

# **▲BUSH**

## **DISHWASHER**



## **USER MANUAL**

### **DW5FIIS**

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## Technical Specification

Model	DW5FIIS
Power input	1280W
Max. water consumption (Normal wash)	10.4L
Water pressure	0.03 pa ~ 1Mpa
Dimension	570x480x466 mm
Net Weight	22.5kg
Detergent dosage	12g
Capacity	4 sets



This appliance complies with the following EEC directives:  
2006/95/EEC Low voltage directive  
2004/108/EEC EMC directive amended by Directive 93/68/EEC



### WARNING

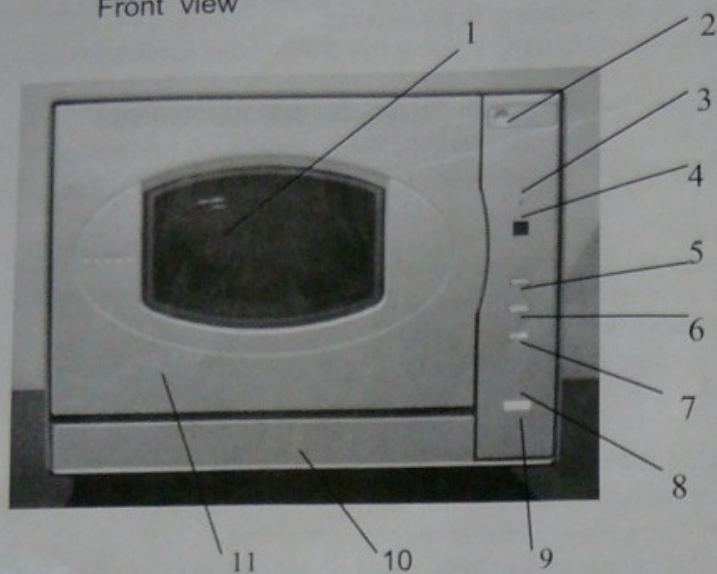
When using your dishwasher, follow basic safety precautions, including the following:

- Please read the installation and operating instructions carefully before using the dishwasher for the first time.
- The instructions contains very important information with regard to installation, use and maintenance of your dishwasher.
- The manufacturer cannot be responsible for problems caused by ignoring these safety and caution instructions.
- This dishwasher is designed for normal household use.
- Do not use the dishwasher for industrial and commercial use, or other purpose.
- Electrical safety is only guaranteed when the earth system of your house is in accordance with the related local regulations. (Do not use an extension cable or cord.)
- Only suitable household utensils should be placed in the dishwasher. (Please avoid utensils; that are non-heat resistant, metal decorated, etc.)
- Keep detergents away from children.
- If the hot water exceeds 65°C, adjust the water heater setting. If the hot water temperature can not be maintained below 65°C, the dishwasher must be connected to cold water.
- Do not use any kinds of solvent in your dishwasher. They may cause an explosion or fire.
- Do not spray water on the appliance. It may cause the failure of electrical parts or electric shock.
- Do not allow children to operate the dishwasher.
- Do not allow children to play around the dishwasher when opening and closing the door.
- Do not push down or sit on the inner door when the door is opened. It may cause the deformation or failure of your dishwasher.
- Do not use the detergent for hand washing. The detergent for dishwasher should be used for normal operation.
- Do not open the door when the LCD display "High temperature", the hot steam maybe causes personal injury.
- If power supply cord is damaged, it must be replaced by the manufacturer or service agent or a similar qualified person in order to avoid a hazard.
- This appliance is fitted with a safety function that automatically stops the operation of the dishwasher when it is exposed to heavy disturbance on its mains.
- This appliance must be positioned so that the plug is accessible.
- The appliance is not intended for use by young children or infirm persons without supervision.
- Young children should be supervised to ensure that they do not play with the appliance.
- Dishwasher detergents are strong alkaline. They can be extremely dangerous if swallowed. Avoid contact with skin and eyes and keep children away from the dishwasher when the door is open. Check that the detergent receptacle is empty after completion of the wash cycle.
- The appliance is to be connected to the wash mains using new hose-sets and that old hose-sets should not be re-used.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely. Young children should be supervised to ensure that they do not play with the appliance.



## Know Your Dishwasher

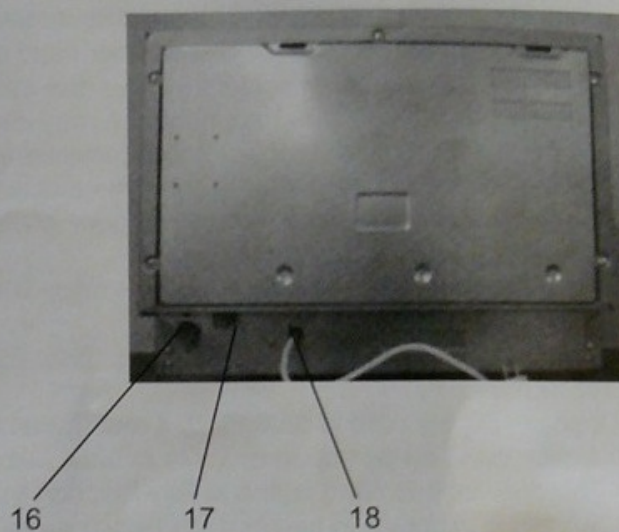
Front view



Inside view



Back view



1. Window
2. Door lock button
3. Salt refill indicator light
4. Display window
5. Program key
6. Delayed start button
7. Start / Reset
8. Power light
9. Power button

10. Front panel
11. Door
12. Water softener
13. Sprayer assembly
14. Filter assembly
15. Rinse aid dispenser
16. Water inlet Connector(Inlet valve)
17. Drain Hose Connector
18. Power Cord



## Installation

### Electrical connection

An electric supply of 220-240 volts AC only, 50Hz is required. Make sure that a suitable electrical supply socket is located close to where the dishwasher is to be placed. The power cord is 6 feet (182cm) long.

**For your personal safety, the appliance must be earthed.** The appliance is equipped with a power supply cord having a 3-pin grounding plug. To minimize possible shock hazards it must be plugged into a matching 3-pin grounding type electrical outlet. If the mains plug is unsuitable for the socket outlet in your home or is removed for any other reason, then the cut off plug should be disposed of safely to prevent the hazard of electric shock.

### Connection to power

Before switching on, make sure that the voltage of your electricity supply is the same as that indicated on the rating plate.

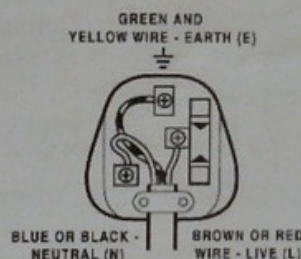
### Main Cord

- This appliance may be fitted with a non-rewirable plug.
- If it is necessary to change the fuse in a non-rewirable plug the fuse cover must be refitted. If the fuse cover is lost or damaged, the plug must not be used until a replacement is obtained.
- It is important that the colour of the replacement fuse cover corresponds with the colour marking on the base of the plug.
- If the plug has to be changed because it is not suitable for your socket, or becomes damaged, it should be cut off and an appropriate plug fitted following the wiring instructions below.
- The plug removed must be disposed of safely as insertion into a 13A socket is likely to cause an electrical hazard. For your own safety read the following instructions carefully.
- Before attempting to connect this unit to mains. The wires in this mains lead are coloured in accordance with the following code:

BLUE = NEUTRAL

BROWN = LIVE

GREEN+YELLOW = EARTH



### IMPORTANT

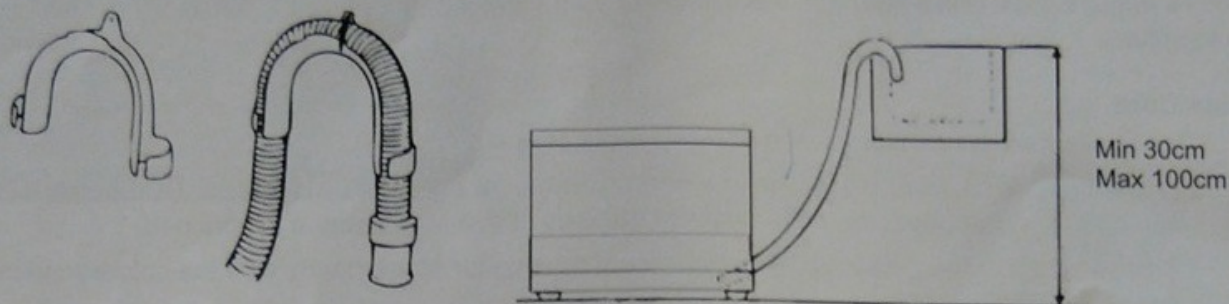
- As the colours of the wire in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as following:
- The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
- The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.
- The wire which is coloured green and yellow must be connected to the earth terminal which is marked with the letter E or coloured green and yellow.
- If a 13 Amp (BS 1363) plug is used, a 13 Amp Fuse must be fitted, or if any other type of Plug is used, a 13 Amp Fuse must be fitted, either in the Plug or Adaptor, or on the Distribution Board.



## Installation Instructions

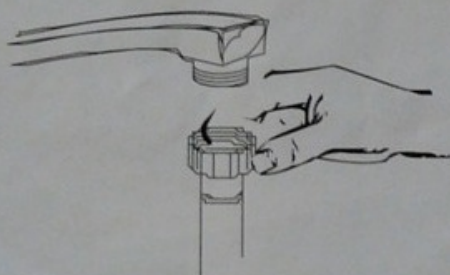
### Remove All Packing Materials Carefully

1. The water inlet hose from the machine terminates in a  $\frac{3}{4}$ " female connector. The water supply should therefore terminate in a similar male connector and should have a stopcock close by in the pipe. It is recommended to connect the machine to hot water supply. Connect the straight connector of the inlet hose to the water supply securely. Connect the other end (bent connector) to the water inlet valve at the back of the dishwasher cabinet. Do not over-tighten to avoid damage to threads.
2. Make a hooked end at the end of drain hose with the plastic U-bend fitting (provided). The hooked end should be dropped into a drainage standpipe between 30cm and 100cm from the floor level. The diameter of the standpipe should be at least 3cm. Connect the other end of the drain hose (L shaped) to the drain connection at the back of the dishwasher cabinet. Tighten the drain hose end on to the drain port using the metal clip included in the package.



3. If you so wish, you may connect the water inlet hose on to the kitchen sink tap. Connect the water supply hose to a threaded  $\frac{3}{4}$ (inch) connector and make sure that it is fastened tightly in place.

Water connection



Back view

Drain Hose Connector

Inlet valve

Power cord



4. If leaks are located, immediately shut the water supply and check the hose connections fully. Tighten connections if necessary.
5. If for any reason you are unable to stop the leak yourself please seek advice from a qualified plumber.
6. The minimum height clearance required to install your dishwasher on a countertop surface with overhead cupboards is **19" (48cm)**.
7. Make sure there is an electrical power supply within easy reach of the machine. The power cord is 210cm long.
8. The dishwasher must be installed on a 'solid' level surface.
9. To level the dishwasher, adjust the 4 level screws (feet) under the dishwasher.



## Water Pressure

For best operating results, incoming water pressure should be between 0.03 ~ 1Mpa. Incoming water supply for the dishwasher is controlled by a 'low water switch' application, so if household water closedown, dishwasher will stop

### For Best Results:

Your dishwasher cleans by spraying a mixture of hot clean water and detergent (under pressure) against the soiled surface of dishes. The water is pumped through a rotating spray arm, drained through a filter removing food and soiled particles and pumped back through the spray arm.

Soiled water is pumped out and replaced with clean water at the end of each cycle (the number of times depends on the cycle being used). For best cleaning results, the water temperature must be at least 55°C. To prevent dishwasher damage, the temperature of the incoming water supply should not exceed 70°C.

NOTE: Hard Water conditions will adversely affect wash ability performance of your dishwasher. Hard Water conditions will also contribute to "Lime" (white film substance) deposits and/or "Scaling" on the stainless steel surface of the dishwasher tub and "Heater Element" located in the sump underneath the removable filter screen. To assist in minimizing these conditions, it is recommended to periodically operate/rinse the inside of the dishwasher (empty) using 1 cup of white vinegar (at least once a week).

## Disconnecting your Dishwasher

- Close the water supply at the stopcock.
- Disconnect the power supply cord.
- Disconnect the inlet hose assembly from the water supply. When the dishwasher is not in use, place/store the hose on the hanger hose bracket located on the rear wall of the dishwasher cabinet.
- Appliances that are to be discarded must be made unusable. Pull off the plug, remove cable and make the door lock and latch unusable

### ! Important!

Once you open the water supply line, (even if it is closed immediately thereafter) the water inlet hose will be pressurized.

### ! Caution!

Do not let children disconnect the dishwasher. Close supervision of children is always important around appliances.

## Control panel and the LED display

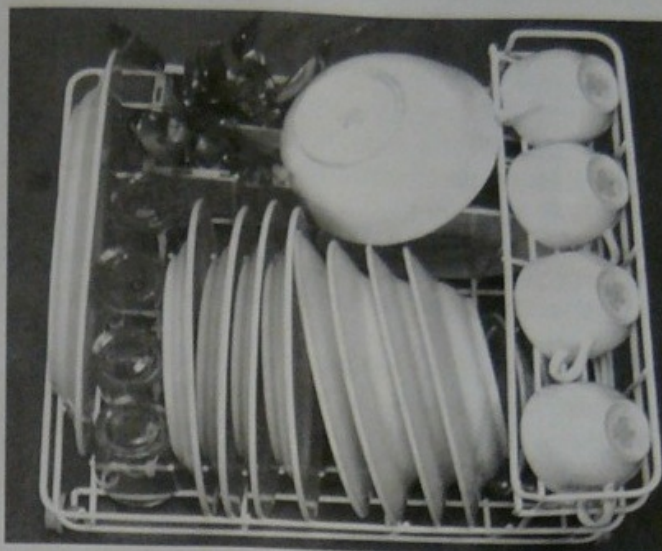


- 1 Salt Warning Light: To come on when the softener needs to be refilled salt
2. Display window : Program running indicator , Error codes
3. Program button: press the button to select washing program
4. Delayed Start Button: Press this button to set the delayed hours for washing. You can delay the start of washing up to 24 hours. One press on this button delays the start of washing by one hour.
5. Start / Reset Button: Press this button to start or pause the dishwasher, the one of four program lights will blink starting .
6. Power Light: To come on when the ON/OFF Button is Pressed down.
7. Power button: Turn on/off the power supply



## Loading your Dishwasher

- 4 Dinner Plates
- 4 Soup Plates
- 4 Dessert dish
- 4 Saucers
- 4 Cups
- 4 Tea spoons
- 1 Oval platter
- 1 Small serving
- 1 Dish
- 4 Glasses
- 4 Soup Spoons
- 4 Forks
- 4 Knives
- 4 Dessert Spoons
- 2 Serving Spoons
- 1 Serving Fork
- 1 Gravy ladle



The dishwasher is designed to receive a standard "4 piece" plate setting consisting of the following:  
**NOTE:** for ease of loading/unloading large size dinner plates from the dish rack it may be necessary to (temporarily) remove the cutlery basket. When loading/unloading is complete, return the cutlery basket to its original position.

## Preparing your Dishes for Washing

Scrape off all solid food particles from the dishes.

- Remove excessive quantities of oil or grease.
- Empty any liquids from glasses and cups.
- **NOTE:** Dishes with dried-on foods are more difficult to wash and may not come clean in a normal wash cycle.
- Arrange all items with recessed or curved sections on a slant to drain water away.
- Cups, pots, glasses, etc should be placed upside down.

## When loading items to be washed:

- Locate sharp items so that they are not likely to damage the door seal.
- Load sharp knives with the handles up to reduce the risk of cut-type injuries
- Do not load plastic items unless they are marked "dishwasher safe" or the equivalent. For plastic items not so marked, check the manufacturer's recommendations.
- Do not load glasses over the dish rack pins. Glasses loaded over dish rack pins are not properly supported and are likely to get damaged.
- Items with wooden or bone handles and items joined together with glue are unsuitable as they cannot resist hot water.
- Do not touch the heating element during or immediately after use.
- Do not operate your dishwasher unless all enclosure panels are properly in place.
- Do not tamper with controls.
- Do not abuse, sit on, or stand on the open door or dish-rack of the dishwasher. The machine may topple over.
- Protect cables and hoses from high temperatures.
- To reduce the risk of injury, do not allow children to operate or play with the dishwasher.



## Using the Right Detergent



The fossa for the detergent

Use only detergent specifically made for use in dishwashers, as other types will cause over-sudding. If your detergent is old and/or lumpy, throw it away. Old detergent loses its washing power. Lumpy detergent won't dissolve.

Please put the detergent at the fossa which at the right of the inner door.

## How much Detergent Should You Use

That depends if your water is 'hard' or 'soft'.

**HARD WATER REQUIRES MORE DETERGENT TO GET DISHES CLEAN.  
SOFT WATER REQUIRES LESS DETERGENT TO GET DISHES CLEAN.**

→ The recessed detergent area located on the inside door panel will hold approximately 12gr of detergent. Follow the detergent manufacturer's guidelines.

## How to use the 3 in 1 program

Your dishwasher has a 3 in 1 program which needs not salt and rinse aid but a 3 In1 tablet. And this dishwasher comes with a 3 in 1 tablet container as an accessory.

**Note:** Only 3 in 1 program uses 3 in 1 tablet. If using 3 in 1 tablet in other programs, the appliance will not get a best performance.

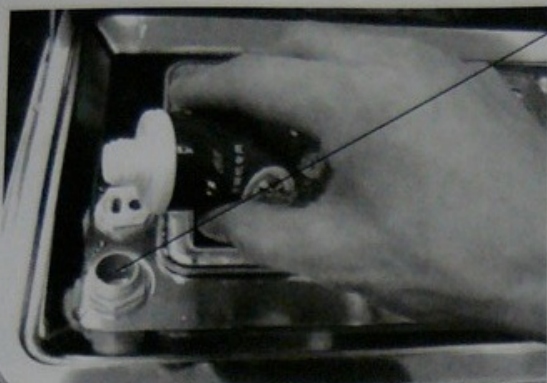
1. Hang the 3 in 1 tablet container on the basket..
2. Put the 3 in 1 tablet into the container then start the 3 in 1 program.



The tablet container



## Using a Rinsing Agent



Add the rinse aid at the hole

You can help prevent unsightly spots on dishes and glassware, and reduce drying time by using a rinse agent. A rinse agent is specially formulated to rinse away food and detergent residues that can be left behind on your dishes. Used regularly, a rinse agent will automatically provide you with cleaner dishes every time you wash.

To fill the rinse agent dispenser, unscrew the dispenser cap located on the inner door (or on the back of the tub). Add the rinse agent slowly into the container until it just reaches the bottom of the filling cap inside the dispenser opening. Replace the cap.

Note: Clean off large particles of food sediments before placing dishes in the dishwasher.

**Using the detergent dispenser**(for the dishwasher equipped with detergent dispenser):

Push the pole, open the cover on the dispenser, add the detergent, close the cover to the impacted position. The cover will open automatically during the wash cycle; the detergent will flow into the water.

## How to use the water softener(for models with softener)



Add the salt

The hardness of the water varies from place to place. If hard water is used in the dishwasher, deposits will be formed on the dishes and utensils. This appliance is equipped with a water softener which uses a salt specifically designed to eliminate the minerals from the water.

1. Unscrew the cap from the salt container anticlockwise, which is located on the right side of the inner box.
2. Load the salt into the container. Each time you may load 500g of salt, which can be used for 30 cycles.
3. Fill the water into the salt container until a small amount of water comes out(it is very important when you use it for the first time).
4. Screw the cap back carefully.

### Note:

1. Load the salt before the beginning of wash cycle so as to prevent corrosion.
2. Load the salt when the salt indicator light in the control panel.
3. Only use dishwasher salt.



## Operating Instructions

### To operate the dishwasher:

Make sure the inlet and drain hoses are correctly and securely connected.

1. Push the door release button to open the door.
2. Check to make sure that the filter is in the right position.
3. Place the dishes on the dish rack and cutlery inside the cutlery basket.
4. Check to make sure that the rotating spray arm can turn freely all the way round. If necessary remove any obstacles.
5. Fill the detergent in the recessed area on inner door panel. (approx. 12 grams).
6. Close the door firmly
7. Open the water supply.
8. Push the power (on/off) button.
  - Push Button in = power on
  - Push Button out = power offThe LED and the power light will illuminate indicating the machine is receiving power.
9. Select the desired program by press the program button. The LED will display the washing code which you selected.

**P1= Intensive Wash**

**P2= Normal wash**

**P3= Rapid Wash**

**P4= 3 in 1 Wash**

**P5= Fruit Wash**

10. Delay start :Press this button to set the delayed hours for washing. You can delay the start of washing up to 24 hours
11. Press the pause/start key to start. The LED will flash the program and the washing state during operation.
12. At the end of the cycle the dishwasher will stop, the LED will stop flash, the dishwasher will beep. The LED will be black when the machine does not run or operate above 10 minutes. The power light remain illuminated, until the power (on/off) button is switched off.
13. The dishwasher is designed to stop if the door is opened accidentally during operation.
14. You can select another program during operation by pressing the pause/start key first, then pressing the program key to the desired program, and pressing the pause/start key to start.
15. After washing, dishes should be allowed to cool down for about 15 minutes so they are not too hot to handle. Dishes will cool quicker if the door is opened slightly.
16. After unloading the dishwasher, remove the filter, clean off any bits of food, and put the filter back in its position.

NOTE: At the beginning of each cycle, the dishwasher always starts in the "drain" mode. This is because the drain pump always retains a small amount of water (in the sump) from the previous cycle. This is necessary to keep the pump primed. Therefore, this is normal if you see a small amount of water being pumped-out from the drain hose prior to the start of the regular wash cycle.



## Programme Summary/Selection

### **Intensive Wash**

Water Temperature:	Wash54/Rinse69° C
Programme Duration + Heating Time:	125minutes
Water Consumption:	10.4 litres

### **Normal wash::**

Water Temperature:	Wash52/Rinse67° C
Programme Duration + Heating Time:	130 minutes
Water Consumption:	10.4 litres

### **Rapid wash:**

Water Temperature:	Wash49/Rinse55° C
Programme Duration + Heating Time:	70minutes
Water Consumption:	9.6litres

### **3 in 1 Wash:**

Water Temperature:	Wash54/Rinse69° C
Programme Duration + Heating Time:	120 minutes
Water Consumption:	10.4 litres

### **Fruit-Wash :**

Water Temperature:	Incoming Water Supply
Programme Duration Time:	12 minutes
Water Consumption:	5.4 litres

(Note: the washing time may vary according to the incoming water temperature and the environmental temperature).

## **ERROR CODE**

Your dishwasher has a error code display function, that means if the appliance falls into a certain malfunction, the corresponding error code will be shown in the displaying window.

CODE	MEANS	POSSIBLE PROBLEM
E1	longer inlet time	faucet is not opened
E2	longer drain time	the installation position of the drain pipe is too high
E3	longer heating time	malfunction of temperature sensor or of heating element
E4	abnormal water level	too much inlet water



## COMMON DISHWASHER PROBLEMS AND SOLUTIONS

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Dishwasher will not start	<ul style="list-style-type: none"> <li>* Dishwasher not receiving Electrical power.</li> <li>* Door is unlatched.</li> <li>* Dishwasher not level.</li> </ul>	<ul style="list-style-type: none"> <li>* Check electrical connection Fuse/circuit breaker.</li> <li>* Close and latch door.</li> <li>* Level unit.</li> </ul>
Dishes not clean	<ul style="list-style-type: none"> <li>* Improper loading</li> <li>* Spray arm not rotating freely</li> <li>* Not enough detergent and/or improper detergent being used.</li> <li>* Improperly prepared dishes.</li> <li>* Water inlet hose kinked/bent due to improper installation.</li> <li>* The filter lose its position</li> </ul>	<ul style="list-style-type: none"> <li>* Arrange dishes so spray action reaches all surfaces.</li> <li>* Do not overload dishwasher.</li> <li>* Check spray arm to make sure nothing (i.e. cutlery) is obstructing spray arm rotation.</li> <li>* Check if filter screen has become dislodged and obstructing spray arm rotation.</li> <li>* Use more dishwasher detergent</li> <li>* Do not use detergent that is hard or cracked.</li> <li>* Use only a recommended dishwasher detergent.</li> <li>* Excess food soil and liquids should be removed from dishes before loading.</li> <li>* Eliminate kink or bend from Inlet hose.</li> <li>* Assure the filter in its right position</li> </ul>
Chipping or breaking glassware	<ul style="list-style-type: none"> <li>* Improper loading of dishes.</li> </ul>	<ul style="list-style-type: none"> <li>* Do not overload dish rack. Load glasses on the bottom rack only,</li> </ul>
Water remains in bottom	<ul style="list-style-type: none"> <li>* A small amount of water (in sump area) is normal.</li> <li>* Excessive amount of water; cycle not completed.</li> </ul>	<ul style="list-style-type: none"> <li>* This is necessary to keep the pump primed and is drained automatically at the beginning of each cycle.</li> <li>* Allow dishwasher to complete full cycle.</li> </ul>



## Disposal Information



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority for recycling advice.

## Product Guarantee

This product is guaranteed against manufacturing defects for a period of 1 year

This does not cover the product where the fault is due to misuse, abuse, use in contravention of the instructions, or where the product has been the subject of unauthorised modifications or alterations, or has been the subject of commercial use

In the event of a problem with the product within the guarantee period please call customer helpline 0845 600 4632.

Your statutory rights remain unaffected

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