

LAVAMAT 541 electronic

FULLY AUTOMATIC
WASHING MACHINE

Operating Instructions

Please read and follow the instructions in this booklet

Separate instructions on installation and connection are supplied with the machine.

Important

To avoid damage during transit we have fitted transit bars to the machine. Please remove these before installing and connecting the machine. You will find details how to do this on the red sticker on the washing machine and in the installation instructions.

This is a domestic washing machine for domestic use only

It must only be used for washing laundry recommended by the manufacturer for machine washing carrying the relevant International Textile Care Labelling Code following the instructions contained in this booklet.

The machine must be installed and cared for and maintained as instructed in this instruction booklet and in the installation instructions.

Any other use, installation, maintenance may lead to damage to the machine, persons or property.

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This Lavamat from the ÖKO range developed by AEG

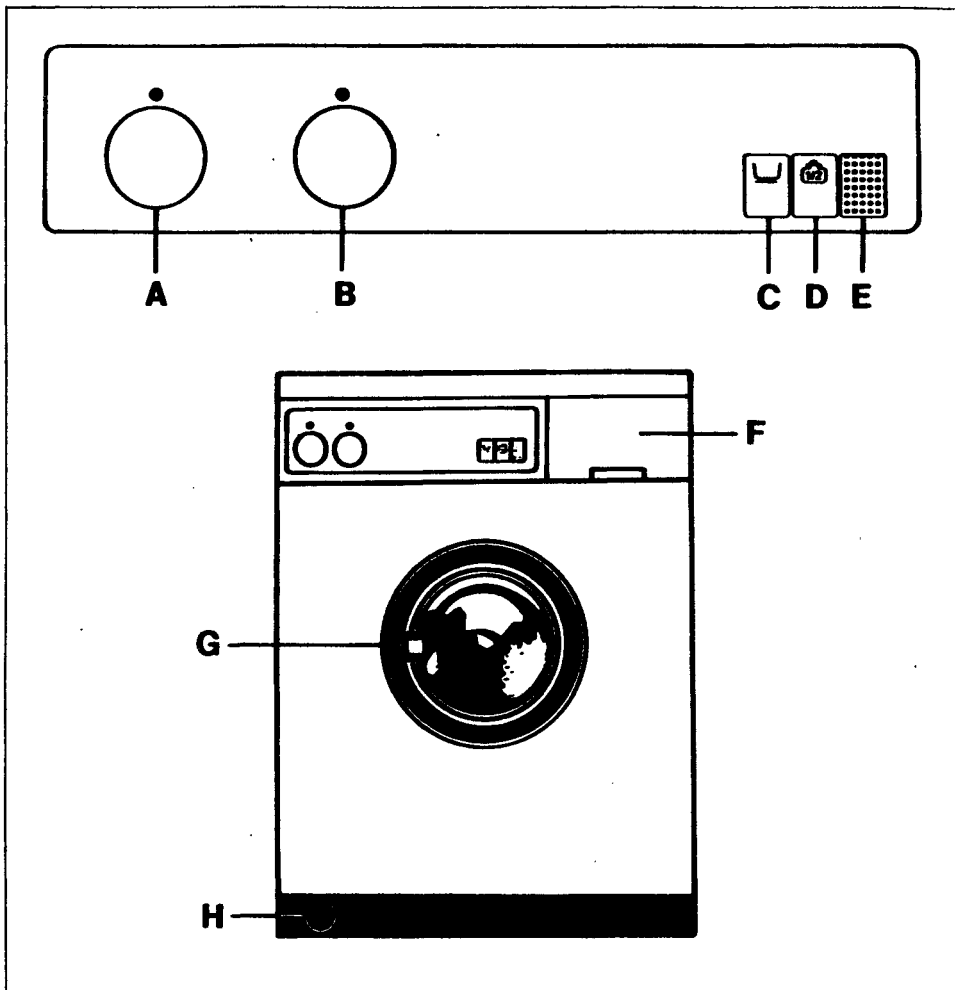
... saves detergent

The Eco valve closes off the wash tub from the drainage system and all the detergent is available for the washing cycle without losing any.

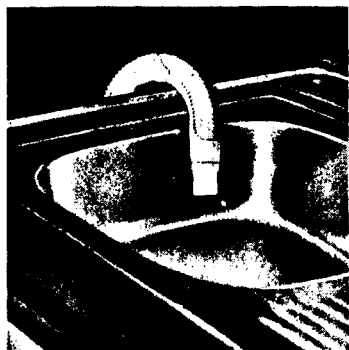
You will find further information on page 9.





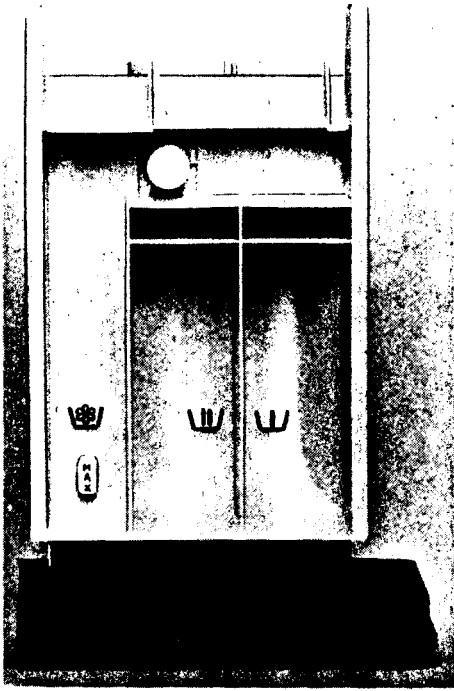


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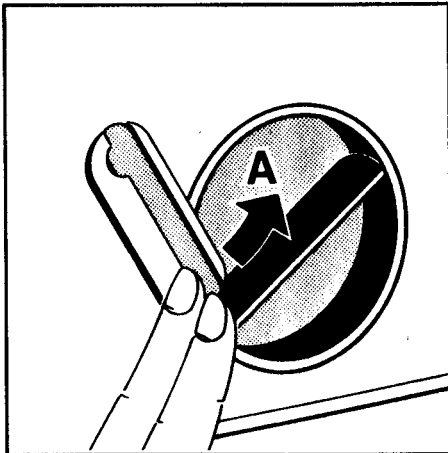


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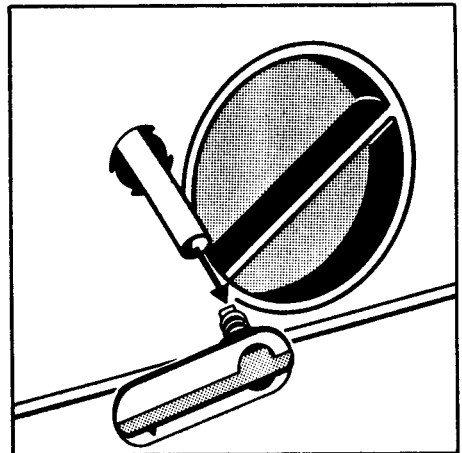
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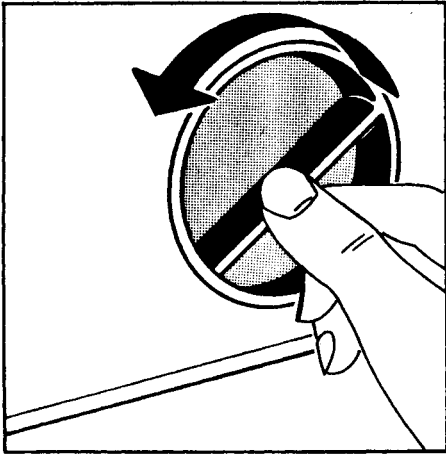
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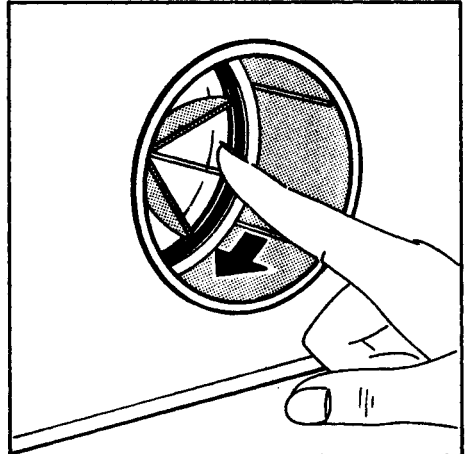
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4b



5



6

Your LAVAMAT

Figure 1/A Programme selector

Figure 1/B Temperature selector

Figure 1/C Button for easy-care fabrics and wool

Figure 1/D Button for small loads

Figure 1/E Door control light (yellow)

Figure 1/F Detergent dispenser with double-sided programme chart* removable

Figure 1/G Door with handle

Figure 1/H Drain pump with pull-out emergency drain tube to the left.

Check list – what to do before and after every programme

If the machine is not permanently connected:

- Plug in the machine and switch on at the power socket.
- Make sure that the drain hose is not kinked. To hook the hose securely over the sink edge use the hose holder provided (figure 2). If the sink edge is too wide thread a piece of string through the hole in the hose holder (see figure 2/arrow) and secure on the wall or the tap over the sink. **Make sure that the drain hose is not submerged in the pumped off water.**
- Connect the water inlet hoses to the taps.

Before you select a programme:

- Open the water taps.
- Open the door.
- Distribute the laundry (sorted according to page 8 in this booklet) in the drum, close the door.
- Pull open the detergent dispenser (figure 3) and pour washing powder and fabric conditioner into the relevant compartments. Close the dispenser carefully.
- Select the wash programme (see programme charts in this book and in the dispenser drawer).
- Pull the programme selector (figure 1/A); a white band will be visible to indicate the machine has been switched on. The door control light comes on (figure 1/E) as soon as the door is locked.

End of programme:

- The programme is completed when the door control light has gone out. (Careful "Rinse-hold" programmes – light will only go out after you have selected 'pump out' or 'short spin' – see programme charts.)
- Push in programme selector, white band is no longer visible. Return the temperature selector to the 'off' position. Release any buttons selected.
- Open the loading door.
- Remove laundry. If nothing else is to be washed **turn off the water taps and switch off at the power socket and remove the plug.**

* Replacement programme charts are available from AEG Service Department.

Sorting the laundry

Sorting the laundry

Check the manufacturer's instructions or the care label inside each garment (see the International Textile Care Labelling Code in the programme chart). The laundry should be sorted into:

Cottons and linens (whites and coloureds)
Easy-care fabrics
Delicate synthetics
Woolens

DO's and DON'Ts

- Do not mix whites and coloureds as the whites will become grey.
- New items tend to lose some of their colour when washed for the first time. It is therefore advisable to wash them separately the first time.
- Woollen items which carry the wool symbol must also bear the description "machine washable". Woollen items which only bear the wool symbol cannot be washed in washing machines.
- Make sure that no metal items (e. g. coins, paperclips, safety pins, pins, nails, etc., are left in the laundry. Any metal objects left in the laundry can cause considerable damage to the machine. Fasten buttons, zips, hooks and eyes, tie loose belts, long apron strings, etc.
- Remove stubborn stains prior to washing.
- Synthetic curtains should be handled carefully as they snag easily. Remove the hooks or rollers and place the curtains in a pillowcase or washbag, to wash. We accept no responsibility for any damage through incorrect handling.

Opening and closing the door

To open the door: Pull door handle forward.

To close the door: Press the door handle to engage the lock.

Note:

The door is locked throughout the wash programme and for as long as the door control light is on (figure 1/E). For your safety it can only be opened after the programme has finished or when the machine is switched off (in this case check water level and observe a short time delay until door can be opened).

Load Sizes

You will find details as to how much laundry you can wash in your machine in the programme chart but you may find the following general information useful:

- When washing cottons and linens fill the drum with dry laundry leaving a space of a hand's breadth between laundry and the top of the drum.
- A 10-litre (2½ gallon) bucket will take approximately 2.5 kg of tightly packed dry laundry (cottons and linens).
- Distribute the laundry in the drum as loosely as possible

Useful advice:

If your are washing a single large item, eg; a towelling dressing gown or bath mat this may cause vibration and instability of the machine. It does not affect the operation of the machine.




Washing powder, conditioner and starch

- In an automatic washing machine you need to use a low lather washing powder. We recommend Ariel automatic which has been specially formulated for automatics.
 - To soft rinse or starch laundry be sure to use liquid fabric conditioner (we recommend Lenor) or starch. If, however, you wish to use powder starch, then dissolve the starch according to the manufacturer's instructions and pour the dissolved starch straight into the drum after the wash programme has finished and select the separate starching programme.
 - How much washing powder you use depends on the water hardness (soft, medium, hard, very hard), the quantity of laundry and the degree of soiling. Your local Water Board will advise you on the hardness of the water in your area. On the washing powder packet you will find instructions as to how much powder to use (according to water hardness).
- Please note:**
- Your machine is equipped with a device which utilises all the detergent you add for the wash without losing any.
 - For this reason you can reduce the amount of detergent recommended on the packet by 20 % (1/5).
 - This feature means you save money but maintain excellent wash results and you contribute towards protecting the environment.
 - Do not fill any measuring beakers supplied with the detergents to the levels marked but follow our recommendations above.
 - When washing lightly soiled laundry reduce the amount of detergent even further.
 - When washing small loads – with 1/2 load button – reduce the amount of powder by 1/3.
 - Warning! Do not use any bleaching agents containing chlorine or sulphur or any acidiferous descalers.
 - Never wash any laundry in a washing machine which has been treated with inflammable material prior to washing until these are totally evaporated. Laundry must only be washed with water from the usual water supply system and not with any other liquids.

Before selecting a programme, pour washing powder and fabric conditioner into the relevant compartments of the dispenser.

To do this pull open the dispenser drawer.

You will find 3 compartments (figure 3):

- Compartment  (right): washing powder for the **pre-wash**
- Compartment  (centre): washing powder for the **main wash**
- Compartment  (left): liquid fabric conditioner or starch.

Do not fill above "MAX" indicator level otherwise the liquid may drain immediately.

Low lather liquid detergents can be used in your washing machine. The most economical and most convenient way to do so is to use the special dispensing balls supplied by the detergent manufacturers as the many different liquids on the market all have different viscosities. We recommend Ariel liquid and if you wish to use a dispenser in the machine rather than the dispenser supplied with Ariel liquid, this is available as an optional extra from your AEG stockist under the E No. 605 898 827.

Carefully close the dispenser completely.

The dispenser can be removed from the machine for cleaning.

Explanation of controls

For normally soiled laundry use a programme **without a pre-wash** (selector programme number 2 or 3). For more heavily soiled laundry use a **pre-wash and a main wash** (selector programme number 1) with the **exception of wool**.

To select a wash programme set the programme selector (figure 1/A) to the required programme number, the temperature selector (figure 1/B) to the required temperature and press any selector button(s) required (figure 1/C/D).

Programme selector

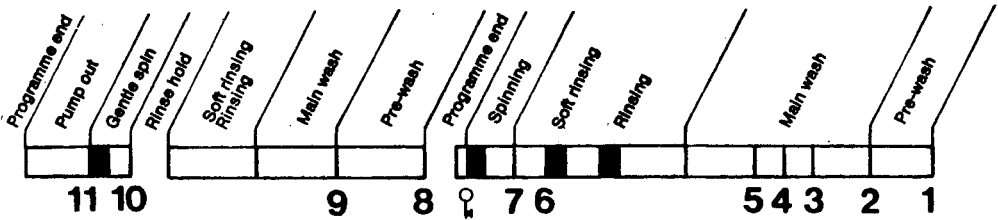
The **programme selector** has 11 settings for the main and the additional programmes. The programmes are indicated by numbers (see programme chart) and below the numbers you will find the programme progression.

The programme selector must only be turned clockwise and when it is in the pushed in position.

The programme selector is also the ON/OFF control.

To switch on: pull out **NO** (white band is visible)

To switch off: push in **ON** (white band is covered)



Temperature selector

The **temperature control** is variable. By selecting E for lightly soiled white cottons and linens the machine washes at 60 °C instead of 95 °C. The wash time is extended to give

a clean wash. If the selector is set to "●" the machine will carry out a cold wash. **During a hot wash the glass door may get hot, please take care and do not touch.**

Selector Buttons



Button for easy-care fabrics and woollens (figure 1/C)

Press this button in addition to a selected programme when washing **easy-care fabrics** or **woollens**. The laundry is rinsed without intermediate spinning and woollens are washed with an extra gentle action. The laundry is left in the last rinse water. (Pump out the water before opening the door – see programme chart.)

fabrics up to 1 kg. Do not press this button when washing woollens or delicate synthetics it is ineffective. Reduce amount of washing powder by 1/3.

Although the half load button is very valuable for the smaller loads as the amount of water used for a wash programme is reduced we would like to point out that the most economical wash is still the full capacity one.



Button for small loads (figure 1/D)

Press this button in addition to a selected programme if you want to wash smaller loads. Cottons and linens up to 2.5 kg, easy-care

How to switch the machine on and off

How to start the machine

1. Turn the programme selector (**only in the pushed in state**) clockwise to the required programme, select the required temperature and press any buttons as required (see programme chart).
2. PULL OUT the programme selector (to switch on the machine). A white band will be visible to indicate the machine is switched on. The door control light comes on as soon as the door is locked.


The programme selector will rotate during the programme, stopping temporarily during the heating up period of some programmes. The drum is also stationary for the same length of time.

Useful advise

To interrupt the programme, e. g. to add laundry, switch off the machine. **Before opening the door check the water level, you may need to pump off some water, and allow for a short time for the safety lock to be released.**

How to switch off the machine













Important!

Always have a look at the water level in the drum, then look at the programme selector. If it has stopped on rinse hold, this means you have to pump out the rinse water (turn programme selector to 10/11 – see programme chart). If it has stopped on symbol  (the control light has gone out) = push in the programme selector, return the temperature to the "off" position and release any depressed selector buttons.

The machine is switched off. The door can be opened.




If nothing else is to be washed turn off the water supply and switch off the power at the power socket.




Main programmes

International Textile Care Labelling Code	Fabrics	Type of laundry	Programmes	Load size
	White cotton and linen articles without special finishes	Bed and table linen, towels, underwear, white or colourfast	Hot wash	up to 5 kg**)
		Bed and table linen, towels, underwear without stains	Hot wash (shorter main wash)	up to 5 kg**)
	White cotton and linen articles without special finishes	Bed and table linen, towels, underwear without stains	lightly soiled	up to 5 kg**)
	Cotton, linen or rayon articles without special finishes where colours are fast at 60 °C	Coloured blouses, aprons, overalls, shirts, bed linen, towels	Coloureds	up to 5 kg**)
	Cotton, linen or rayon articles, colours are fast at 40 °C but not at 60 °C	Deep coloured laundry	Coloureds	up to 5 kg**)
 	As above	Lightly soiled laundry	Coloureds (short programme)	up to 5 kg**)
	Nylon; polyester; cotton and rayon articles with special finishes; acrylic/cotton mixtures; polyester/cotton	Sheets, pillow cases, duvet covers, shirts, blouses, skirts, trousers, underwear	Easy-care	up to 2 kg
	As above	Lightly soiled laundry	Easy-care (short programme)	up to 2 kg
 	Delicate synthetics	Jumbers, blouses, dresses, curtains	Delicates with pre-wash	up to 2 kg
			Delicates without pre-wash	up to 2 kg
 	Wool, including blankets and wool mixtures with cotton or rayon; silk	Machine washable woollens	Wool	up to 1 kg

Programme Selection Programme Temperature Buttons Selector Selector	Programme Cycle	Small Load	Note
or 2 95/	Pre-wash – main wash – 4 rinses – spinning		1 with pre-wash 2, 3, 4, 9 without pre-wash **) Load size for ■ Lightly to normally soiled laundry 5 kg ■ Heavily soiled laundry 3.5 kg
3 95/	Pre-wash – shorter main wash – 4 rinses – spinning		
or 2 E	Pre-wash – main wash – 4 rinses – spinning		
or 3 60/	Pre-wash – main wash – 4 rinses – spinning		
or 3 40/	Pre-wash – main wash – 4 rinses – spinning		
4 ... 60/	Shortened main wash – 4 rinses – spinning		
or 3 50/	Pre-wash – main wash – 4 rinses – rinse hold*)		
5 ... 50/	Shortened main wash – 4 rinses – rinse hold*)		
8 30/ or 40/	Pre-wash – main wash – fills to high water level – 3 rinses – rinse hold*)		
9 30/ or 40/	Main wash – fills to high water level – 3 rinses – rinse hold*)		
9 40/	Main wash – fills to high water level – gentle wash action – 3 rinses – rinse hold*)		
			Please turn to page 7 for information on what to do before starting a wash programme.

Additional Programmes

Programme	Laundry	Load size	Programme selection		
			Programme Selector	Temperature Selector	Buttons
Soft rinsing – starching – spinning –	Cottons and linens	up to 5 kg	6		
Soft rinsing – starching –	Easy-care fabrics and delicate synthetics	up to 2 kg	6		
Spinning	Cottons and linens	up to 5 kg	7		
Extra pre-wash – soak programme	Cottons and linens, heavily soiled	up to 3.5 kg	8		
Pump out – short spin	Easy-care fabrics, delicate synthetics, woollens	up to 2 kg	10		
Pump out	For laundry which should not be spun		11		

Programme Cycle	Small Load	Notes
Rinsing – spinning		<p data-bbox="617 416 1039 555">*) Rinse hold The laundry is left in the last rinse water. Before opening the door, release button  and turn the programme selector to setting 10 (pump out and short spin) or to setting 11 (Pump out only).</p> <p data-bbox="645 903 930 970">Please turn to page 7 for information on what to do before starting a programme.</p>
Rinsing with rinse hold*)		
Spinning – for laundry washed and rinsed by hand		
Pre-wash (soaking) – fills to high water level – laundry is left in the wash solution. Proceed as for rinse hold*)		
Pump out – short spin – (After a rinse hold programme or for laundry washed and rinsed by hand)		
Pump out, e. g. following a programme with rinse hold*)		

How to look after your LAVAMAT

Protecting the machine against frost

Any damage due to frost is not covered by warranty. If the machine is situated in a room which might be affected by frost, any water must be removed from the drain pump (see

emergency drain this page) as well as from the water inlet hoses (disconnect the inlet hoses from the water tap and drain).

Care and maintenance

The **detergent dispenser** requires cleaning from time to time. To do this remove the drawer completely by pulling it out. Clean the dispenser. Slot it into the guide rails and push to close.

The **drum** of your machine is made of stainless steel and cannot rust. However, rust may be introduced with the laundry (zips, paper-

clips, hair pins, tacking or safety pins). Remove such stains with a stainless steel cleaner.

Do not use any abrasives.

Do not use furniture polish or abrasive cleaning agents to clean the fascia panel or controls of the machine. To clean the fascia panel use lukewarm water only.

Emergency drain

If you wish to remove your laundry during a power cut or if the machine is defective, use the emergency drain facility to empty the water. Turn control A (fig. 5a) a quarter turn anti-clockwise. Pull emergency drain tube forward (fig. 5b) and remove rotary control. Drain residual water into a container

(place a cloth under the container). Replace rotary control on emergency drain tube. Push in emergency drain tube and secure rotary control by turning a quarter turn clockwise

Take care when draining any hot wash solution.

If you think your machine is not working properly



Non functioning of your washing machine is mostly due to minor causes which you can rectify yourself. Before you call out a service engineer please check through the following fault finding chart.

The programme does not start

- Is the machine plugged in?
- Are the fuses in working order?
- Have you closed the door properly?
- Have you pulled out the programme selector?

The machine does not fill with water

- Have you turned on the taps?
- Is the filter (where fitted) in the water inlet hose blocked?
The filter is located where the hose attaches to the tap. Unscrew the hose and clean the filter under running water.

A further filter is located in the hose connection to the machine. Unscrew hose from machine and clean filter.

The machine vibrates or moves

- If there is too little laundry in the drum (e. g. just one dressing gown, bath mat etc.) this may lead to vibration. Therefore, wash more items. However, movement may also result from:
 - Blocked drain pump
 - Kinked or twisted drain hose
 - Transit bars have not been removed
 - The machine is not installed properly (see installation instructions supplied).

The machine is oversudsing

- Have you used too much washing powder?
Use less powder for the next wash or omit the pre-wash.
- Have you used a low lather powder?

If you think your machine is not working properly

The door cannot be opened immediately the programme is interrupted

- The machine has a safety lock which will only be released after 1 to 2 minutes.

Water is leaking from underneath the machine

- Check the water inlet hose connections to the tap and to the machine. Check the drain hose connection to the machine.
- Check the water inlet and outlet hoses for leaks.
- Check that the drain pump cover is closed properly (see "Cleaning the drain pump").

The machine did not spin properly or pump out completely

- Is the water drain hose kinked or twisted? In this case the drain pump cannot pump out sufficient water.
- Is the drain pump blocked (see "Cleaning the drain pump").

The machine does not pump out any water

This means the drain pump may be blocked and would require cleaning as follows.

Cleaning the drain pump

1. Switch off at the power socket and remove the plug.
2. Empty drain pump (see "emergency drain" on page 16).
3. Unscrew cover **anti-clockwise (fig. 6)** and pull out to remove.
4. Remove the obstructions blocking the pump and make sure that the pump impeller (**fig. 7**) is rotating fully and not impeded by any particles lodged behind the impeller.
5. Replace pump cover and close it by turning it **clockwise**. Make sure it is closed properly otherwise **water will leak from the pump**.
6. Close emergency drain tube with rotary control and push back into the machine. Secure rotary control to the machine by giving it a quarter turn **clockwise**.

Note

Please use the fault-finding chart "If you think your machine is not working properly" as a check list for the proper performance of your machine.

If you call a service engineer in connection with one of the aforementioned problems, or problems related to user error, misuse or abuse of the machine, please note that the cost involved for this call will have to be passed on to you even during the warranty period.

Service

Should you be unable to locate the cause of the problem in spite of the check list "If you think your machine is not working properly", then please contact your AEG Service Department.

If you require to have your machine serviced you will assist the Service Department by quoting the F and E numbers which you will find on the rating plate in the area of the loading door.

For easy reference we would recommend that you transfer these numbers in the space provided below:

Product number (E-No.)

Serial number (F-No.)

These numbers enable the Service Dept. to order any parts to complete the repair on first call, if at all possible.

Technical Data

Dimensions: With worktop (where fitted): Height 85.0 cm Width 60.0 cm Depth 60.0 cm	Capacity: Depending on the programme up to 5 kg
Without worktop: Height 82.0 cm Width 59.5 cm Depth 57.0 cm	Drum speed: Washing 50 r.p.m. Spinning 850 r.p.m.
Electrical connection: Please see information on the rating plate of the appliance	Water pressure: 1-10 bar cold water supply 0.3-10 bar hot water supply Weight: approx. 80 kg

This appliance meets the radio interference suppression requirements of EC Directive 82/499 EC and the standards concerning the effects of electrical appliances on power system EN 60 555 Parts 1-3/DIN VDE 0838 Parts 1-3, June 1987.

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