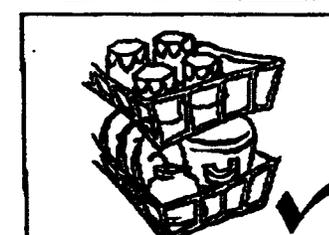
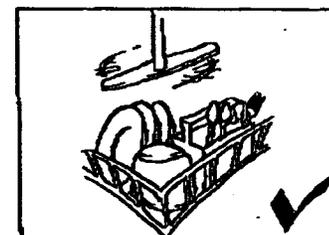
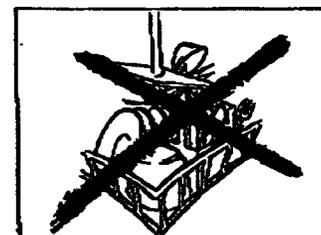
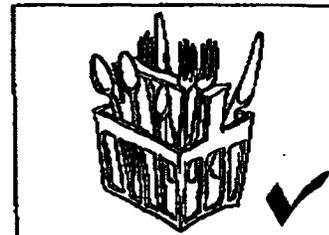
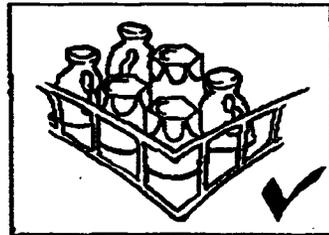
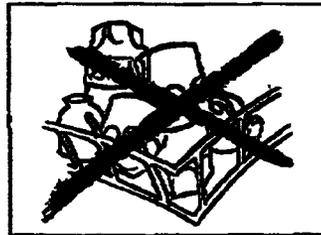
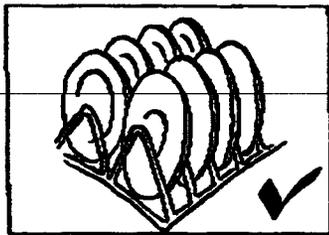
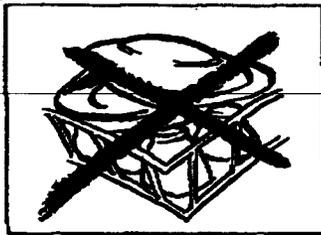


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HSG-PHILIPP HOLZMANN  
Technischer Service GmbH  
Projekt DONAP / Zentrallager



DISHWASHER USER INSTRUCTION MANUAL



Here I am,  
to save you from  
the washing-up.



"Hello! I am your dishwasher. But before I start some friendly advice."

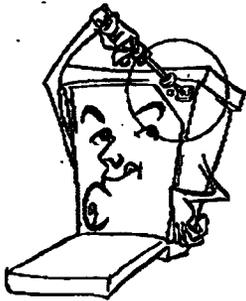
### CAUTION IN HARD WATER AREAS!

The water from your tap at home is in perfect condition but be careful, it contains lime, and if we don't keep it under control it could have some harmful effects.

Before beginning, it is essential to find out about the water hardness of your area, that is, the amount of lime in the water. The Water Company in your area or your Town Council will give you this information.

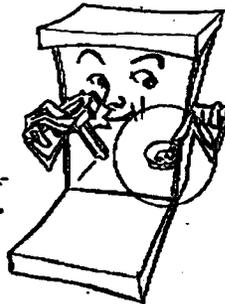
But don't worry, in order to prevent any harmful effects from Lime, my water softening device will always ensure perfect functioning.

### SALT INTAKE ADJUSTMENT



There is a screw at the top right of the dishwasher body and beside it is a screw hole which is used for changing the position of the screw ⑥.

Now take a look at the salt container. When you unscrew the cover, on its interior rim you will see a green arrow between two positions (+ and -) ⑦.



Depending on the level of lime in your area, you should set the screw and the green pointer position as shown in the following table.

| WATER LEVEL | 0-12 MP (0-1 DK)   | 14-39 MP (0-21 DE) | 25-62 MP (23-29 DK) | 51-63 MP (24-35 DE) | 1445 63 MP (36 DK) |
|-------------|--------------------|--------------------|---------------------|---------------------|--------------------|
| SCREW       | DOES NOT NEED SALT | ○ ⊕                | ⊕ ○                 | ○ ⊕                 | ⊕ ○                |
| ARROW       |                    | ↖ ↗                | ↖ ↗                 | ↖ ↗                 | ↖ ↗                |

MP Water hardness given in French degrees.  
DK Water hardness given in German degrees.

These simple adjustments will ensure correct dishwasher function and are important.

### DISHWASHING PRODUCTS

To ensure I am always in peak working condition I too need my own specific washing products. They are:



1. SALT
2. DETERGENT
3. RINSE AID

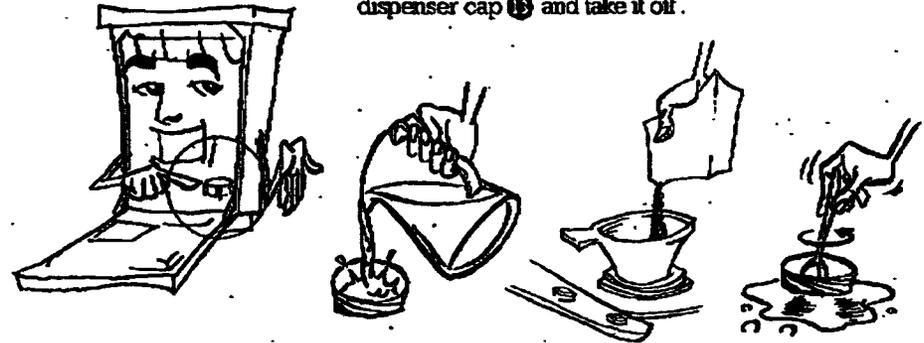
1. **SALT:** So that lime does not cause any harmful effects.

I was fitted with a Water Softener, which takes the lime out of your water and leaves it clean for dishwashing; for my Water Softener to work you have to put salt in the salt container. But remember, only if the water hardness requires it.

Remember! Make sure not to use cooking salt, use only special salt for dishwashers available in all supermarkets.

• Where and how is the salt added first time use?

First you must take out my lower rack. Unscrew the dispenser cap ⑧ and take it off.



- Fill the dispenser with water and, then, using the funnel which comes with the dishwasher, fill the dispenser completely with salt (approximately 1.5 kg).

- Always use a spoon to mix it fully.

Important: This operation must be carried out only before the first wash. Later you only need to top up the salt level.

- Once you have finished filling up with salt and water, make sure you screw the cap back on securely and that no traces of salt are left on the bottom of the dishwasher which could leave salt deposits.

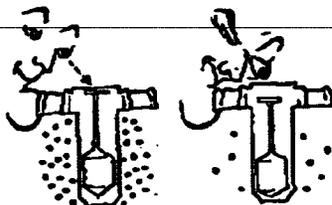


•When do I need more salt?

Don't worry about it. The indicator on your dishwasher will tell you.

•Models with Optical Indicator: ④ This is located in the cap of my salt dispenser ③.

The indicator is a green float which in its highest position indicates that I do not need salt. Conversely, if the float has fallen and, therefore the green colour is not visible, this means that you must add more salt.



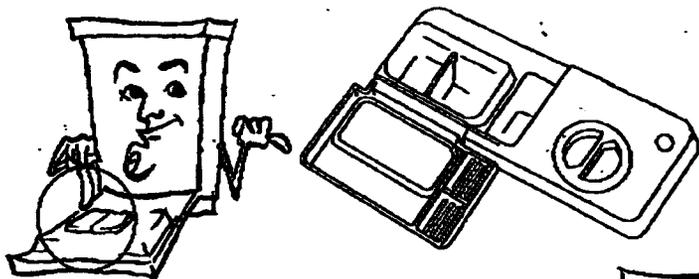
•Models with Luminous Indicator: ⑤ in the control panel. When the light comes on, fill the dispenser with salt.

As we have seen in the sections above, it is possible that the water hardness in your area does not require you to add salt; in that case do not worry if you see the luminous indicator lit.

It is important to remember that you should always fill the salt dispenser before using the dishwasher, never afterwards.

2.DETERGENT. The type of program will give you the quantity required.

But lets get to work. First, fill me up with detergent. Do you see the detergent compartment which is built into the inner door ⑥. That is where you put the detergent.

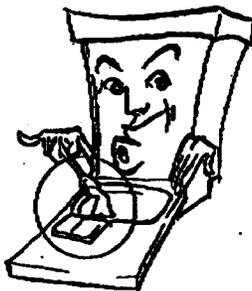


•How much detergent do I need?

For a non-concentrated detergent in powder or tablet form:

- For a pre-washed - none.
- For a normal, delicate, economic or rapid wash; 1 measure of 25 gr. (one and a half level soup spoonfuls or one tablet)
- For an intensive wash, 2 measures, 1 of 25 gr. in the dispenser (or one tablet) and another of 15 gr. (a level soup spoonful or half a tablet) in the inner door.

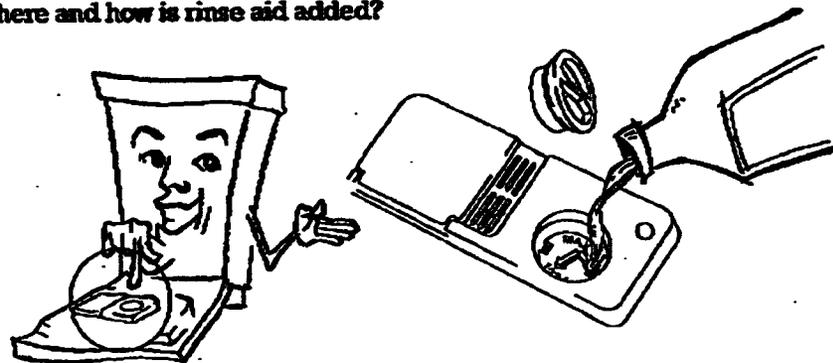
For concentrated and liquid detergent follow the detergent manufacturers recommendations.



3. RINSE AID. Cleans and adds brilliance.

The principal function of this product is to facilitate drying and prevent water drops being left on the dishes after the wash, while at the same time giving all surfaces a brilliant shine.

•Where and how is rinse aid added?



I have a compartment in the upper part of the inner door ⑦, just to the right of the detergent compartment.

Turn and take off the cap of this compartment, and add rinse aid up to the indicated maximum. Be careful that it does not over flow; if this occurs dry the spilt drops with a cloth so that the wash quality will be correct otherwise over foaming may occur.

•How is the rinse aid intake regulated?

Once you have filled the compartment, you can adjust the level of rinse aid released by moving the selector in the dispenser between numbers 1 to 6 (it leaves the factory in position no. 2).

Before adjustment, I recommend that you judge for yourself by observing the final result of each wash. If there are water drops or lime stains on the dishes, adjust the selector to a higher number, conversely adjust to a lower number to reduce the quantity released if the dishes show white, sticky streaks.

•When do you have to add rinse aid?

Only when it is indicated on your particular dishwasher model.

•Models with Transparent-Window Indicator: ⑧ This is beside the rinse aid compartment. If it is clear it needs rinse aid; fill it taking care that it does not overflow. If it is dark it has sufficient.

•Models with Luminous Indicator: ✨ ⑨ When the liquid runs out, this light on the control panel comes on. This is a clear warning to refill with rinse aid.

## CORRECT LOADING OF THE DISHES

Because you should never play with your food.

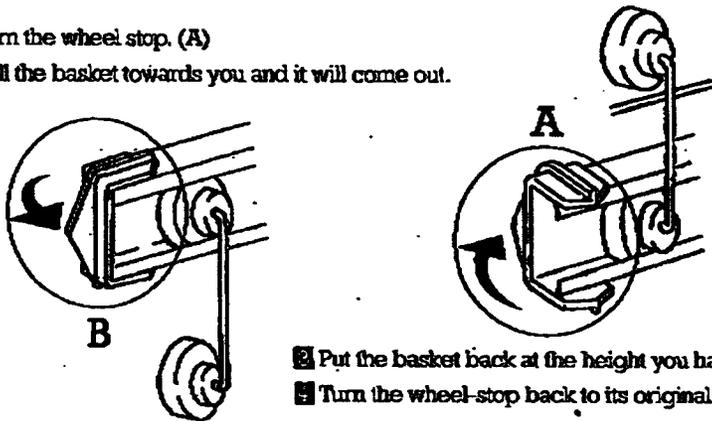


To ensure good results, it is very important to load the dishes properly in my racks. Each dish should be individually located in either basket with sufficient clearance between each item for water to pass, this will guarantee a perfect wash and save you time and money.

### •Regulating the height of the basket.

Depending upon your dishwasher model, you will be able to adjust the height of the upper basket so as to enable you to wash bigger plates. But how? It's easy!

- 1 Turn the wheel stop. (A)
- 2 Pull the basket towards you and it will come out.



- 3 Put the basket back at the height you have chosen.
- 4 Turn the wheel-stop back to its original position. (B)

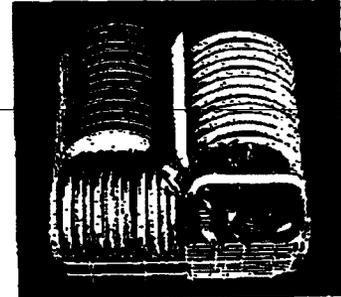
Regulating the upper basket means you can get the height you want.

With the basket at its highest level you will be able to put plates with a diameter of up to 19 cm. in the upper basket and up to 31 cm. in the lower basket.

With the basket at its lowest level you will be able to put plates with a diameter of up to 24 cm. in the upper basket and up to 26 cm. in the lower basket.

### •Loading the dishes in the racks.

- In the lower rack. The dirtiest and most resistant dishes, casseroles, oven dishes and plates (load the deep ones on the right and the shallow ones on the left). The dishes should always be tilted towards you and make sure that there is sufficient clearance between them so that the water spray can reach and clean them. Saucepans always upside-down.

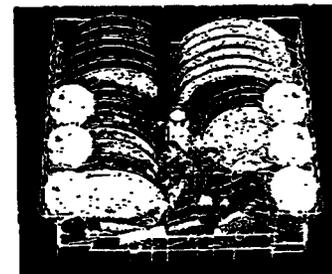


For IEC regulation 436-DIN 44990

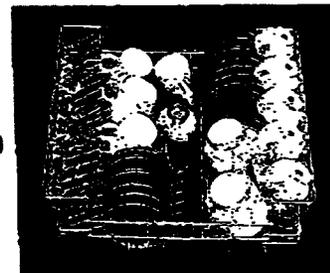


- Cutlery basket. This is where the cutlery goes; it is located in the lower basket. The separate compartments allow you to segregate the different items always with the handle down.

- In the upper rack. The more delicate dishes. Cups, glasses and porcelain. Take care that their rims face down (upside-down). Lead crystal should not be washed in the dishwasher, continued washing will make it go cloudy and it will lose its shine.

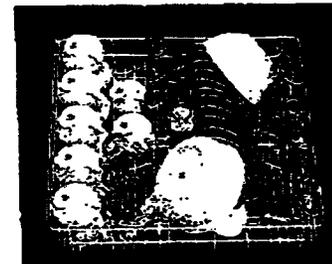


Once you have loaded the dishes and cutlery, make sure that the spray arms 11 revolve without hitting any plate, piece of cutlery, handle, etc.



Do not hang objects from the baskets as it will impede the spray arm rotation.

And also, ensure that the upper rack funnel 12 is not covered or obstructed to ensure that it functions normally.



For IEC regulation 436-DIN 44990

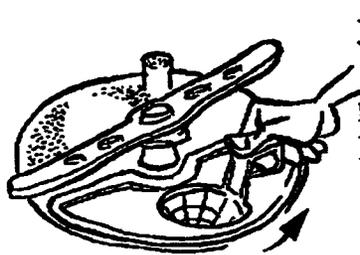


For IEC regulation 436-DIN 44990

## IMPORTANT RECOMMENDATIONS

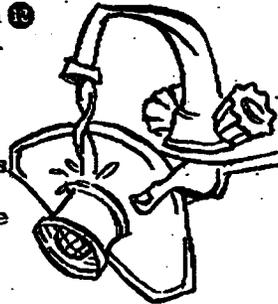
Reading an instruction manual and following its advice takes very little time but is very important for your satisfaction.

### 1. Recommendations for cleaning.



- Clean the wash filter when **10** you see debris accumulating.

To take it out turn the handle. Clean it with running water and a brush. Refit the filter securely. This is very important. If it is not properly secured, it can cause problems such as blocked pipes and spray arms.



- Also clean your dishwasher periodically both inside and outside.

*Inside*, every six months, fill the Detergent Dispenser with a special Dishwasher-cleaning product, select the Economic Program and run the complete wash cycle.

*Outside*, you should use a damp cloth soaked in soapy water. Afterwards, dry me with a dry cloth. As a safety precaution, switch off all electrical connections to me (remove the plug from the socket).

### 2. Recommendations for dishes.

-*Stainless cutlery*: I can clean it without any problem.

-*Silver cutlery*: make sure that it is not in contact with other cutlery, for if it is, it can cause brownish stains. Keep in separate compartment.

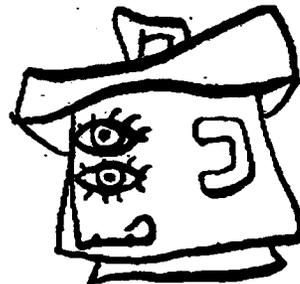
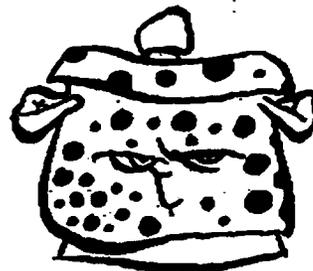
-*Aluminium*: it is recommended that this should not be washed in the dishwasher, as it will cause more pronounced stains and darkening of the aluminium.

-*Decorated porcelain*: just as in hand washing, if the decoration is not top quality it will gradually wear away - it is not advisable to wash in dishwashers.

-*Glass*: only load glass suitable for dishwashers. It is recommended to use a low temperature program for glass: economic or delicate. Do not wash Lead Crystal.

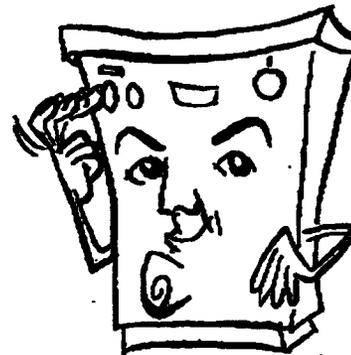
-*Plastic*: heat-resistant plastic is suitable for dishwashers. But when in doubt, ask at the point of sale. Do not wash medication spoons or small light objects.

-*Wood and earthenware*: Do not place in dishwasher, these are not appropriate for dishwashers.



## SWITCHING ON

Before starting-check the following points.

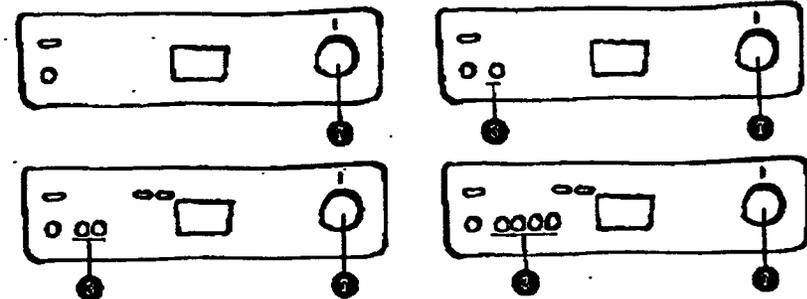


1. Check that I am plugged into the electricity supply with the correct fuse rating in the plug top. (13 Amp).
  2. Open the water mains tap.
  3. Check the salt and rinse aid level.
  4. Load the dishes as indicated.
  5. Fill the Dispenser with detergent. **11**
  6. Select the wash program **12**. See program selection below.
  7. Push the stop/start button. **13**  
The on/off pilot light will come on. **14**
- THE SELECTED WASH PROGRAM WILL NOW COMMENCE.

**WARNING:** Do not open the door of your DISHWASHER during the wash process. It could upset the PROGRAMME.

## PROGRAM SELECTION

You have a whole range of possibilities.



### Program Selection **12**

To select the Wash Program turn the Indicator Control **15** clockwise until the program number reaches the start position.

### Additional function buttons **16**

Depending on the model chosen your dishwasher will have additional buttons **16** which must be selected for the required programme.

Below, a detailed WASH PROGRAMS CHART is presented. Consult the chart for the one which applies to your type of dishwasher.

## WASH PROGRAM SELECTION

### PROGRAM CHART 1 BUTTON MODEL

| PROGRAM N° | PROGRAM TYPE            | APPLICATIONS                                      | TIME (min.) | DETERG. grs. | TEMP. °C |
|------------|-------------------------|---|-------------|--------------|----------|
| 1          | Cold pre-wash           | Soaks dishes which are not to be used immediately | 6           | —            | —        |
| 2          | Intensive               | For very dirty dishes and casseroles              | 100         | 25 + 15      | 65       |
| 3*         | Normal                  | For dirty dishes                                  | 80          | 25           | 65       |
| 4          | Normal without pre-wash | For not so dirty dishes                           | 70          | 25           | 65       |

### PROGRAM CHART 2 BUTTON MODEL

| PROGRAM N° | ADDITIONAL BUTTONS | PROGRAM TYPE  | APPLICATIONS                                      | TIME (min.) | DETERG. grs. | TEMP. °C |
|------------|--------------------|---------------|---|-------------|--------------|----------|
| 1          | —                  | Cold pre-wash | Soaks dishes which are not to be used immediately | 6           | —            | —        |
| 2          | —                  | Intensive     | For very dirty dishes and casseroles              | 85          | 25 + 15      | 65       |
| 3*         | —                  | Normal        | For dirty dishes                                  | 70          | 25           | 65       |
| 4          | e                  | Economic      | For not so dirty dishes                           | 55          | 25           | 55       |
| 5          | —                  | Rapid         | For very lightly used dishes                      | 40          | 25           | 55       |

\* Program 3. Program standardized in accordance with IEC 436-DIN 44990

### PROGRAM CHART 3 BUTTON MODEL

| PROGRAM N° | ADDITIONAL BUTTONS | PROGRAM TYPE  | APPLICATIONS                                      | TIME (min.) | DETERG. grs. | TEMP. °C |
|------------|--------------------|---------------|---|-------------|--------------|----------|
| 1          | —                  | Cold pre-wash | Soaks dishes which are not to be used immediately | 6           | —            | —        |
| 2          | —                  | Intensive     | For very dirty dishes and casseroles              | 85          | 25 + 15      | 65       |
| 3*         | —                  | Normal        | For dirty dishes                                  | 70          | 25           | 65       |
| 4          | e                  | Economic      | For not so dirty dishes                           | 55          | 25           | 55       |
| 4          | ☺                  | Delicate      | Special glass                                     | 50          | 25           | 45       |
| 5          | —                  | Rapid         | For very lightly used dishes                      | 40          | 25           | 55       |

#### HALF LOAD

If your dishwasher has the ☺ button, you can wash just 6 place settings. To do this: 1) choose the programme indicated in the corresponding tables, 2) press the ☺ button and 3) put the crockery in the top basket.

The following amount of detergent is required 15+5 g for the Intensive Programme and 1 g for the other programmes.

### PROGRAM CHART 5 BUTTON MODEL

| PROGRAM N° | ADDITIONAL BUTTONS  | PROGRAM TYPE  | APPLICATIONS                                      | TIME (min.) | DETERG. grs. | TEMP. °C |
|------------|---|---------------|---|-------------|--------------|----------|
| 1          | —   | Cold pre-wash | Soaks dishes which are not to be used immediately | 6           | —            | —        |
| 2          |  | Intensive     | For very dirty dishes and casseroles              | 85          | 25 + 15      | 65       |
| 3*         | —   | Normal        | For dirty dishes                                  | 70          | 25           | 65       |
| 4          | e   | Economic      | For not so dirty dishes                           | 55          | 25           | 55       |
| 4          | ☺   | Delicate      | Special glass                                     | 50          | 25           | 45       |
| 5          | ↔   | Rapid         | For very lightly used dishes                      | 40          | 25           | 55       |

\* Program 3. Program standardized in accordance with IEC 436-DIN 44990

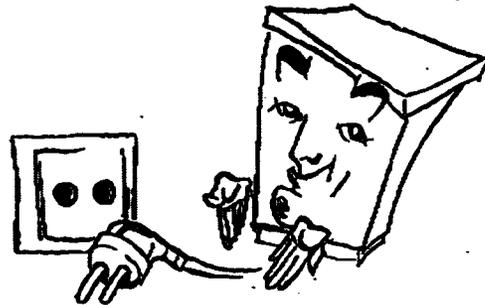
(A) This button is not available in all models.

## TROUBLE-SHOOTING

1. In spite of everything I do not start.  
It could be that:



The electricity has been cut off.



The plug is not correctly wired  
and 13 Amp fuse fitted.

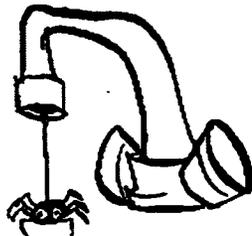


You have not closed the door  
correctly.

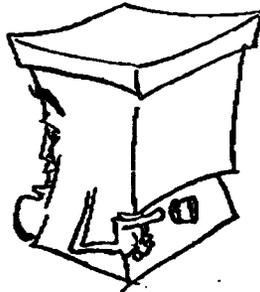


You have not pressed the stop/start button.

2. I switch on but there is no water coming in.  
What's wrong?



The mains water has been cut off.  
The mains tap has not been turned on.

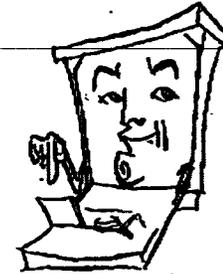


The water intake electrovalve filter (located  
in the dishwasher) is blocked.

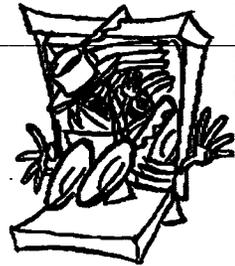
3. The dishes do not come out as clean and shining as you expect.



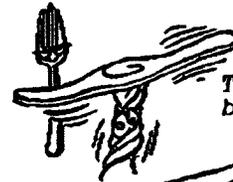
You have not used a special  
dishwasher detergent.



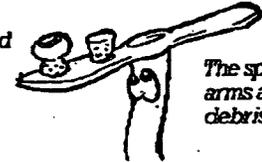
You have not filled the  
detergent dispenser or have  
not closed the detergent cover.



You have not loaded the  
dishes properly. Make sure  
that the plates are not piled  
together.



The spray arms are jammed  
by cutlery or dishes.



The spray holes on the  
arms are blocked with  
debris.



The filter has not been fitted  
correctly or has not been  
cleaned. Check that it is  
correctly fitted.



The drain hose is  
blocked.

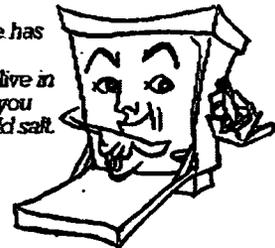


The selected wash  
program is not correct.



An appropriate rinse aid has not  
been used.

The rinse aid intake has  
not been correctly  
adjusted. Or if you live in  
a hard water area, you  
have forgotten to add salt.



If, after consulting this guide, the problem persists, stop the machine, turn off the mains tap and call your local **SERVICE CENTRE**.  
They know me inside-out.