

Panasonic®

Operating & Installation Instructions

Washing Machine (Household Use)

Model No. **NA-V115FA1 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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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.

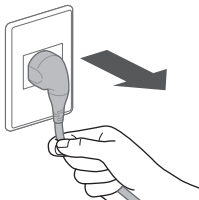


May cause fire or electric shock

Do not touch it
with wet hands.



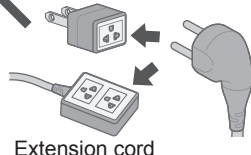
Do not hold or
pull on the cord.



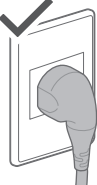
Do not use.



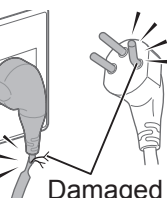
Plug adaptor



Fully insert it.

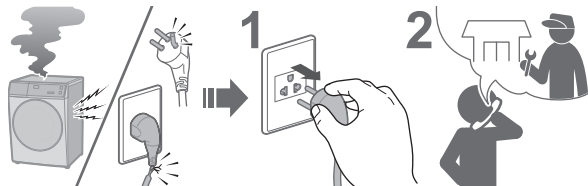


Do not use.

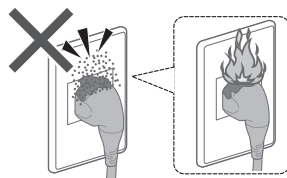


- If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

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



Accumulated dust may cause fire.



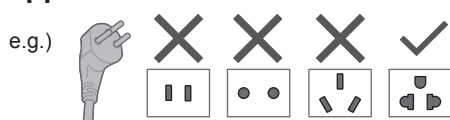
**Securely insert the ground prong.
Ask the electrical technician for a new socket.**



Wipe the power plug periodically.

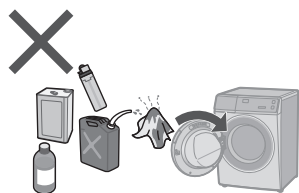


Use a socket appropriate for this appliance.



- 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.



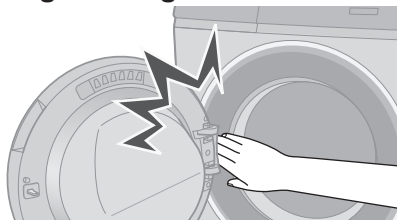
Safety Precautions (continued)



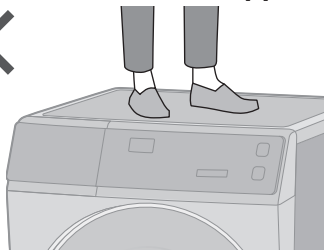
CAUTION

May cause injury

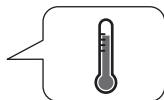
Be careful not to get your fingers caught.



Do not climb on the appliance.



Do not touch when it is hot.

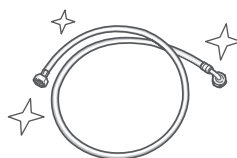


May cause water leakage

Turn off the water faucet.



Use new hose-sets.

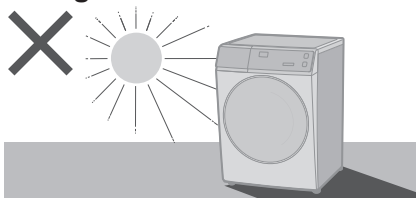


- New hose-sets supplied with the appliance are to be used and old hose-sets should not be reused.

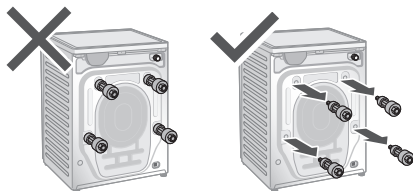
■ For maximum mass of dry cloth and pressure of tap water, see P. 42.

May cause failure

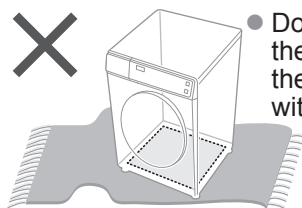
Keep away from heat and direct sunlight.



Remove anchor bolts before operation.



Do not obstruct.

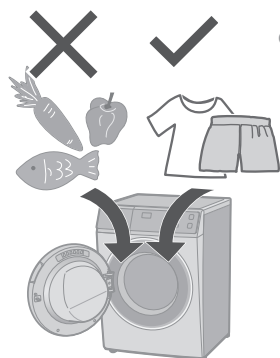


- Do not obstruct the openings of the bottom face with carpet, etc.

Do not use hot water.



For machine-washable items only.



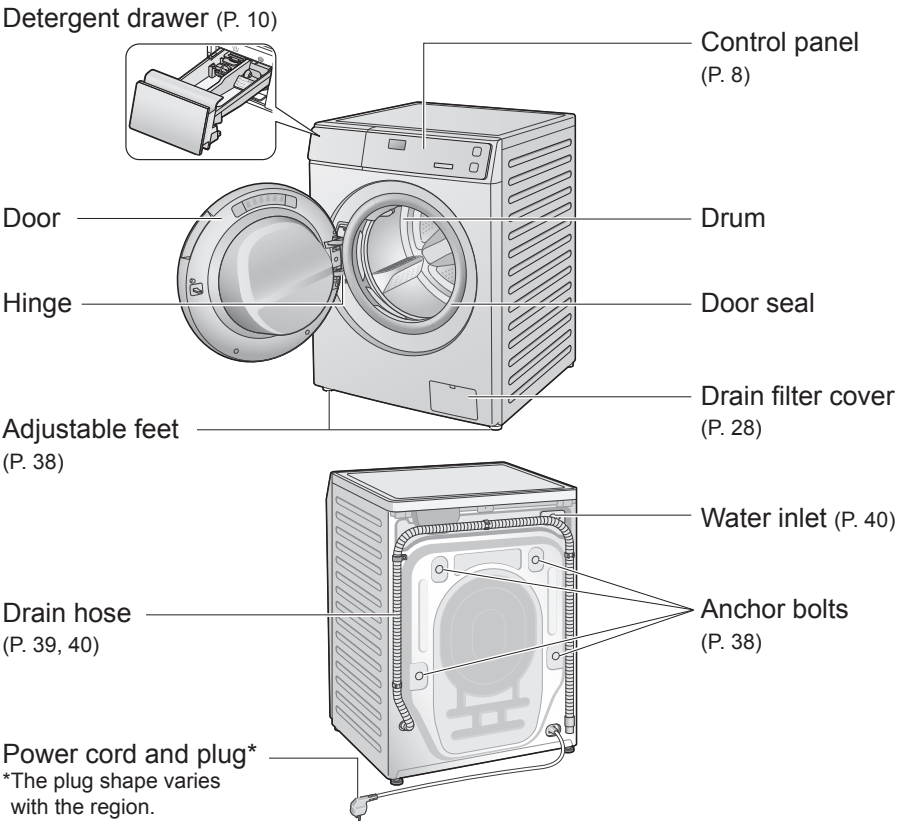
- This appliance is intended to be used in household. This appliance is not intended to be used in applications such as:
 - staff kitchen areas in shops, offices and other working environments;
 - farm houses;
 - by clients in hotels, motels and other residential type environments;
 - bed and breakfast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

Do not wash excessively oily clothes.

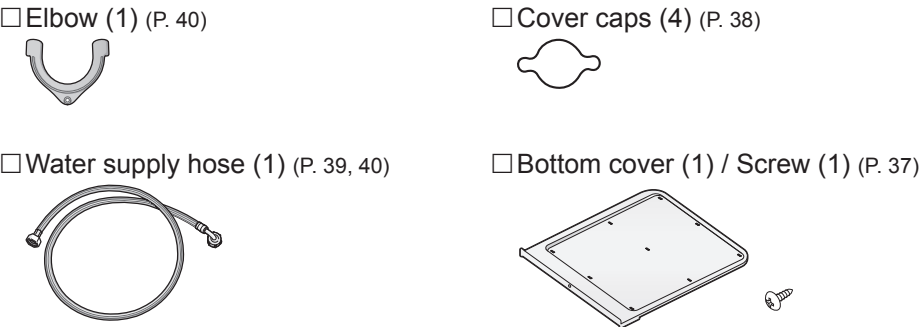


Checking Your Washing Machine

Part names



Accessories

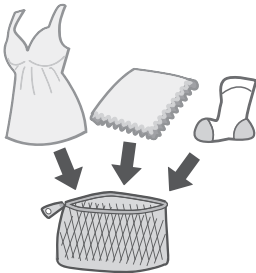
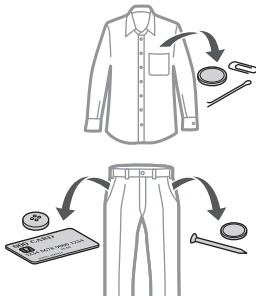


Before Washing

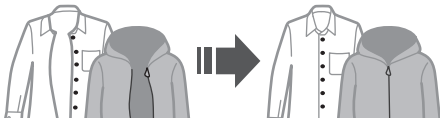
Preparing laundry

Before put clothes in drum

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

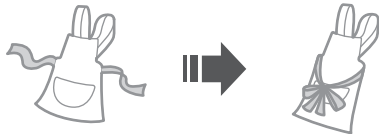
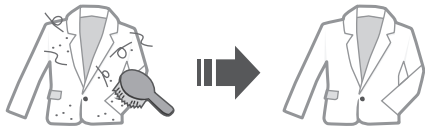


Pre-laundry check



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.



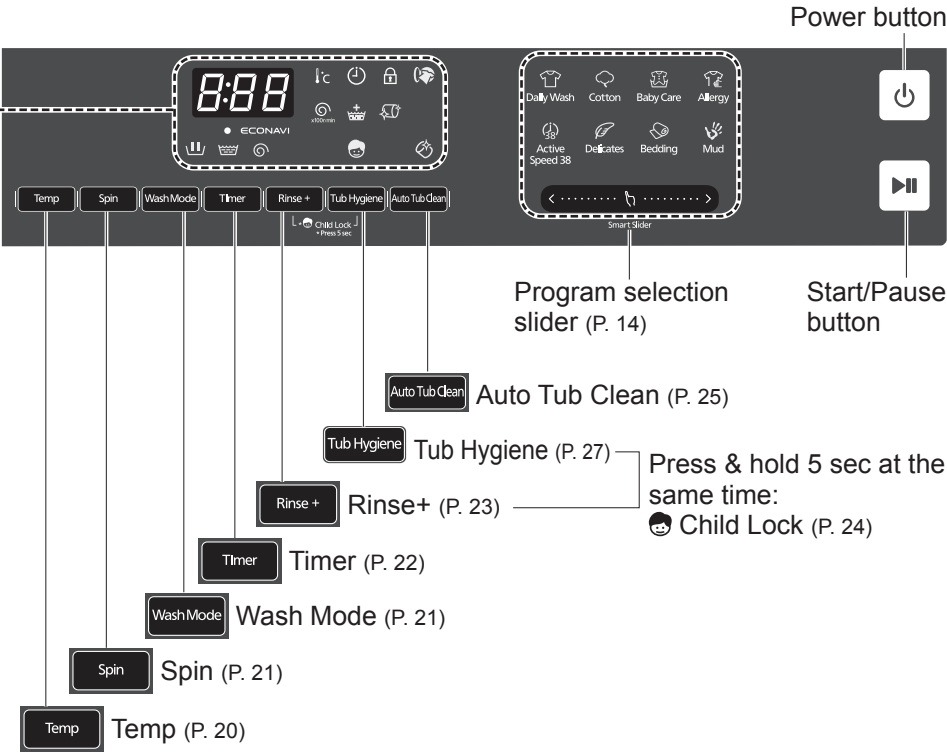
Display

The diagram shows a washing machine display panel with the following components and functions:

- Remaining time:** A digital display showing the time left for the cycle (e.g., 1:15).
- Error display:** A display showing error codes (e.g., U11) with a left arrow and a right arrow.
- Lock:** A lock icon indicating the door is locked.
- Child Lock:** A lock icon with a child's head, indicating the door and buttons are all locked (Child Lock).
- Wash lamp:** A lamp icon indicating the door is open and clothes can be added.
- Optional function lamp:** A lamp icon indicating an optional function is active.
- ECONAVI lamp:** A lamp icon indicating the ECONAVI function is active.
- Process:** A series of icons indicating the current wash process: Wash, Rinse, and Spin.
- Water temperature:** A water drop icon with a thermometer, indicating the water temperature.
- Spin speed:** A spin icon with 'x1000/min', indicating the spin speed.

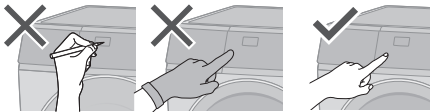
Icon	Function	Page Reference
	Water temperature	(P. 22)
	Spin speed	(P. 27)
	Wash	(P. 23)
	Rinse	(P. 23)
	Spin	

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 )
 - 10 min.
 - Auto Power off
- In case of a power failure
 - ▶ When the power recovers, operation resumes from where it stopped. (Auto Restart)

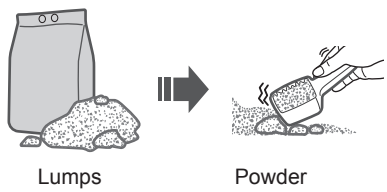
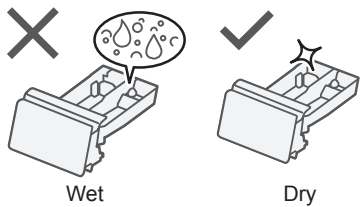
Detergent

● 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

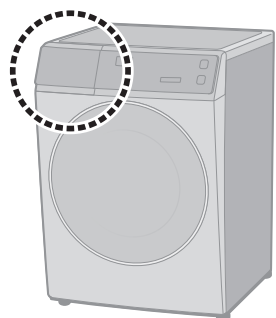
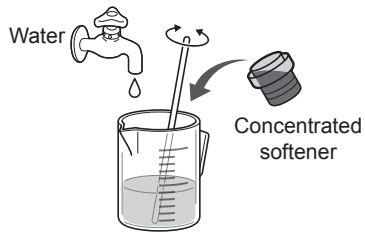
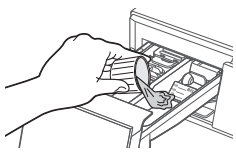
Liquid detergent



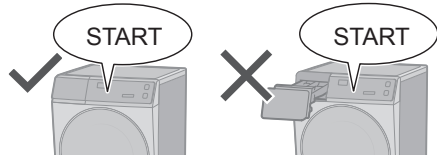
Bleach

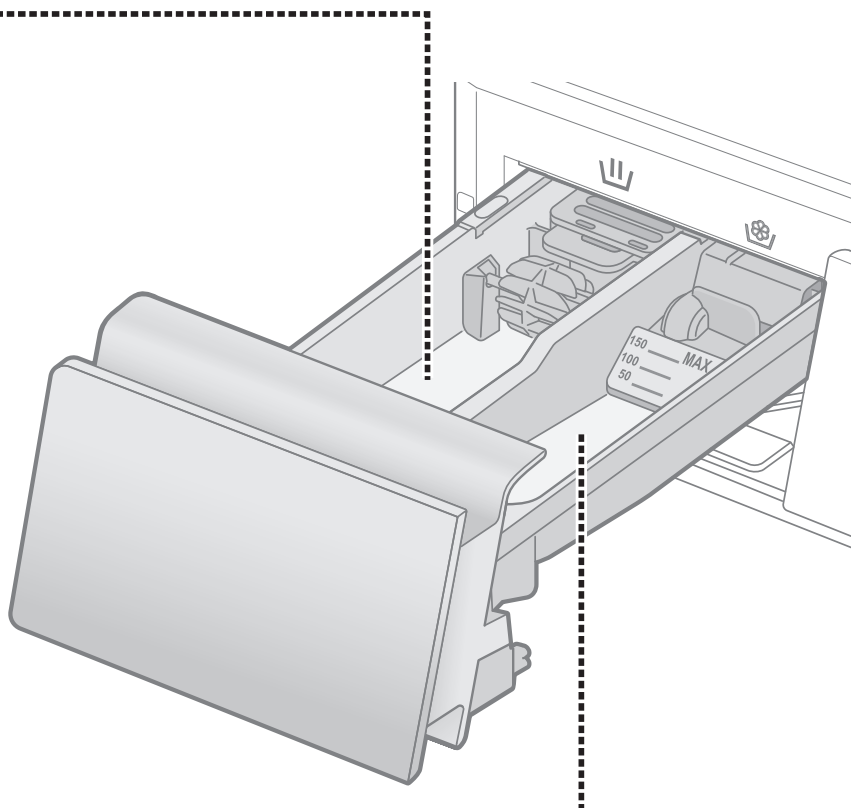


Fabric softener



NOTE

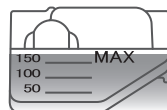
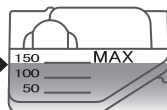




Fabric softener

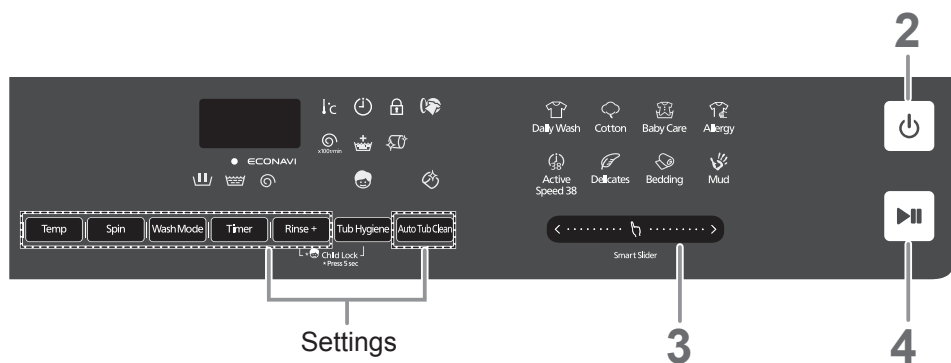


Max. 150 ml



Washing

Basic Method

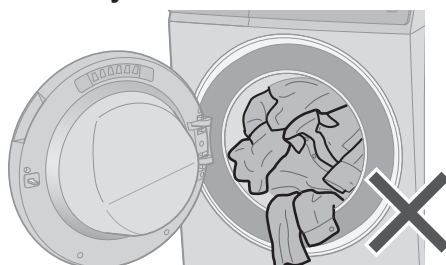


NOTE

■ Do not let laundry get caught in the door.



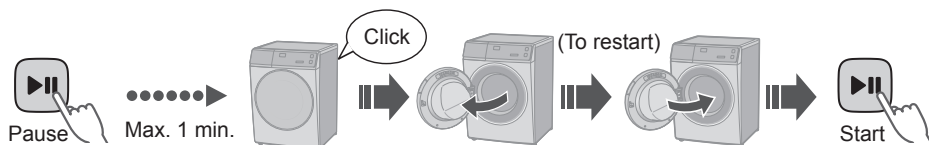
■ Do not overfill the drum with laundry.



■ To open the door during operation

● During washing

(You can add clothes when lit.)

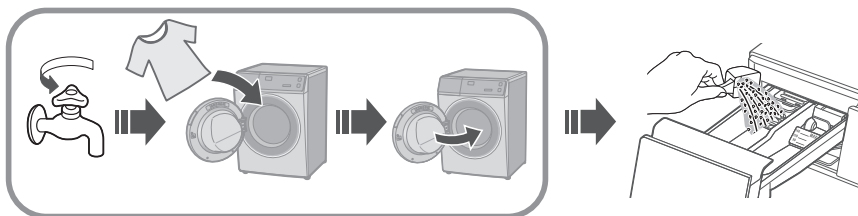


NOTE

● Door does not open ➡ (P. 30)



1



2



3



Select a program. (P. 14)

■ **Changing the settings.**

Settings



Temp
(P. 20)



Spin
(P. 21)



Wash Mode
(P. 21)



Timer
(P. 22)



Rinse+
(P. 23)



Auto Tub Clean
(P. 23)

4



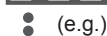
Measures the
amount of laundry



(30 sec.)



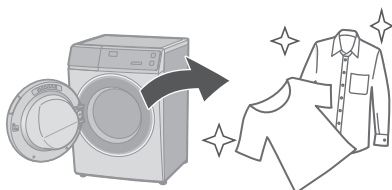
Displays the time required
(recalculated)



(e.g.)



5



Program List

Program	Description	Max load (kg)			Total time
		V115FA1	V10FA1	V90FA1	
 Daily Wash	● Everyday clothes (Quicker than "Cotton" program) 	11.5	10.0	9.0	1:30
 Cotton	● Everyday clothes 	11.5	10.0	9.0	2:54
 Baby Care	● Clothes for babies & sensitive skin - Rinsing thoroughly 	5.0			2:20
 Active Speed 38	● Small loads 	5.0			0:38
 Bedding	● Large items 	3.0			1:30

Program	Description	Max load (kg)			Total time
		V115FA1	V10FA1	V90FA1	
 Delicates	● Washing gently 	2.0			0:50
 Allergy	● For ticks and pollen 	11.5	10.0	9.0	3:15
 Mud	● Mud stains 	11.5	10.0	9.0	3:30
 Tub Hygiene	● 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

Settings Program	Auto setting		
	Temp (°C)	Spin (r/min)	
 Daily Wash	40	1200	
 Cotton	40	1200	
 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

- For normally soiled laundry at the rated capacity, we recommend using the “Cotton, 60 °C, 1400 r/min” which is tested in accordance with IEC 60456 for the energy and water efficiency aspects.
- 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.

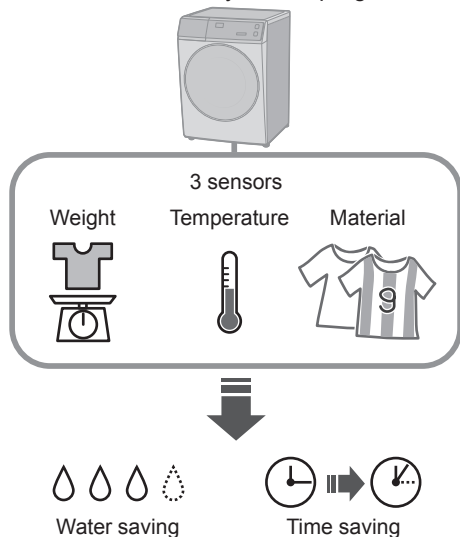
Setting range		Optional functions			
Temp (°C)	Spin (r/min)	Wash Mode	Timer	Rinse+	Auto Tub Care
Cold, 30, 40, 60	 , 500, 700, 1200, 1400	✓	✓	✓	✓
Cold, 30, 40, 60	 , 500, 700, 1200, 1400	✓	✓	✓	✓
Cold, 30, 40, 60	 , 500, 700, 1200, 1400	✓	✓	✓	✓
Cold, 30, 40	 , 500, 700, 1200, 1400	✓	✓	—	✓
Cold, 30	 ,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

 : Drain only (No spin)

Washing Tips

ECONAVI

- “Cotton” and “Daily Wash” programs



■ Lamp indications



Detecting



ECONAVI enabled



ECONAVI disabled

Delicates

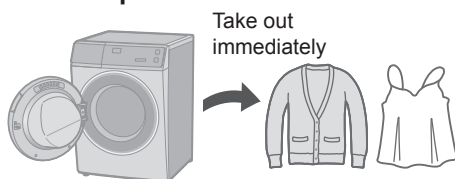
■ When washing

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

NOTE



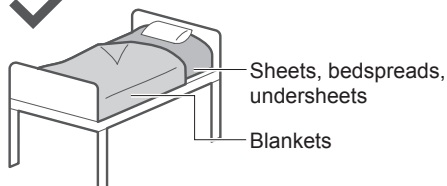
■ After operation ends



Bedding

■ Washable items

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



■ Not washable items



Electric blankets



Wool



Silk

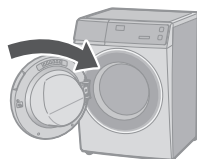


Long pile

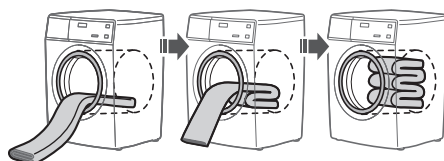
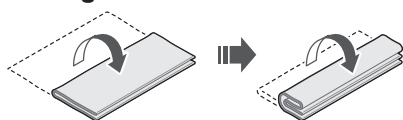


Fake fur

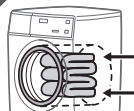
NOTE



■ Putting blankets into the drum



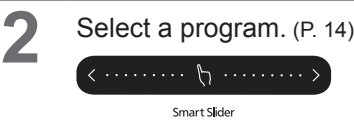
NOTE



Changing Program Settings

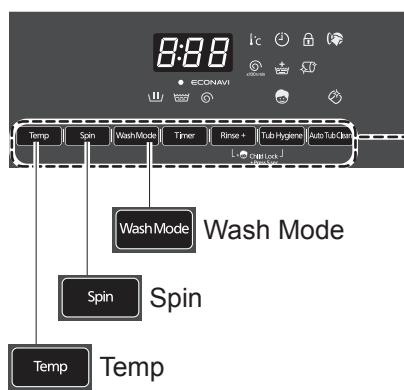
■ Preparing

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

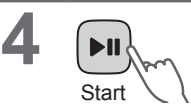


3

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.



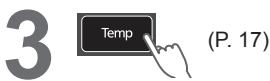
Temp

Change the washing temperature.



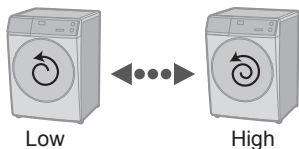
■ Setting guide

 Low	 High
● Colours 	● White 
● Lightly Soiled 	● Heavily Soiled 
● Easily shrinks	● Cotton



r/min Spin

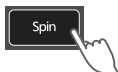
Change the spin speed.



■ Setting guide

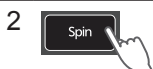
 Low	 High
● To reduce wrinkling 	● To dry more thoroughly 

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.



Timer



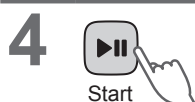
Rinse+



Auto Tub Clean

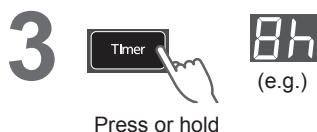
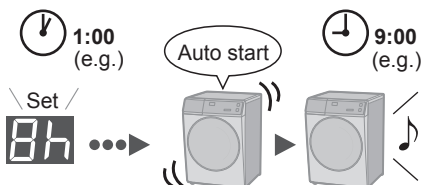


- Available options and setting ranges are different depending on the program. (P. 16)
- An alarm sounds if you select an option that is unavailable.



Timer

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



■ To check a preset time



■ To cancel settings



Turn off (All settings are cancelled)

NOTE



Start All indications turn off except



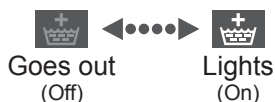
- Not available: P. 17

Rinse+

Add an extra rinse.



3



■ To change the setting while washing



1



2



3

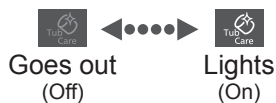


Auto Tub Clean

Add tub cleaning process.



3

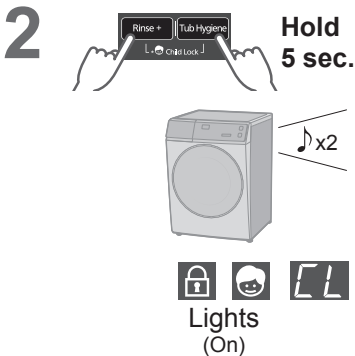
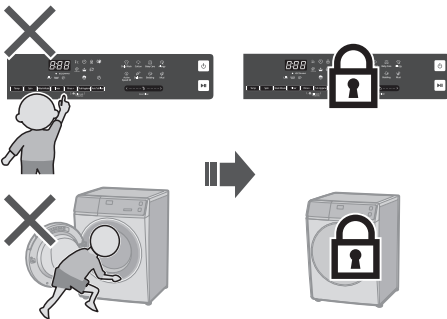


NOTE

- The setting is memorized.

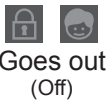
Changing Appliance Settings

Setting the Child Lock

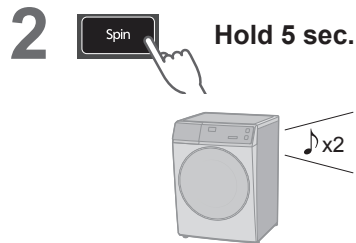


■ To cancel:

Same procedure  x4



Cancelling the buzzer



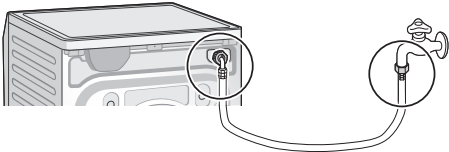
■ To reset:

Same procedure  x4

Maintenance

Water supply filter

If water does not flow smoothly



1



Empty

2



On

3



Select

Daily Wash

4

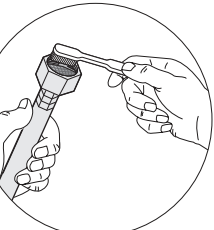


Start

1 min.

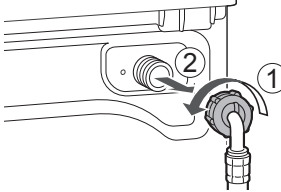
Turn off

5

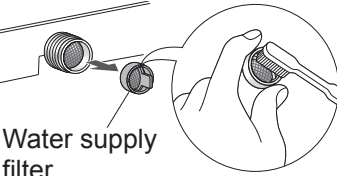


Remove and clean the filter

6

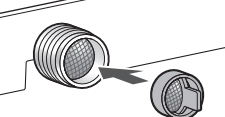


7

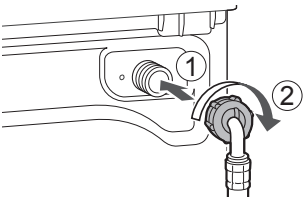


Water supply filter

8



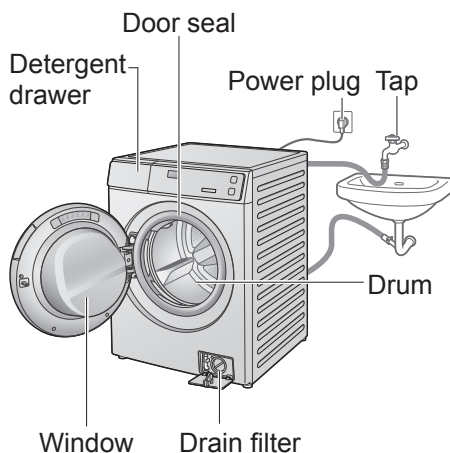
9



10



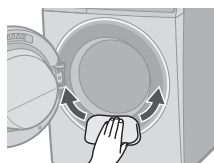
Maintenance (continued)



Appliance



Door seal



For heavy soil

Mild kitchen detergent

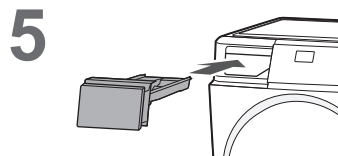
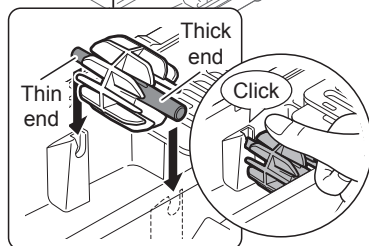
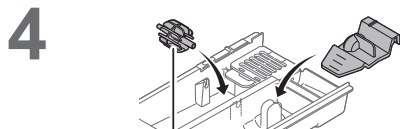
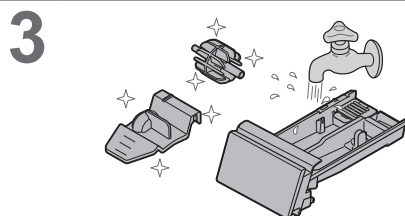
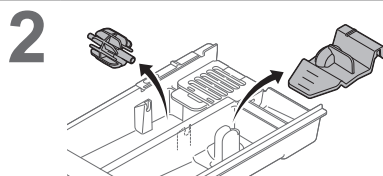
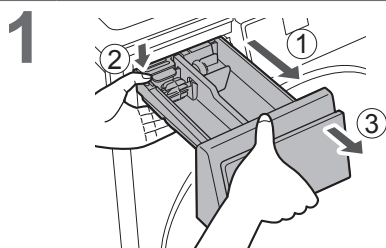


NOTE



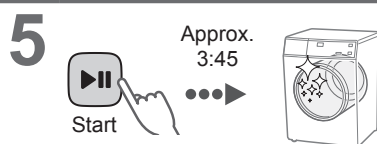
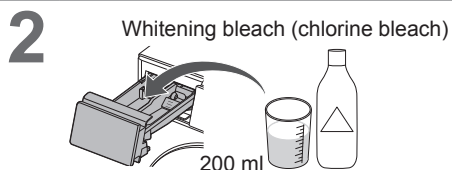
- Do not use gritty cleaners or thinners, or products containing alcohol or paraffin oil.

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



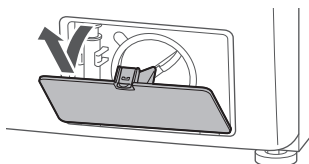
Hot water
(possibly scalding water)

1

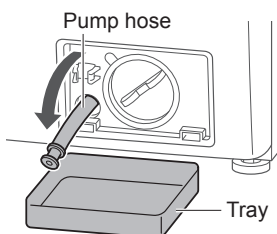


Turn off

2



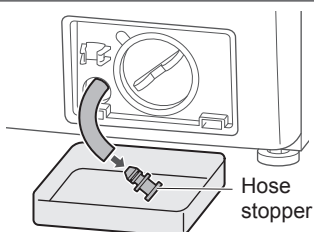
3



Pump hose

Tray

4

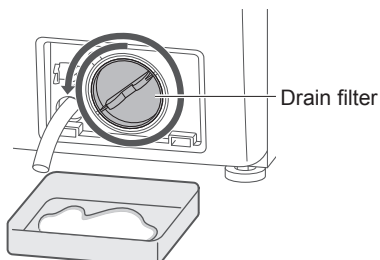


Hose stopper

5

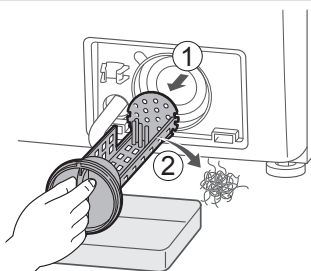


6



Drain filter

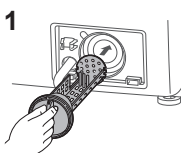
7



8

Replace

1



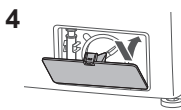
2 Until it is in place



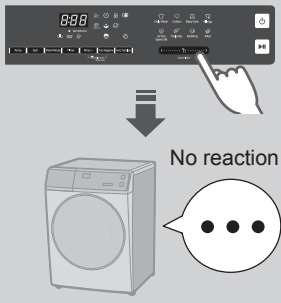
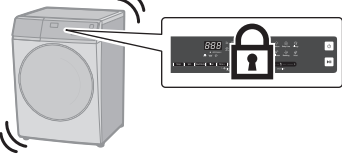
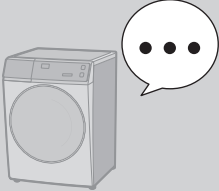
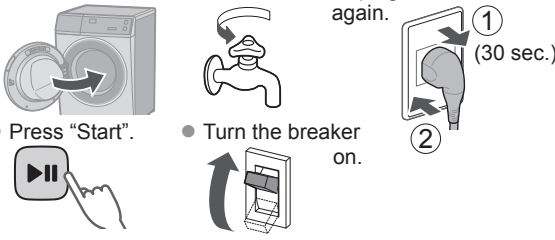
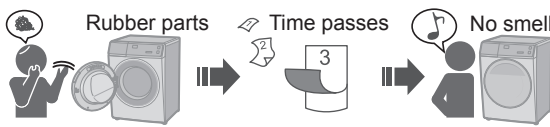
3



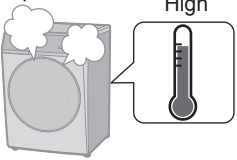
4

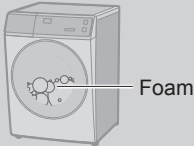
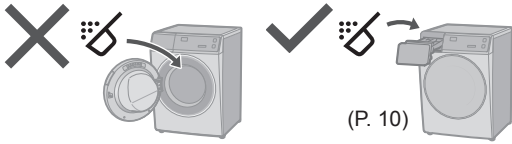
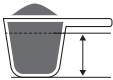


Troubleshooting

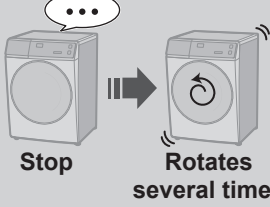
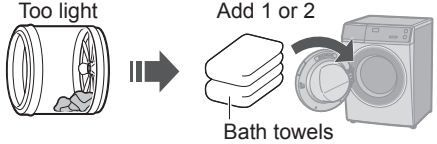
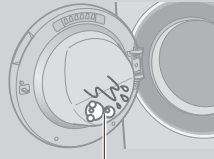
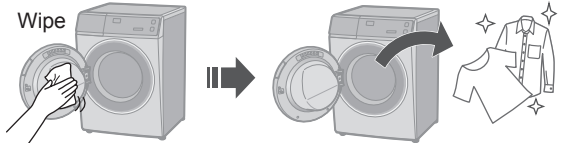
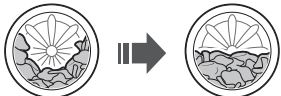
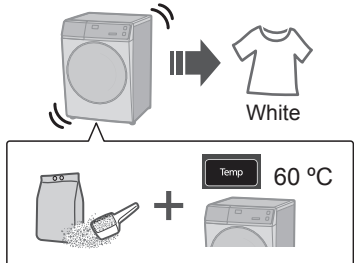
	Symptoms	Points to be checked
Main unit	Touch the buttons 	☐ Possible cause ● During an operation  ☐ Try ● Child Lock (P. 24)  (Off)
	No operation 	☐ Check ● Power cut ● Timer  ☐ Try ● Close the door. ● Turn on. ● Unplug and insert again. ● Press "Start". ● Turn the breaker on. 
	Odour of rubber 	☐ Possible cause  ☐ Try Tub Hygiene Tub Clean (P. 27) 

Troubleshooting (continued)

	Symptoms	Points to be checked
Main unit		□ Possible cause ● During an operation (washing or drying)  Door is locked. To open the door during operation (P. 12) □ Check ● Temperature  High ● Water level  High
	Door does not open 	□ Try ● Child Lock (P. 24)  ● During an operation 1  Turn off 2  On 3  Wash Mode (P. 21)  Spin 4 Open  NOTE  Door is locked  Power cut  Restored  Door is locked 

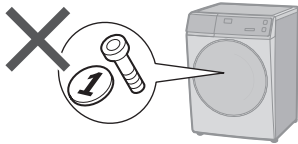
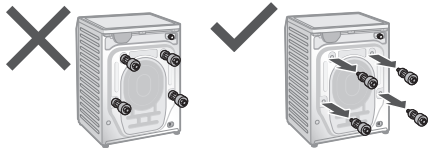
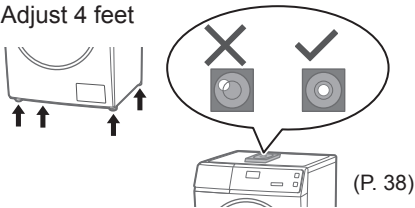
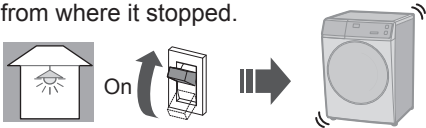
	Symptoms	Points to be checked
Detergent and foam	After washing 	☐ Check  (P. 10)
		☐ Possible cause • The amount of foam varies. • Temperature • Water level • Water softness 
	Not enough 	☐ Check • Powder detergent  (P. 10) • Too little detergent • Low foam detergent • Heavily soiled • Load too large 
	Too much 	☐ Check • Too much detergent 
Wash	During a wash  Water drainage	☐ Possible cause Excess foam  Foam ⇒ Foam detection function  Auto drainage ⇒ Auto water supply 

Troubleshooting (continued)

	Symptoms	Points to be checked
Rinse/Spin	During the spin process  Stop → Rotates several times	☐ Possible cause Unevenness  ☐ Try Too light  Add 1 or 2 Bath towels
	After washing  Foam or water	☐ Try  Wipe
Laundry	Spin changes to rinse  Spin → Rinse	☐ Possible cause ● If clothes are uneven, this appliances automatically corrects unevenness using the rinse process. 
	If the laundry yellows  Yellow	☐ Try  White Temp 60 °C

	Symptoms	Points to be checked
Time	During a wash Displayed time  Changes	☐ Possible cause ● Remaining time is corrected during operation.  ● If the settings changed  ● If clothes are uneven  ➡ The remaining time may increase.
	During water drainage 	☐ Possible cause ● This is normal. The drain pump is working.
	During spin process 	☐ Possible cause ● This is normal. Anti-foam leak part is working at the exhaust port.
	Sound of fan rotating 	☐ Possible cause ● This is normal. The drain pump is working.
Noise	Motor emits a sound 	☐ Possible cause ● 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)	☐ Check ● Metal items  ● Anchor bolts (P. 38)  ● Slope or an unstable surface  ● Adjust 4 feet 
Others	Power cut  Breaker Off 	☐ Check ● When the power recovers, operation resumes from where it stopped. 

Error Display

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

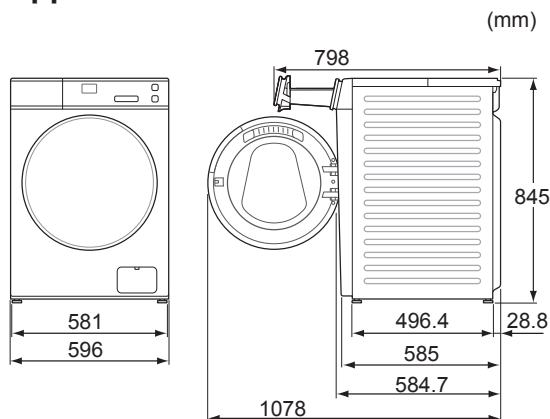
Choosing the Right Location



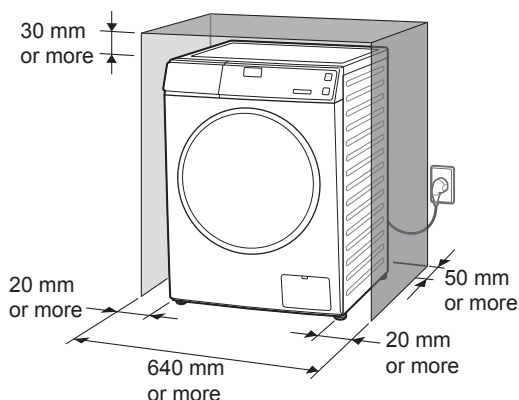
Make sure to ask a service person for installation.

- 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

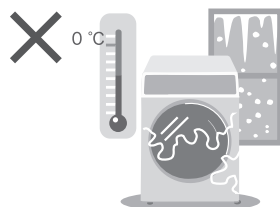
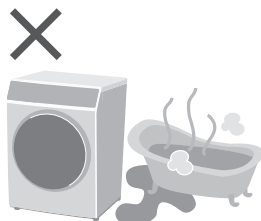


Set-in installation



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

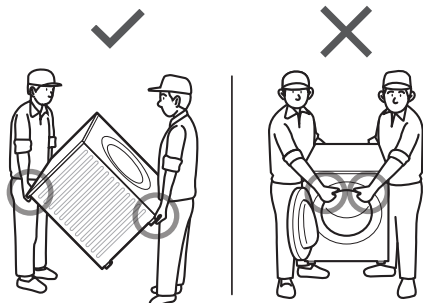
Check the location.



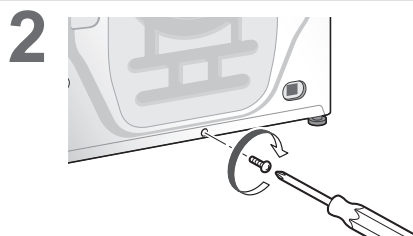
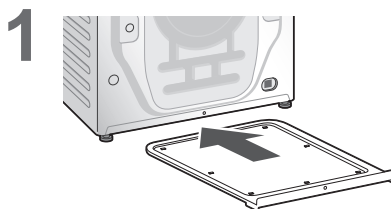
Moving and Installing

Carrying the appliance

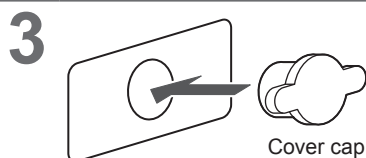
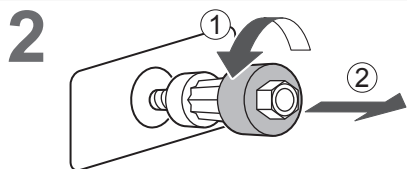
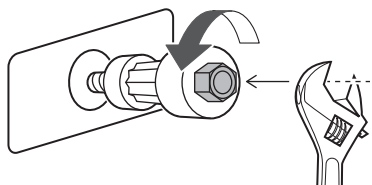
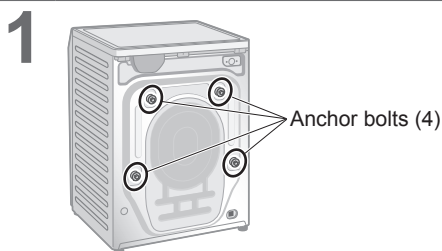
Do not do it alone.



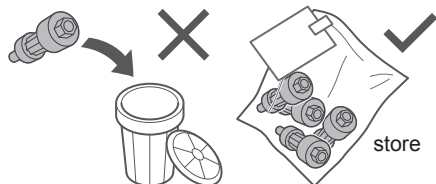
Installation of bottom cover



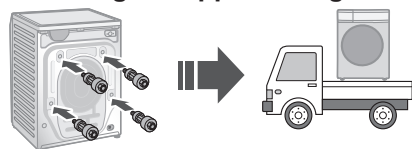
Removing the anchor bolts



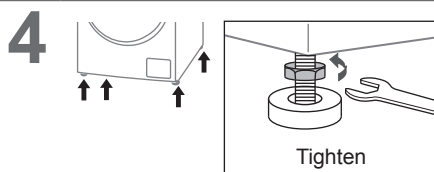
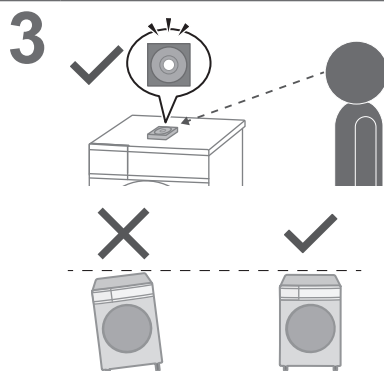
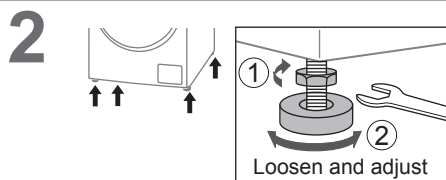
NOTE



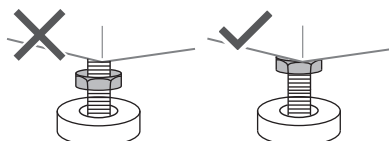
■ Moving the appliance again



Levelling the appliance



NOTE



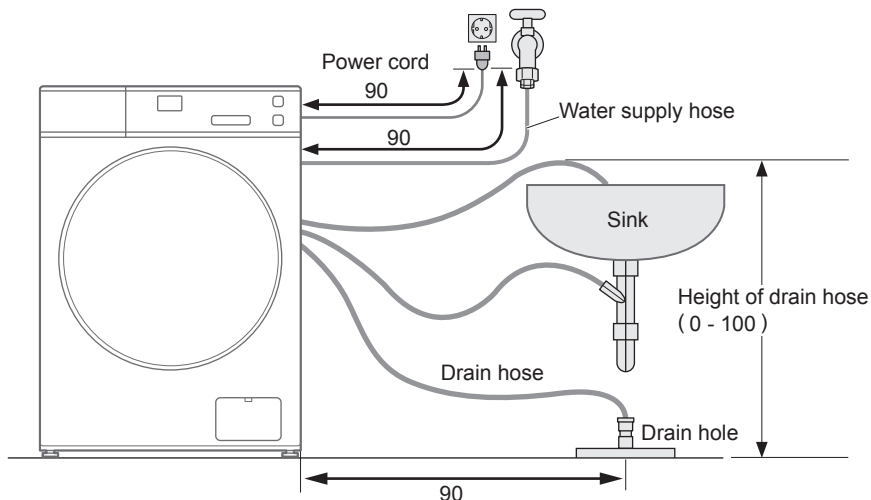
Connecting the Hoses

Connect the hoses properly to prevent water leaks.

Maximum connection distances for hoses and the power cord

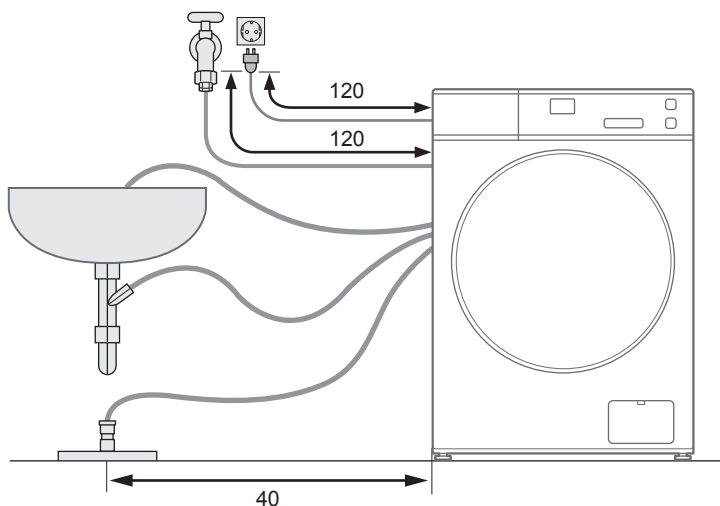
Right side connection

(cm)



Left side connection

(cm)



Connecting the Hoses (continued)

Water supply hose

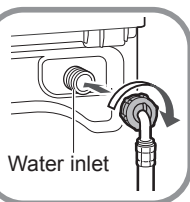
■ Connecting the water supply hose



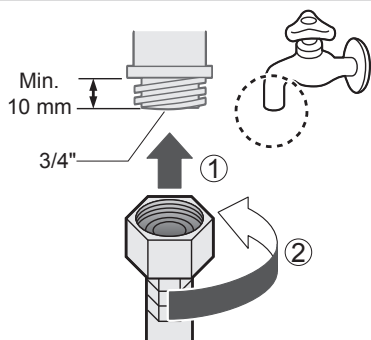
CAUTION

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

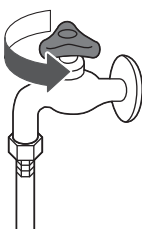
1



2



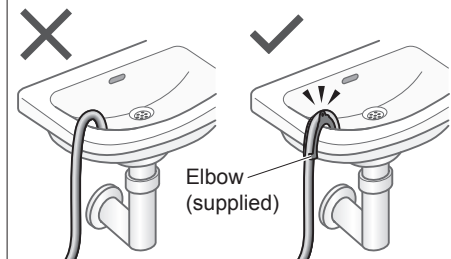
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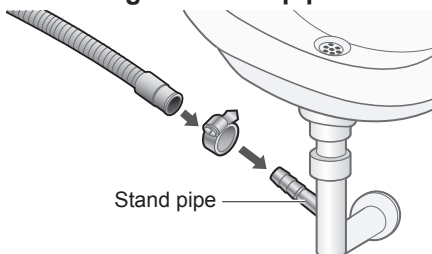
Drain hose

■ Draining to a sink or wash basin

NOTICE



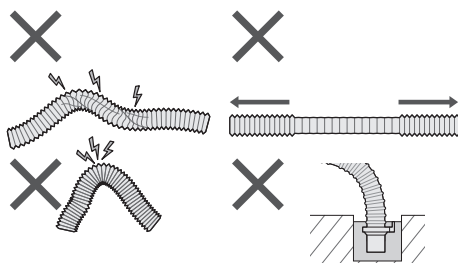
■ Draining to a stand pipe



■ Draining to a drain hole



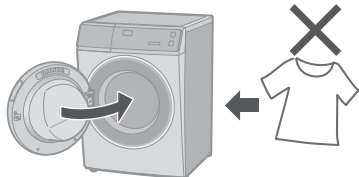
NOTE



1



2



3



4



5



Checking after test run

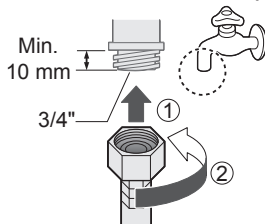
Problem

Causes and Measures

Water leaks

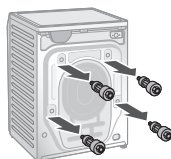


Connect the water supply hose properly

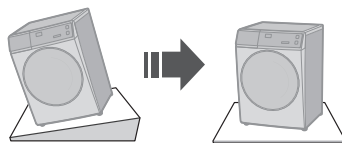


Abnormal
sounds

- Remove the anchor bolts (P. 38)



- Install stably



Error display



See P. 35.

Specifications

	NA-V115FA1	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)	11.5	10.0	9.0
Pressure of tap water (MPa)	0.01 - 1		



