

Panasonic®

Operating & Installation Instructions

Washing Machine
(Household Use)

Model No. **NA-V10FA1**
NA-V90FA1



It is essential to read these instructions.

EN

Thank you for purchasing this product.

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

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AWW9901CHMC0-0C0

Safety Precautions



WARNING

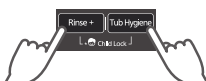
May cause serious injury or death

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. 24)



Hold
5 sec.

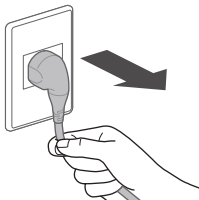


May cause fire or electric shock

Do not touch it
with wet hands.



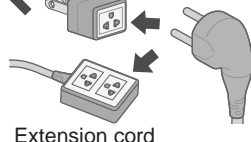
Do not hold or
pull on the cord.



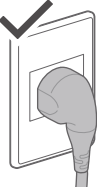
Do not use.



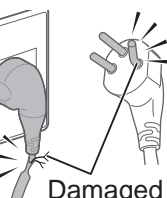
Plug adaptor



Fully insert it.

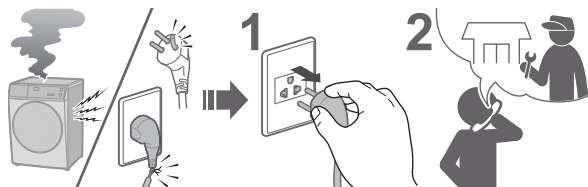


Do not use.

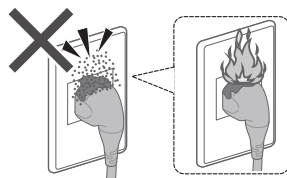


- If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

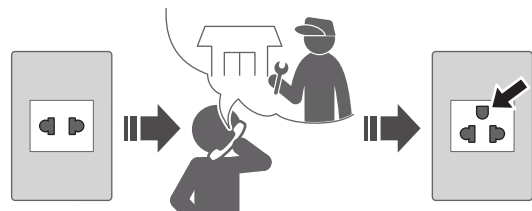
In case of failure or damaged power cord, stop use and ask the electrical technician.



Accumulated dust may cause fire.



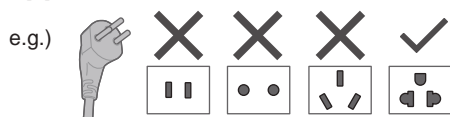
**Securely insert the ground prong.
Ask the electrical technician for a new socket.**



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.



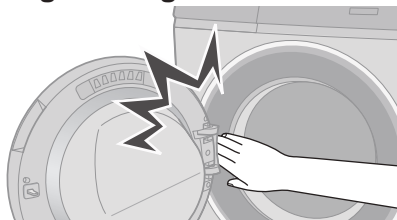
Safety Precautions (continued)



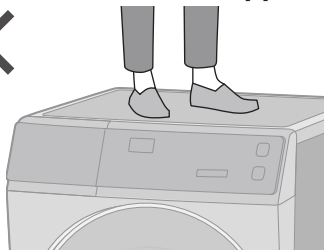
CAUTION

May cause injury

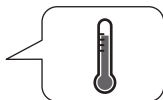
Be careful not to get your fingers caught.



Do not climb on the appliance.



Do not touch when it is hot.

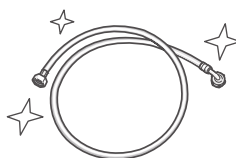


May cause water leakage

Turn off the water faucet.



Use new hose-sets.

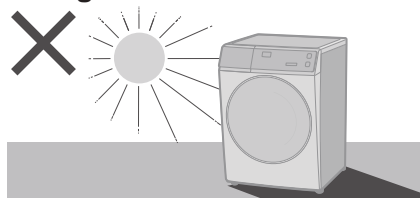


- New hose-sets supplied with the appliance are to be used and old hose-sets should not be reused.

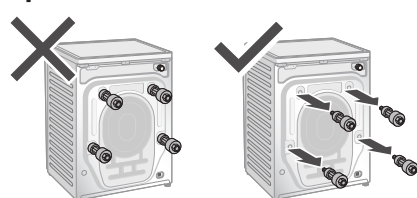
- For maximum mass of dry cloth and pressure of tap water, see P. 42.
- The installation shall be in accordance with the requirements of AS/NZS 3500.1.

May cause failure

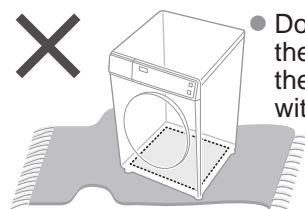
Keep away from heat and direct sunlight.



Remove anchor bolts before operation.



Do not obstruct.

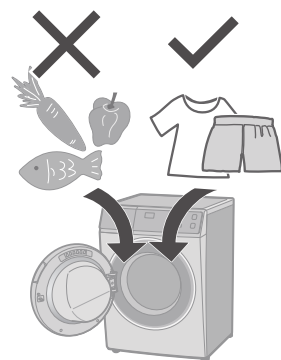


- Do not obstruct the openings of the bottom face with carpet, etc.

Do not use hot water.



For machine-washable items only.



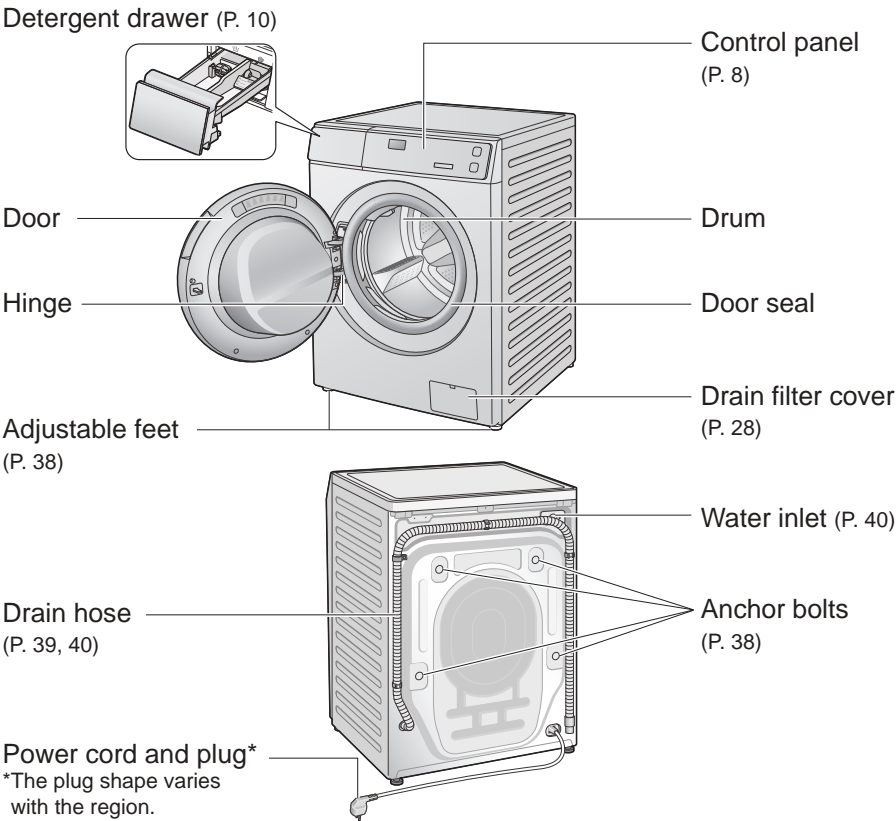
- This appliance is intended to be used in household. This appliance is not intended to be used in applications such as:
 - staff kitchen areas in shops, offices and other working environments;
 - farm houses;
 - by clients in hotels, motels and other residential type environments;
 - bed and breakfast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

Do not wash excessively oily clothes.

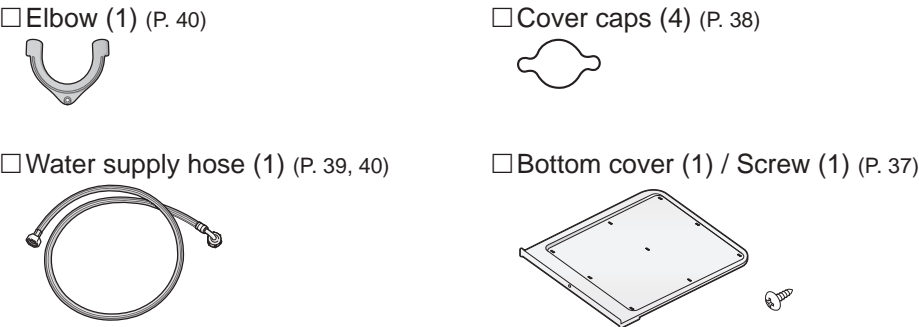


Checking Your Washing Machine

Part names



Accessories

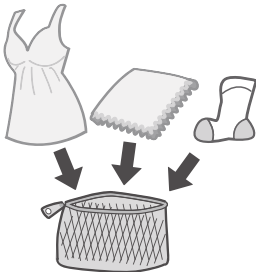
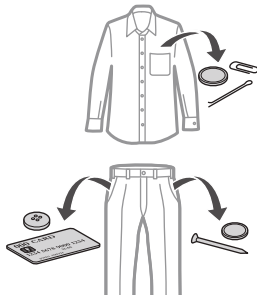


Before Washing

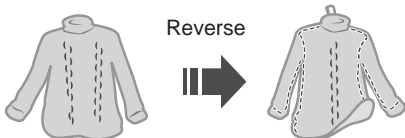
Preparing laundry

Before put clothes in drum

- Remove foreign objects.
- Use laundry nets for delicates and small items.

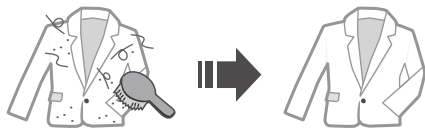


Pre-laundry check



Reverse

Clothes likely to pill



- Wash separately.



White clothes



Coloured clothes

- Pretreat for heavily stains.



NOTE

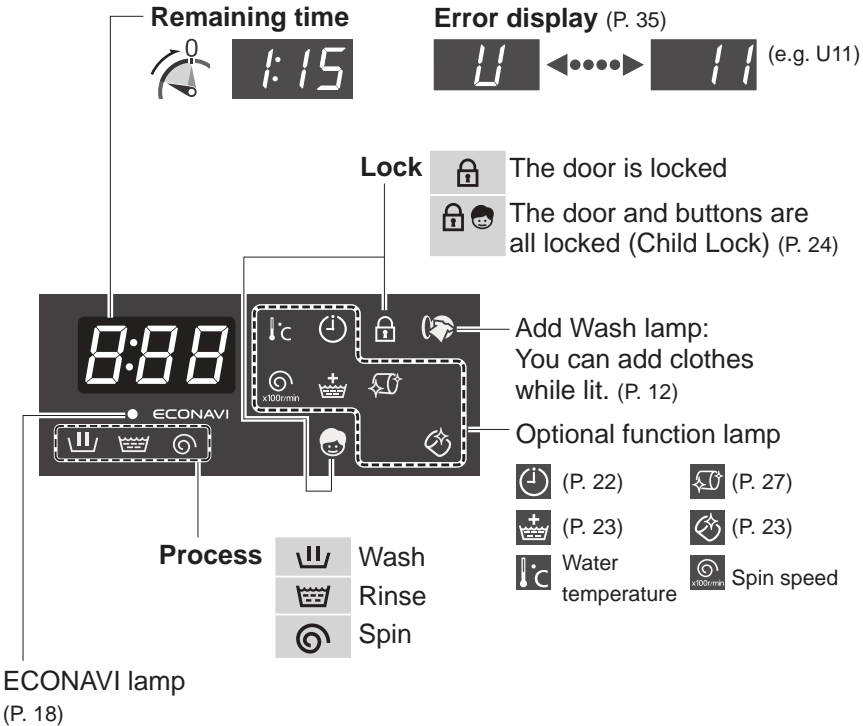
- “Mud” program (P. 15) are recommended for removing stains.

- Observe care labels.

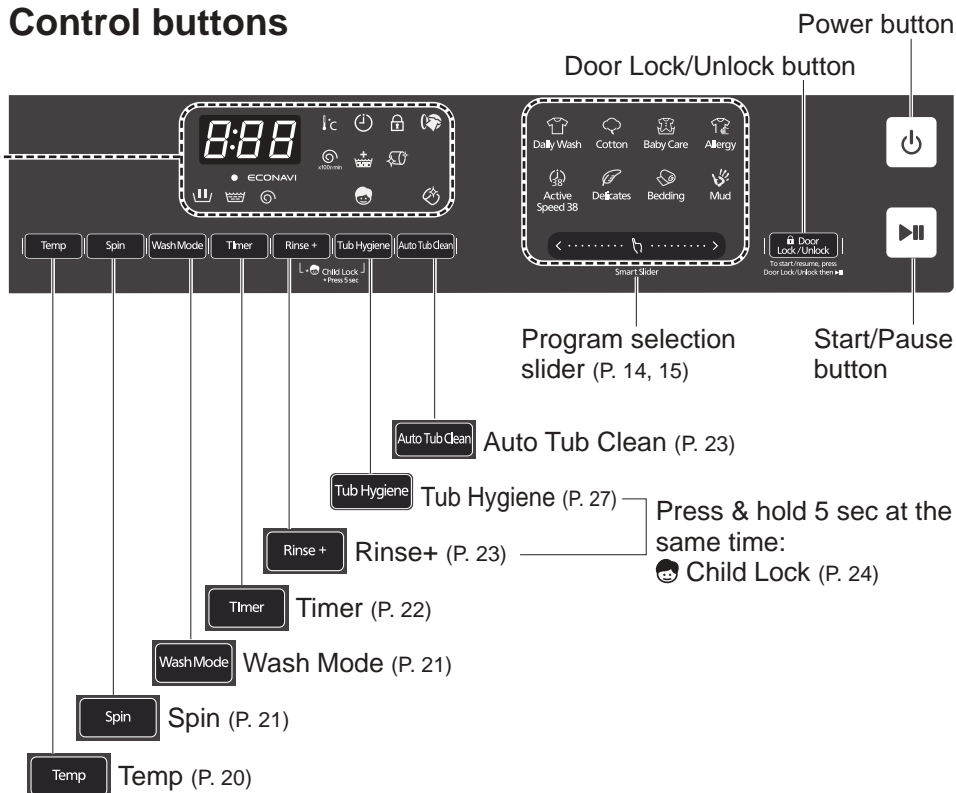


Control Panel

Display



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

- Turn off back on (3 sec.) On
 - No operation auto power off (Not pressed) Auto Power off 10 min.
- In case of a power failure
 - ▶ When the power recovers, operation resumes from where it stopped. (Auto Restart)

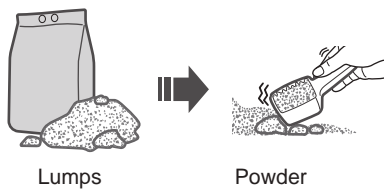
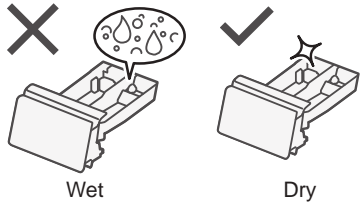
Detergent

● Follow the instructions on each package.

Detergent

Use a low foam detergent.

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



Detergent

Powder detergent

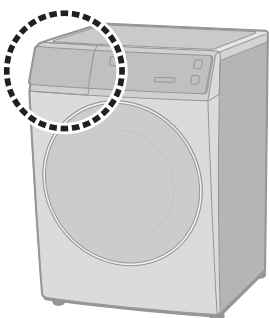
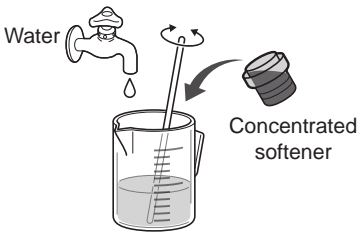
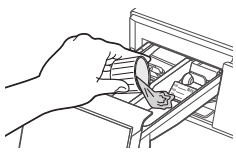
Liquid detergent



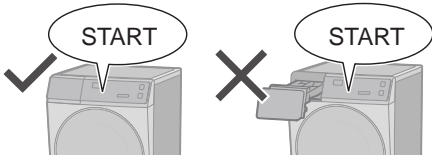
Bleach

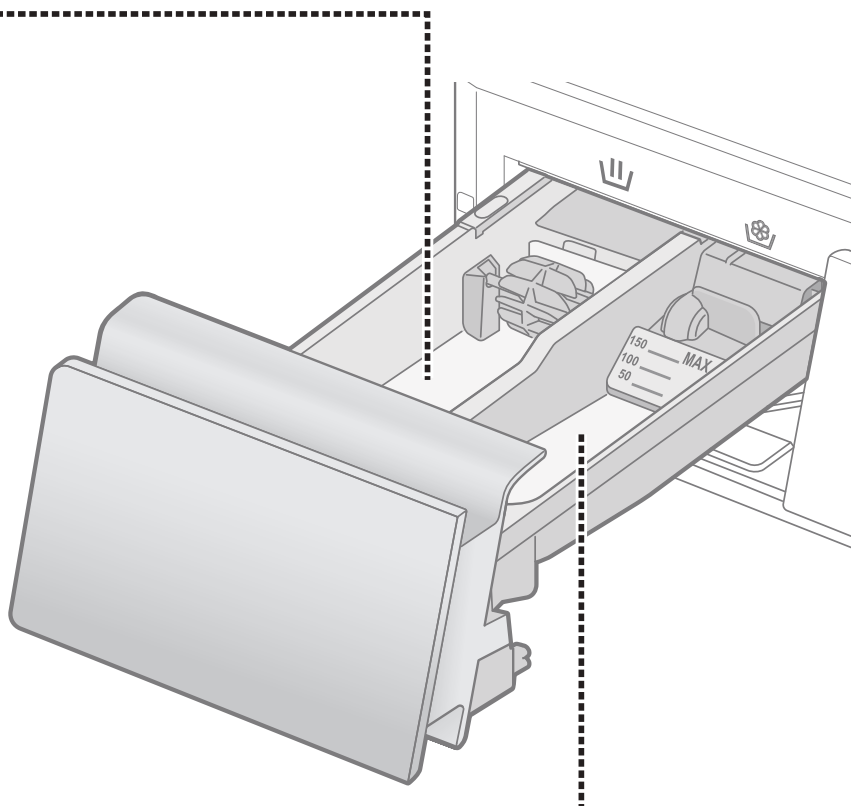


Fabric softener



NOTE

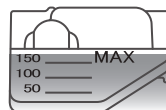
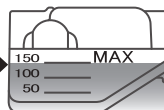




Fabric softener

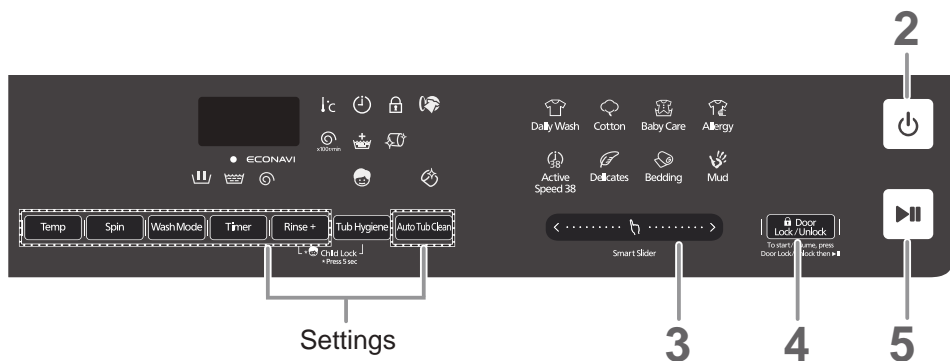


Max. 150 ml



Washing

Basic Method

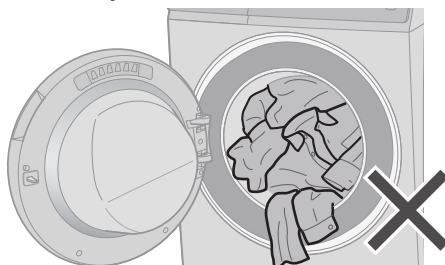


NOTE

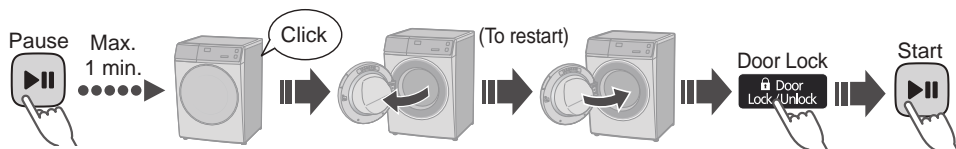
■ Do not let laundry get caught in the door.



■ Do not overfill the drum with laundry.



■ To open the door during operation
(You can add clothes when lit.)

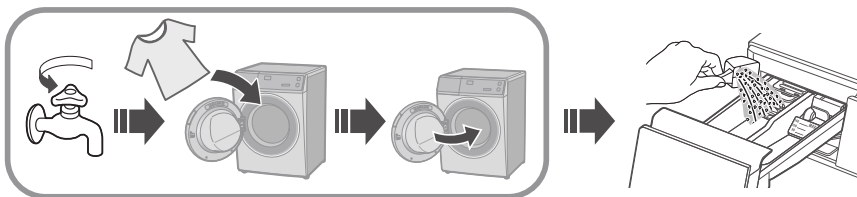


NOTE

● Door does not open ➡ (P. 30)



1



2



3



Select a program. (P. 14)

■ **Changing the settings.**

4



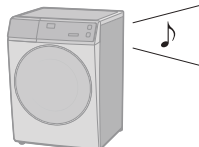
Measures the amount of laundry

(30 sec.)



Displays the time required (recalculated)

(e.g.)



Settings



Temp
(P. 20)



Spin
(P. 21)



Wash Mode
(P. 21)



Timer
(P. 22)



Rinse+
(P. 23)



Auto Tub Clean
(P. 23)

NOTE

- Door Lock but not start ➡ Door Unlock



(Not pressed (Start))

Door Lock



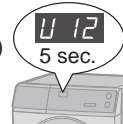
Door Unlock
58 sec.

- Start but not Door Lock ➡ Display U12 for 5 sec. After U12 error, proceed from Step 4.

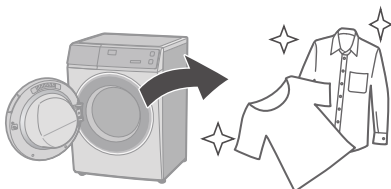


(Not pressed (Door Lock/Unlock))











Start











5












Program List

Program	Description	Max load (kg)		Total time
		V10FA1	V90FA1	
 Daily Wash	<ul style="list-style-type: none"> ● Everyday clothes (Quicker than “Cotton” program) 	10.0	9.0	1:30
 Cotton	<ul style="list-style-type: none"> ● Everyday clothes 	10.0	9.0	6:05 (NA-V10FA1) 6:00 (NA-V90FA1)
 Baby Care	<ul style="list-style-type: none"> ● Clothes for babies & sensitive skin Rinsing thoroughly 	5.0		2:20
 Active Speed 38	<ul style="list-style-type: none"> ● Small loads 	5.0		0:38
 Bedding	<ul style="list-style-type: none"> ● Large items 	3.0		1:30

Program	Description	Max load (kg)		Total time
		V10FA1	V90FA1	
 Delicates	<ul style="list-style-type: none"> ● Washing gently 	2.0		0:50
 Allergy	<ul style="list-style-type: none"> ● For ticks and pollen 	10.0	9.0	3:15
 Mud	<ul style="list-style-type: none"> ● Mud stains 	10.0	9.0	3:30
 Tub Hygiene	<ul style="list-style-type: none"> ● Cleaning the drum. 	None		3:45









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

Details of Programs

<div>Settings</div> <div>Program</div>	Auto setting		
	Temp (°C)	Spin (r/min)	
 Daily Wash	40	1200	
 Cotton	40	1400	
 Baby Care	40	1400	
 Active Speed 38	40	1200	
 Bedding	Cold	700	
 Delicates	30	500	
 Allergy	90	1200	
 Mud	40	1200	
 Tub Hygiene	40	1200	

NOTE

- “Cotton, 60 °C, 1400 r/min” is recommended for normally soiled cotton load as the most efficient energy and water saving program based on AS/NZS 2040.1, AS/NZS 2040.2, AS/NZS 6400.
- 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.

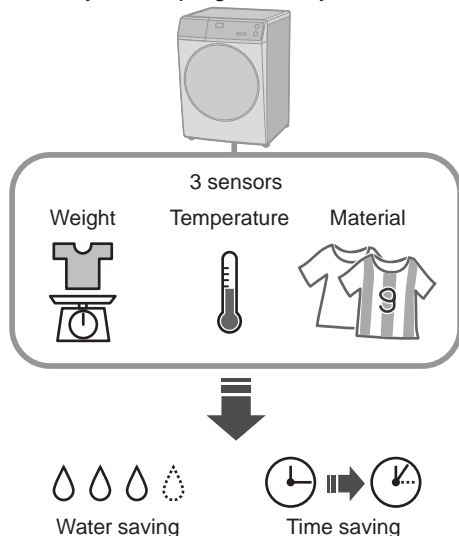
Setting range		Optional functions			
Temp (°C)	Spin (r/min)	Wash Mode	Timer	Rinse+	Auto Tub Clean
Cold, 30, 40, 60	 , 500, 700, 1200, 1400	✓	✓	✓	✓
Cold, 30, 40, 60	 , 500, 700, 1200, 1400	✓	✓	✓	✓
Cold, 30, 40, 60	 , 500, 700, 1200, 1400	✓	✓	✓	✓
Cold, 30, 40	 , 500, 700, 1200, 1400	✓	✓	—	✓
Cold, 30	 , 500, 700	✓	✓	✓	—
Cold, 30, 40	 , 500	✓	—	✓	—
60, 90	 , 500, 700, 1200	—	✓	✓	✓
40	 , 500, 700, 1200, 1400	✓	✓	✓	✓
40	1200	—	—	—	—

 : Drain only (No spin)

Washing Tips

ECONAVI

- “Daily Wash” programs only



■ Lamp indications



Detecting



ECONAVI enabled



ECONAVI disabled

Delicates

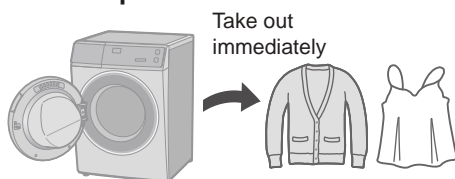
■ When washing

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

NOTE



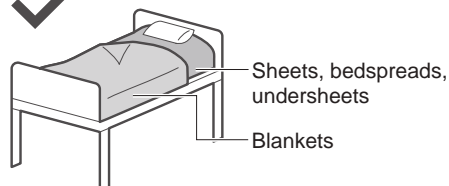
■ After operation ends



Bedding

■ Washable items

- (Wash) ● (Handwash)
- 100 % cotton or 100 % synthetic



■ Not washable items



Electric blankets



Wool



Silk

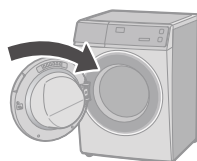


Long pile

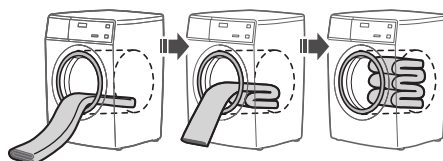
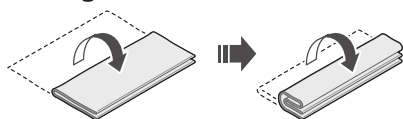


Fake fur

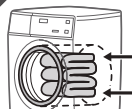
NOTE



■ Putting blankets into the drum



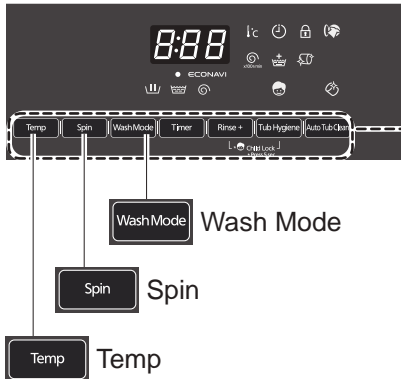
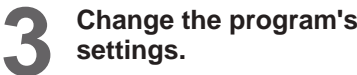
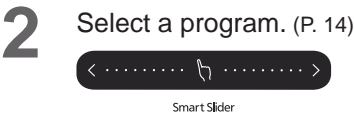
NOTE



Changing Program Settings

■ Preparing

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



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







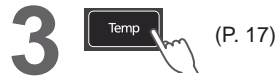
Temp

Change the washing temperature.



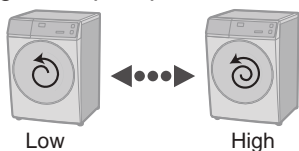
■ Setting guide

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







r/min **Spin**

Change the spin speed.



■ Setting guide

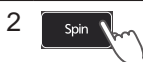
 <p>Low</p>	 <p>High</p>
<p>● To reduce wrinkling</p> 	<p>● To dry more thoroughly</p> 

3



(P. 17)

■ To change the setting while washing









Wash Mode

Select a combination of wash, rinse and spin.



3



 *1	Wash
 *2	Rinse
 *2	Spin
	Wash and rinse
	Wash and spin
 *2	Rinse and spin

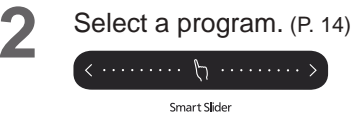
*1 Water is drained after wash process.

*2 Drains first if there is water in the drum.

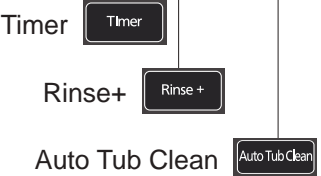
Changing Program Settings (continued)

■ Preparing

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



3 Change the program's settings.

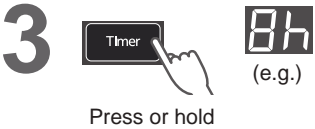
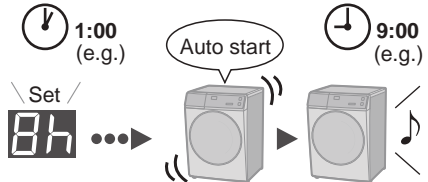


- Available options and setting ranges are different depending on the program. (P. 16)
- An alarm sounds if you select an option that is unavailable.



⌚ Timer

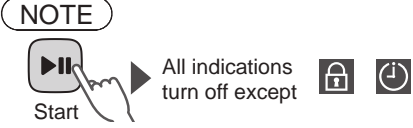
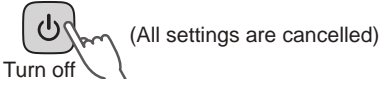
Set how many hours later to finish operation. (Up to 24 hours)



■ To check a preset time



■ To cancel settings



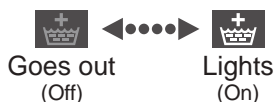
- Not available: P. 17

Rinse+

Add an extra rinse.



3



■ To change the setting while washing



1



2



3



4

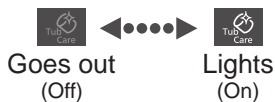


Auto Tub Clean

Add tub cleaning process.



3

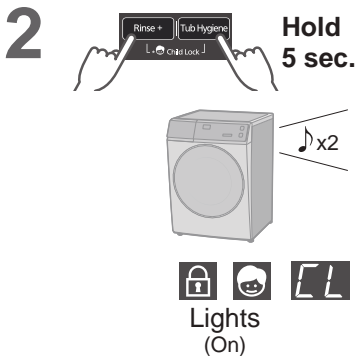
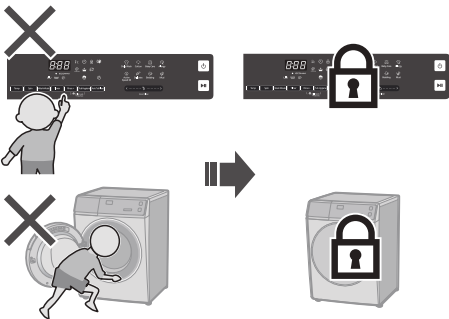


NOTE

- The setting is memorized.

Changing Appliance Settings

Setting the Child Lock

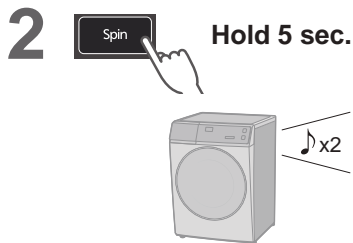


■ **To cancel:**

Same procedure



Cancelling the buzzer



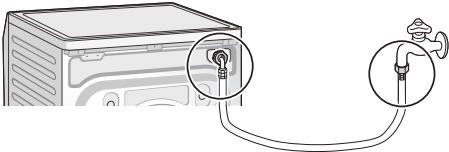
■ **To reset:**

Same procedure



Maintenance

Water supply filter

If water does not flow smoothly




1



Empty

2



On

3



Select Daily Wash

4



Door Lock

5



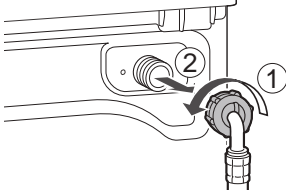
Start 1 min. Turn off

6

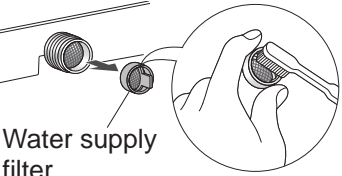


Remove and clean the filter

7

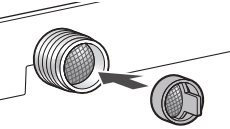


8

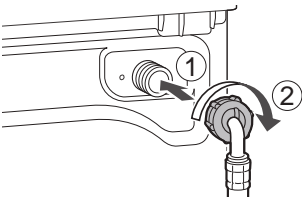


Water supply filter

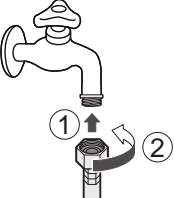
9



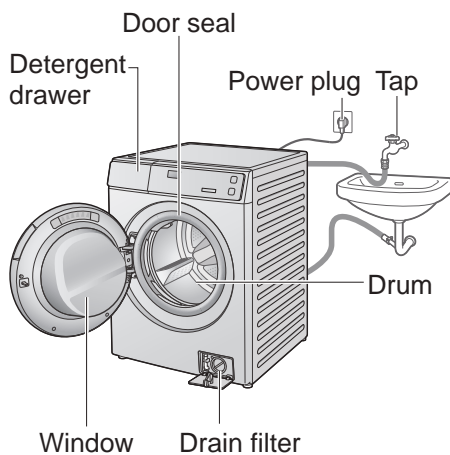
10



11



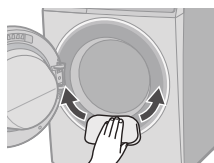
Maintenance (continued)



Appliance



Door seal



For heavy soil

Mild kitchen detergent

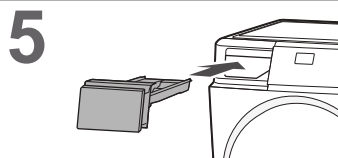
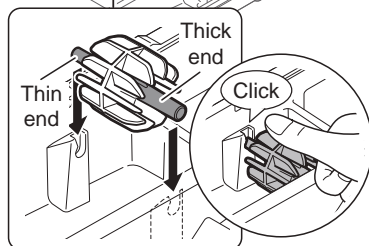
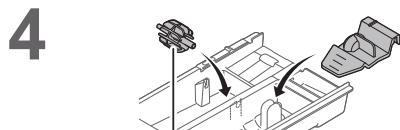
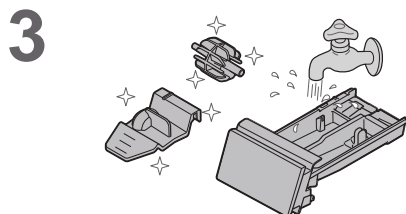
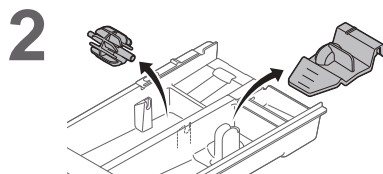
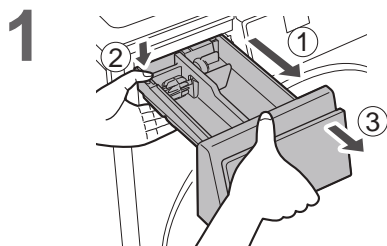


NOTE




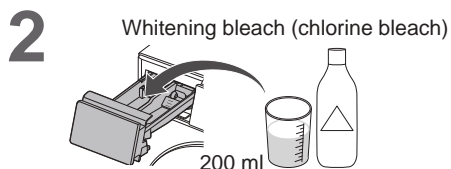
- Do not use gritty cleaners or thinners, or products containing alcohol or paraffin oil.

Detergent drawer




Drum

Once a month or if  flashes
<Tub Hygiene>



NOTE

- If the “Tub Hygiene” program is not run, the indicator  goes off when other program is run 3 times.

Maintenance (continued)

Drain filter

Once a month

Be sure to drain water in the drum before this procedure.



CAUTION



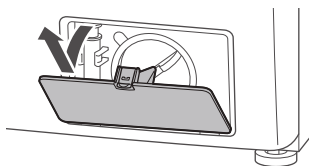
Hot water
(possibly scalding water)

1

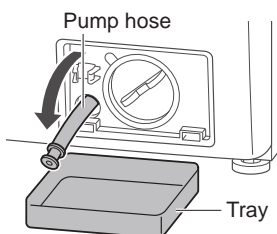


Turn off

2



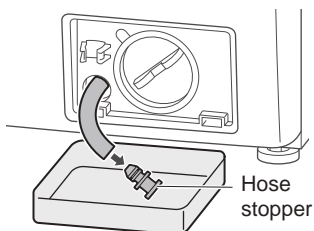
3



Pump hose

Tray

4

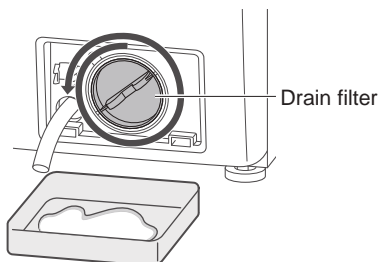


Hose stopper

5

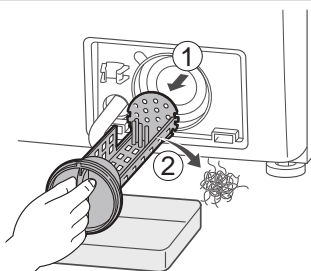


6



Drain filter

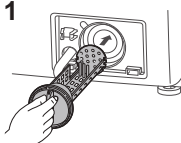
7



8

Replace

1



2 Until it is in place




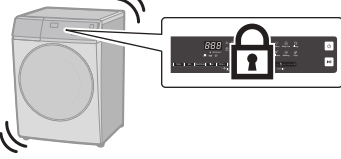

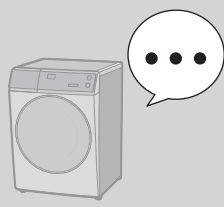




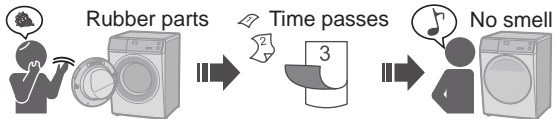

3





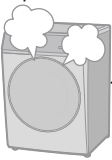


















4


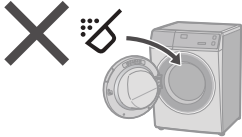
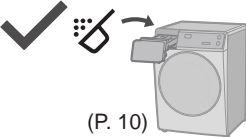





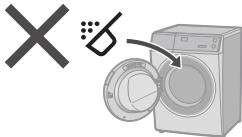
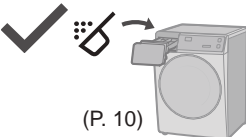
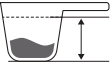




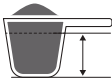






Troubleshooting

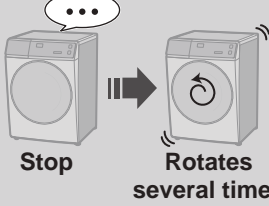
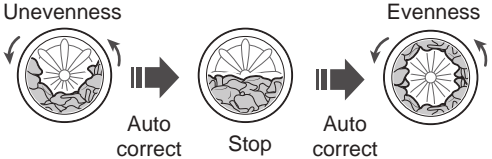
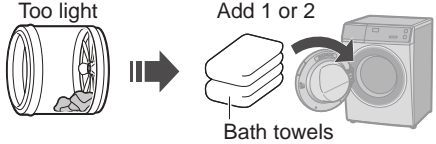
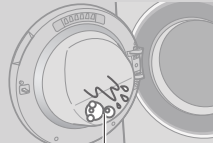
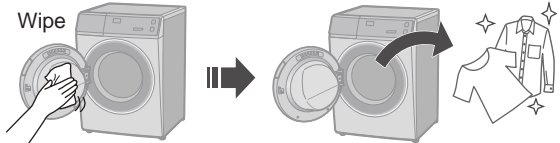

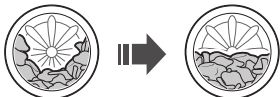

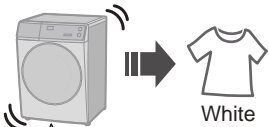

	Symptoms	Points to be checked
Main unit	<p>Touch the buttons</p> 	<p><input type="checkbox"/> Possible cause</p> <ul style="list-style-type: none"> ● During an operation  <p><input type="checkbox"/> Try</p> <ul style="list-style-type: none"> ● Child Lock (P. 24) 
	<p>No operation</p> 	<p><input type="checkbox"/> 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.  <p>① (30 sec.)</p> <p>②</p> <ul style="list-style-type: none"> ● Press "Door Lock" then "Start". ● Turn the breaker on. 
	<p>Odour of rubber</p> 	<p><input type="checkbox"/> Possible cause</p>  <p><input type="checkbox"/> Try</p> <p>Tub Hygiene</p>  <p>Tub Hygiene (P. 27)</p>








Troubleshooting (continued)

	Symptoms	Points to be checked
Main unit	<p>Door does not open</p> 	<p><input type="checkbox"/> Possible cause</p> <ul style="list-style-type: none"> ● During an operation  <p>Door is locked. To open the door during operation (P. 12)</p> <p><input type="checkbox"/> Check</p> <ul style="list-style-type: none"> ● Temperature  <p>High</p>  <ul style="list-style-type: none"> ● Water level <p>High</p>  <p><input type="checkbox"/> Try</p> <ul style="list-style-type: none"> ● Child Lock (P. 24)  <ul style="list-style-type: none"> ● Door Lock  press   <ul style="list-style-type: none"> ● During an operation <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>1</p>  <p>Turn off</p> </div> <div style="text-align: center;"> <p>2</p>  <p>On</p> </div> <div style="text-align: center;"> <p>3</p>  <p>Wash Mode (P. 21)</p>  <p>Spin</p> </div> <div style="text-align: center;"> <p>4</p> <p>Open</p>  </div> </div> <p>NOTE</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Power cut</p> </div> <div style="text-align: center;">  <p>Restored</p> </div> </div> <p>Door is locked   Door is locked</p>   

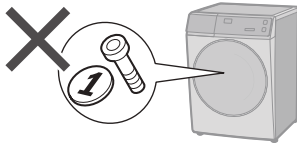
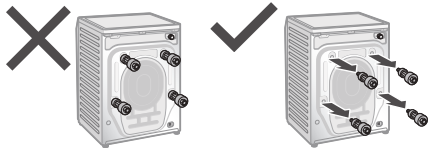

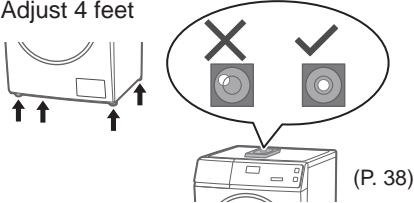


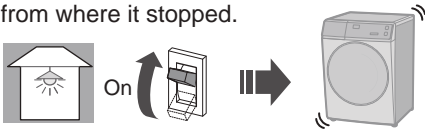
	Symptoms	Points to be checked
Detergent and foam	After washing 	<input type="checkbox"/> Check   (P. 10)
	 Foam	<input type="checkbox"/> Possible cause <ul style="list-style-type: none"> • The amount of foam varies. • Temperature • Water level • Water softness   
	Not enough 	<input type="checkbox"/> Check <ul style="list-style-type: none"> • Powder detergent   (P. 10) <ul style="list-style-type: none"> • Too little detergent • Low foam detergent • Heavily soiled • Load too large    
	Too much 	<input type="checkbox"/> Check <ul style="list-style-type: none"> • Too much detergent 
Wash	During a wash  Water drainage	<input type="checkbox"/> Possible cause <div> <div> Excess foam  Foam </div> <div> ⇒  Auto drainage </div> <div> ⇒  Auto water supply </div> </div>

Troubleshooting (continued)




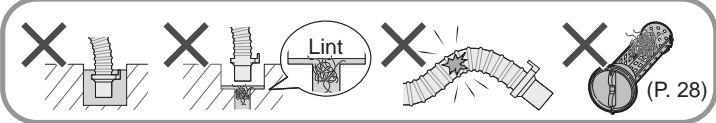





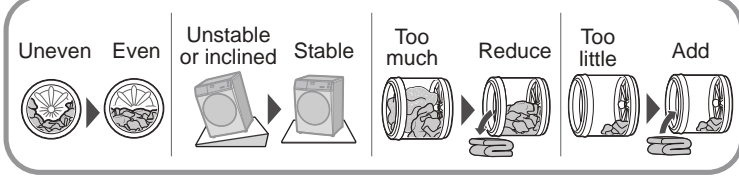




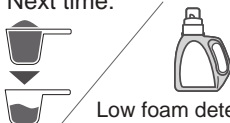



	Symptoms	Points to be checked
Rinse/Spin	<p>During the spin process</p>  <p>Stop → Rotates several times</p>	<p><input type="checkbox"/> Possible cause</p> <p>Unevenness</p>  <p>Auto correct → Stop → Auto correct</p> <p>Evenness</p> <p><input type="checkbox"/> Try</p> <p>Too light</p>  <p>Add 1 or 2 Bath towels</p>
	<p>After washing</p>  <p>Foam or water</p>	<p><input type="checkbox"/> Try</p> <p>Wipe</p> 
Laundry	<p>Spin changes to rinse</p>  <p>Spin → Rinse</p>	<p><input type="checkbox"/> Possible cause</p> <ul style="list-style-type: none"> ● If clothes are uneven, this appliances automatically corrects unevenness using the rinse process. 
	<p>If the laundry yellows</p>  <p>Yellow</p>	<p><input type="checkbox"/> Try</p>  <p>White</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">  <p>Temp 60 °C</p> </div>

	Symptoms	Points to be checked
Time	During a wash Displayed time  Changes	<input type="checkbox"/> Possible cause <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 changed  ● If clothes are uneven  <p>➡ The remaining time may increase.</p>
	During water drainage 	<input type="checkbox"/> Possible cause <ul style="list-style-type: none"> ● This is normal. The drain pump is working.
Noise	Sound of fan rotating 	<input type="checkbox"/> Possible cause <ul style="list-style-type: none"> ● This is normal. The fan cools electric parts.
	Motor emits a sound 	<input type="checkbox"/> Possible cause <ul style="list-style-type: none"> ● This is normal. The motor will make a short sound when the drum engages.

Troubleshooting (continued)

	Symptoms	Points to be checked
Noise	Unusual noise (or vibration)	<input type="checkbox"/> Check <ul style="list-style-type: none"> ● Metal items  ● Anchor bolts (P. 38)  ● Slope or an unstable surface  ● Adjust 4 feet  (P. 38)
Others	Power cut  Breaker Off 	<input type="checkbox"/> Check <ul style="list-style-type: none"> ● When the power recovers, operation resumes from where it stopped. 

Error Display

Error Display	Points to be checked			
<div>U 11</div> <div>Unable to drain</div>	<div>1 Check</div> 	<div>2</div> 	<div>3</div> <div>Door Lock/Unlock</div> <div>Door Lock</div> <div>Start</div> 	 <div>(P. 28)</div>
<div>U 12</div> <div>Door is open</div>	<div>1</div> 	<div>2</div> <div>Door Lock/Unlock</div> <div>Door Lock</div> <div>Start</div> 		
<div>U 13</div> <div>Unable to spin / dry</div>	<div>1</div> 	<div>2 Check</div>	<div>3</div> 	<div>4</div> <div>Door Lock/Unlock</div> <div>Door Lock</div> <div>Start</div> 
<div>Uneven Even</div> <div>Unstable or inclined Stable</div> <div>Too much Reduce</div> <div>Too little Add</div> 				
<div>U 14</div> <div>Unable to supply water</div>	<div>1 Check</div>	<div>2</div> 	<div>3</div> <div>Door Lock/Unlock</div> <div>Door Lock</div> <div>Start</div> 	<div>Water outage</div> <div>Turned off</div> <div>Water supply filter (P. 25)</div> 
<div>U 17</div> <div>Unable to spin</div>	<div>1 Restart</div> <div>Turn off</div> <div>On</div> 	<div>2 Run Rinse and Spin of "Active Speed 38" program</div>	<div>Next time:</div> <div>Low foam detergent</div> 	
<div>H 00</div>	<div>1</div> 	<div>2</div> 	<div>3</div> 	

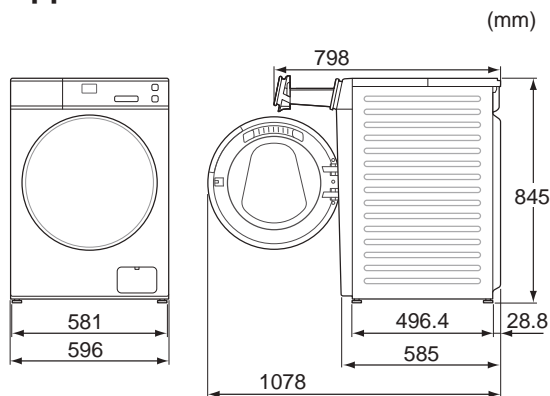
Choosing the Right Location



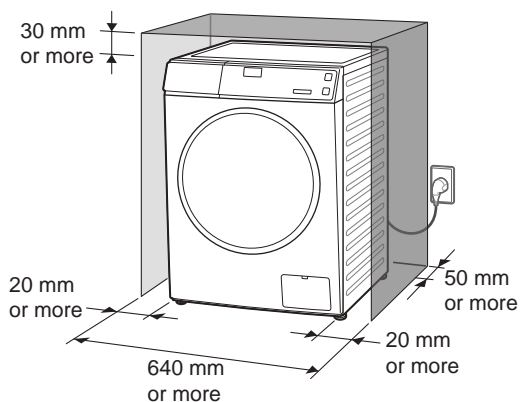
Make sure to ask a service person for installation.

- 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

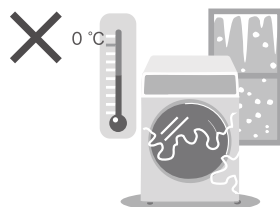
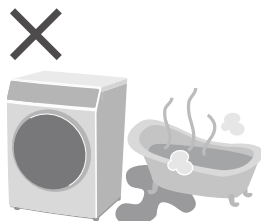


■ Set-in installation



- Do not let the metallic portions of the appliance come into contact with metal sinks or other appliances.

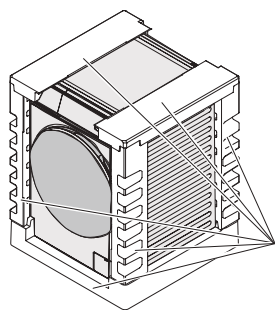
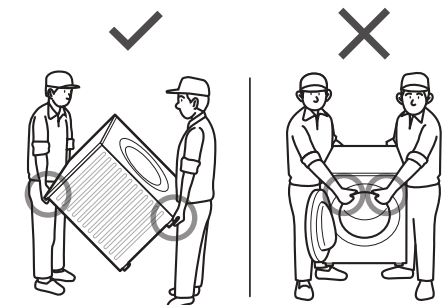
Check the location.



Moving and Installing

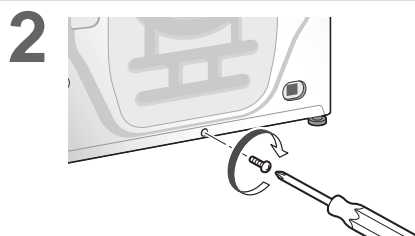
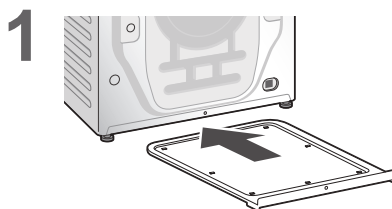
Carrying the appliance

Do not do it alone.

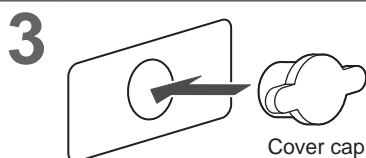
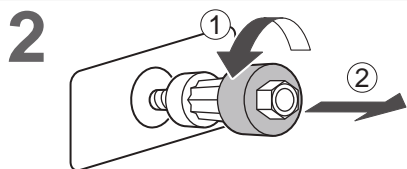
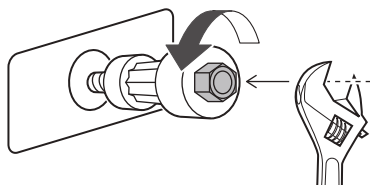
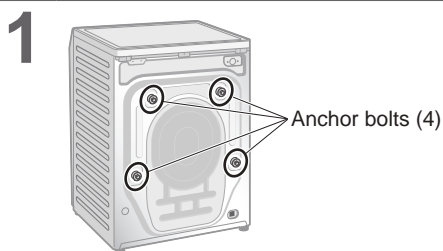


Remove all packing cushions before starting to use the appliance.

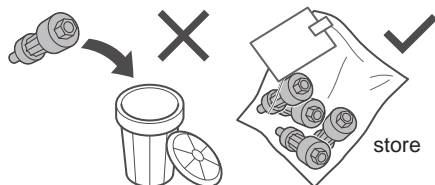
Installation of bottom cover



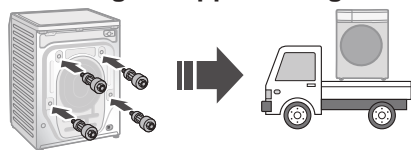
Removing the anchor bolts



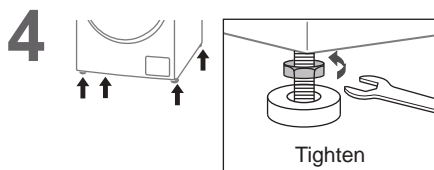
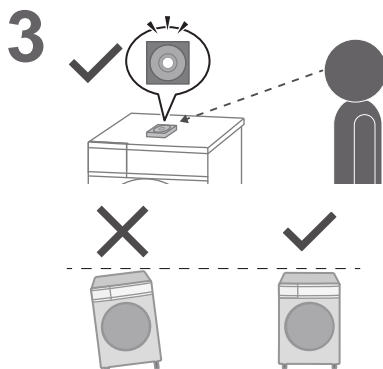
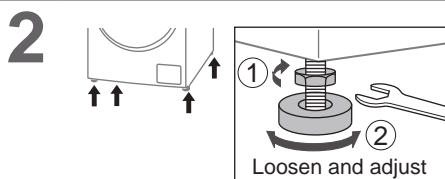
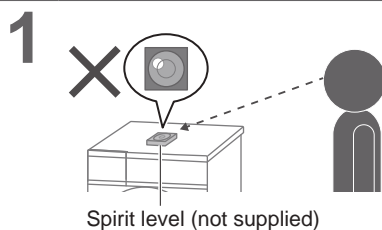
NOTE



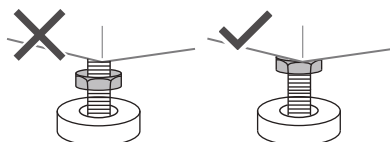
■ Moving the appliance again



Levelling the appliance



NOTE



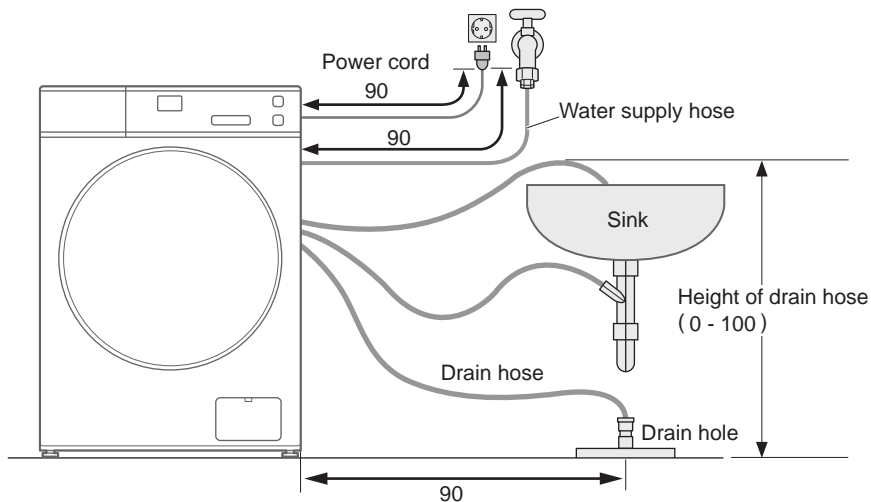
Connecting the Hoses

Connect the hoses properly to prevent water leaks.

Maximum connection distances for hoses and the power cord

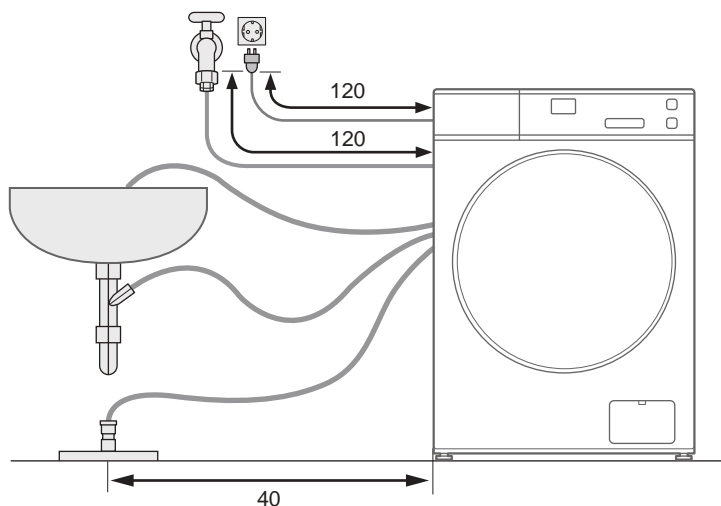
Right side connection

(cm)



Left side connection

(cm)



Connecting the Hoses (continued)

Water supply hose

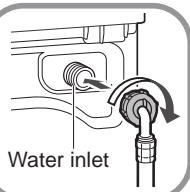
■ Connecting the water supply hose



CAUTION

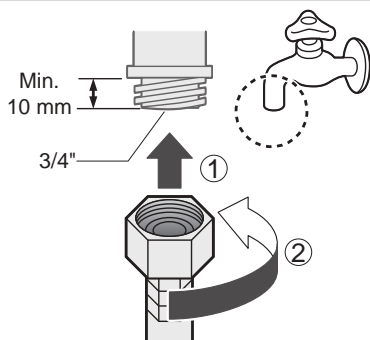
- Tighten the nut firmly.
- Do not twist, squash, modify or cut the hose.

1

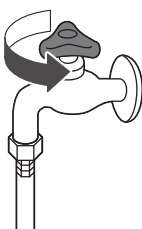


Water inlet

2



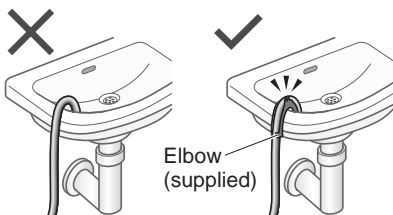
3



Drain hose

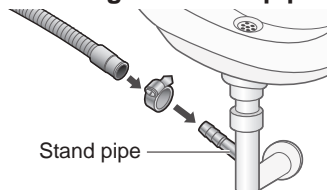
■ Draining to a sink or wash basin

NOTICE



Elbow (supplied)

■ Draining to a stand pipe

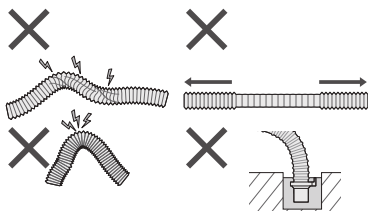


Stand pipe

■ Draining to a drain hole

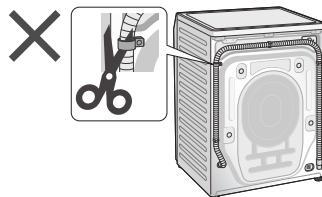


NOTE



NOTE

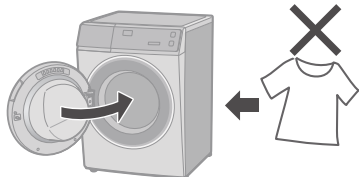
- Do not cut/remove this belt. Otherwise the machine will display U14. (P. 35)



1



2



3



4



Smart Slider



Active Speed 38

5



Checking after test run

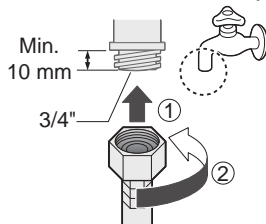
Problem

Causes and Measures

Water leaks



Connect the water supply hose properly

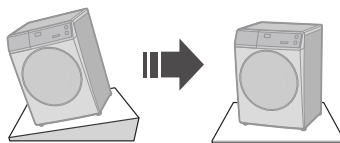


Abnormal
sounds

- Remove the anchor bolts (P. 38)



- Install stably



Error display



See P. 35.

Specifications

	NA-V10FA1	NA-V90FA1
Rated voltage (V)	220 - 240	
Rated frequency (Hz)	50	
Maximum energy rated power input (W)	1600 - 1900	
Heating energy rates power input (W)	1445 - 1710	
Maximum spin speed (r/min)	1400	
Product dimensions (W x D x H) (mm)	596 × 585 × 845	
Product weight (kg)	68	
Maximum mass of dry cloth (Wash) (kg)	10.0	9.0
Pressure of tap water (MPa)	0.01 - 1	



