. Previous cycle has not finished</li> </ol>	<ol style="list-style-type: none"> <li>1. Refer to the “Operating the Dishwasher” section of the manual</li> </ol>

**Warning**

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