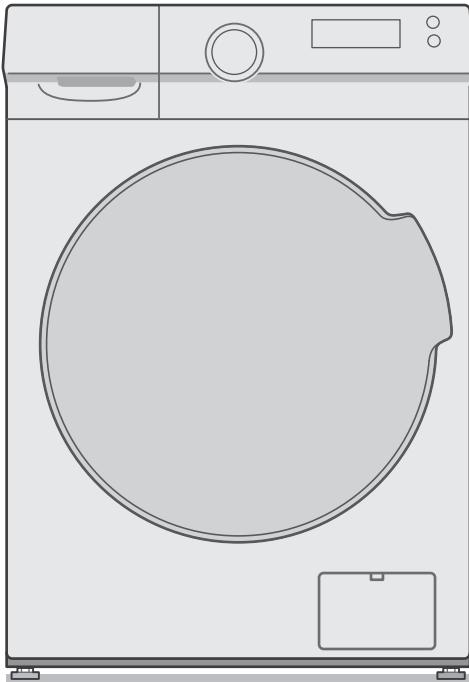


Panasonic®

Operating & Installation Instructions

Washing Machine
(Household Use)

Model No. **NA-148MR1**



Contents

	Safety Precautions	2
	Checking Your Appliance	6
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Thank you for purchasing this product.

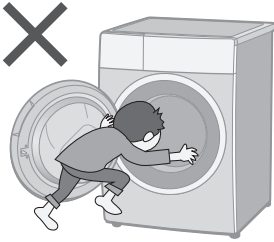
- Read these instructions carefully for optimum performance and safety before use.
- Keep this manual for future reference.

Safety Precautions

WARNING

May cause serious injury or death

Children must not use it alone.



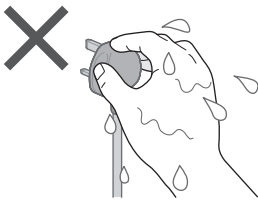
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

Setting the Child Lock. (P. 27)

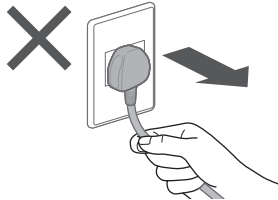


May cause fire or electric shock

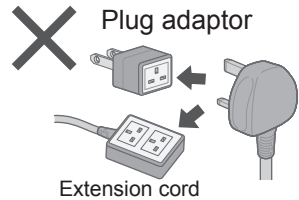
Do not touch it with wet hands.



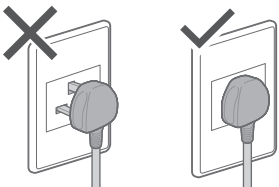
Do not hold or pull on the cord.



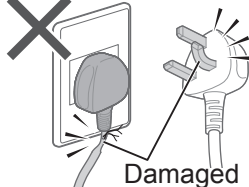
Do not use.



Fully insert it.

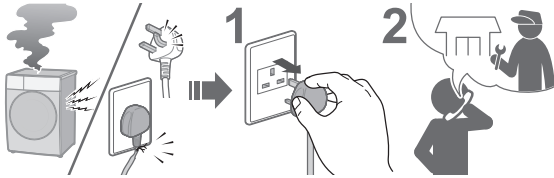


Do not use.

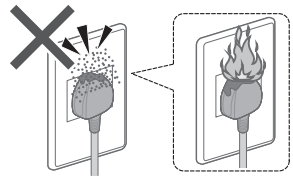


- If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

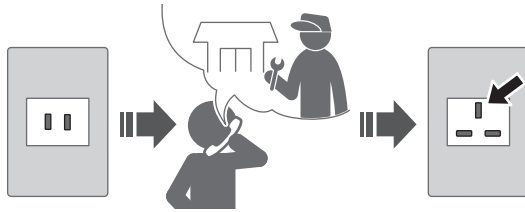
In case of failure or damaged power cord, stop use and ask the electrical technician.



Accumulated dust may cause fire.



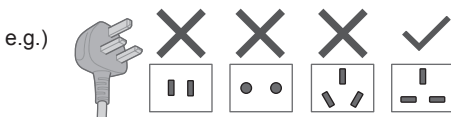
**Securely insert the ground prong.
Ask the electrical technician for a new socket.**



Wipe the power plug periodically.



Use a socket appropriate for this appliance.



- The plug shape, socket shape and rating requirement vary with the region.

Keep away from flammable materials.



May cause failure

Do not disassemble, repair or modify it by yourself.



Safety Precautions (continued)

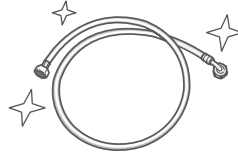
CAUTION

May cause water leakage

Turn off the water faucet.



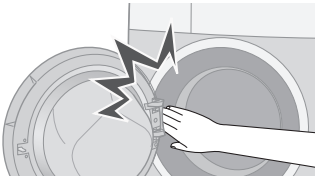
Use new hose-sets.



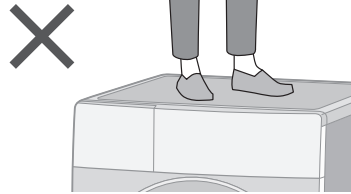
- New hose-sets supplied with the appliance are to be used and old hose-sets should not be reused.

May cause injury

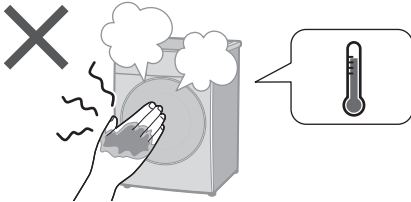
Be careful not to get your fingers caught.



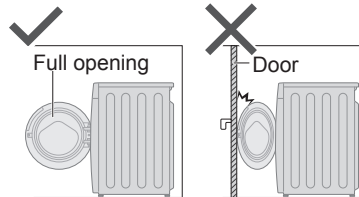
Do not climb on the appliance.



Do not touch when it is hot.



Install the appliance correctly.

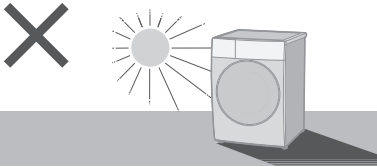


- The appliance must not be installed behind a lockable door, a sliding door or a door with a hinge on the opposite side to that of the appliance, in such a way that a full opening of the appliance door is restricted.

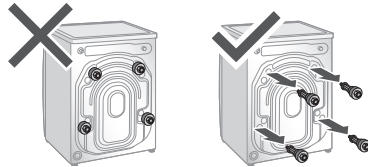
■ For maximum mass of dry cloth and pressure of tap water, see P. 47.

May cause failure

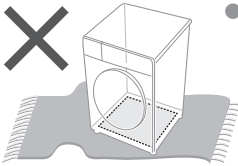
Keep away from heat and direct sunlight.



Remove shipping bolts before operation.

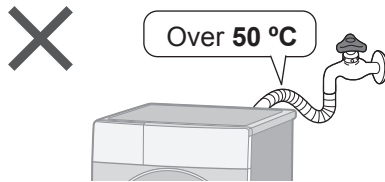


Do not obstruct.

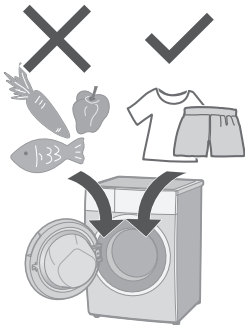


- Do not obstruct the openings of the bottom face with carpet, etc.

Do not use hot water.



For machine-washable items only.



- This appliance is intended to be used in household.
This appliance is not intended to be used in applications such as:
 - staff kitchen areas in shops, offices and other working environments;
 - farm houses;
 - by clients in hotels, motels and other residential type environments;
 - bed and breakfast type environments;
 - areas for communal use in blocks of flats or in laundrettes.

Do not wash excessively oily clothes.



Follow the instructions.

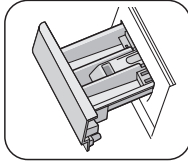


- Fabric softeners, or similar products, should be used as specified by the fabric softener instructions.

Checking Your Appliance

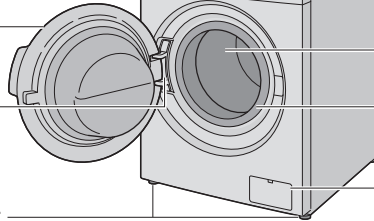
Part names

Detergent drawer (P. 10)



Control panel (P. 8)

Door



Drum

Hinge

Door seal

Adjustable feet (P. 42)

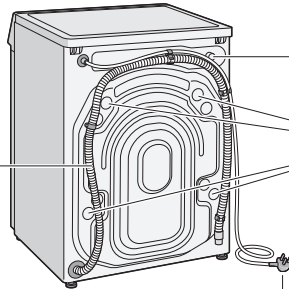
Drain filter cover (P. 31)

Drain hose (P. 43, 44)

Water inlet (P. 44)

Shipping bolts (P. 42)

Power cord and plug



Accessories

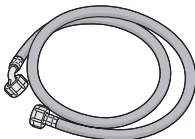
Hose hanger (1) (P. 44)



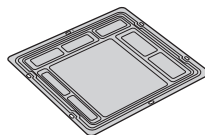
Cover cap (4) (P. 42)



Water supply hose (1) (P. 43, 44)



Bottom cover (1) (P. 41)

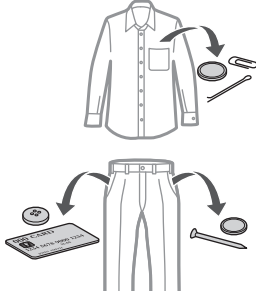


Before Washing

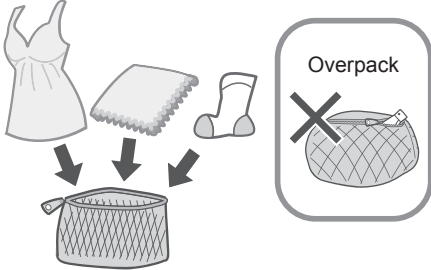
Preparing laundry

Before put clothes in drum

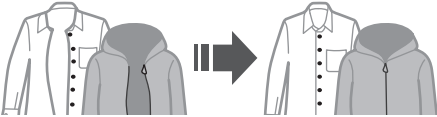
- Remove foreign objects.



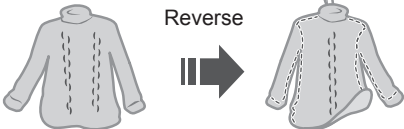
- Use laundry nets for delicates and small items.



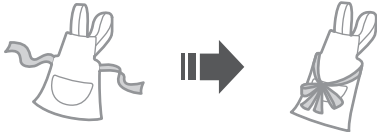
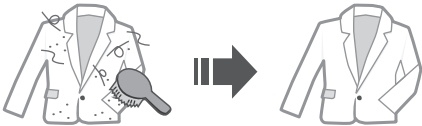
Pre-laundry check



Reverse



Clothes likely to pill

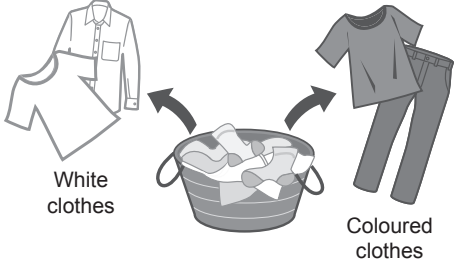


Paper diapers

- Observe care labels.



- Wash separately.

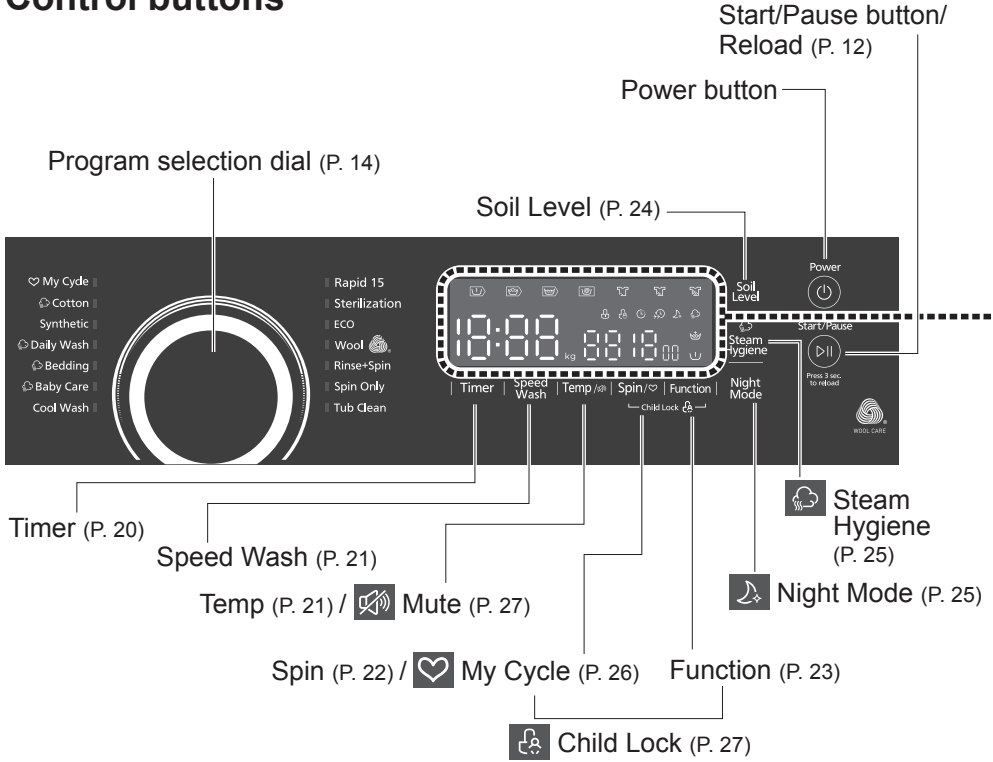


- Pretreat for heavy stains.



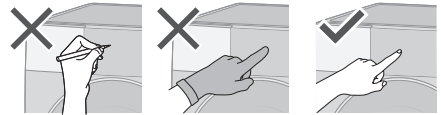
Control Panel

Control buttons



Touch operation

- If water, detergent or softener gets on, turn off and wipe off with a towel etc. immediately. (Cause of malfunction)



NOTE





- No operation ⇒ auto power off





- In case of a power failure

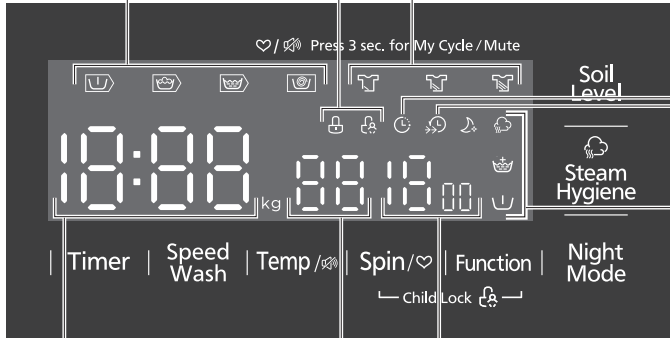
⇒ When the power recovers, operation resumes from where it stopped. (Auto Restart)

Display

- Process**
-  Prewash
 -  Wash
 -  Rinse
 -  Spin

- Lock**
-  The door is locked
 -  All buttons are locked, except the "Power" button. (Child Lock) (P. 27)

Soil Level (P. 24)



Timer (P. 20)

Speed Wash (P. 21)

Optional function lamp

Remaining time



1:15

Spin speed (P. 22)

Water temperature (P. 21)

Error display (P. 38)

(e.g.) E 10

 (P. 25)

 (P. 25)

 (P. 23)

 (P. 23)

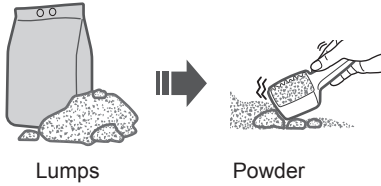
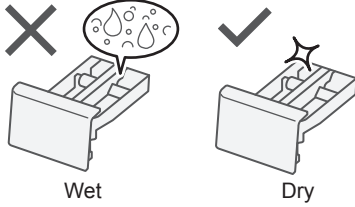
Detergent

- Follow the instructions on each package.

Detergent

Use a low foam detergent.

- To prevent powder detergent from remaining in the detergent drawer:



II Main wash

Powder detergent

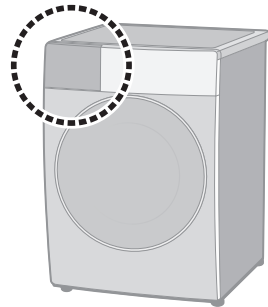
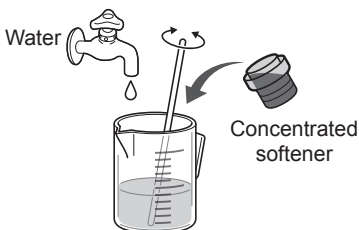
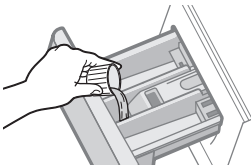
Liquid detergent



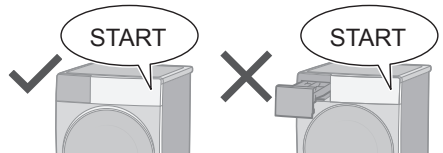
Bleach



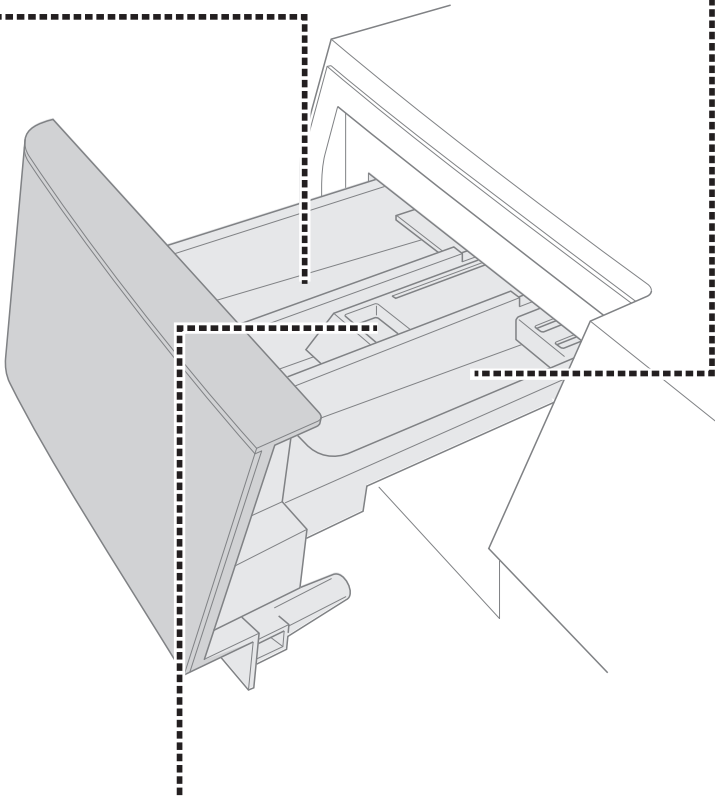
Fabric softener



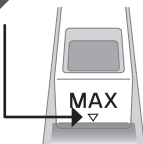
NOTE



I Prewash (P. 23)

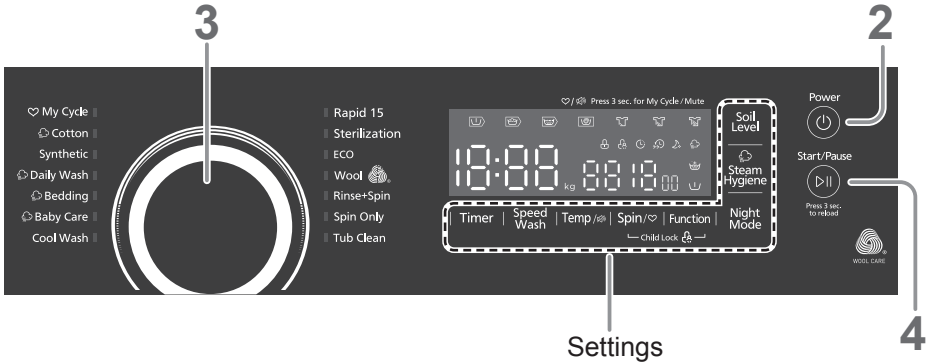


Softener



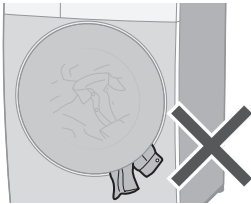
Washing

Basic Method

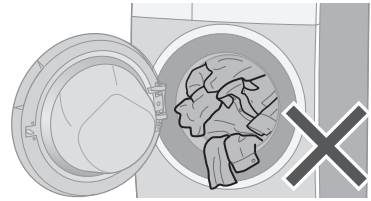


NOTE

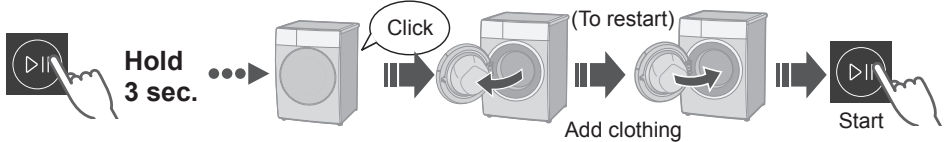
■ Do not let laundry get caught in the door.



■ Do not overfill the drum with laundry.



■ **Reload**
(To open the door during operation)



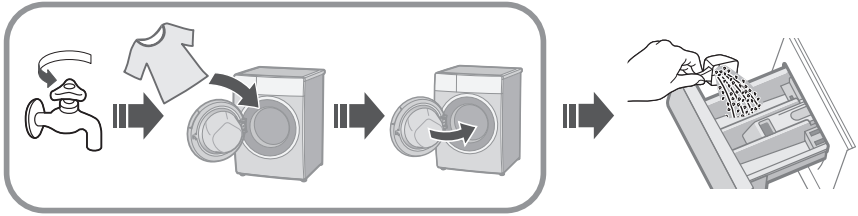
NOTE

● Door does not open. ➡ (P. 33)



● When adding clothing, do not open the door with the "Power" button off. Water increases when resuming. This action dilutes the detergent. Furthermore, if this operation is repeated, water may come out when the door is opened.

1



2



3

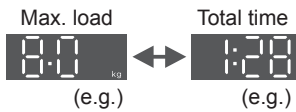


Select a program.
(P. 14)

■ Changing the settings.



Displays Max. load and total time alternately.



Settings

Timer
(P. 20)

Speed Wash
(P. 21)

Temp /⁹⁰
(P. 21)

Spin /[♥]
(P. 22)

Function
(P. 23)

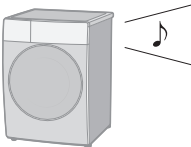
Soil Level
(P. 24)

Steam Hygiene
(P. 25)

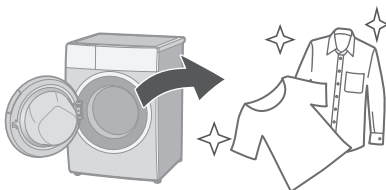
Night Mode
(P. 25)

My Cycle
(P. 26)









4







5



Program List

Program	Description	Max. load (kg)	Total time
Cotton	<ul style="list-style-type: none"> ● Everyday clothes (Cotton and linen) 	8.0	1:28
Synthetic	<ul style="list-style-type: none"> ● Chemical fibres 	4.0	1:25
Daily Wash	<ul style="list-style-type: none"> ● Everyday clothes (Quicker than "Cotton" program) 	8.0	1:20
Bedding	<ul style="list-style-type: none"> ● Large items 	8.0	1:48
Baby Care	<ul style="list-style-type: none"> ● Clothes for babies & sensitive skin Rinsing thoroughly 	8.0	2:01
Cool Wash	<ul style="list-style-type: none"> ● Low temperature, low energy 	4.0	1:01
Tub Clean	<ul style="list-style-type: none"> ● Cleaning the drum 	—	1:18
Spin Only	<ul style="list-style-type: none"> ● Spinning only 	8.0	0:12
Rinse+Spin	<ul style="list-style-type: none"> ● Rinsing only or rinsing once more with fabric softener 	8.0	0:20

Program	Description	Max. load (kg)	Total time
Wool	<ul style="list-style-type: none"> Machine-washable woollen clothes 	2.0	1:07
ECO	<ul style="list-style-type: none"> Cotton intended for washing at 40 °C or 60 °C can be washed in the same program. Energy and water consumption is efficiency. 	2.0	0:59
Sterilization	<ul style="list-style-type: none"> Sterilization wash (only for white clothes) 	4.0	2:27
Rapid 15	<ul style="list-style-type: none"> Small loads, lightly soiled 	2.0	0:15



WOOL CARE

"Wool" program of this appliance has been approved by The Woolmark Company for the washing of machine washable wool products provided that the products are washed according to the instructions on the garment label and this manual.

M2138: NA-148MR1

- **Total time is approximate** (When the standard water supply rate is 15 L / min). For each program's default water temperature.

Details of Programs

Settings Program	Auto setting		Setting range	
	Temp (°C)	Spin (r/min)	Temp (°C)	Spin (r/min)
Cotton	40	1000	Cold, 20, 30, 40, 60, 90	0, 400, 600, 800, 1000, 1200, 1400
Synthetic	40	1000	Cold, 20, 30, 40, 60	0, 400, 600, 800, 1000, 1200
Daily Wash	40	800	Cold, 20, 30, 40, 60, 90	0, 400, 600, 800, 1000, 1200, 1400
Bedding	40	1000	Cold, 20, 30, 40, 60	0, 400, 600, 800, 1000, 1200, 1400
Baby Care	60	1000	Cold, 20, 30, 40, 60, 90	0, 400, 600, 800, 1000, 1200
Cool Wash	20	1000	Cold, 20	0, 400, 600, 800, 1000, 1200
Tub Clean	90	—	90	—
Spin Only	—	1000	—	0, 400, 600, 800, 1000, 1200, 1400
Rinse+Spin	—	1000	—	0, 400, 600, 800, 1000, 1200, 1400
Wool	40	600	Cold, 20, 30, 40	0, 400, 600, 800
ECO	30	1000	Cold, 20, 30, 40, 60	0, 400, 600, 800, 1000, 1200, 1400
Sterilization	70	800	70	0, 400, 600, 800, 1000, 1200, 1400
Rapid 15	Cold	800	Cold, 20, 30	0, 400, 600, 800

NOTE

- Actual water temperature may differ from the declared cycle temperature.
- These results depend on water pressure, water hardness, water inlet temperature, room temperature, type and amount of load, degree of soiling, utilized detergent, fluctuations in the main electricity supply and chosen additional options.

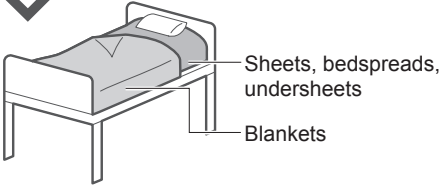
	Optional functions							
	Timer	Steam Hygiene	Prewash	Rinse+	Night Mode	Speed Wash	Soil Level	My Cycle
	✓	✓	✓	✓	✓	✓	✓	✓
	✓	—	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓	—	✓
	✓	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓	✓	✓
	✓	—	—	✓	✓	✓	—	✓
	✓	—	—	—	✓	—	—	✓
	✓	—	—	—	✓	—	—	✓
	✓	—	—	✓	✓	—	—	✓
	✓	—	—	✓	✓	—	—	✓
	✓	—	—	✓	✓	—	—	✓
	✓	—	—	✓	✓	—	✓	✓
	✓	—	—	—	✓	—	—	✓

Washing Tips

Bedding

■ Washable items

- 100 % cotton or 100 % synthetic



■ Not washable items



Electric blankets



Wool



Silk

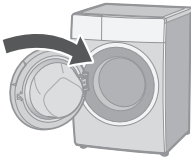


Long pile

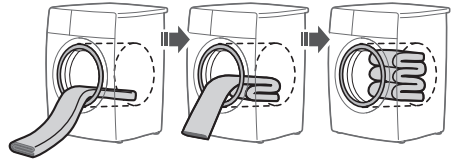
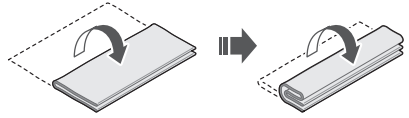


Fake fur

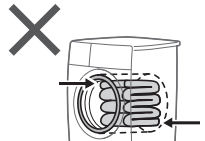
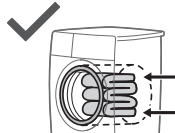
NOTE



■ Putting blankets into the drum



NOTE

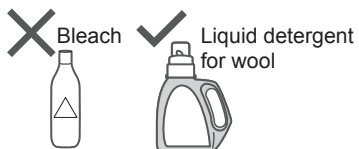


Wool

■ When washing

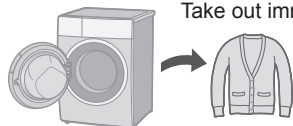
- To rinse fully, use the “Rinse+” function. (P. 23)

NOTE



■ After operation ends

Take out immediately



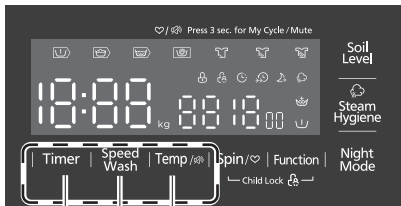
Changing Program Settings

■ Preparing

- Sort the laundry and put it into the drum. (P. 7)
- Add the detergent. (P. 10)



3 Change the program's settings.



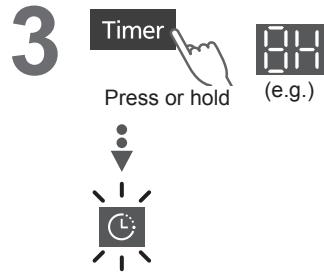
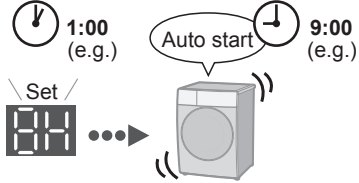
Timer
Speed Wash
Temp

- Available options and setting ranges are different depending on the program. (P. 16)
- An alarm sounds if you select an option that is unavailable.



Timer

Set how many hours later to start operation. (Up to 24 hours)



■ To cancel settings



Turn off
(All settings are cancelled)

NOTE

- All indications turn off except



Speed Wash

Decrease the washing time.

3

Speed Wash



Goes out
(Off)



Lights
(On)

Temp

Change the washing temperature.









Low



High

■ Setting guide

 Low	 High
<ul style="list-style-type: none">● Colours 	<ul style="list-style-type: none">● White 
<ul style="list-style-type: none">● Lightly Soiled 	<ul style="list-style-type: none">● Heavily Soiled 
<ul style="list-style-type: none">● Easily shrinks	<ul style="list-style-type: none">● Cotton

3

Temp

(P. 16)

Changing Program Settings (continued)

■ Preparing

- Sort the laundry and put it into the drum. (P. 7)
- Add the detergent. (P. 10)

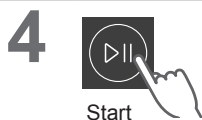


3 Change the program's settings.



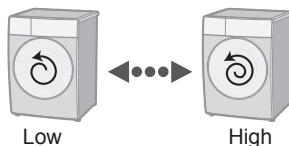
Spin
Prewash
Rinse+

- Available options and setting ranges are different depending on the program. (P. 16)
- An alarm sounds if you select an option that is unavailable.







Spin

Change the spin speed.

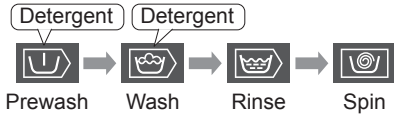


■ Setting guide

 Low	 High
● To reduce wrinkling 	● To dry more thoroughly 

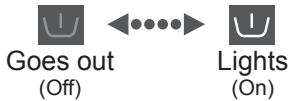


Prewash



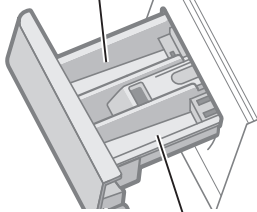
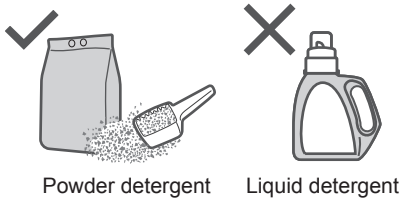
3

Function



NOTE

Main wash



Prewash (P. 11)

Half the amount of the Main wash

- Liquid detergent put in the Main wash drawer will just flow out during Prewash.
- Detergent needs to be added to the compartment I.

Rinse+

Add extra rinse process.



3

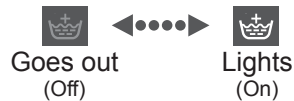
Function

2 times

- Programs without "Prewash":
Cool Wash, Rinse+Spin, Wool, Sterilization

Function

1 time



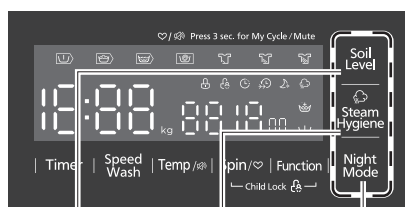
Changing Program Settings (continued)

■ Preparing

- Sort the laundry and put it into the drum. (P. 7)
- Add the detergent. (P. 10)



3 Change the program's settings.

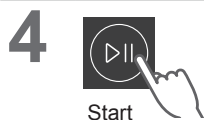


Soil Level

Steam Hygiene

Night Mode

- Available options and setting ranges are different depending on the program. (P. 16)
- An alarm sounds if you select an option that is unavailable.



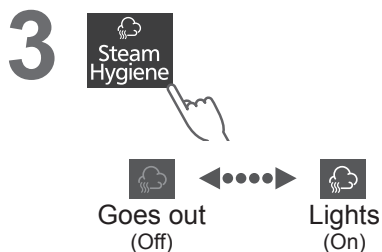
Soil Level

Increase or decrease washing time by 15 minutes in accordance with the dirt level.



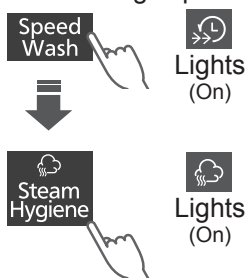
Steam Hygiene

Generate warm steam before washing and achieve 99.99 % bacteria elimination.



NOTE

- When using "Steam Hygiene", temperature will be over 70 °C. Please check care labels on clothes before using this function.
- When using "Speed Wash"



Night Mode

Spin speed is reduced to 800 r/min to be quieter. Button sound is cancelled.



Changing Program Settings (continued)

■ Preparing

- Sort the laundry and put it into the drum. (P. 7)
- Add the detergent. (P. 10)



3 Change the program's settings.



My Cycle

- Available options and setting ranges are different depending on the program. (P. 16)
- An alarm sounds if you select an option that is unavailable.



My Cycle

Memorize favourite settings. Selecting "My Cycle" program recalls those settings from memory.

3 Change washing settings or optional functions. (P. 16)



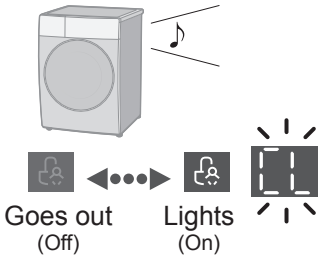
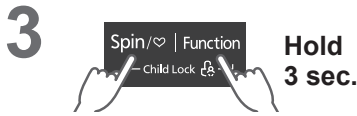
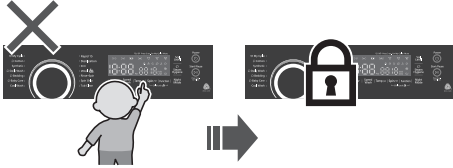
- The default setting program is "Cotton".

■ **To change:**
Same procedure


Changing Appliance Settings

Child Lock

All are locked, except the "Power" button.

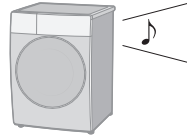
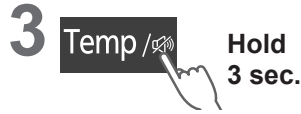


■ **To cancel:**


Same procedure 

Mute

After Muting the buzzer function, the sounds will not be activated any more.



■ **To cancel:**

Same procedure 

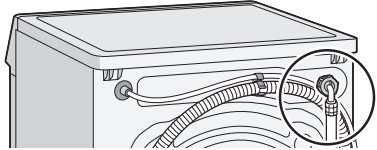
NOTE

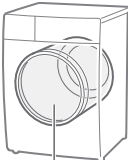

- Child Lock is not released, even when the power is turned off.

Maintenance

Water supply filter




Every 3 months or  error message appears

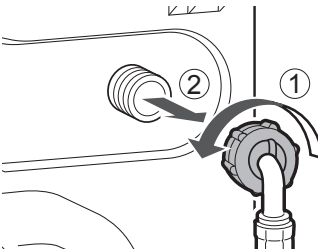



1  → 
Empty

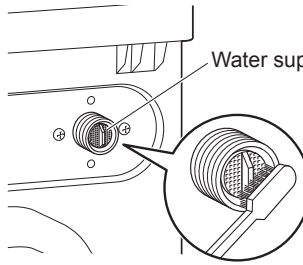
2  
On

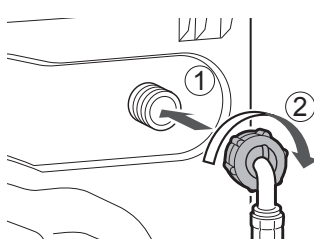
3  **Select "Cotton"**

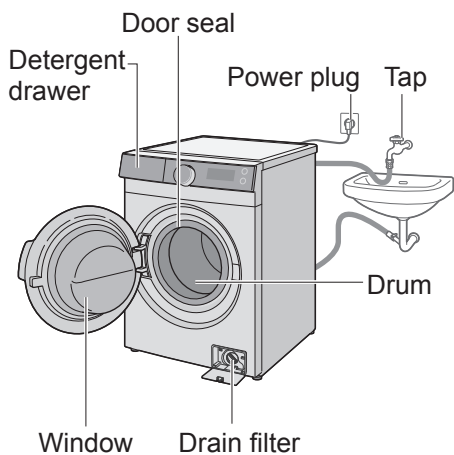
4   **Start** 1 min. ●●●●● →   **Turn off**

5 

6 

7  **Water supply filter**

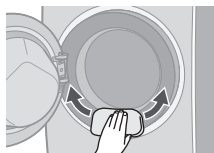
8 



Appliance

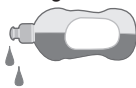


Door seal

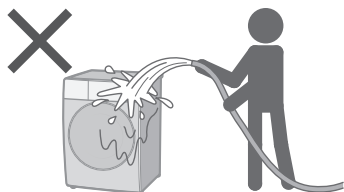


For heavy soil

Mild kitchen detergent

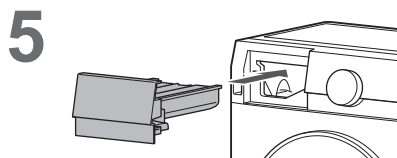
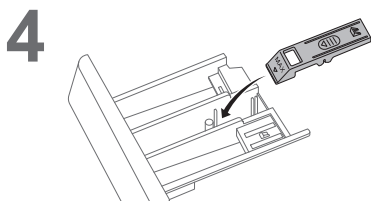
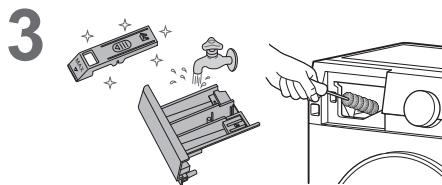
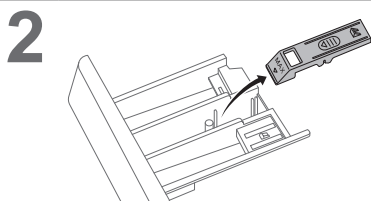
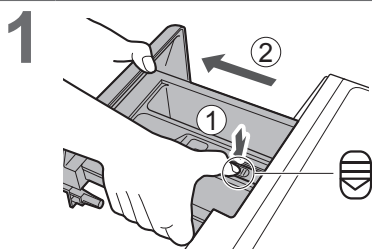


NOTE



- Do not use gritty cleaners or thinners, or products containing alcohol or paraffin oil.

Detergent drawer

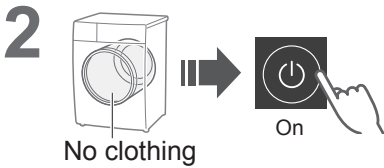


Maintenance (continued)

Drum

Regularly according to the need

Clean the drum by using 90 °C high temperature sterilization.



NOTE

- When this program is performed, the clothes or other washing items cannot be added.
- When proper amount of chlorine bleaching agent is put in, the drum cleaning effect will be better.

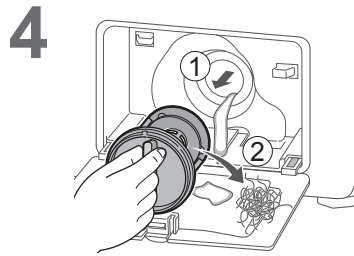
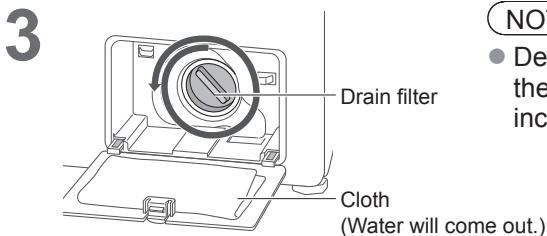
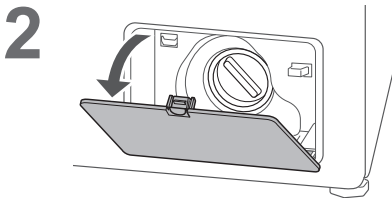
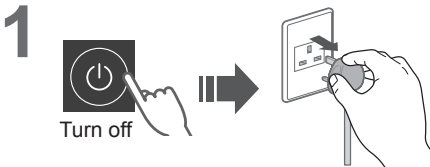
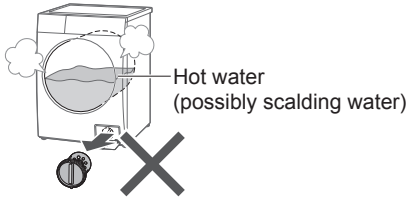
Drain filter

Every 3 months or  error message appears

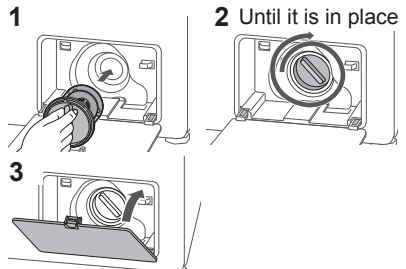
Be sure to check the following before this procedure.

- Water in the drum has been drained.
- The operation has finished.
- The drum is empty.

CAUTION




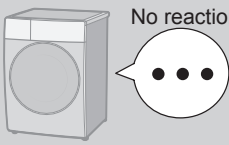
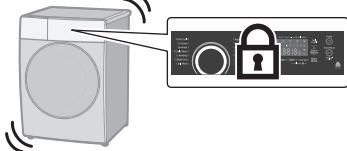

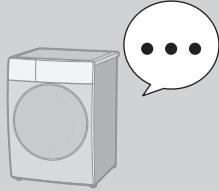

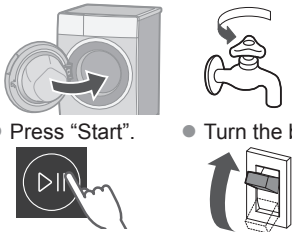
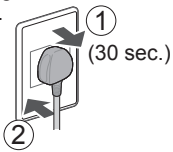
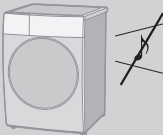


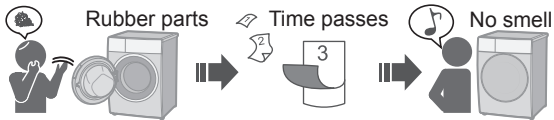
5 Replace



NOTE

- Depending on drainage conditions, the remaining water amount may increase.

Troubleshooting

	Symptoms	Points to be checked
Main unit	<p>Touch the buttons</p>  <p>No reaction</p> 	<p><input type="checkbox"/> Possible cause</p> <ul style="list-style-type: none"> ● During an operation  <p><input type="checkbox"/> Try</p> <ul style="list-style-type: none"> ● Child Lock (P. 27)  (Off)
	<p>No operation</p> 	<p><input type="checkbox"/> Check</p> <ul style="list-style-type: none"> ● Power cut ● Timer  <p><input type="checkbox"/> Try</p> <ul style="list-style-type: none"> ● Close the door. ● Turn on. ● Unplug and insert again. ● Press "Start". ● Turn the breaker on.  
	<p>No buzzer sounds</p> 	<p><input type="checkbox"/> Check</p> <ul style="list-style-type: none"> ● Mute (P. 27)  Hold 3 sec.
	<p>Odour of rubber</p> 	<p><input type="checkbox"/> Possible cause</p>  <p><input type="checkbox"/> Try</p> <p>"Tub Clean" (P. 30)</p>

	Symptoms	Points to be checked
--	----------	----------------------

Main unit

Door does not open

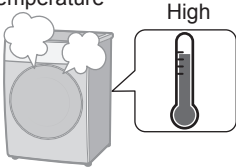


- Possible cause
 - During an operation

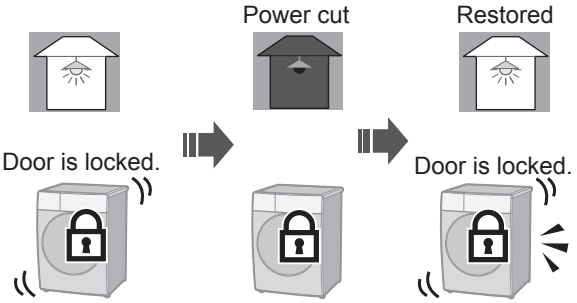


Door is locked.
To open the door during operation (P. 12)

- Check
 - Temperature



NOTE

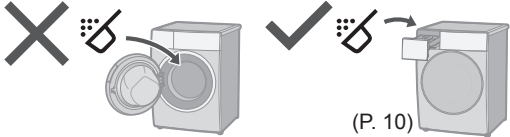


Detergent and foam

After washing

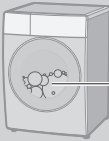





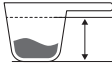




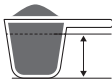



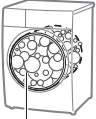
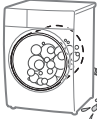
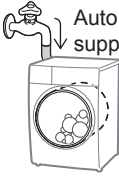


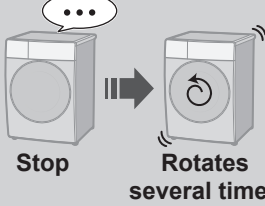
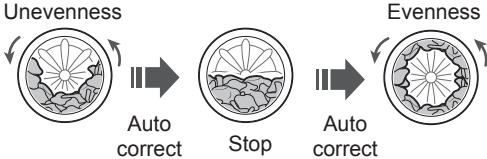
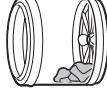
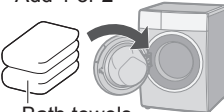

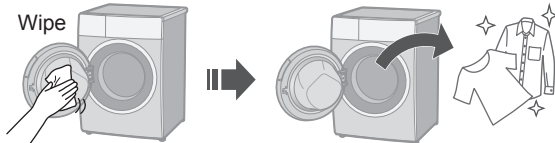
- Check




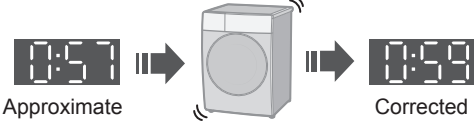





(P. 10)

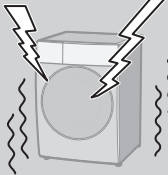

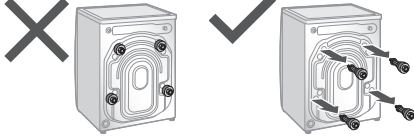

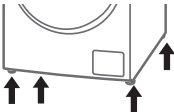
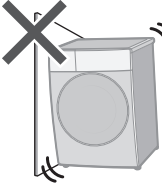


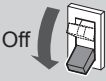
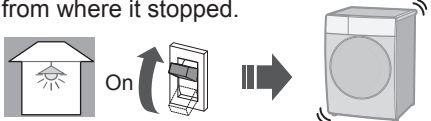
Troubleshooting (continued)

	Symptoms	Points to be checked
Detergent and foam	 <p>Foam</p>	<input type="checkbox"/> Possible cause <ul style="list-style-type: none"> • The amount of foam varies. <ul style="list-style-type: none"> • Temperature  • Water softness 
	<p>Not enough</p> 	<input type="checkbox"/> Check <ul style="list-style-type: none"> • Powder detergent <ul style="list-style-type: none">   <p>(P. 10)</p> <ul style="list-style-type: none"> • Too little detergent  • Low foam detergent  • Heavily soiled  • Load too large 
	<p>Too much</p> 	<input type="checkbox"/> Check <ul style="list-style-type: none"> • Too much detergent 
<p>Detergent for Prewash does not flow</p>  <p>Prewash</p>	<input type="checkbox"/> Check <p>Function  (P. 23)</p>	
<p>Wash</p>  <p>Wash</p> <p>Water drainage</p>	<input type="checkbox"/> Possible cause <ul style="list-style-type: none"> Excess foam  <p>Foam</p> Foam detection function  <p>Auto drainage</p> Auto water supply  <p>Auto water supply</p> 	








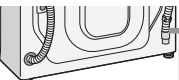











	Symptoms	Points to be checked
Rinse/Spin	<p>During the spin process</p>  <p>Stop → Rotates several times</p>	<p><input type="checkbox"/> Possible cause</p> <p>Unevenness</p>  <p>Auto correct → Stop → Auto correct</p> <p>Evenness</p> <p><input type="checkbox"/> Try</p> <p>Too light</p>  <p>→</p> <p>Add 1 or 2</p>  <p>Bath towels</p>
	<p>After washing</p>  <p>Foam or water</p>	<p><input type="checkbox"/> Try</p>  <p>Wipe</p>

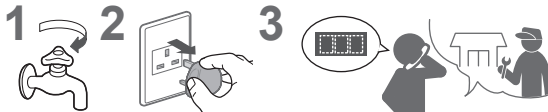
Troubleshooting (continued)

	Symptoms	Points to be checked
Time	<p>During a wash</p> <p>Displayed time</p>  <p>Changes</p>	<p><input type="checkbox"/> Possible cause</p> <ul style="list-style-type: none"> ● Remaining time is corrected during operation.  <p>Approximate → Corrected</p> <ul style="list-style-type: none"> ● If the settings are changed ● If clothes are uneven   <p>⇒ The remaining time may increase.</p>
	<p>Remaining time</p> <p>Does not decrease</p>  <p>or</p> <p>Suddenly decrease</p> 	<p><input type="checkbox"/> Possible cause</p> <p>The displayed time is a guideline.</p>
Noise	<p>During water drainage</p> 	<p><input type="checkbox"/> Possible cause</p> <ul style="list-style-type: none"> ● This is normal. <p>The drain pump is working.</p>

	Symptoms	Points to be checked
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Noise</p> <p>Unusual noise (or vibration)</p> 	<p><input type="checkbox"/> Check</p> <ul style="list-style-type: none"> ● Metal items  ● Shipping bolts (P. 42)  ● Slope or an unstable surface  ● Adjust 4 feet. (P. 42)  ● Touching  ● Uneven  	
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Others</p> <p>Power cut</p>  <p>Breaker</p> <p>Off </p>	<p><input type="checkbox"/> Check</p> <ul style="list-style-type: none"> ● When the power recovers, operation resumes from where it stopped. 	

Error Display

Error code	Code description	Points to be checked
	<p>Unable to supply water</p>	<p>1 Check</p> <p>2  Start</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Water outage </p> <p>Turned off </p> <p>Water supply filter (P. 28) </p> </div> <ul style="list-style-type: none"> • Check the water pressure. (0.05 - 1.0 MPa) • To repair or replace parts, contact authorized repair agents. 
	<p>Unable to drain</p>	<p>1 Check </p> <p>2  Start</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>     (P. 31)</p> </div> <ul style="list-style-type: none"> • Confirm that the drain hose is attached correctly. (P. 44) • To repair or replace parts, contact authorized repair agents. 
	<p>Door is open</p>	<p>1 </p> <p>2  Start</p> <ul style="list-style-type: none"> • To repair or replace parts, contact authorized repair agents. 

Error code	Code description	Points to be checked
E 12	Overflow alarm	
E 33	Water sensor error	
E 64	Communication error between computer board and motor	 <p>1 2 3</p> <p>Contact authorized repair agents.</p>
E XX	Others	

Installation

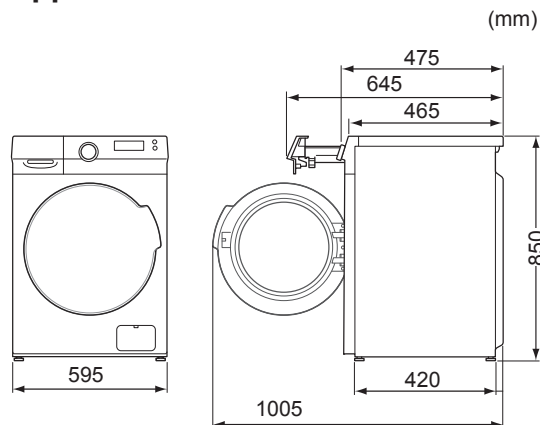
Choosing the Right Location



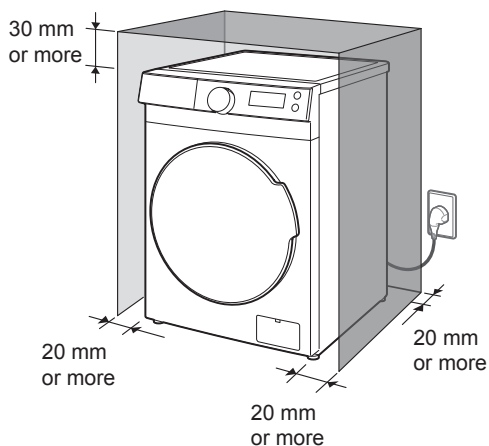
Make sure to ask a service person for installation.

- Do not install the appliance by yourself.
- Follow this installation method. If you do not, Panasonic will not be liable for any accidents or damages.

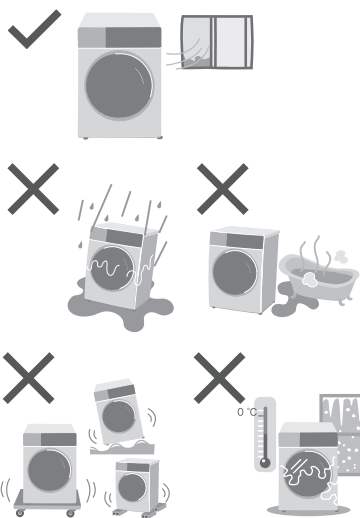
Appliance dimensions



■ Set-in installation



Check the location.



NOTICE

May cause malfunction.

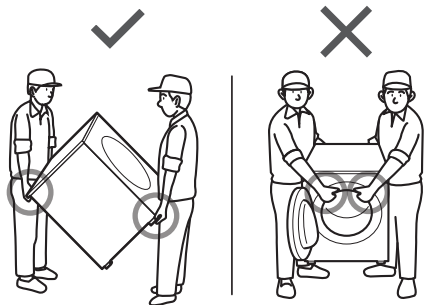


Do not install the appliance near the equipment that generates electromagnetic waves, such as an IH rice cooker.

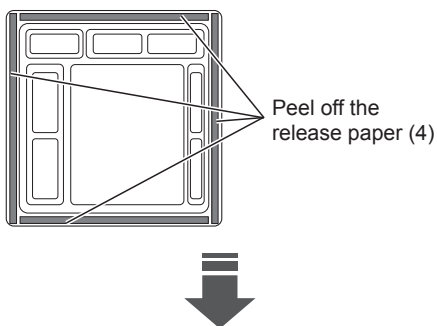
Installation Moving and Installing

Carrying the appliance

Do not do it alone.

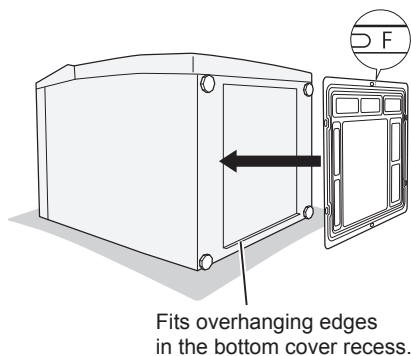
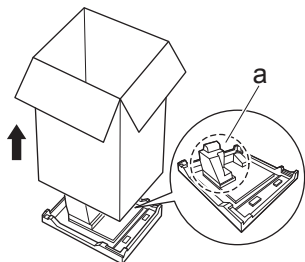


Installing the bottom cover



Unpacking the appliance

Remove the small triangle foam (a) with the bottom packaging together.

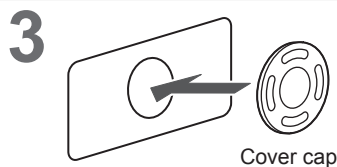
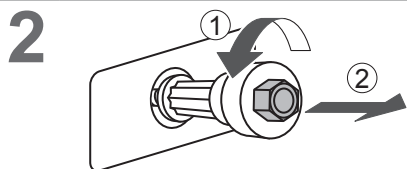
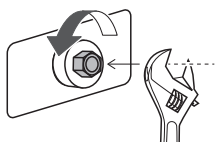
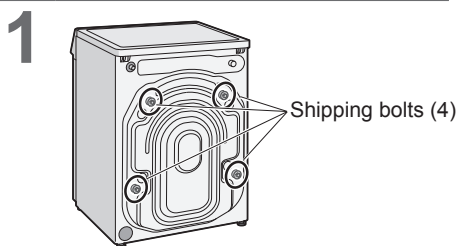


NOTE

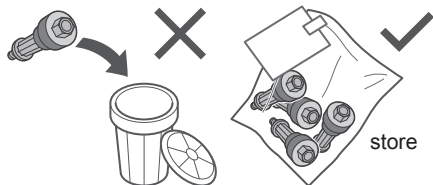
- There is a risk of suffocation. Keep all packaging material (e.g. Films, Styrofoam) well away from children.

Installation **Moving and Installing** (continued)

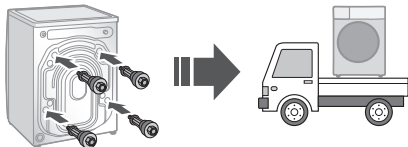
Removing the shipping bolts



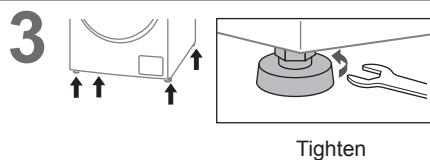
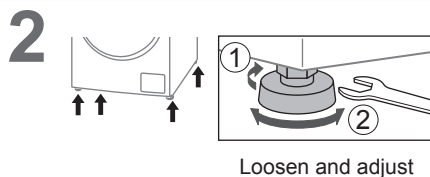
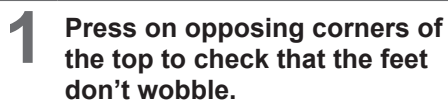
NOTE



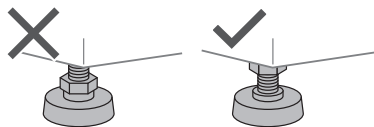
■ Moving the appliance again



Levelling the appliance



NOTE



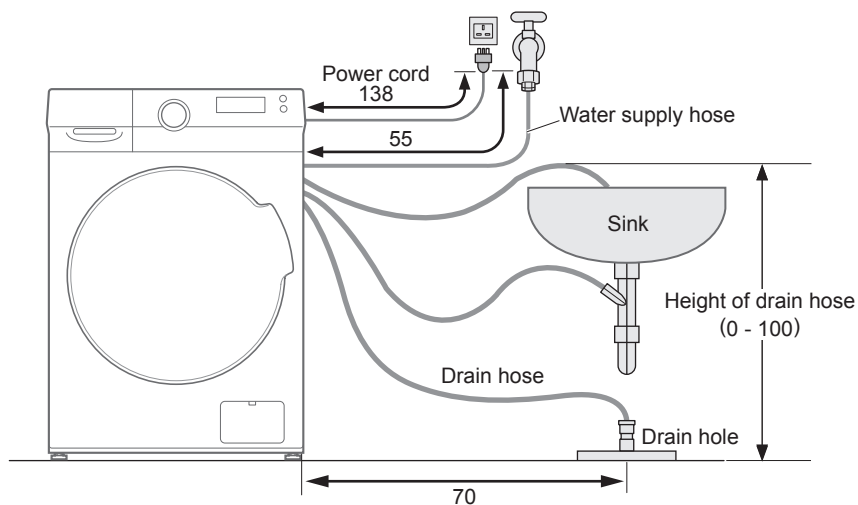
Installation **Connecting the Hoses**

Connect the hoses properly to prevent water leaks.

Maximum connection distances for hoses and the power cord

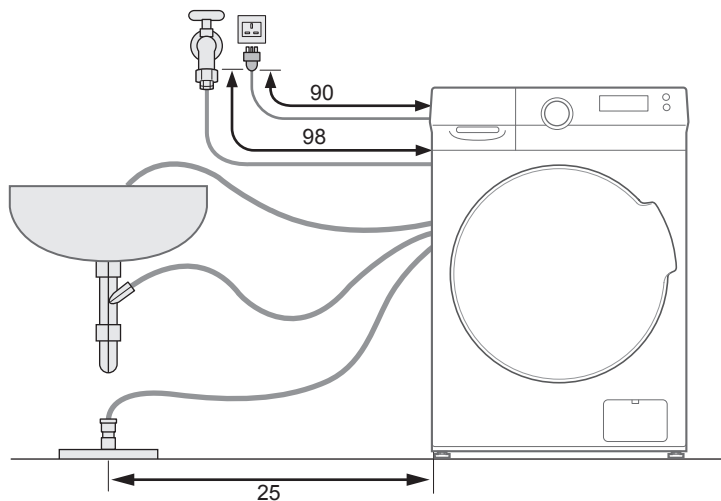
Right side connection

(cm)



Left side connection

(cm)



Water supply hose

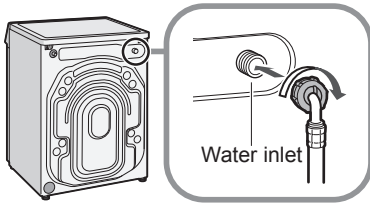
■ Connecting the water supply hose



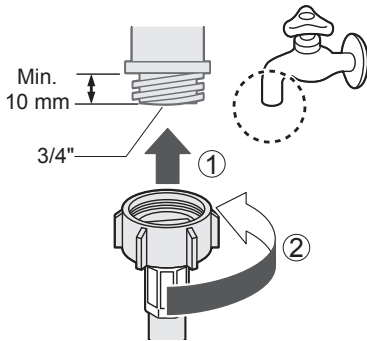
CAUTION

- Tighten the nut firmly.
- Do not twist, squash, modify or cut the hose.

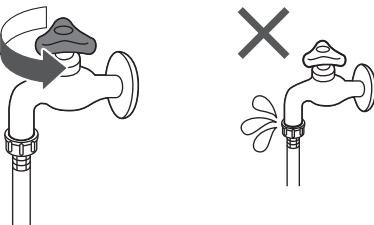
1



2



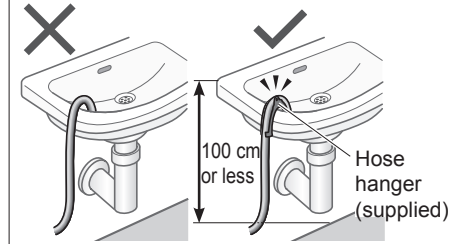
3



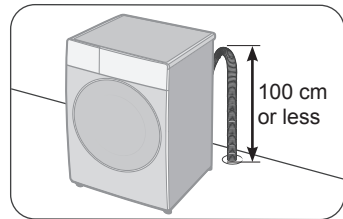
Drain hose

■ Draining to a sink or wash basin

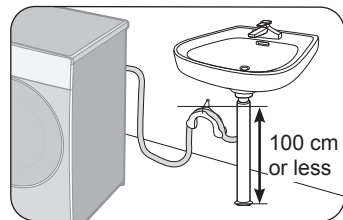
NOTICE



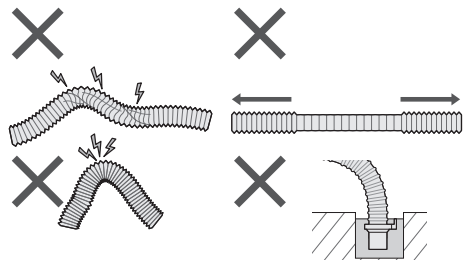
■ Draining to a floor directly



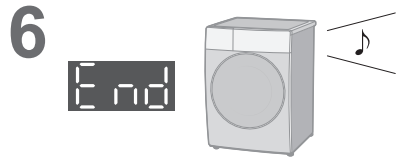
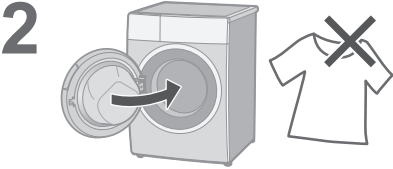
■ Draining to a sink drain hose branch




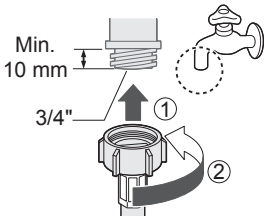
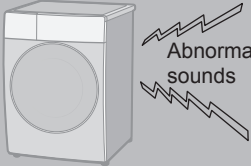
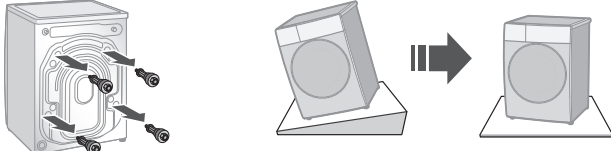
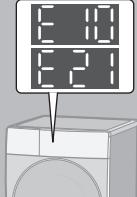
NOTE



Test Run



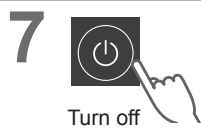
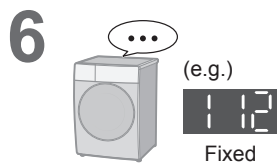
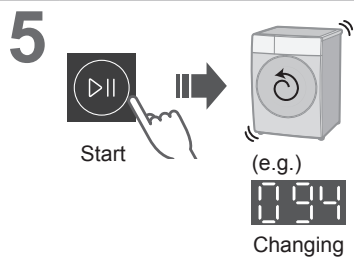
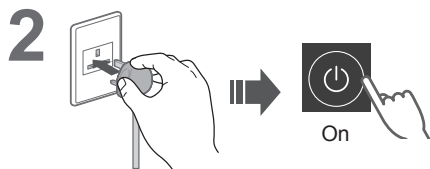
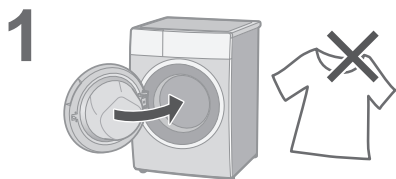
Checking after test run

Problem	Causes and Measures
<p>Water leaks</p> 	<p>Connect the water supply hose properly.</p> 
<p>Abnormal sounds</p> 	<ul style="list-style-type: none"> ● Remove the shipping bolts (P. 42). ● Install stably. 
<p>Error display</p> 	<p>See P. 38.</p>

Installation **Test Run** (continued)

Calibration

Recommendation for best performance



Specifications

	NA-148MR1
Rated voltage (V)	220 - 240
Rated frequency (Hz)	50
Maximum energy rated power input (W)	1700 - 2000
Maximum spin speed (r/min)	1400
Product dimensions (W x D x H) (mm)	595 × 475 × 850
Product weight (kg)	63
Maximum mass of dry cloth (kg)	8.0
Pressure of tap water (MPa)	0.05 - 1.0

