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# **Instructions for the use and care of Z 188A/988A washing machine**

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# Technical data

## Width

17,7 ins (450 mm)

## Overall depth (excluding hose)

23,6 ins (600 mm)

## Worktop height

33,5 ins (850 mm)

## Control panel height

37,8 ins (960 mm)

## Weight

178,5 lbs (80 kg)

## Dry clothes capacity

(excluding synthetic fabrics and wool)

10 lbs (4,5 kg)

## Revolutions during spinning

400 800 r.p.m.

## Total power absorbed

2700 W

## Heater rating

2300 W

## Motor rating during washing

400 W

## Motor rating during spinning

500/600 W

## Water load: normal level

2.8 gals (12,5 l)

## Water load: high level

4.4 gals (20 l)

## Maximum water pressure

110 p.s.i. - 759 kN/m<sup>2</sup>

## Minimum water pressure (cold)

7 p.s.i. - 48 kN/m<sup>2</sup>

## Minimum water pressure (hot)

4 p.s.i. - 27 kN/m<sup>2</sup>

## Supply voltage

220÷240 V

## Supply frequency 50 Hz

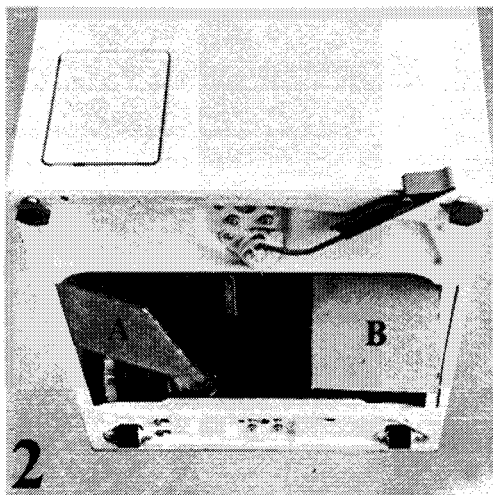
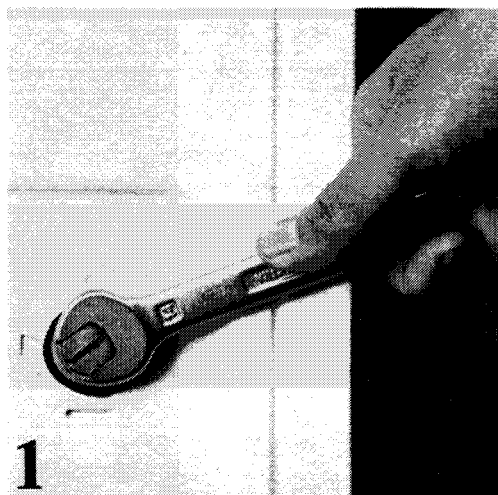
# Installation

## Unpacking

After removing outer carton, reinforcing angles and polythene wrapping, proceed as follows:

1. Undo and remove the four screws from the back of the appliance (Fig. 1).
2. Insert a screwdriver into the free holes left after removing the four screws, and tilt it as required to cause the four cardboard spacers to fall down.
3. Lift the machine and remove the polystyrene base packing.
4. Tilt the machine backwards and remove the two inner angle packings by pulling the two cardboard bands (Fig. 2).  
Pull out the right band B first and then the left band A.
5. Remove the four cardboard spacers that fell down during the preceding operations.

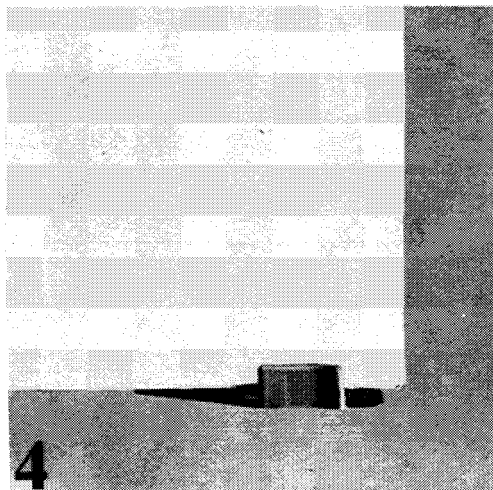
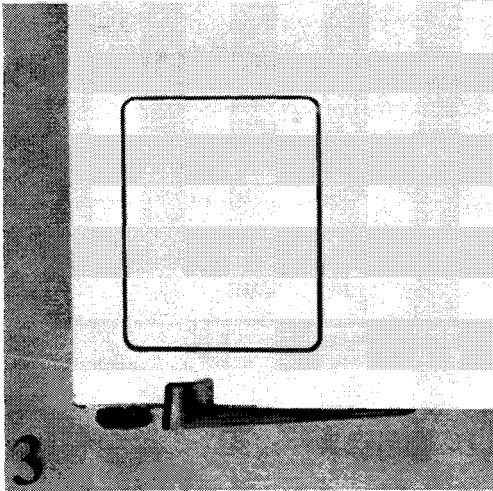
**Note:** It is advisable to keep all parts of the inner packing for re-use in case the machine has to be transported again.



## Positioning & levelling

To allow easy movement, the machine is fitted with 2 fixed wheels located at the rear of the base plus a third small retractable wheel which can be dropped down by turning the special lever (fig. 3) to the left.

To steady the machine, return the lever back to its original position (fig. 4). Then level the appliance very carefully by adjusting the levelling feet located at the front of the base (fig. 5). It is recommended to perform this work



very accurately to avoid any vibration, noise or shifting of the appliance during operation.

Also make sure that the washing machine does not touch walls, furniture, etc. while working.

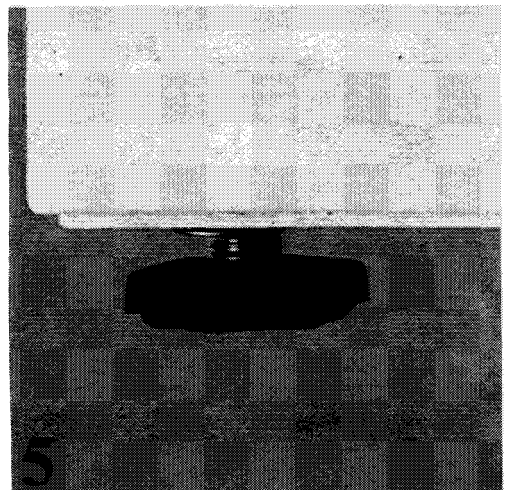
## Water connection

The machine may either be plumbed in or connected to existing taps. Details are given below.

**Water supply.** Separate supplies of hot and cold water are necessary. Single outlet gas or electric heaters are not suitable.

**Water outlet connection.** The adjustable drain pipe from this machine must connect into the main drain from the premises, but not into the rainwater drain. Information as to the type of drain servicing your premises can be obtained from a builder or the Local Authority.

The curved end of the outlet hose should be firmly hooked over the edge of a sink or connected to a suitable drain pipe in the wall or under the sink; however, such a drain pipe should have a built-in air break in



order to avoid water syphoning from the machine during draining.

The top of the drain hose (curved end) should not be lower than 60 cms (23 ins) or higher than 90 cms (35 ins) from floor level (fig. 7).

The water should be able to drain freely and the end of the outlet hose must not be under water.

It is therefore, advisable that the drain pipe, if used, has an internal diameter of at least 4 cms (1,5 ins).

Also, ensure that the drain hose is not choked or placed in such a way as to obstruct the normal water flow. If the drain hose is to be hooked over the sink, ensure that the sink is empty and that the sink plug is not blocking the plug hole.

If an extension is required, its inner diameter must be the same as that of the original hose of the washer and its length must not exceed 2 metres (6 ft).

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### Plumbed installation

It is important that work is carried out by a qualified plumber.

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### Use from existing taps

- 1 - Mixer taps are unsuitable and must not be used.
- 2 - Connect the red pipe connection to the hot tap and the other to the cold tap (see note below).

### Important

If the rate of flow on the cold water valve is too slow, remove the flow control device of the valve.

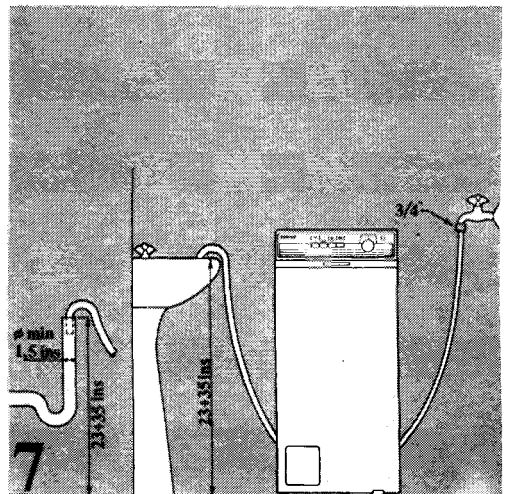
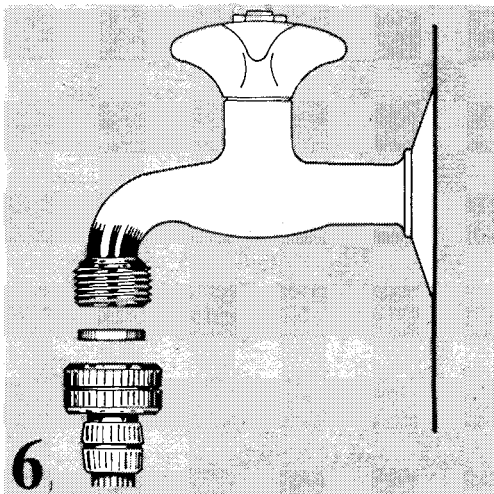
If the pressure on the hot tap exceeds approximately 10 lb. per square inch, it will be necessary to fit the flow control device, which is supplied with the washing machine, in the hot water valve.

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### Tap connections

For taps with a 3/4 inch gas thread, fit the washers to the inlet hoses and connect as shown (fig. 6).

If the water supply is from new pipes or from pipes which have not been used for a long time, it is advisable to run off a certain amount of water before connecting the machine. This will avoid foreign matter blocking the filters.



# Electrical connection

**WARNING:  
THIS APPLIANCE  
MUST BE EARTHED**


**The manufacturer declines to accept  
any liability should this safety  
measure not be observed.**

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## **Important**

The wires in this mains lead are coloured in accordance with the following code:

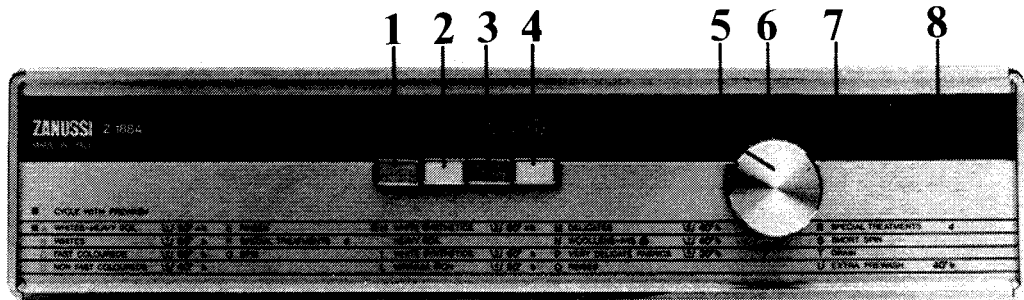
**GREEN AND YELLOW - EARTH  
BLUE - NEUTRAL  
BROWN - LIVE**

Your appliance is fitted with a moulded plug and cord. The plug moulded into the cord incorporates a fuse. For replacement use a 13 asp BS 1362 fuse. Only ASTA approved fuses should be used. The fuse cover/carrier must be replaced in the event of changing the fuse. The plug must not be used if the fuse cover/carrier is lost. A replacement cover/carrier can be obtained from your local Zanussi Service Agent whose address is listed in the enclosed "Zanussi Service Agents Nationwide" leaflet. If you fit your own plug, the colours of the wires in the mains lead of your appliance may not correspond with the markings identifying the terminals in your plug; this is what you have to do: Connect the green and yellow (earth) wire to the terminal in the plug which is marked with the letter «E» or the earth symbol  or coloured green, or green and yellow. Connect the blue (neutral) wire to the terminal in the plug which is marked with the letter «N» or coloured black. Connect the brown (live) wire to the terminal which is marked with the letter «L» or coloured red. This appliance complies with E.E.C. directive No. 76/889 of 4-11-76 relative to radio interference suppression.



# Operating instructions

1. Spin pushbutton «800»
2. Cold water pushbutton
3. Half-load pushbutton
4. Start/Stop pushbutton «I»
5. Program selector
6. Wash Cycle indicator
7. Wash cycle phase indicator
8. Pilot lamp.



### Controls description

### Spin pushbutton «800»:

if pressed in at the beginning of an **energetic** wash cycle, this pushbutton provides the final spin at 800 r.p.m. instead of 400 r.p.m.

**«Cold water» pushbutton:** when this is depressed, the machine will only load cold water. This makes it possible to operate the appliance even if there is only a cold water supply available.

**Half-load pushbutton** : when pressed in, this pushbutton will provide only half of the normal water load in the tub. This makes it possible, when washing only a reduced load (not more than half of the normal dry load), to obtain a reduced water consumption and a considerable saving in electric power consumption. This pushbutton should not be pressed in when washing synthetics or woollens.

**Start-stop pushbutton «I»:**

by pressing it in, the machine starts (pilot lamp lights up). When pressed in again, it stops the machine (pilot lamp goes out).

**Program selector:**

this permits selection of the required wash cycle by pressing it and turning the knob clockwise until the pointer is accurately centered on the letter corresponding to the desired cycle.

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## Loading the clothes

Lift the lid on the machine and turn the drum by hand until the loading door appears (Fig. 8).

Push safety lever A (Fig. 8) to the right and press it down until flap door C (Fig. 8) disengages. Fasten drum flap door B into the special slits F provided for the purpose, and then place the clothes in the drum taking care to spread them out evenly.

Close the loading door by overlapping flap C on flap B, making sure that safety lever A returns to its original position.

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## Filling with washing powder

The washing powder dispenser is located under the lid of the machine.

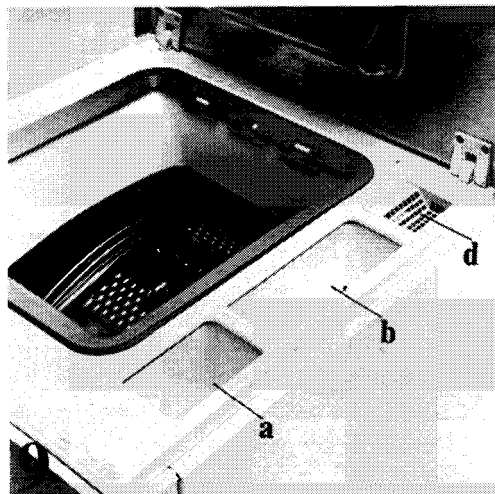
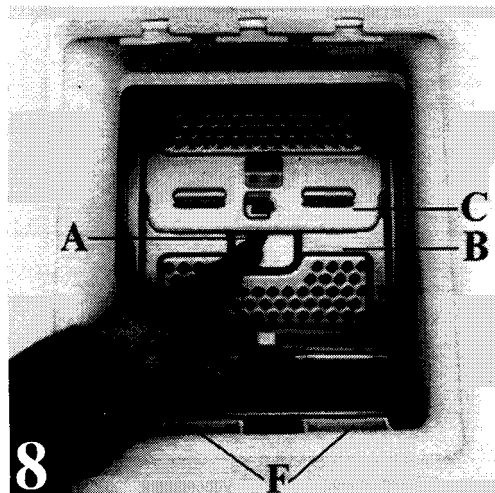
It is very important to use a low sudsing powder (see paragraph «Which powder») such as Persil Automatic or Bold.

Lift the lid and add washing powder. The amount of washing powder for the prewash should be put into section «a» (fig. 9) of the dispenser and the powder for the main wash should be put into section «b».

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## Use of additives

The washing machine is designed to carry out special treatments such as the addition of fabric conditioners automatically at the end of some washing programmes. The liquids to be used should be put into compartment «d» (fig. 9) of the dispenser at the beginning of the programme: These additives will be automatically used by the machine at the appropriate time. Take care to use the correct amount of additive, following the manufacturer's instructions.



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## Which powder?

### Do not use ordinary powders

like Ariel, Radiant, Daz etc. in your new washing machine. The reason for this is very simple, these powders produce so much lather that clothes are prevented from tumbling freely and cannot get properly clean.

**Do use the right powder.** To get the best results, we recommend **Persil Automatic or Bold**.

Like all modern automatic machines the Z188A works at peak efficiency with a low lather product.

**Both these products'** balanced lather is specially designed to complement the cleaning action of these machines. So use it regularly for trouble free washing and superb results.

The amount of powder in grams at full load			
Hardness of water in degrees French (°F)	Prewash	Wash when preceded by prewash	Main wash
Soft: up to 12	20	95	100
Average: 12 ÷ 25	60	145	170
Hard: 25 ÷ 37	95	200	235
Very hard: over 37	135	220	240

For hardness in p.p.m multiply indicated hardness value by 10.

For information regarding the degree of hardness in your area, enquire at competent local authority.

For reduced load or light soiling, reduce the quantities accordingly.

**Do use enough powder.** To get your clothes really clean it is essential that enough powder is used in the machine. The correct amount will depend on a number of things: the hardness of water, the size of the load, and the amount of soiling present. As a guide we suggest you follow the table above and adjust the amounts in light of your personal experience. You may find it helps to use a measuring cup at first.

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## Selection of washing programme

The washing machine carries out 10 washing programmes and 7 additional programmes. Each programme has been specially designed for a specific type of fabric (e.g. cotton, synthetic fibres, wool etc.) and incorporates the H.L.C.C. care labelling scheme.

The appropriate programme must therefore be chosen according to the type of fabric to be washed.

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## Starting

Prior to starting the washing machine, make sure that:

the plug is in the wall socket

the water tap is turned on (fully open)

the drain hose is correctly placed

the lever at the front bottom of the machine is in its closed position, as shown in Fig. 4

the lid is correctly closed.

You may now choose the desired wash cycle and, if required, press in the pushbutton (or pushbuttons, whichever the case may be).

At this point, to start the washing machine simply press in the START-STOP pushbutton (the pilot lamp lights up).

Once it is started, the machine will automatically carry out all phases of the selected program.

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## Stopping

When the program is completed, the machine stops automatically.

At the end of the wash cycle press in the START-STOP pushbutton again (pilot lamp goes out) and wait for about  $1 \div 2$  minutes before lifting the lid so as to allow the safety interlocking device to release it.





If necessary, you may stop the machine at any given moment during the cycle by pressing in the START-STOP pushbutton.

When the wash cycle is completed, it is advisable to unplug the machine from the wall socket and to turn off the water tap.

# Energetic wash cycles

## For Cotton, Linen and Hemp Fabrics

Recommended wash load: 10 lbs (4,5 Kgs) max.








Wash cycle	Position of program selector	Dispenser compartments to be used for		Wash cycle description
		washing powder	fabric conditioner, if any	
WHITES- HEAVY SOIL	 <b>A</b>	a - b	d	Prewash in water at 40 °C (normal level). Main wash in water at 90 °C (normal level). 4 cold water rinses (high level). Spinning.
WHITES	 <b>B</b>	b	d	Main wash in water at 90 °C (normal level). 4 cold water rinses (high level). Spinning.
FAST COLOURED	 <b>C</b>	b	d	Main wash in water at 60 °C (normal level). 4 cold water rinses (high level). Spinning.
NON-FAST COLOURED	 <b>D</b>	b	d	Main wash in water at 40 °C (normal level). 4 cold water rinses (high level). Spinning.
RINSES	<b>E</b>			4 cold water rinses (high level). Spinning.
SPECIAL TREATMENTS	<b>F</b>		d	Intake of water mixed with liquid additive (high level). Special treatments. Spinning.
SPIN ONLY	<b>G</b>			Spinning for about 6 minutes with simultaneous water draining. This is preceded by slow rotations of the drum.

# Gentle wash cycles

## For Delicates, Synthetics, Mixed Fabrics and Woollens

Recommended wash load: 3-5 lbs (1,5-2 Kgs); wool max. 2 lbs (1 Kg).

**Note:** There is no water draining in the last rinse of the gentle wash cycles, to prevent the clothes from creasing if they are left in the machine at the end of the wash cycle. To drain the water, turn the program selector Knob to cycle «S» (draining & gentle spinning) or cycle «T» (draining without spinning).

Wash cycle	Position of program selector	Dispenser compartments to be used for		Wash cycle description
		washing powder	fabric conditioner, if any	
WHITES HEAVY SOIL	 <b>H</b>	a - b	d	Prewash in water at 40 °C (normal level). Main wash in water at 60 °C (high level). 3 cold water rinses (high level).
WHITES	 <b>I</b>	b	d	Main wash in water at 60 °C (high level). 3 cold water rinses (high level).
MINIMUM IRON	 <b>L</b>	b	d	Main wash in water at 50 °C (high level). 3 cold water rinses (high level).
DELICATES	 <b>M</b>	b	d	Main wash in water at 40 °C (high level). 3 cold water rinses (high level).
WOOLLENS	 <b>N</b> 	b	d	Main wash in water at 40 °C (high level). 3 cold water rinses (high level).
This is a special cycle for washing wool garments bearing the woolmark label « Pure New Wool washing shrink resistant ».				
SILKS	 <b>P</b>	b	d	Main wash in water at 30 °C (high level). 3 cold water rinses (high level).
RINSES	<b>Q</b>			3 cold water rinses (high level).
SPECIAL TREATMENTS	<b>R</b>		d	Intake of water mixed with liquid additive (high level). Special treatments.
SHORT SPIN ONLY	<b>S</b>			Water draining followed by a short spin.
DRAIN	<b>T</b>			Water draining with a steady drum.
EXTRA PREWASH	<b>U</b>	a		Prewash in water at 40 °C (normal level) followed by a soaking phase (the laundry is left soaking in water). To drain the water, turn the program knob to cycle «S» (drain with a gentle spin) or «T» (drain).

# Care and cleaning

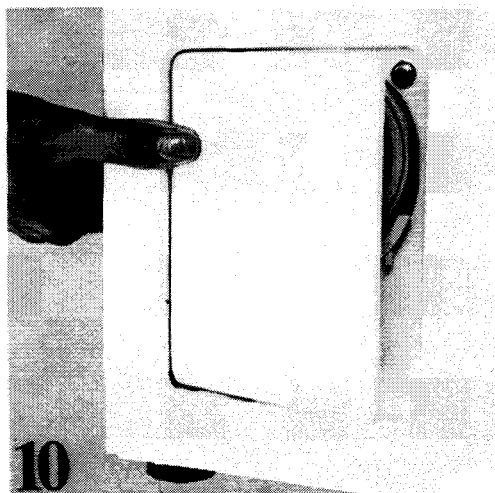
## Cleaning the machine

**Important:** Make sure that the plug has been removed from the socket prior to undertaking any kind of maintenance. From time to time, carry out a complete cycle without a washing load, adding 1 oz of «Calgon». This should also be done when the washer has been out of use for a long time.

Leave the lid open for about 2 hours after the wash to allow air to circulate freely inside the machine.

Plated, polished and plastic parts and the glass door should be cleaned with a soft damp cloth, never with an abrasive cleaning powder.

For the cabinet exterior use a lukewarm solution of mild soap, then rinse and dry carefully. It is also advisable to clean the cabinet, from time to time, with a wax polish applied with a soft cloth.



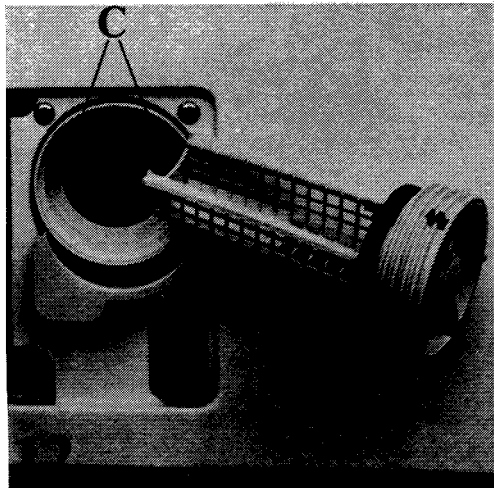
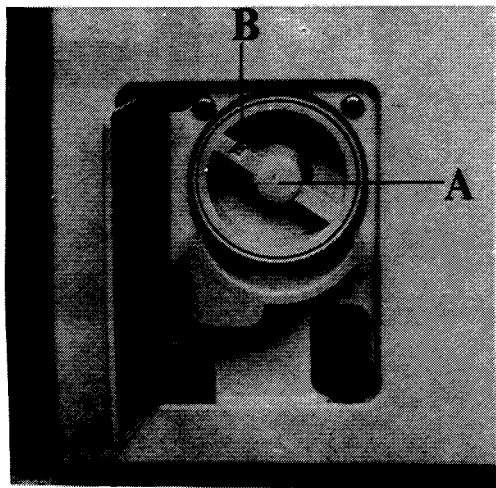
## Cleaning the drain filter

The machine incorporates a mechanical filter, located at the front bottom behind a small flap door, the purpose of which is to collect lint and any small object inadvertently left in the articles to be washed. If this filter is allowed to become clogged, it could make water draining difficult which would in turn result in poor rinses. This filter should therefore be cleaned regularly as follows:

1. At the end of a wash program place the free end of the drain hose at floor level in a basin to collect any water left in the hose.
2. Open the flap door of the filter compartment by pressing it inwards with a finger at the hinged side (as shown in fig. 10).
3. Shift safety slider A (fig. 11) until the red notch B (fig. 11) disappears.
4. Turn the filter knob counterclockwise and pull the filter out. Underneath the filter there is a small extractable gutter which makes it easier to collect any residual water that might flow out when the filter is removed.
5. Clean filter thoroughly.
6. Refit the filter into the special guides C (fig. 12) and turn the knob clockwise until the red notch reappears.

## Hints for care of washing powder dispenser

We recommend that the washing powder dispenser is checked regularly to ensure that it is clean and dry. Do wipe the dispenser after each wash.





# Helpful tips for washing

Here are some practical hints to enable you to obtain the best washing results: Use a low suds washing powder specially made for washing machines.

An excessive formation of suds will cause unsatisfactory operation.

The quantity of washing powder required depends on the amount of laundry and on how soiled it is. It may therefore be necessary to vary the quantities suggested in this book according to experience.

To obtain the best results when washing wool do not wash more than 2 lbs. at a time.

In order to get good results when washing synthetic material use a maximum washing load of 4 to 5 lbs. If your water is hard it can be softened by adding special products such as «Calgon» to the washing powder in compartment «b» (fig. 9). These products facilitate the action of the washing powder and help to give better results.

Clothes should be sorted according to fabric type, degree of soil and colour fastness.

Tears and open seams should be mended, loose buttons secured, zippers closed and laces or bents collected in a cotton bag.

Articles without a hem should not be washed. Ensure packets are emptied and spots of rust, paint, ink etc., removed before washing.

Always turn off water taps fully when the machine is not in use, even if it is plumbed in.

If, after commencing a wash, you find that the wrong programme has been selected, press the START-STOP pushbutton and turn the indicator knob clockwise to the correct programme.

Then press again the same pushbutton. Washing powder should only be placed in the dispenser immediately prior to the start of a programme.

Do not leave washing powder in the dispenser for any length of time as it may form lumps which can be difficult to dissolve.

It is advisable to inspect the filters in the water inlet hoses periodically and clean if necessary.

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# Servicing

Should servicing be required for this appliance contact your local Service Agent but before requesting service the following simple checks may save you inconvenience and expenses:

## **The machine won't start**

- Check that the plug is firmly in the wall socket and that there is an electricity supply by plugging in another appliance.
- Check that the lid of the machine is firmly closed.
- Check that the START-STOP pushbutton is actually pressed in.
- Make sure the fuses of your electrical installation have not blown.

## **The machine won't fill**

Check that:

- the water tap is actually turned on and that there is sufficient pressure.
- The lid is firmly closed.

## **The machine fills, but the water empties from the drain hose**

Check that:

- the end of the drain hose is not placed too low from floor level.

## **The machine won't drain or spin**

Check that:

- the drain hose is not sharply bent (kinked) or placed in such a way as to obstruct a normal water flow.
- The drain pump filter is not clogged.

## **The machine vibrates or is too noisy**

Check that:

- the inner packing (transit security) was correctly removed, as described in paragraph «Unpacking».
- The machine is correctly levelled and steadied as described in the relevant paragraph.
- The washer is not too close to a wall or to the furniture.



### ZANUSSI GUARANTEE CONDITIONS

This guarantee is in addition to your statutory and other legal rights which will not be excluded or in any way diminished by the return of the enclosed card.

We, IAZ International (UK) Ltd, guarantee that if within twelve months of the date of the purchase, this ZANUSSI appliance or any part thereof is proved to be defective by reason only of faulty workmanship or materials we will at our option repair or replace the same FREE OF ANY CHARGE for labour, materials or carriage on condition that:

- The appliance has been correctly installed and used only on the electricity supply stated on rating plate.
- The appliance has been used for normal domestic purposes and in accordance with the manufacturer's operating and maintenance instructions.
- The appliance has not been serviced, maintained, repaired, taken apart or tampered with by any person not authorised by us.

- The appliance is still in the possession of the original purchaser.
- Any appliance or defective part replaced shall become our property.

This guarantee does not cover any damage caused during transportation or the replacement of any light bulbs or removable parts of glass or plastic.

Should you require service on your Zanussi appliance consult the enclosed list of service agents for your nearest Zanussi engineer. If the product is under guarantee then you will be required to produce proof of date of purchase to the engineer.

Please ensure that the enclosed pre-addressed card is stamped, completed in full and forwarded to IAZ International (UK) Ltd, to enable the guarantee to be recorded. Also complete the space below as your own record of the guarantee.

### GUARANTEE RECORD

Appliance purchased from \_\_\_\_\_ on \_\_\_\_\_  
Guarantee card no \_\_\_\_\_ Model no \_\_\_\_\_  
Serial no \_\_\_\_\_ (These details may be taken from your Guarantee Record Card)  
Your name \_\_\_\_\_  
Address \_\_\_\_\_