



Operating instructions for the W 1930i Washing Machine

To prevent accidents and reduce the risk of damaging the machine, read the Operating Manual **before** installing or using the machine.

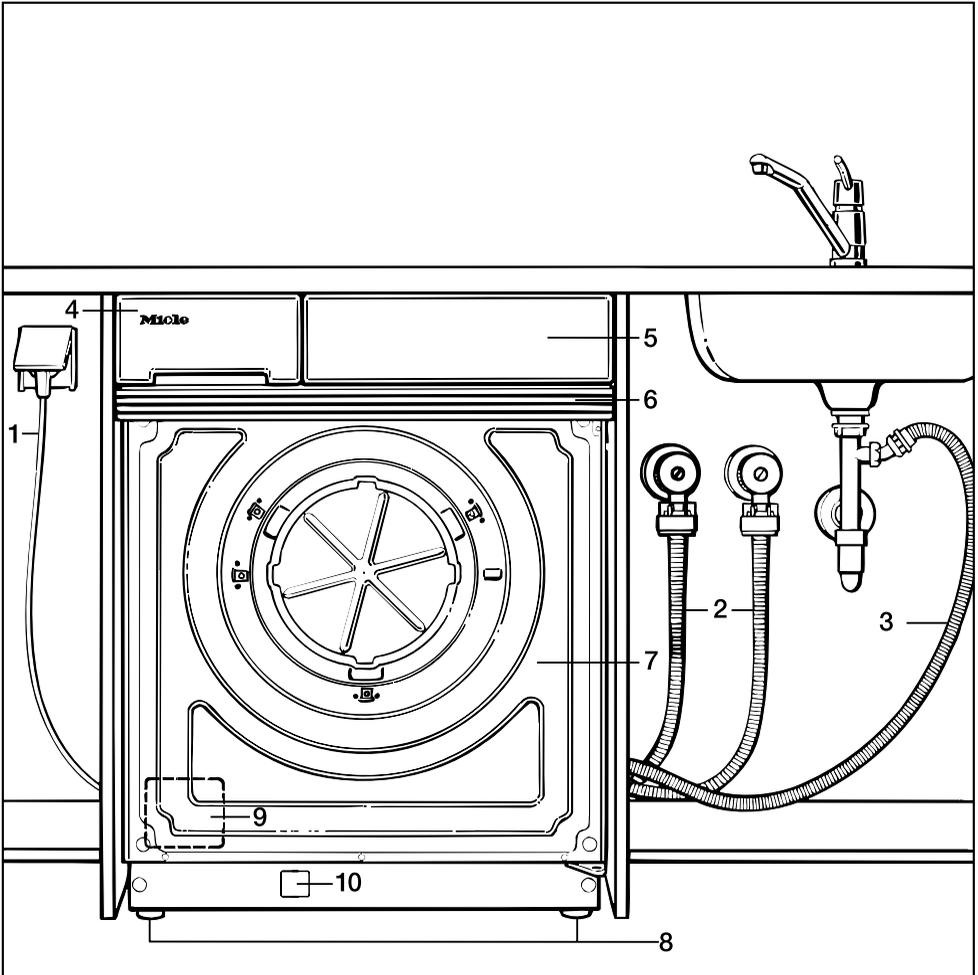


M.-Nr. 04 612 680

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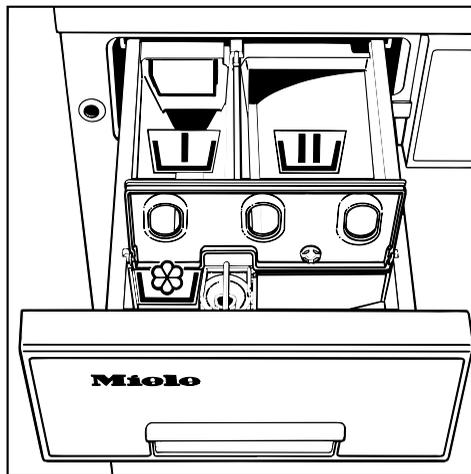
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Guide to the machine



- | | |
|---|--|
| 1 Supply cable | 7 Inner door panel |
| 2 High pressure inlet hoses | 8 Four height adjustable legs |
| 3 Flexible drain hose, with detachable swivel elbow | 9 Access panel for lint filter and drain pump |
| 4 Detergent dispenser drawer | 10 Access panel for emergency drain and door release |
| 5 Control panel | |
| 6 Adapter strips | |

Guide to the machine

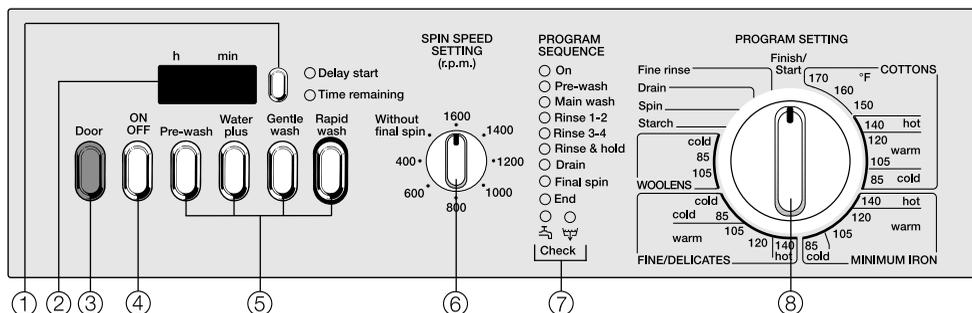


Detergent dispenser drawer

Compartment  - for the pre-wash.

Compartment  - for the main wash.

Compartment  (with lid) - for fabric softener or starch.



- ① “Delay start” button.
- ② Time display “h mins”.
- ③ “Door” button; opens the drum door.
- ④ “ON/OFF” button; to turn machine on or off or to interrupt a program. The “On” lamp illuminates.
- ⑤ Pushbuttons for additional functions.
- ⑥ SPIN SPEED SELECTOR switch.
- ⑦ PROGRAM SEQUENCE indicators (LED indicator lamps).
- ⑧ PROGRAM SELECTOR switch.

Important safety instructions

WARNING – To reduce the risk of fire, electric shock, or injury to persons when using your appliance, follow basic precautions, including the following:

1. Read all instructions before using the appliance.
2. Do not wash articles that have been previously cleaned in, washed in or soaked in gasoline, dry-cleaning solvents, or other flammable or explosive substances. They give off vapors that could ignite or explode.
3. Do not allow children to play on or in the appliance. Close supervision is necessary when the appliance is used near children.
4. Before the appliance is removed from service or discarded, remove the door to the washing compartment.
5. Do not reach into the appliance if the drum is moving.
6. Do not install or store this appliance where it will be exposed to weather.
7. Do not tamper with the controls.
8. Do not repair or replace any part of the appliance, or attempt any servicing unless specifically recommended in the user-maintenance instructions or in published user-repair instructions that you understand and have the skills to carry out.
9. Do not add gasoline, dry-cleaning solvents, or other flammable or explosive substances to the wash water. These substances give off vapors that could ignite or explode.
10. Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for 2 weeks or more. **HYDROGEN GAS IS EXPLOSIVE.** If the hot water system has not been used for such a period, before using the washing machine, turn on all hot water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use an open flame during this time.

SAVE THESE INSTRUCTIONS

Refer to the Electrical Connection Section for grounding and installation instructions.

Warning - To reduce the risk of fire, electric shock, or injury to persons, read the IMPORTANT SAFETY INSTRUCTIONS before operating this appliance.

Disposal of the packing material

The transport and protective packing is mostly manufactured from the following recycled or recyclable materials:

- corrugated paper/cardboard
- polystyrene - CFC-free
- polystyrene foil (transparent)
- Untreated wood
- Polypropylene (PP) strapping

Rather than throwing these materials away, please take them to your community recycling center.

Disposal of your old machine

Old machines contain materials which can be recycled. Please contact your recycling center or scrap merchant before disposing of the appliance, and render the machine inoperative as per the “Warning and Safety Instructions”

The key to good wash results is finding the correct combination of detergent and temperature, and then allowing the washing machine to optimize their usage through its programming. Program lengths can vary for this reason.

With the “Hydromatic” system, the drum can revolve at various speeds. Faster and slower agitation speeds, along with pauses for soaking, combine to ensure excellent results.

The automatic load control feature ensures the correct water level for the type of fabric and load being washed (even though it may appear as if there is too little water in the drum!).

Because of the accurately balanced drum and special sound insulation, machine noise is minimal while operating.

The fully electronic controls offer a combination of simple operation with many optional features. For instance, since a main wash generally gives good results for a normal load, the pre-wash cycle has been made a user selectable option, saving time, water and energy over older full cycle machines.

Economy

For optimum economical usage, remember the following tips:

- The automatic load control feature will adjust the water level for loads up to 11 lbs (5 kg). Washing with the maximum load specified for each program uses water and energy to the best advantage.
- Use only the correct amount of detergent required for the water hardness in your area. Miele recommends the use of powder detergents, as their characteristics allow them to perform better in this machine than liquid detergents.

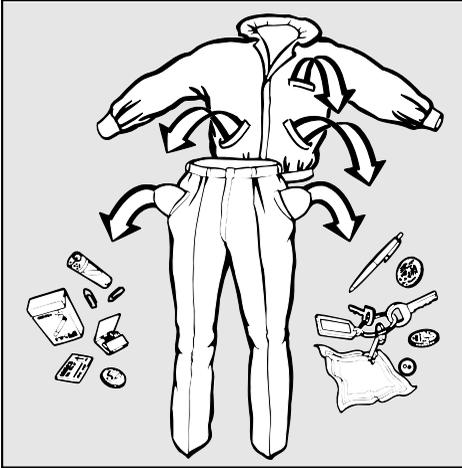
If the wash is not heavily stained, select a lower temperature than indicated on the wash care label.

Preparing the Laundry

The headings numbered (1, 2, 3, ...) show the operating sequence and can be used as a brief guide.

Before washing

1 Prepare the wash load



- Empty all pockets.

Foreign objects left in pockets (e.g. nails, coins, paper clips, etc.) can cause damage to clothes and the machine.

- Sort the laundry

Most garments have a Fabric care label in the collar or side seam. Sort the laundry by care label and color. Only wash items that are labeled machine washable by the manufacturer.

Dark fabrics often contain “excess dye” and should be washed separately several times before being included in a mixed load.

Delicate fabrics should be washed separately using a delicates program.

Only wash wool or wool mixtures if they are labeled machine washable on the textile care label.

- Pre-treat the laundry

Badly soiled areas (e.g. collars and cuffs) and water soluble stains can be pre-treated with bar soap, stain remover, or detergent mixed into a solution or paste.

Do not use detergents containing solvents in the machine.

2 Press the “Door” button to open the door

3 Load the machine

Unfold the laundry and place it in the drum. For best results we recommend washing mixed loads consisting of both large and small items. This improves the washing effectiveness and helps distribute the load evenly to keep the machine stable and reduce noise during spinning.

Recommended load sizes are noted below:

COTTONS 11.0 lbs (5.0 kg)

PERMANENT PRESS . . 4.5 lbs (2.5 kg)

FINE/DELICATES 2.0 lbs (1.0 kg)

WOOLENS 2.0 lbs (1.0 kg)

FINE RINSE 11.0 lbs (5.0 kg)

With curtains: Remove lead weights and strips.

Woolens and knitted garments should be turned inside out if recommended by the manufacturer.

3 Close the machine door

Make sure there are no clothes caught between the drum door and seal.

4 Add detergent

See section “Adding detergent” for details.

To start a program

1 Turn the program selector to Finish / Start

2 Press the “ON/OFF” button

3 Press any additional option buttons desired

(See the “Delay start” section if this feature is desired.)

4 Select spin cycle speed

5 Turn the program selector to the desired program

The program selector can be turned to the left or the right.

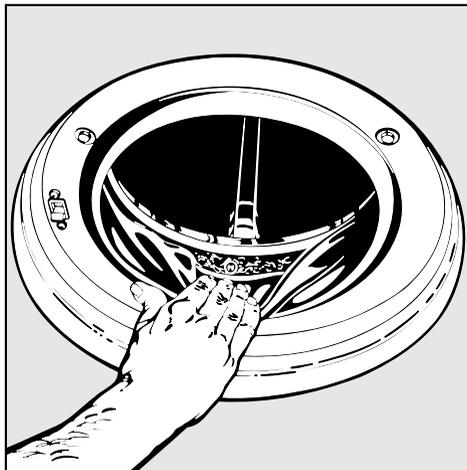
End of Program

After washing

- 1 Turn the program selector switch to “Finish/Start”
- 2 Press the “ON/OFF” button.
- 3 Press the “Door” button.

Do not attempt to remove laundry from the machine if the drum is turning. You may seriously injure yourself. If the drum turns with the door open, contact the Miele Service Department.

- 4 Remove the wash.



- 5 Check the folds in the door seal for any small articles such as buttons or nails which may be lodged there.

Make sure the drum is empty by manually turning it completely around or, during the next use, items may be damaged (e.g. shrink) or cause other laundry to discolor.

- 6 Close the drum door.

Changing the program sequence

To cancel a program:

- Turn the program selector to “Finish/Start”.

To interrupt a program:

- Press the “ON/OFF” button.

To continue the program, turn the machine back on.

To change an incorrectly selected program:

- Turn the program selector switch to “Finish/Start”.

When only the “On” lamp is lit, a new program can be selected.

To change a program which has been “locked” using the Child Safety feature, see the “Programmable functions” section.

To omit a program stage:

A program stage must first be reached to be omitted:

- Turn the program selector to “Finish/Start”

As soon as the program sequence indicator lamp for the stage you wish starts flashing:

- Turn the program selector switch to the desired program.

Adding detergent

Powder detergent should be added to compartment **II** (main wash) and compartment **I** (pre wash, if necessary) at the beginning of each wash cycle. Due to the Miele "Eco-System", 1/3 to 1/2 the manufacturer's recommended amount of detergent is generally sufficient for excellent wash results.

Do not use chlorine bleach!

Water is taken in through compartment **II** during the main wash. If your water is extremely hard (above 400 ppm calcium carbonate) and the capacity of compartment **II** is insufficient for the amount of detergent needed, a Service Technician can reprogram the machine so that water and detergent can also be taken in through compartment **I**.

For small loads:

- Gradually reduce the amount of detergent used with each small load.
- Check the wash results and the condition of the laundry.
- If the laundry is not clean or if it is gray or hard to the touch, add slightly more detergent the next time you use the machine.

It is important to add the correct amount of detergent, because...

...too little detergent can result in:

- gray laundry
- grease/stains not being removed
- lime deposits on the heater elements and drum (in hard water areas).

...too much detergent can result in:

- excessive foam
- low level of agitation
- poor cleaning and rinsing results.

Water Softeners

If you wish to use a water softener to cut down on detergent usage in hard water areas:

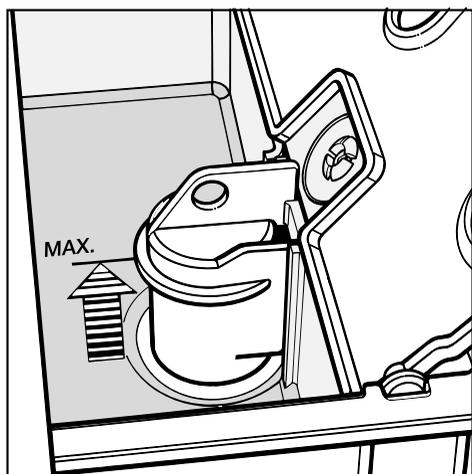
- add the amount of detergent necessary for a soft water area.
- Add the specified amount of water softener per the manufacturers recommendation.

Always add the detergent first, in compartments **I** and **II** followed by the softener, to ensure that both are properly dispensed.

Adding fabric softener or starch

If fabric softener is desired, it will work more effectively and be gentler on the clothes if it is dispensed in the final rinse cycle of the wash, rather than in the tumble dryer through the use of softener sheets. To automatically dispense fabric softener:

- Open the lid of compartment .



- Pour an amount of liquid fabric softener into compartment  according to the manufacturer's instructions. Do not exceed the maximum fill level marked inside the compartment, as any excess will prematurely activate the siphon and be wasted.
- Close the compartment lid and push in the dispenser drawer.

The softener will automatically be dispensed during the last rinse cycle.

At the end of the program a small amount of water will normally remain in compartment . A high water level in this compartment, however, may indicate that the siphon is clogged or the

dispenser drawer was opened during the last rinse cycle, thereby interrupting the distribution of fabric softener. In this case, the siphon tube should be cleaned as described on Page 21.

Starch

Starching can be done as a separate cycle (see below) or can be included in any wash program during the final rinse.

Never mix fabric softener and starch together in compartment . This can cause the overflow system to malfunction.

If starch is used for shirts, blouses, table cloths, napkins, etc., pour the liquid starch into compartment  (use the same procedure as for fabric softener).

Using the “Starch” program to dispense liquid starch.

- Prepare the starch solution in accordance with the manufacturer's instructions and pour it into compartment .
- Use the normal water level (Water Plus button “out”) when starching so that the solution will have the maximum effect.

“Without final spin” can be selected to reduce fabric creasing.

Program selection

Program	Temperature range	Fabric
COTTONS For cotton fabrics without special finishes.	85 - 105°F 105 - 120°F 140 - 170°F	For dark colored items. For light colored items. Exclusively white items.
PERMANENT PRESS For cotton blends, polyester blends and synthetics such as acrylic, nylon and ramie.	85° 105 - 120°F 140°F	For dark fabrics which are a blend or 100% synthetic fabrics. For light colored cotton or synthetic items. For white polyester/cotton items.
FINE/DELICATES For synthetics, machine washable silks, lace or crocheted (non-woolen) items, curtains and knits.	cold - 85°F 105 - 120°F 140°F	For dark colored silks and all synthetic items (lingerie). For light colored silks and lace tablecloths. For white cotton lace and crocheted items.
WOOLENS For all machine washable woolens and wool blends. Also suitable for silks.	cold - 105°F	For all colors of wool and silk. (There is no Pre-wash option in this program).
Starch	cold	For tablecloths, napkins, aprons and shirts.
Spin		For spinning wet items not washed in the machine (hand washed). Such items must be suitable for machine spinning.
Drain		For use when the laundry is to be removed wet for drip drying. Normally used in conjunction with "Without final spin".
Fine rinse		For hand washed items that can be gently rinsed, and if desired, spun.

max. load	Additional options available	Normal wash cycle	Rapid wash cycle
11 lbs	Pre-wash Water plus Gentle wash	Available	Available
4.5 lbs	Pre-wash Water plus Gentle wash	Available	Available
2 lbs	Pre-wash Gentle wash	Available	Available
2 lbs		Available	Available
11 lbs		Available	Available
		Available	Available
		Available	Available
11 lbs		Available	Available

Program sequence

	COTTONS	PERMANENT PRESS	FINE/ DELICATES
Pre-wash	Selectable ⁽¹⁾	Selectable ⁽¹⁾	Selectable ⁽¹⁾
Main wash	● ⁽¹⁾	● ⁽¹⁾	●
Interim rinse	●	●	–
Graduated rinse	–	●	●
No. of rinses	4	3	3
Rinse and interim spin	●	–	–
Graduated spin rpm	max. 900 ⁽³⁾	–	–
Final spin rpm	max. 1600	max. 900 ⁽³⁾	max. 600 ⁽³⁾
Rinse & hold	●	●	●
Anti-crease spin	● ⁽²⁾	● ⁽²⁾	● ⁽²⁾
Wash rhythm	normal	normal	normal
Water level – wash – rinse	low ⁽¹⁾ low ⁽¹⁾	low ⁽¹⁾ high	high high
Approx. running time (Normal cycle)	1h 49 min	1 h 12 min	1h 00 min

Explanations:

- Cycle included
- Cycle not included

Interim rinse:

Additional water flows into the drum, and the suds is cooled slightly.

Graduated rinse:

The suds is cooled at the end of the wash cycle by incoming water, and drained in intervals. This minimizes the danger of creasing by avoiding sudden temperature changes.

(1) Increased water level:

The water level can be increased from the normal level to a higher level by pressing the “Water plus” button.

(2) The “Gentle wash” option can also be selected in this program.

(3) Maximum spin speed is automatically set by the machine.

WOOLENS	Starch	Spin	Fine rinse
–	●	–	–
●	–	–	–
–	–	–	–
–	–	–	–
3	–	–	2
–	–	–	–
–	–	–	–
max. 900 ⁽³⁾	max. 1600	max. 1600	max. 900(3)
●	●	–	●
–	●	–	–
Woolens	normal	–	–
low	low	–	–
high	–	–	high
47 min	–	–	–

Graduated spin:

The speed is gradually increased, until the final spin speed is reached.

Final spin:

The maximum spin speed is held constant for a fixed period of time.

In the program PERMANENT PRESS, WOOLENS and Fine rinse the spin speed is automatically limited to 900 rpm and in the FINE/DELICATES program to 600 rpm, even if the selector has been set to a higher speed. A lower speed can also be selected.

Woolens:

Wool is susceptible to damage when it is wet. Agitation times during the program are shorter, and the drum rotates slower.

“Without final spin”:

At the end of the final rinse the wash remains suspended in water if the SPIN SPEED SETTING is set to “Without final spin”. This helps reduce creasing if the laundry will not be removed immediately at the end of the cycle.

Textile care symbols

Some clothing manufactures have started placing textile care symbols on their products. The following is an explanation of some of these symbols.

Washing (°C)

COTTONS

PERMANENT PRESS

FINE/DELICATES

WOOLLENS

The significance of the bar beneath the wash tub is:

no bar normal (maximum) agitation
 used in the Cottons program

bar reduced (medium) agitation,
 used in the Permanent Press,
 Gentle wash, or Delicates
 program.

broken bar minimal agitation
 used in the Woolens program



Hand wash



do not wash



dry clean only



do not dry clean



suitable for chlorine
bleaching



not suitable for chlorine
bleaching

Tumble dry



at normal temperature



at low temperature



do not tumble dry

Ironing



hot iron



medium hot iron



cool iron

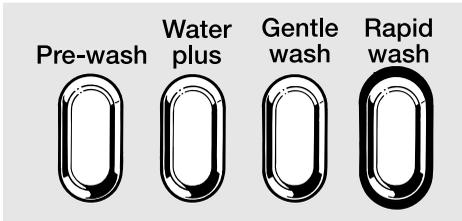


do not iron

Temperature Conversion Chart

°C	30	40	50	60	65	70	75
°F	85	105	120	140	150	160	170

By selecting one or more pushbutton functions, basic programs can be tailored to the type of laundry being washed.



When the “Door” button is pressed, all the other buttons spring out, and the additional options are cancelled.

“Pre-wash”

- Use for heavily soiled or stained laundry items.
- Available in the “COTTONS”, “PERMANENT PRESS” and “DELICATES” programs.

Add the required amount of detergent to compartment **L**.

“Water plus”

This increases the normal water level to a slightly higher level:

- For particularly delicate fabrics in addition to the “Gentle wash” option,
- In hard water areas, if more water is required for dispensing the detergent,
- In softwater areas to enhance washing and rinsing results.
- For people who are skin sensitive to detergents.

The “Water plus” option is available in the following programs:

- The wash and rinse cycles for COTTONS.
- The wash cycle for PERMANENT PRESS.

“Gentle wash”

- For gentle washing of slightly soiled laundry items, or delicate fabrics which tend to pill.
- Drum movement is reduced by half. Available in the “COTTONS”, “PERMANENT PRESS” and “FINE DELICATES” programs.

“Rapid wash”

- Offers a quick wash cycle (approx. 37 minutes)
- Can be used with or without a pre-wash.

To operate:

- ➊ Push in the ON/OFF button to turn on the machine.
- ➋ Push in the Pre-wash button if desired.
- ➌ Push in the Rapid wash button. Notice the thick grey ring surrounding the button. This grey ring corresponds to the grey ring surrounding the COTTONS, PERMANENT PRESS, DELICATES and WOOLENS programs on the Selector switch. Choose the desired program and the machine will start.

Delay start/Time remaining indicator

Time display “H:min”

The Time display has a dual function.

- The Delayed start is activated by pressing the button, or;
- It shows the time remaining in the wash program.

Delay Start

If the “Delay start” lamp is blinking, the start of the program can be delayed up to 9 hours and 30 minutes.

Entering the start delay:

- Press the button to the left of the “Delay start” lamp as many times as necessary until the desired delay time appears. Each time the button is pressed, the time of delay will increase by 30 minutes.

Select the program

- The display will begin counting the delayed time backwards in one minute increments. The “Delay start” lamp will remain lit.

Program start

- When the delay time reaches zero, the “Time remaining” lamp illuminates, and the “Delay start” lamp goes out. The duration of the selected program will be shown on the display.

Deleting the start delay

- When the display reaches “9 h 30 min”, press the button to the left of the “Delay start” lamp and the start delay will be deleted.

Remaining time

The remaining time for program completion is shown in hours and minutes as soon as:

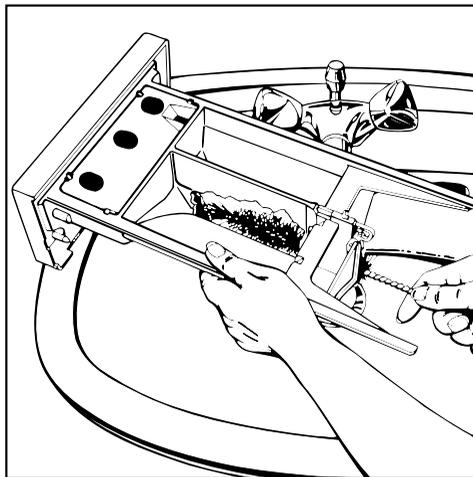
- A program is selected.
- The time delay reaches zero.

The display counts backwards in 1 minute increments.

Cleaning the washing machine

- Clean the casing with a mild non-abrasive detergent or soap and water, and wipe dry with a soft cloth.
- Clean the control panel with a damp cloth.
- The drum can be cleaned using a stainless steel cleaner according to the manufacturer's instructions.
- A stainless steel cleaner specially formulated for use in washing machines is available from the Miele Parts Department.

Do not use abrasive cleaners or solvents.

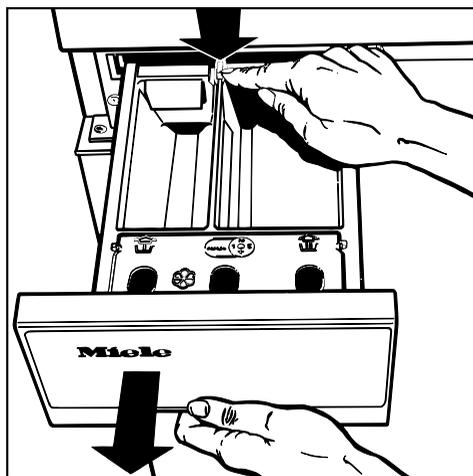


- Clean the dispenser compartments and the fabric softener duct.

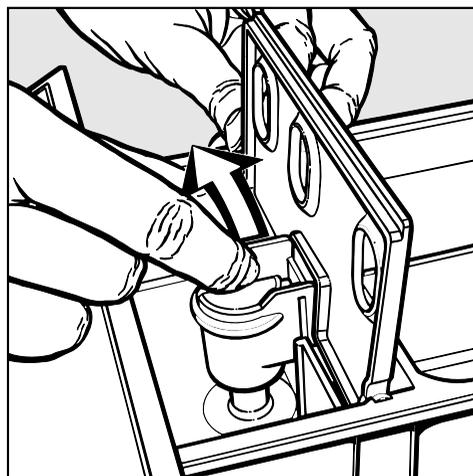
Cleaning the detergent drawer.

Should the detergent drawer become clogged or dirty, it can be cleaned as follows:

- Pull out the drawer until it stops.



- Press down the red release lever and, at the same time, pull the drawer out of the machine.

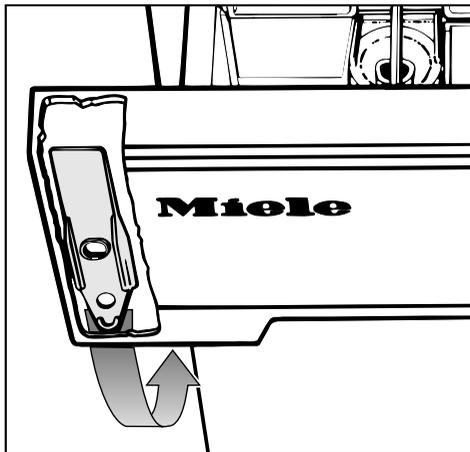


- Remove the siphon tube from compartment  and rinse in warm water.

Cleaning and care

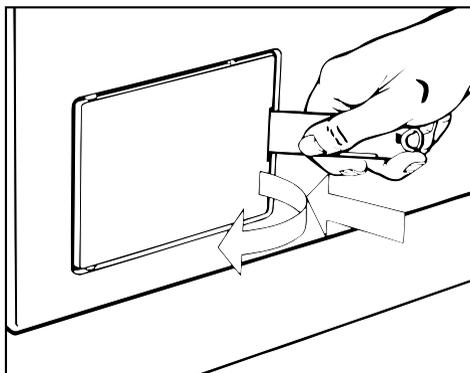
Cleaning the drain pump and lint trap.

Occasionally small objects, (buttons, coins, etc.), may find their way into the lint trap. It is a good idea to occasionally check the lint trap to ensure that it is free of foreign objects.



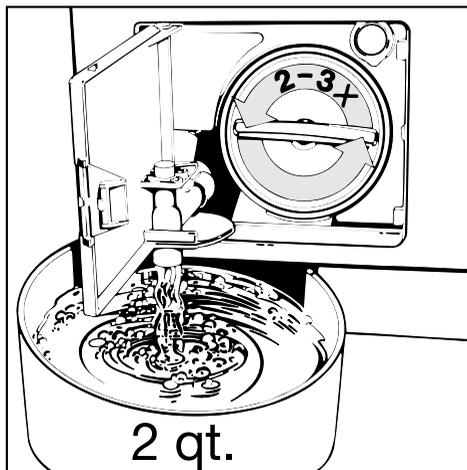
To clean the lint trap, remove the tool from behind the detergent dispenser drawer.

- Open the machine door.



- Open the lint trap door.

- Place a 2 quart capacity container underneath the drain tube.

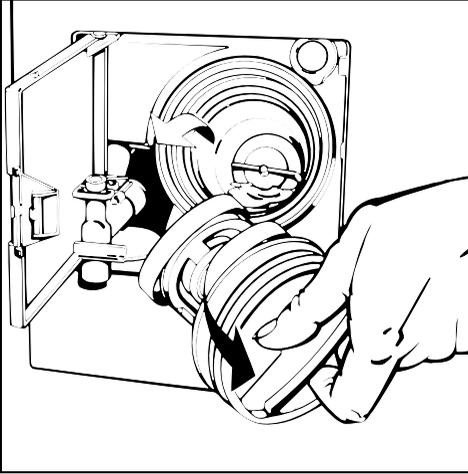


- Turn the lint trap lid counterclockwise 2 - 3 times. Do **not** remove it. Approx. 2 quarts of water will drain out of the hose.

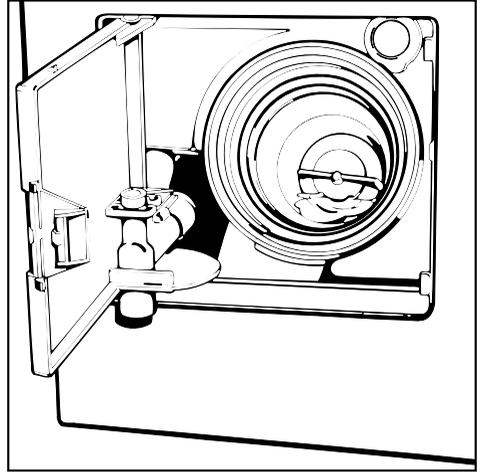
If the main drain hose is clogged, more water will be retained in the machine (**max. 6.5 gal/25l**). In this case, tighten the lint trap lid and empty the dish before repeating the procedure as often as necessary.

Caution: If laundry has been washed at a high temperature, the water draining out of the machine will still be hot! Stop and allow it to cool before proceeding.

- Once the flow of water stops, remove the lint trap and clean it.
- Remove any foreign objects or lint.



- Turn the drain pump impeller (in the back of the chamber) by hand to check that it rotates freely. Any foreign objects should be removed.



- Clean inside of the lint trap housing.

Remove any detergent deposits or foreign objects from the thread of the filter housing and filter unit before replacing the lint trap.

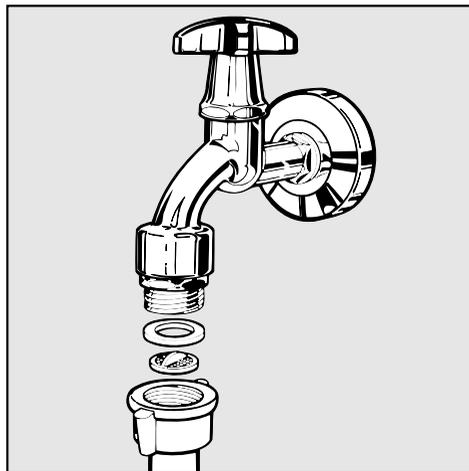
Cleaning and care

Cleaning the water inlet filters.

The washing machine has two water inlet filters to protect each inlet valve.

To clean the filter in the inlet hose:

- Turn off the valve.
- Carefully unscrew the inlet hose from the valve by turning the connector counterclockwise using a wrench if necessary.
- Remove the rubber seal from the connector.



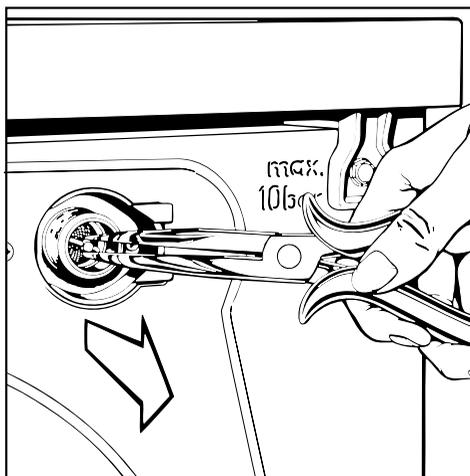
- Using needle nose pliers, grasp the plastic filter and pull it out of the hose connector. Clean the filter under running water and carefully remove any large particles.
- Replace the filter and seal and reconnect the hose. Slowly turn on the valve and check for leaks.

Inspect the inlet hose regularly. The hose should be replaced if there are small cracks in the surface, or if it has been otherwise damaged or cut.

If a replacement is necessary, use only a genuine Miele inlet hose as other hoses may burst under pressure.

To clean the filter in the inlet valve:

- Using a wrench, carefully loosen and remove the plastic hose connector on the inlet valve.



- Using needle nose pliers, withdraw the plastic filter by pulling on the bar (see illustration). Rinse under water to clean, and then replace.

The two filters - one at the pressure hose/valve connection and one at the inlet connection to the solenoid valve - must not be removed.

Any work done on the electrical components of this appliance should only be performed by a qualified and trained person in accordance with all local and national codes and regulations. Unauthorized repairs may result in personal injury and damage to the machine.

What to do if, ...	Cause ...	Remedy ...
<p>. . . The program does not start?</p>	<p>There is no power. The "ON" indicator lamp has not lit up.</p> <p>There is power and the "ON" indicator lamp is on, but the program selector has not been turned to the "Finish / Start" position.</p>	<p>Check that..:</p> <ul style="list-style-type: none"> – the door is properly closed. – the machine is plugged in. – the fuse or circuit breaker has not tripped. – Turn the program selector to the "Finish / Start" position. – Select a program.
<p>. . . The "Check ㄷ / ㄸ" indicator lamps are flashing?</p>	<p>The "Check ㄷ" indicator lamp is flashing, and the program has started. The water inlet is blocked.</p> <p>The "Check ㄸ" indicator lamp is flashing. The drain is blocked.</p>	<ul style="list-style-type: none"> – The inlet valve is not opened far enough. – The inlet hose is kinked. – The water pressure is too low. Call the Service Dept. – Clean the drain pump and lint trap. – Has the drain hose been installed too high? (max drain height = 4 feet)

Problem solving guide

What to do if, . . .	Cause . . .	Remedy . . .
. . . the “Pre-wash”, “Main wash” or “Rinse 1-2” indicator lamp is flashing?	There is an internal problem.	Restart the program. If the indicator lamp starts flashing again, call the Service Dept.
. . . The “Rinse & hold” indicator lamp is flashing?	The spin speed selector has been set to “Without final spin”.	Select a spin speed setting.
. . . The “Final spin” indicator lamp is flashing?	The final spin has not taken place. The machine detected an imbalance.	<ul style="list-style-type: none"> — Redistribute the laundry load. — Select a spin speed. — Turn the program selector to “Spin”.
. . . The “ON” indicator lamp is flashing?	The child-safety feature is activated, and the program has been changed.	Go back to the program originally selected.
. . . The wash is too wet after the final spin?	The spin speed selected was too low.	Select a higher spin speed next time.
	The load was not evenly distributed in the drum, and the laundry was spun at a reduced speed to protect the machine.	Mix large and small items in a load to avoid imbalance.
	The drain pump or lint trap is clogged.	Clean the drain pump or lint trap.
. . . The machine shakes during the spin cycle?	The four feet are not resting evenly on the floor.	Level the machine (see Installation Section).
	The shipping struts have not been removed.	Remove the shipping struts.

Problem solving guide

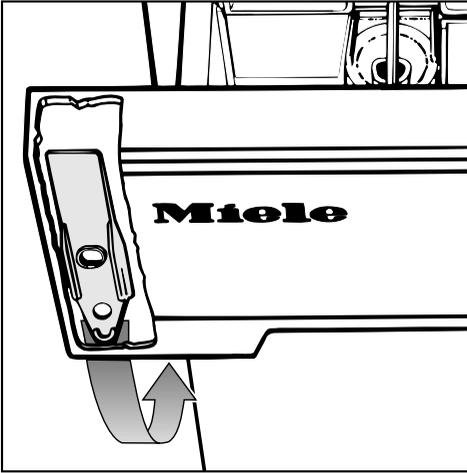
What to do if, . . .	Cause . . .	Remedy . . .
. . . In spite of adequate water supply, the water flows slowly into the machine?	A filter in the water inlet system is blocked.	Clean the water inlet filters.
. . . Large residues of detergent remain in the dispenser drawer?	The water pressure is too low.	<ul style="list-style-type: none"> – Clean the filters in the water inlet system. – It may help to select “Water plus”.
	Detergent used with a water softener tends to become sticky.	Pour detergent into the dispenser before adding any water softener.
. . . Fabric softener is not completely dispensed or water remains in the  compartment?	The dispenser drawer was not pushed in when the fabric softener was being dispensed.	Make sure the drawer is all the way in.
	The siphon tube is either incorrectly positioned or clogged.	Clean the siphon tube.
. . . There is an excessive build-up of foam?	Use only a low-sudsing detergent at the appropriate temperature.	<ul style="list-style-type: none"> – Follow recommendations on the package. – Take the water hardness into account. – Use less detergent for lightly soiled or small loads.
. . . Lime deposits appear on the drum surface?	Not enough detergent has been used.	<ul style="list-style-type: none"> – Use a decalcifier suitable for use in washing machines. A product called “Quick” is available from the Miele Parts Department. – Use the correct amount of detergent for the water hardness in your area.

Problem solving guide

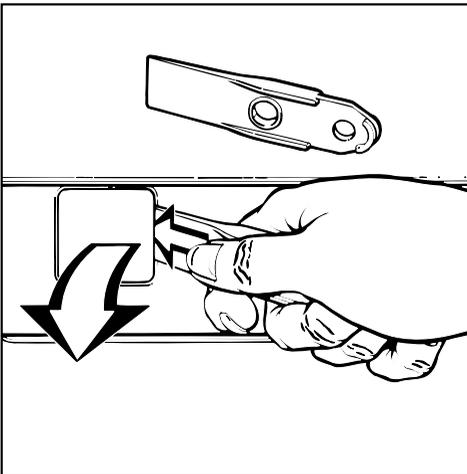
What to do if, . . .	Cause . . .	Remedy . . .
. . . Grey greasy particles cling to washed laundry?	Insufficient detergent was used to break down the particles of grease in heavily soiled laundry.	<ul style="list-style-type: none">– Add more detergent.– Before washing the next load run a COTTONS 120°F program with detergent but without a load to clean the machine.
. . . Liquid detergent does not give the required result?	Liquid detergents do not contain bleaching agents. They do not remove stains as well as powdered detergents containing non-chlorinated bleaches.	<ul style="list-style-type: none">– Use a general purpose powder detergent containing a bleaching agent.– Pre-treat stains with a stain remover.
. . . After washing pilling appears on the fabric?	This is a normal occurrence of everyday wear with some fabrics.	These fabrics must be handled with care. Wash them using the DELICATES program and/or select "Gentle wash" in the future.

Opening the drum door in the event of a power failure

- Switch off the washing machine.

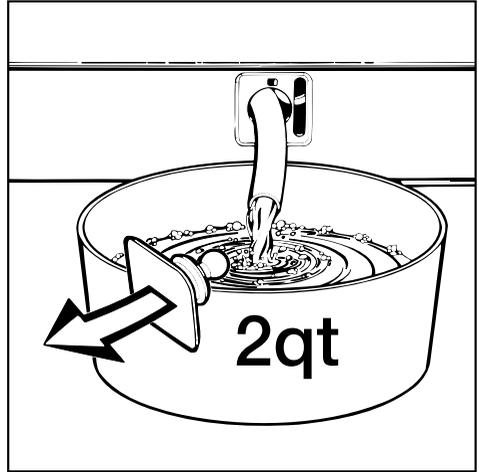


- Remove the flap opener from behind the detergent drawer fascia panel.



- Open the flap (in the machine plinth).

- Place a dish or bowl under the spout.
- Point the drain hose into the container.



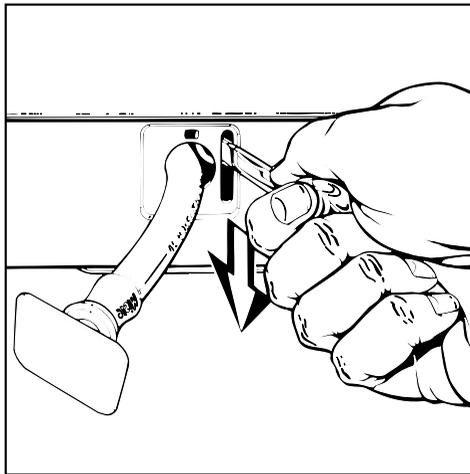
- Remove the stopper.

Caution: if laundry has been washed at a high temperature water draining out of the machine will still be hot!

The amount of water discharged depends on the drainage height. A delivery head (e.g. 1 m) will mean there is more water to drain. The container will need to be emptied several times.

- When no more water drains out place the stopper back in the hose.

Problem solving guide



- Pull the emergency door latch downwards using a spoon handle (see illustration). The machine door will then open.

Please note that: on machines with left hand hingeing the emergency door latch is located behind a second access flap in the centre of the plinth.

Always make sure the drum is stationary before reaching in to the machine to remove washing. Reaching into a moving drum is extremely dangerous.

To check water pressure

- Place a bucket under the stopcock.
- Turn on the stopcock.

If 5 litres of water flow into the bucket in 15 seconds the water pressure is correct.

Electric socket

If there is any doubt about the electricity supply socket, consult a qualified electrician.

If problems occur that cannot be easily remedied, or if the appliance is under warranty, please contact:

- Your Miele Dealer or
- The Miele Service Department (see back cover).

When contacting the Service Department, please have the model and serial numbers of your appliance available, both of which can be found on the data-plate visible when the door front is opened above the porthole glass.



INSTALLATION INSTRUCTIONS Installation

Installation surface

Experience has shown that a concrete floor is the most suitable surface for a washing machine. Concrete floors are far less prone to vibration during the spin cycle than wooden floors.

Please note the following points:

- The machine must be level and securely positioned.
- To avoid vibrations during spinning, the machine should not be installed on soft floor coverings.
- If installation must be on a wooden joist floor, we recommend the use of a plywood base at least 1 1/4" thick and 23 5/8" X 23 5/8" wide (30mm X 600mm X 600mm). Ideally the base should be large enough to span several joists and should be anchored to the joists and not just the floorboards.
- As a general rule, we recommend the installation of the machine (or washer/dryer stack) in the corner of a room where the stability of the floor is at its greatest.
- If the machine is installed on a raised platform, it should be secured using retaining clips (available from the Miele Parts Dept.). If installed on a masonry or concrete base, the base should be provided with a rim 1/2" to 3/4" (12-20 mm) high.

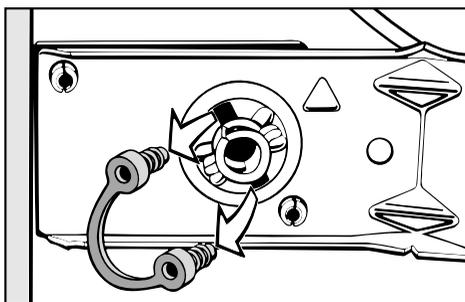
Installation

Lift the machine from its shipping pallet and move it to the installation site.

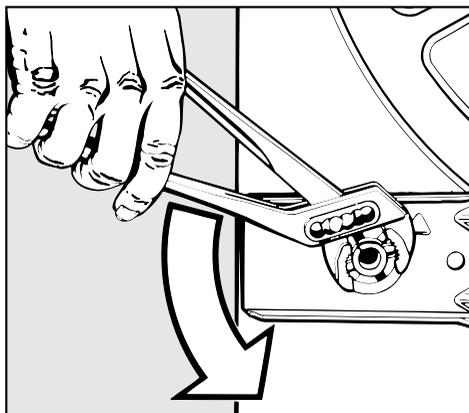
Please note:

- Do not lift the machine by the drum door.
- Ensure that the machine feet and the floor are dry to prevent slippage during the spin cycle.

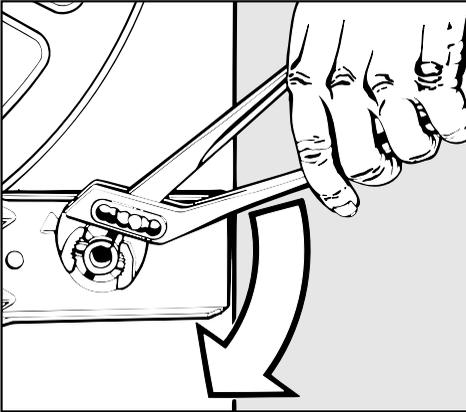
Removing the shipping struts



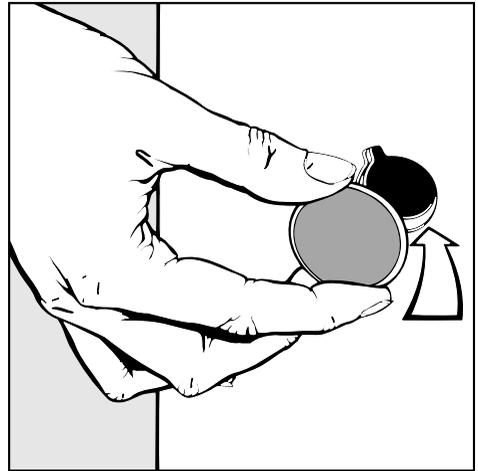
- Using adjustable pliers, pull out the retaining clips on the right and left of the support plate.



- Turn the left-side shipping strut 90° counterclockwise.

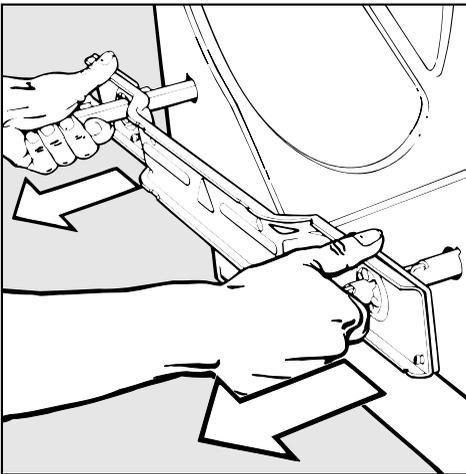


- Turn the right-side shipping strut 90° clockwise.



- Plug the two holes with the plastic caps supplied.

Movement of the machine without the shipping struts in place should be kept to a minimum.



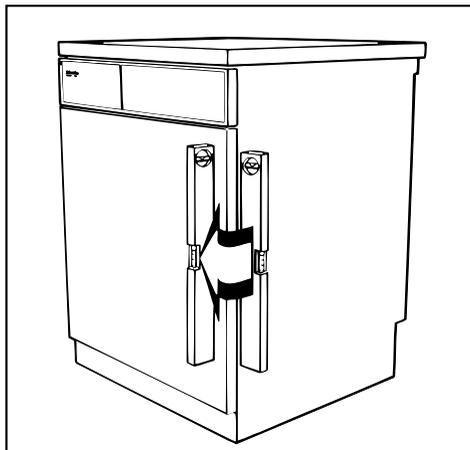
- Withdraw the two struts together with the support plate.

The shipping struts should be stored in a safe place for future use. They must be reinstalled before the machine is moved. Reinstallation can be performed by reversing the procedure.

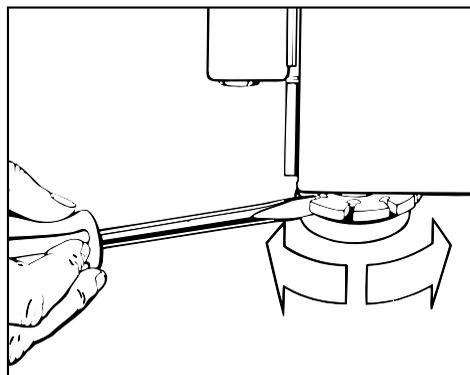
Installation

Levelling the machine

The machine must be perfectly level to ensure safe and proper operation.



If necessary adjust the front and back legs as follows:

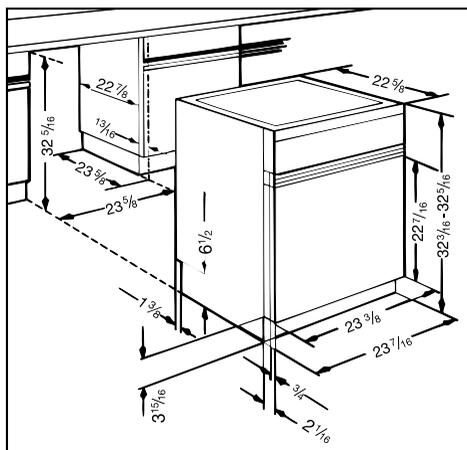


- Unscrew the feet until the machine stands level.
- Hold the foot tight using a wrench or pliers.

- Tighten the counternut using a screwdriver, as shown.

Building in

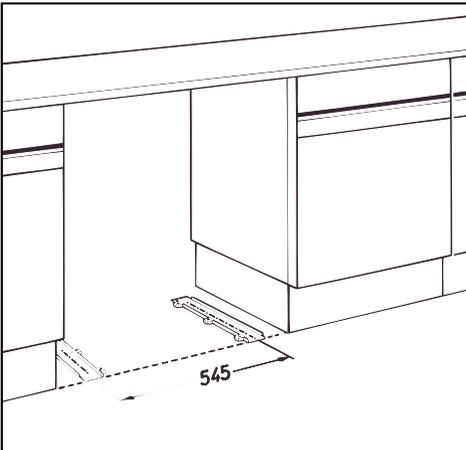
This washing machine is specially designed for installation under a countertop, and comes with a protective cover which replaces the machine lid.



For safety reasons the cover of the machine should not be removed.

Please note the following:

- The machine should never be operated without the front panel firmly in place.
- The electrical outlet and water faucets should be close to the machine and easily accessible.
- The slides provided with the machine will prevent damage to the floor while moving the washer into position.

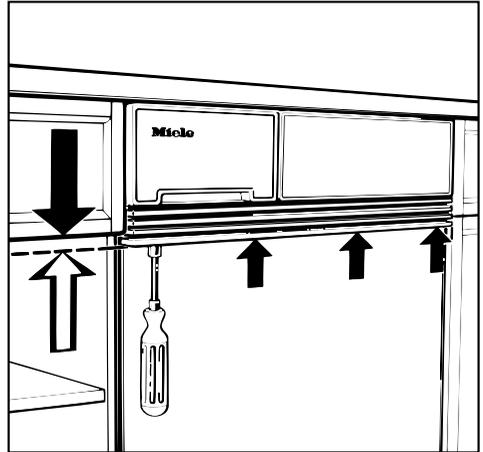


- For installation under countertops that are 35 7/16" (900 mm) or more above the floor, one or more 2" spacer frames, Part # 1542631, may be required.
- Spacer frames (with installation instructions) can be purchased from your Miele dealer or the Miele Parts Department.

Matching the control panel to the adjacent washer fronts

The height of the control panel can be adjusted in one of two ways:

- by tightening or loosening the nuts to raise or lower the adapter strips as needed, or
- by adding or removing adapter strips.



The attached adapter strips can be compressed up to 3/8" (10 mm) by tightening the 4 nuts located under the bottom adapter strip. If the control panel needs to be shortened by more than 3/8" (10 mm), one or more adapter strips can be removed.

The control panel height can be extended an additional 1" (25 mm) by adding additional adapter strips and extension bolts. These parts are available from your Miele dealer or the Miele Parts Department.

Important

After the final adjustment has been made, cut the plastic bolt flush with the bottom of the lowest adapter.

Installation

Installing the front panel

A front panel must be installed on the washer before it can be safely operated. It can be custom made to match the surrounding cabinetry or furniture.

Front Panel Dimensions:

Height: 22 7/16" (+ 3/8" / -1")
570 mm (+ 10 / - 25 mm)

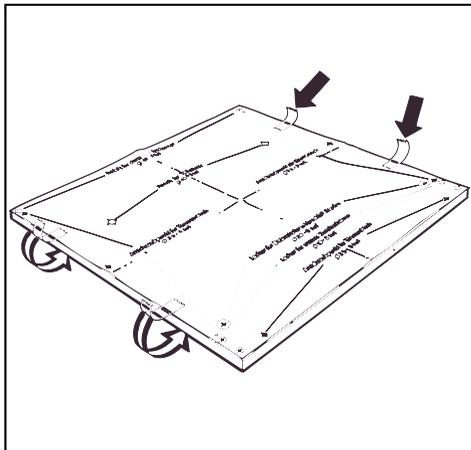
Width: 23 3/16" – 23 1/2"
588 – 596 mm

Thickness: 3/4" (19 mm) maximum

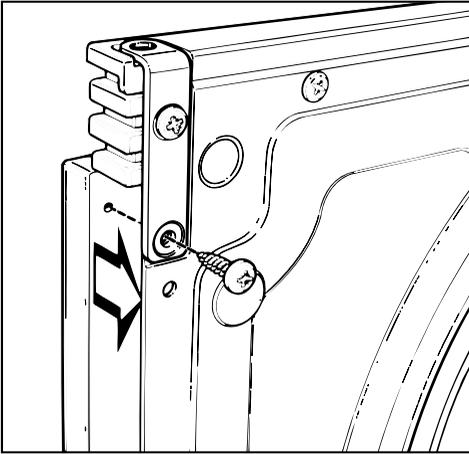
Using the provided template, layout and drill the pilot holes for the mounting brackets as follows:

- Lay the panel with the finished side face down and the bottom edge toward you.
- Align the bottom of the template with the lower edge of the door.
- Center the template on the panel by using the four parallel lines located at each corner. The panel is centered when the identical line on each side aligns with the panel edge.

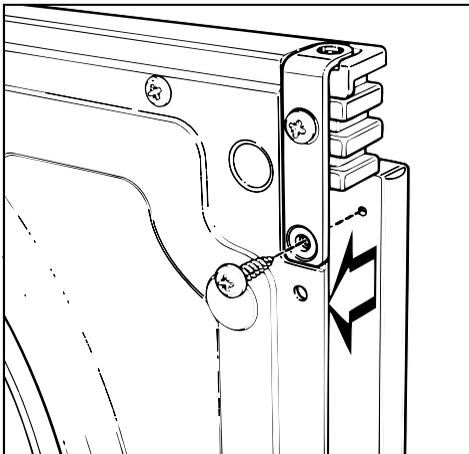
For example, if your panel is 23 3/8" wide, the second line from the center of the template will align with both the right and left edges.



- Tape the centered template to the panel.
- Using a 3/8" (10 mm) drill bit, drill 1/2" (12 mm) deep pilot holes at **template locations 1 and 2 only**.
- Remove the template from the panel.



■ Right-hand hinge



■ Left-hand hinge

- Open the door and remove the lower screw from the upper hinge.
- Using the screws provided, loosely attach the front panel to the machine door through the now empty lower hinge hole and the corresponding hole on the unhinged side of the door (see illustration).
- Align the front panel and tighten the two screws.
- The remaining pilot holes can now be drilled into the front panel through the holes in the machine door.
- Use the remaining screws to securely mount the front panel to the machine door.

Installation

Sizing the toekick

The appliance toekick visible below the door can be partially concealed by installing a custom made toekick that matches the adjacent cabinetry.

Please note: The depth of recess and height of the appliance toekick cannot be altered.

The length of the matching toekick should be 23 5/8" (600 mm). Maximum toekicks heights are listed below.

Height from the floor to the bottom of the countertop	Number of spacer frames required	Maximum toekick height
32 1/4" (820 mm)	none	3 15/16" (100 mm)
34 1/4" (870 mm)	1	5 15/16" (150 mm)
36 1/4" (920 mm)	2	7 7/8" (200 mm)

The matching toekick must be cut out so that access to the emergency drain and door release panel is not impeded.

Installing the toekick

- Align and attach the two Velcro strips to each other. Cut the strip into three equal pieces.
- Remove the protective backing from one side of the three Velcro strips. Press them into place on the washer toekick.
- Peel the protective backing off of the second, exposed side of the Velcro strip.
- Align the matching toekick with the machine toekick and press it firmly into place.

Washer-Dryer stack

This Miele washing machine can be installed as a washer/dryer stack together with a Miele tumble dryer. For this purpose, a stacking kit, available from the Miele Parts Dept., is needed.

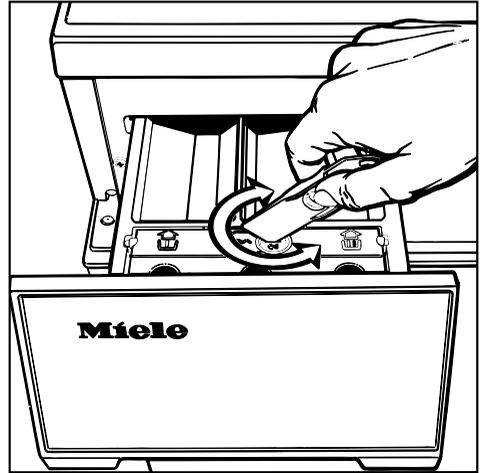
A washer and dryer should never be stacked without using the proper stacking kit.

Any residual water left in the machine from the factory testing process can be flushed out as follows:

- Do not put any laundry in the machine.
- Add a small amount of detergent to compartment **II**.
- Turn on the machine.
- Press the “Rapid wash” button.
- Turn the program selector to the “COTTONS 140°F” program.
- Any residual water will be flushed out during water the program.

Water hardness reminder

The amount of detergent needed to wash clothes depends on various factors, including the water hardness in your area. You can set the water hardness dial in the detergent dispenser as a reminder.



- Turn the dial to the desired setting. Use the tool supplied with the machine. It is located behind the detergent drawer, on the left hand side (see Cleaning and Care) water.
1 = soft, 4 = very hard

Plumbing

Connect the cold water supply hose (hose marked blue) to the cold water valve and the hot water supply hose (hose marked red) to the hot water valve.

Turn on the valves and check for leaks. The water pressure must be within 15-145 psi (1-10 bar). If the water pressure is greater than 145 psi (10 bar), a pressure reducer must be installed. If the water pressure is below 15 psi (1 bar), insufficient water may be available for a complete fill.

The water supply hoses are equipped with filters; please do not remove these filters.

Special note

If connecting the machine to a cold water supply only, use the included Y-adapter to connect both hoses to the cold water valve, otherwise the correct functioning of the machine could be impaired. The machine should not be connected to hot water only.

Connection to the drain system

The 5 ft. (1.5 m) drain hose may be connected as follows:

1. **Directly into a sink:** hook the hose over the edge of the sink and secure it firmly (e.g. by tying the hose to the water faucet).
2. **Connection to a stand pipe:** place the drain hose into a 1 1/2" (38 mm) stand pipe and firmly secure it. (An anti-siphoning device is not required as there is one built into the machine.)
3. **To a floor drain:** if desired, the drain hose may be extended to 15 ft. (4.5 m) maximum.

The machine drains using a pump with a maximum delivery height of 4 ft. (1.2 m).

Make sure there are no kinks in the drain hose.

The machine is equipped with an air-gap/anti-siphoning system so that no minimum drain height is required.

GROUNDING INSTRUCTIONS

This appliance must be grounded.

In the event of a malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for the electric current. This appliance is equipped with a cord having an equipment grounding conductor and plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Warning

Improper connection of the equipment-grounding conductor can result in the risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the appliance is properly grounded.

Do not modify the plug provided with the appliance; if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

ELECTRICAL INSTRUCTIONS

This installation should be done by an experienced and qualified person, in most cases a licensed electrician, in accordance with local codes and regulations.

The washing machine is supplied with a 5 ft long, 4 wire cord, ending in a NEMA 14-20 P plug, ready for connection to a 120 V/240V (208 V) 60 Hz, AC power supply.

The proper outlet can be purchased from any electrical supply dealer or from the Miele Parts Dept. Ask for a NEMA 14-20 R receptacle.

“EASY INSTALLATION KIT”

If you don't have a designated, 4 wire, 120 V/240 V (208 V)-15 Amp line for this appliance, but you have a 3 wire, 240 V (208 V)-30 Amp line, you can use an optional “Easy Installation Kit”, which allows you to connect this appliance to that line.

For more information on the electrical connection and the “Easy Installation Kit” please contact

- your Miele dealer or
- the nearest Miele Service Department.

OPERATING INSTRUCTIONS Programmable functions

Warning - To reduce the risk of fire, electric shock, or injury to persons, read the IMPORTANT SAFETY INSTRUCTIONS before operating this appliance.

Additional functions can be programmed into the machine if desired:

A High water level (only in “Cottons” rinses)

Where rinse results are particularly important (e.g. Soap allergies).

B 5th Rinse in the “Cottons” program

For soft water areas (up to 135 ppm calcium carbonate).

In soft water areas, a higher water level can be selected in addition to a 5th rinse cycle, if required.

C No water intake through compartment

The 10 second water intake through compartment  during the main wash is omitted.

D Program Lock (Child safety feature)

When activated, the washing machine will ignore any changes made after the first three minutes of operation. For example if the program selector switch is moved to a different setting or an additional function is selected, the “On” lamp will flash, notifying you that the Child safety feature has been acti-

vated, but the program will continue uninterrupted. This prevents children from inadvertently changing or stopping a wash program by playing with the dials.

If the program selector switch is turned to its original position, the “On” lamp will stop flashing.

To change a program once the Program lock is activated:

- Turn the program selector switch to “Finish/Start”.

The sequence indicator lamps will start flashing in succession after about 30 seconds. A new program can be selected as soon as the “On” lamp is the only one remaining lit.

The functions described above can be programmed by the Customer using the steps shown on the following pages.

There are other programmable functions which are reserved for Miele Service Engineers. They are not normally activated, and require access to internal machine components.

E Additional rinse in Rapid wash

For soft water areas.

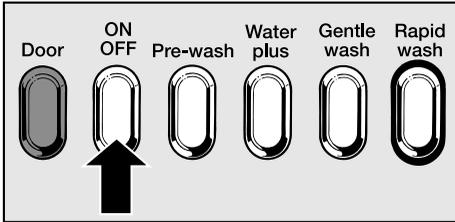
For an extra thorough rinse.

Programmable functions

Step 1:

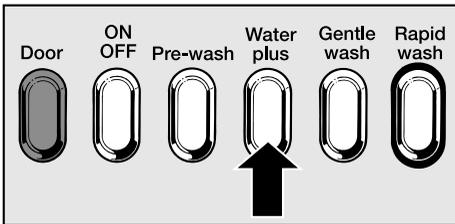
Turn off the machine, close the door, and release all pushbuttons. Set the program selector switch to "Finish/Start".

Step 2: Carry out steps 2 and 3 within 4 seconds.

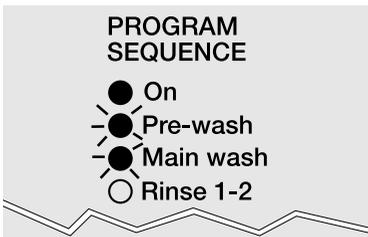


- Press the "ON/OFF" button

Step 3:



- Press the "Water plus" button 4 times (i.e. press in and out twice)

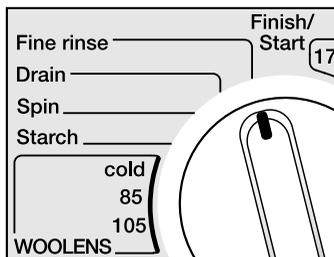


The "ON" lamp will illuminate and the "Pre-wash" and "Main wash" lamps will flash.

Programmable functions

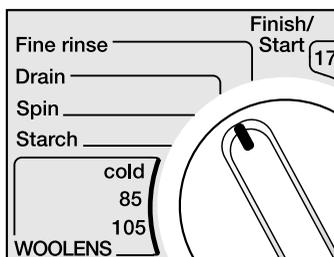
Step 4: Select the function desired:

Desired function:
A High water level



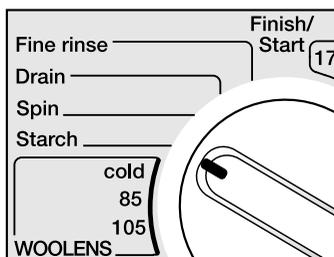
Set the Program selector to “Fine rinse”. Continue with **Step 5** to activate.

B 5th rinse cycle



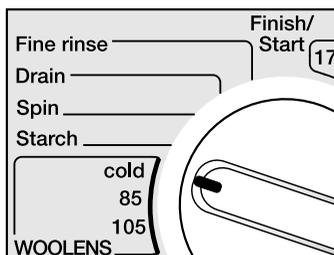
Set the Program selector to “Drain”. Continue with **Step 5** to activate.

C No water intake through compartment
⏏



Set the Program selector to “Starch”. Continue with **Step 5** to activate.

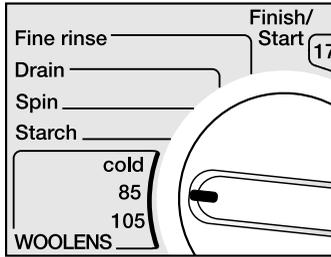
D Program Lock (Child safety feature)



Set the Program selector to “WOOLENS cold”. Continue with **Step 5** to activate.

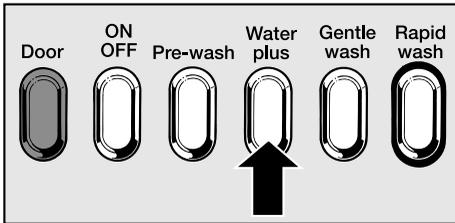
Programmable functions

➊ Additional rinse in Rapid wash

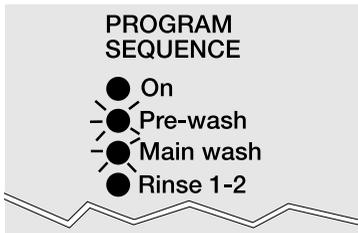


Set the Program selector to “WOOLENS 85°”. Continue with **Step 5** to activate.

Step 5: activate the function

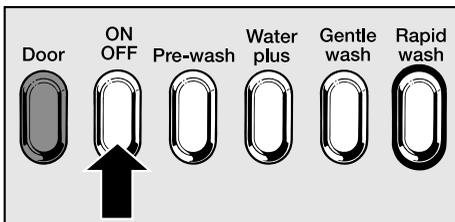


- Press the “Water plus” button twice (i.e. in and out once) to toggle the function “ON/OFF”.



The “Rinse 1-2” lamp will illuminate when the function is activated.

Step 6: to store in memory



- Press the “ON/OFF” button.

Programmable functions

To check if the function has been stored:

- Carry out **Steps 1 to 4**.

If the “Rinse 1-2” lamp lights up, the programmable function is activated.

- Press the “ON/OFF” button. This finishes the check of the programmable function.

If, after Step 2, the selector switch is accidentally turned to a setting other than one of the three shown:

- If the “Rinse 1-2” indicator does not light up - no function was activated
- If the “Rinse 1-2” indicator lights up - proceed as in “Deleting the additional functions”.

Exception: the “Rinse 1-2” indicator will light up if the switch is set to “COTTONS 170°F”.

Deleting the additional functions:

Follow the same instructions given under “To activate the additional functions”, steps 1 to 4.

When the “Rinse 1-2” lamp goes out;

- Press “ON/OFF”.

The additional function has now been deleted.

INSTALLATION INSTRUCTIONS **Technical data**

1.1 **Dimensions**

Height	33 ¹ / ₂ " + 1 ¹ / ₂ " / -1 ¹ / ₄ "	(850 mm + 10 / -0,5 mm)
Width	23 ¹ / ₂ "	(600 mm)
Depth (including distance from wall)	24"	(610 mm)
Weight	220 lbs.	(99 kg)
Capacity	11 lbs.	(5 kg) dry laundry
Rated load	2.8 kW	
Fuse rating	15 Amp	
Water pressure	14.5-145 p.s.i.	(1-10 bar)
Maximun drain height	4.0 ft.	(1.2 m)
Drain hose diameter	1" I.D.	(25 mm)
Maximum drain length	15 ft.	(4.5 m)
Power supply	120 V/240 V (208 V)	~ multi-phase 60 Hz, AC
Max floor load	1600 Newton (360 lbs)	

Technical data

1.2 Specifications

Hot and cold water hoses come equipped with $\frac{3}{4}$ " Female hose thread connections.

Drainage is via a 5 ft. long (1.5 m), 1 $\frac{1}{4}$ " OD hose.

This washing machine is supplied with a 5 feet long cable with plug for connection to a 120/240 V (208 V) 60 Hz (3-pole-4 wire grounding) power supply.

Program duration (approximate):

Cottons without prewash	170°F	1 h 49 min
Rapid wash – Cottons (3.5 lbs)	140°F	39 min

Spin speed:

W 1930i from 400 to 1600 rpm

Detergent dispenser:

Automatic for:

- Pre-wash
- Main wash
- Fabric softener or starch

Temperature control:

Variable from cold to 170°F



Miele

Canada:

Miele Appliances Limited
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