Panasonic

# Operating & Installation Instructions

**Washing Machine (Household Use)**

**Model No. NA-V115FA1 NA-V10FA1 NA-V90FA1**

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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.

AWW9901CGCC0-0C0

# Safety Precautions

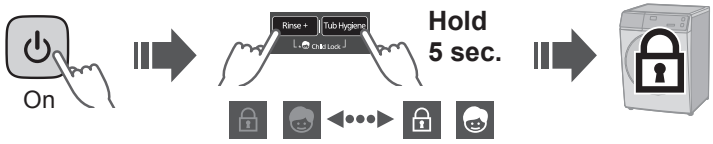
## ⚠ WARNING

### May cause serious injury or death

**Children must not use it alone.**

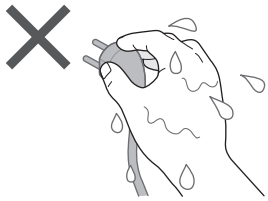
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children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

**Setting the Child Lock. (P. 24)**

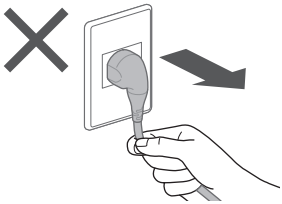



### May cause fire or electric shock

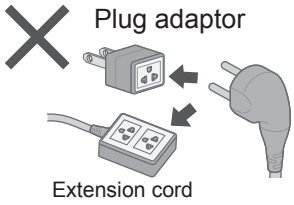
**Do not touch it with wet hands.**



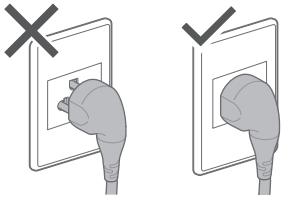
**Do not hold or pull on the cord.**



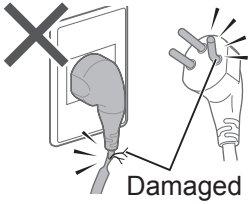
**Do not use.**




**Fully insert it.**

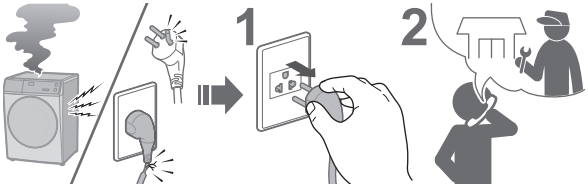


**Do not use.**

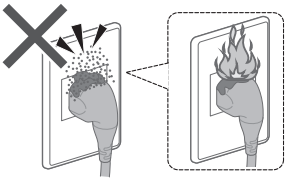



- **If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.**

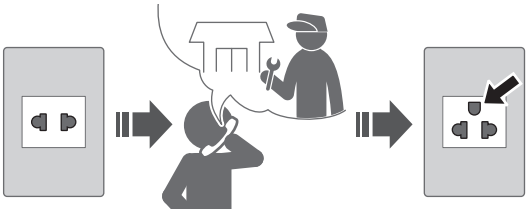
**In case of failure or damaged power cord, stop use and ask the electrical technician.**




**Accumulated dust may cause fire.**



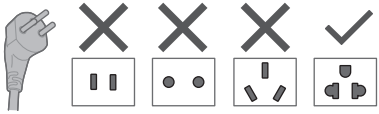
**Securely insert the ground prong.**
**Ask the electrical technician for a new socket.**



**Wipe the power plug periodically.**

**Use a socket appropriate for this appliance.**

e.g.)



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

**Keep away from flammable materials.**

## May cause failure

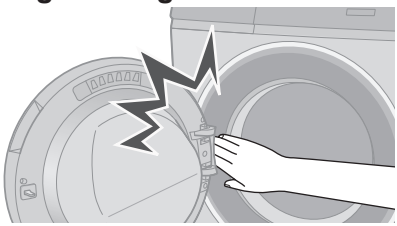
**Do not disassemble, repair or modify it by yourself.**

# Safety Precautions (continued)

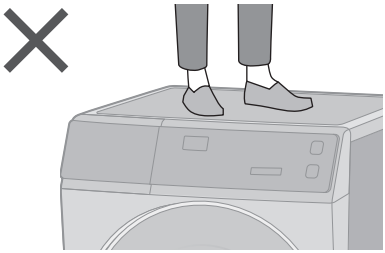
## ⚠ CAUTION

### May cause injury

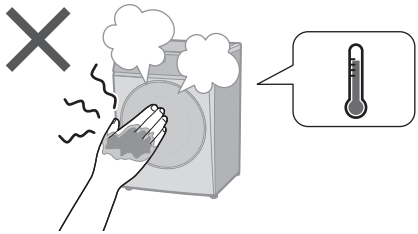
**Be careful not to get your fingers caught.**



**Do not climb on the appliance.**



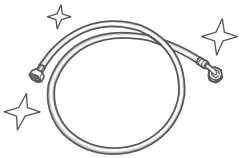
**Do not touch when it is hot.**



### May cause water leakage

**Turn off the water faucet.**

**Use new hose-sets.**

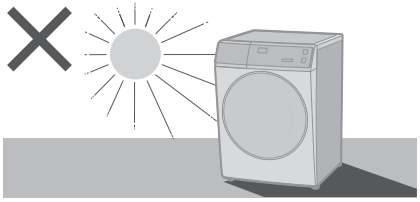


- New hose-sets supplied with the appliance are to be used and old hose-sets should not be reused.

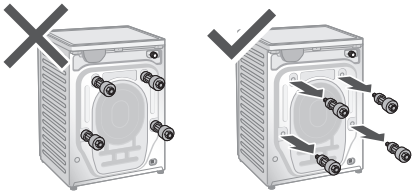
■ For maximum mass of dry cloth and pressure of tap water, see P. 42.

## May cause failure

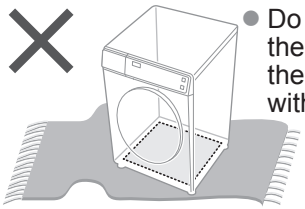
**Keep away from heat and direct sunlight.**



**Remove anchor bolts before operation.**

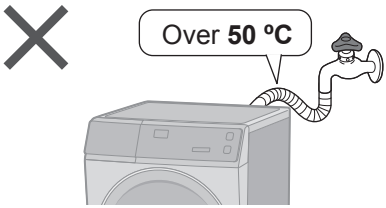


**Do not obstruct.**

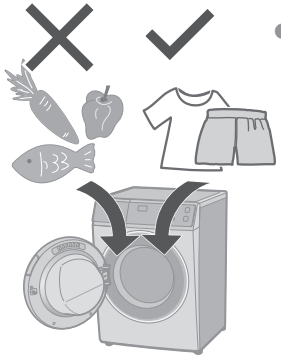


- Do not obstruct the openings of the bottom face with carpet, etc.

**Do not use hot water.**




**For machine-washable items only.**

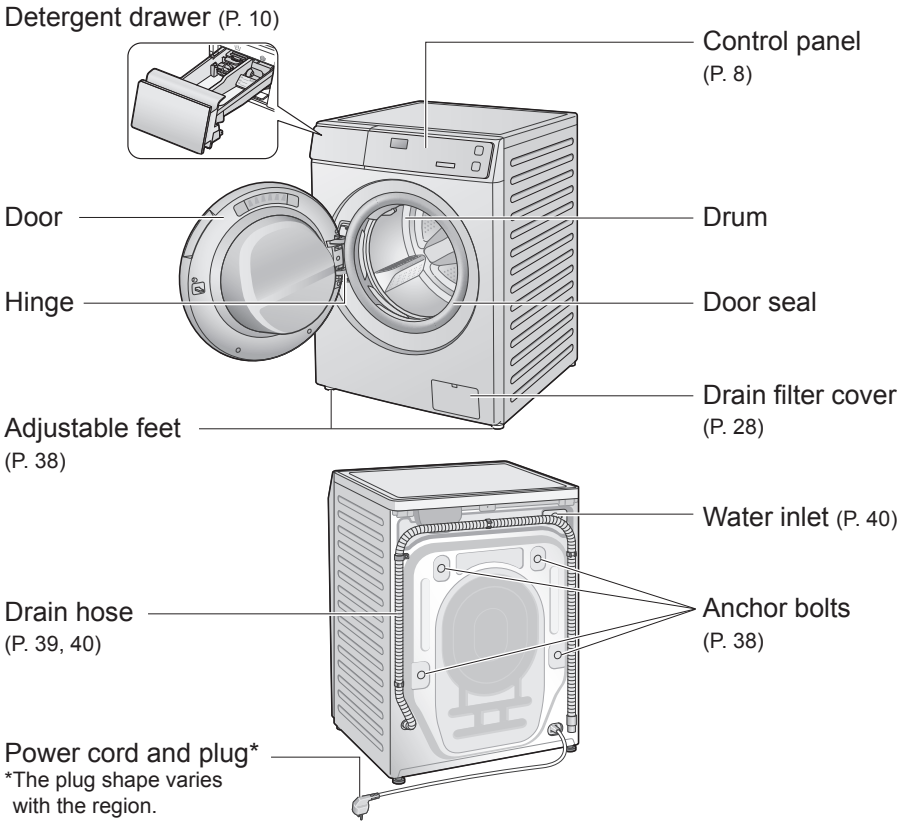


- This appliance is intended to be used in household. This appliance is not intended to be used in applications such as:
  - staff kitchen areas in shops, offices and other working environments;
  - farm houses;
  - by clients in hotels, motels and other residential type environments;
  - bed and breakfast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

**Do not wash excessively oily clothes.**

# Checking Your Washing Machine

## Part names

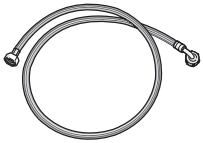



## Accessories

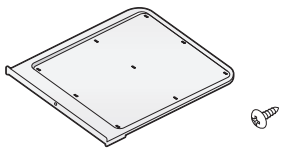
☐Elbow (1) (P. 40)

☐Cover caps (4) (P. 38)

☐Water supply hose (1) (P. 39, 40)



☐Bottom cover (1) / Screw (1) (P. 37)

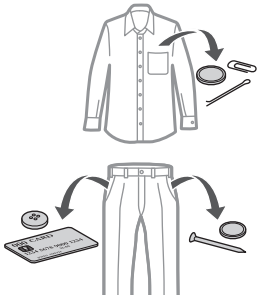


# Before Washing

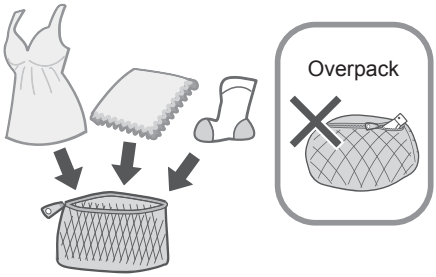
## Preparing laundry

### Before put clothes in drum

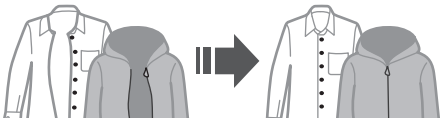
- Remove foreign objects.

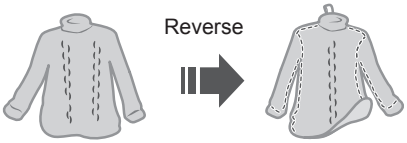


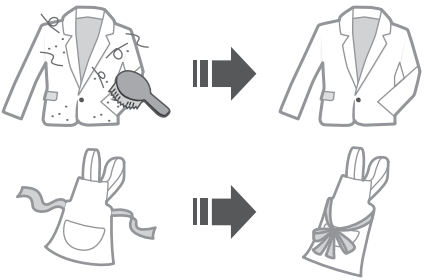
- Use laundry nets for delicates and small items.




### Pre-laundry check

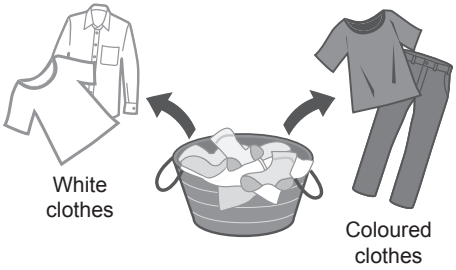




- Observe care labels.

- Wash separately.



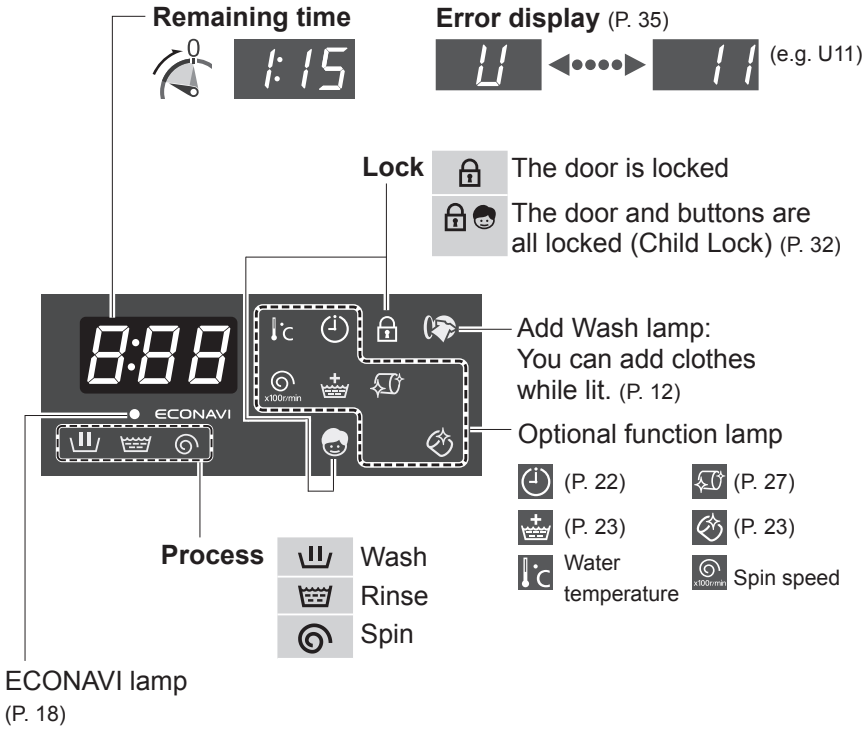

- Pretreat for heavily stains.

NOTE

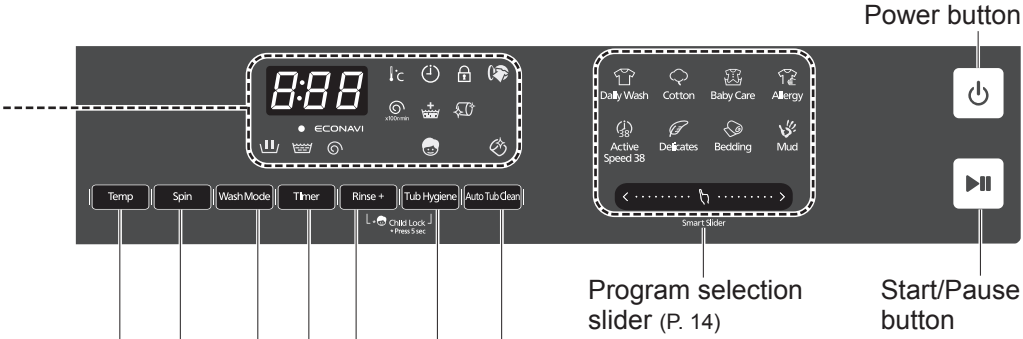
- "Mud" program (P. 15) are recommended for removing stains.

# Control Panel

## Display



## Control buttons




Auto Tub Clean — Auto Tub Clean (P. 25)

Tub Hygiene — Tub Hygiene (P. 27)

Rinse + — Rinse+ (P. 23)

Press & hold 5 sec at the same time:
Child Lock (P. 24)

Timer — Timer (P. 22)

Wash Mode — Wash Mode (P. 21)

Spin — Spin (P. 21)

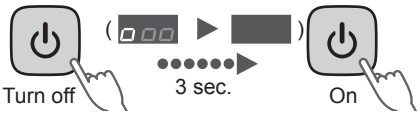
Temp — Temp (P. 20)

### 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




- No operation ➠ auto power off

- In case of a power failure
  ➠ When the power recovers, operation resumes from where it stopped. (Auto Restart)

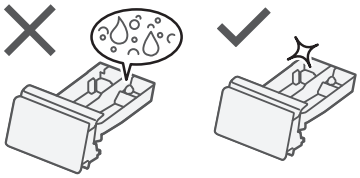
# Detergent

- Follow the instructions on each package.

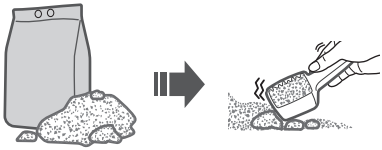
## Detergent

Use a low foam detergent.

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



Wet Dry



Lumps Powder

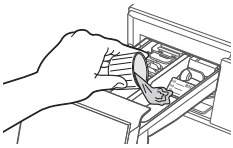
### Detergent

Powder detergent

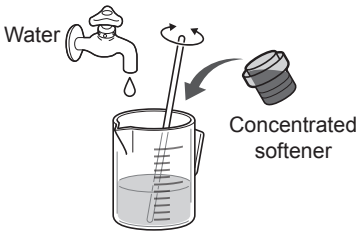
Liquid detergent

Bleach

## Fabric softener

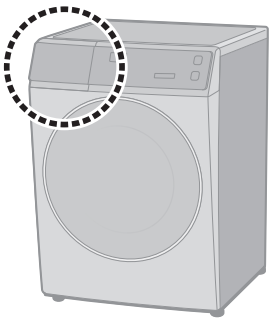


Separated or solidified softeners

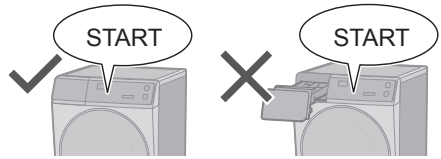


Water

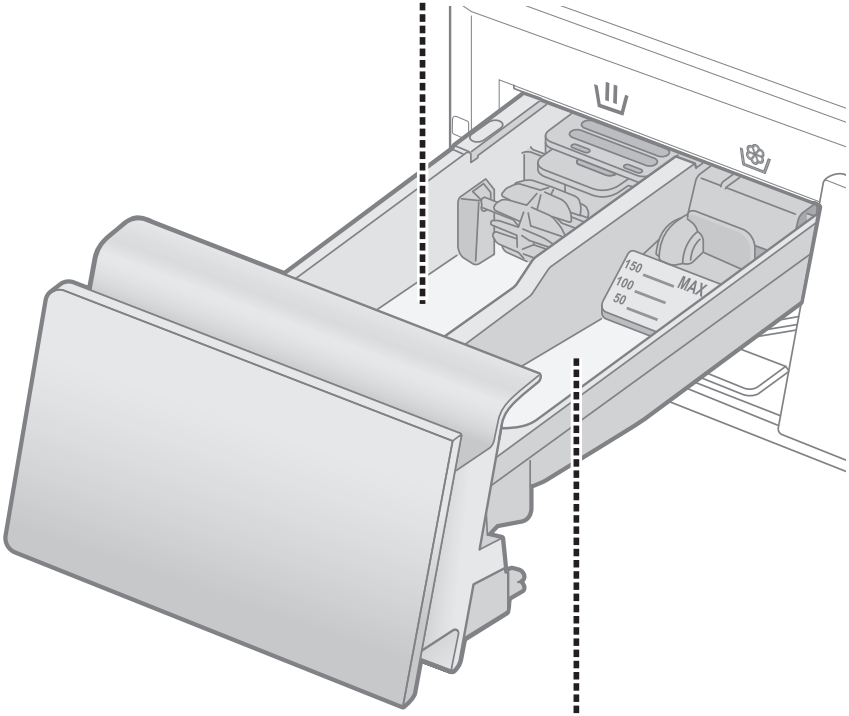
Concentrated softener



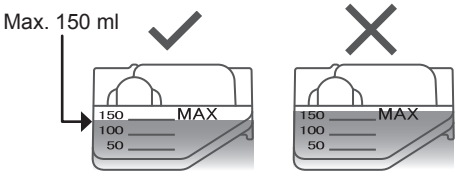
NOTE



START START

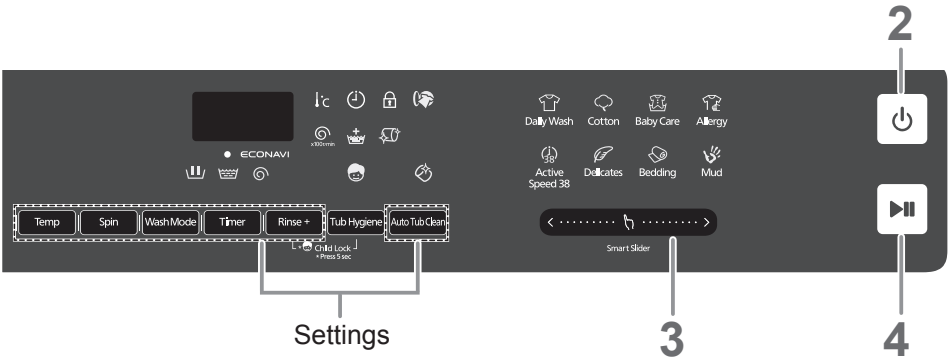



## Fabric softener



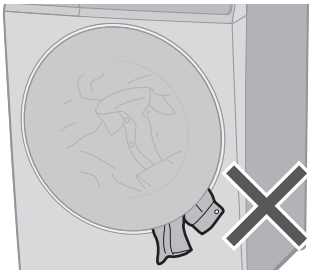
# Washing

Basic Method

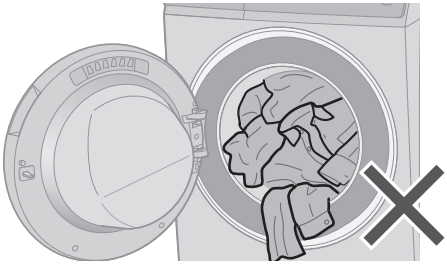



NOTE

■ **Do not let laundry get caught in the door.**

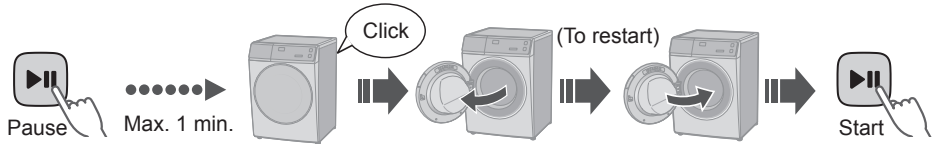


■ **Do not overfill the drum with laundry.**



■ **To open the door during operation**

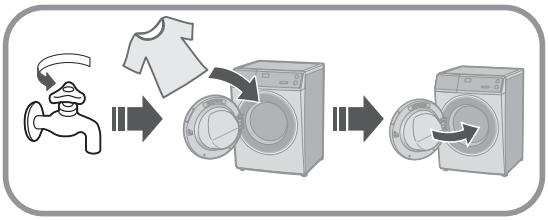
● **During washing**
(You can add clothes when lit.)

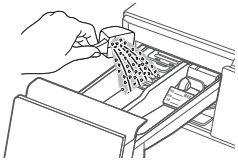



NOTE

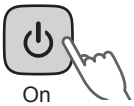
● Door does not open ➠ (P. 30)

# 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) |

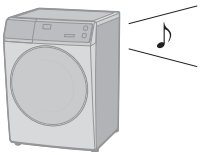
# 4

Measures the amount of laundry

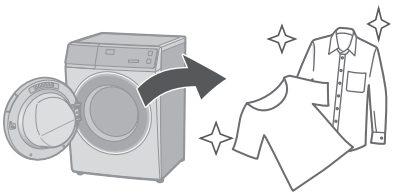
(30 sec.)

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<br>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.

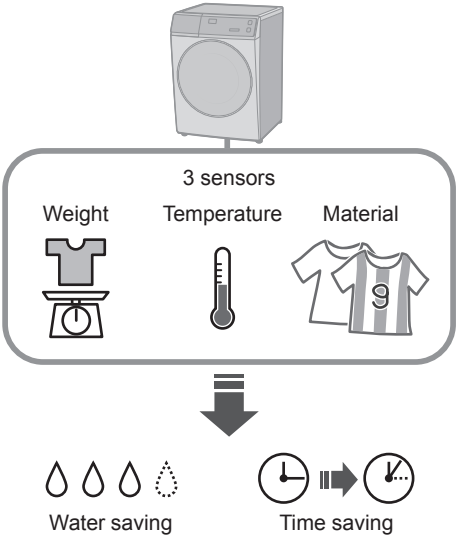
| Setting range | | Optional functions | | | |
|---|---|---|---|---|---|
| Temp (°C) | Spin (r/min) | Wash Mode | Timer | Rinse+ | Auto Tub Care |
| Cold, 30, 40, 60 | , 500, 700, 1200, 1400 | ✓ | ✓ | ✓ | ✓ |
| Cold, 30, 40, 60 | , 500, 700, 1200, 1400 | ✓ | ✓ | ✓ | ✓ |
| Cold, 30, 40, 60 | , 500, 700,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

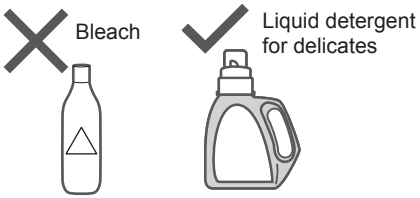
ECONAVI disabled

## Delicates

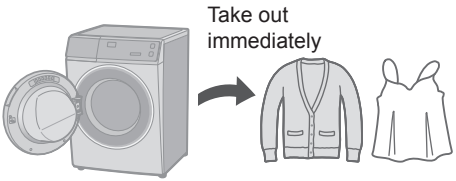
### ■ When washing

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

NOTE



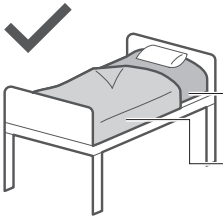

### ■ After operation ends



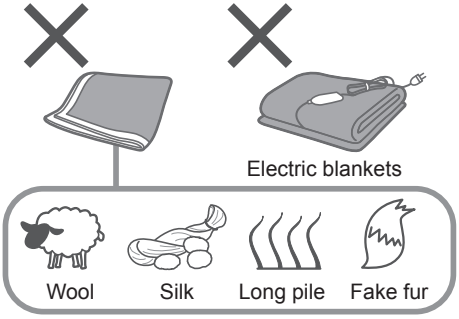
## Bedding

### ■ Washable items

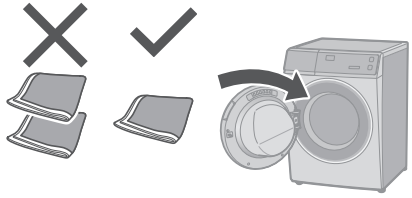
- 30 40 (Wash)
- (Handwash)
- 100 % cotton or 100 % synthetic



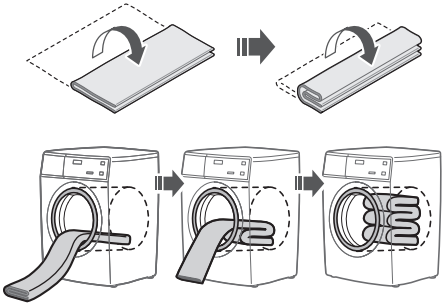

### ■ Not washable items



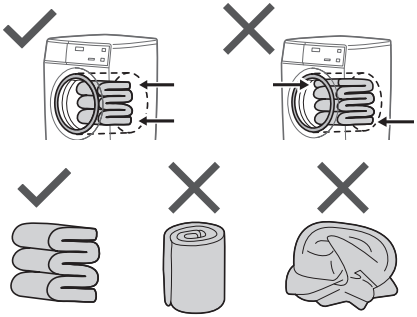

NOTE



### ■ 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)

**1**

**2** Select a program. (P. 14)

**3** **Change the program's settings.**

Wash Mode — Wash Mode

Spin — Spin

Temp — 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.

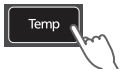
**4**

## Temp

Change the washing temperature.

■ **Setting guide**

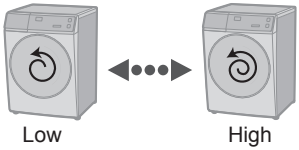
| Low | High |
|---|---|
| ● Colours | ● White |
| ● Lightly Soiled | ● Heavily Soiled |
| ● Easily shrinks | ● Cotton |

**3** 

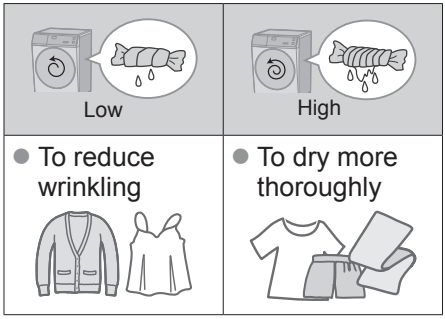
(P. 17)

## r/min Spin

Change the spin speed.




■ **Setting guide**

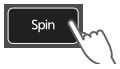



**3**

(P. 17)

■ **To change the setting while washing**

1

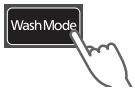

2 


3


## Wash Mode

Select a combination of wash, rinse and spin.

(e.g.)


**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)

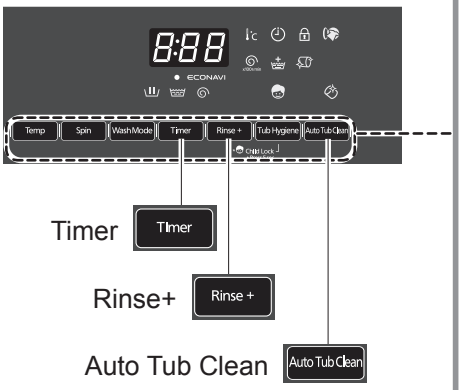
■ **Preparing**

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

**1**

**2** Select a program. (P. 14)

**3** **Change the program's settings.**

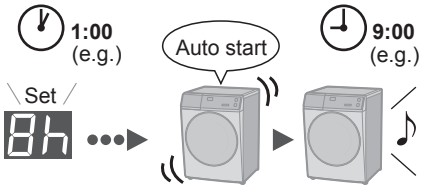



- Available options and setting ranges are different depending on the program. (P. 16)
- An alarm sounds if you select an option that is unavailable.

**4**

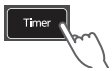
## Timer

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




**3**

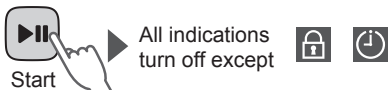
■ **To check a preset time**




■ **To cancel settings**

(All settings are cancelled)

NOTE




- Not available: P. 17

## Rinse+

Add an extra rinse.

**3** Rinse +

### ■ To change the setting while washing

1 Pause

2 Rinse +

3 Start

## Auto Tub Clean

Add tub cleaning process.

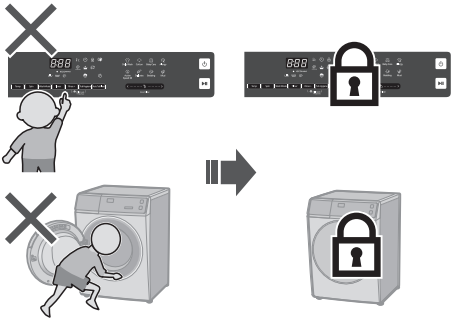
**3** Auto Tub Clean

NOTE

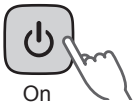
- The setting is memorized.

# Changing Appliance Settings

## Setting the Child Lock

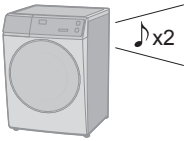


**1**




**2**

**Hold 5 sec.**



Lights
(On)

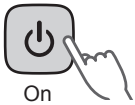
■ **To cancel:**

Same procedure

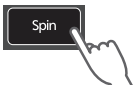
Goes out
(Off)

## Cancelling the buzzer

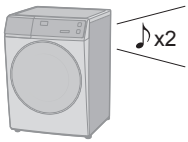
**1**




**2**




**Hold 5 sec.**



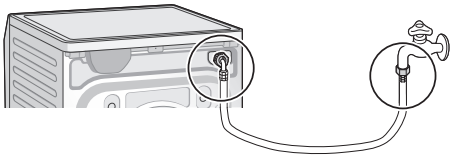

■ **To reset:**

Same procedure

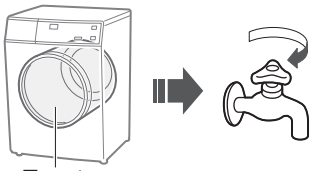
# Maintenance

## Water supply filter

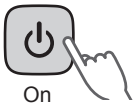
### If water does not flow smoothly



**1**




**2**



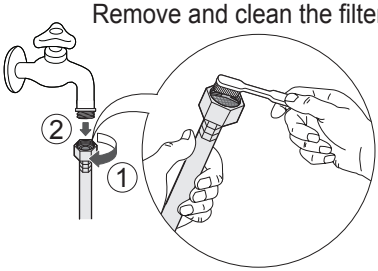

**3**

**Select** Daily Wash

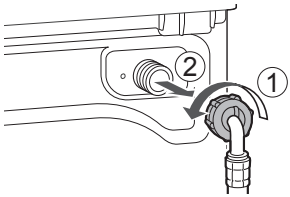
**4**

**5**

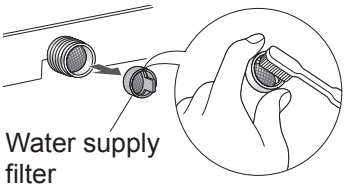
Remove and clean the filter



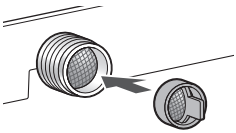

**6**



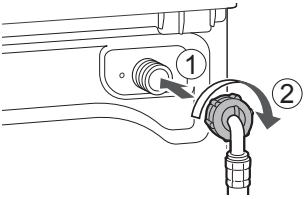

**7**



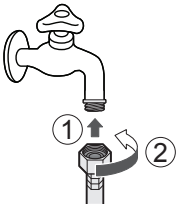

**8**



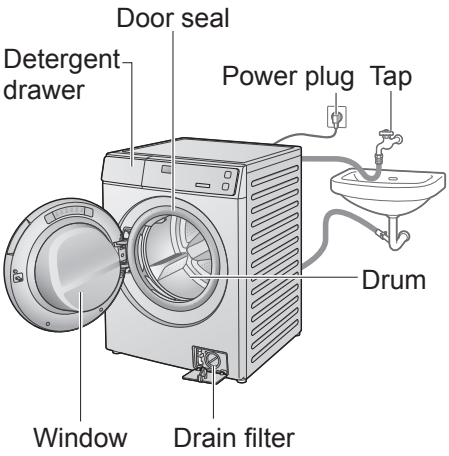
**9**




**10**

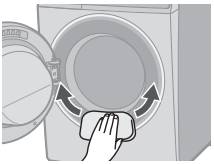


# Maintenance (continued)




## Appliance

Door seal



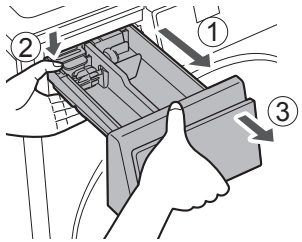
For heavy soil

NOTE

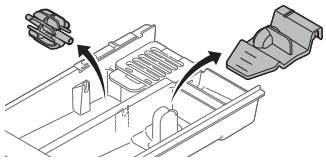
- Do not use gritty cleaners or thinners, or products containing alcohol or paraffin oil.

## Detergent drawer

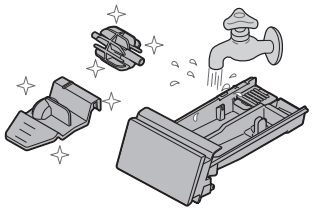
**1**



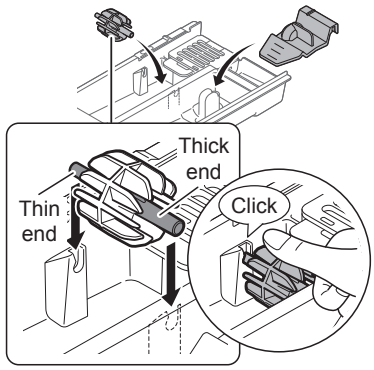

**2**



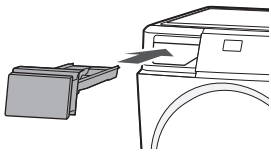
**3**



**4**




**5**



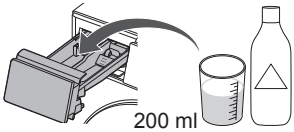
## Drum

**Once a month or if flashes**
**<Tub Hygiene>**

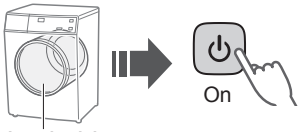
**1**

**2**

Whitening bleach (chlorine bleach)




**3**




No clothing

**4**

**5**

NOTE

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

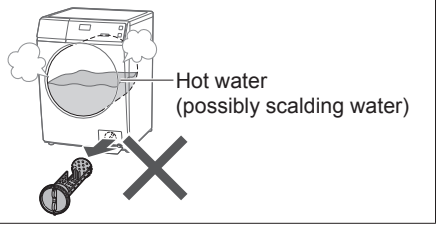
# Maintenance (continued)

## Drain filter

### Once a month

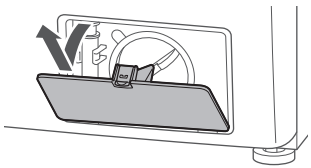
**Be sure to drain water in the drum before this procedure.**

**⚠ CAUTION**

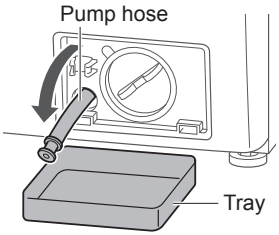



**1**

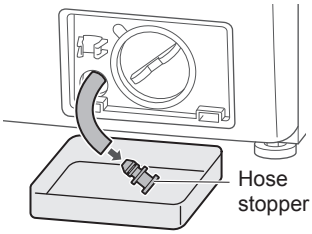
**2**



**3**

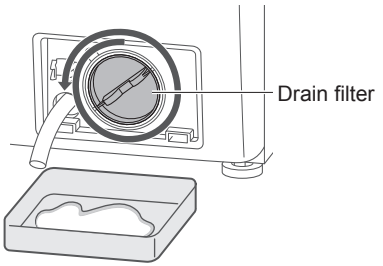



**4**

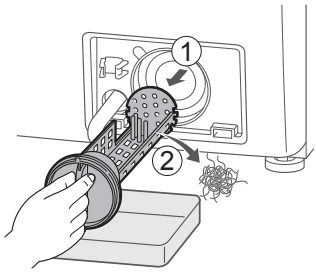



**5**

**6**

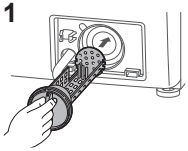



**7**

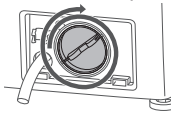



**8** **Replace**

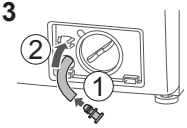
**1**



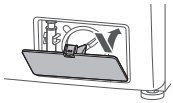
**2** Until it is in place



**3**

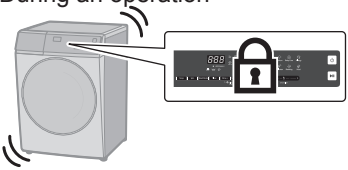
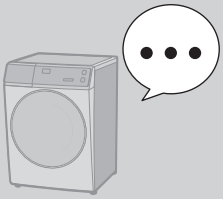
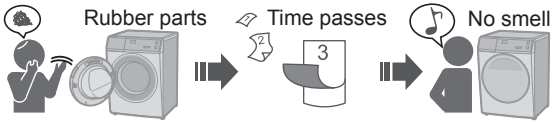



**4**

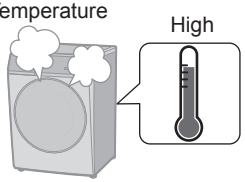
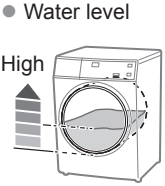
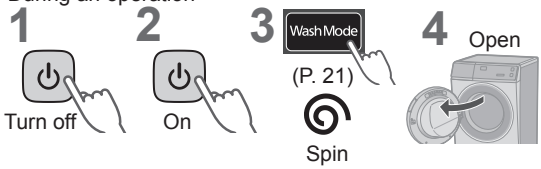
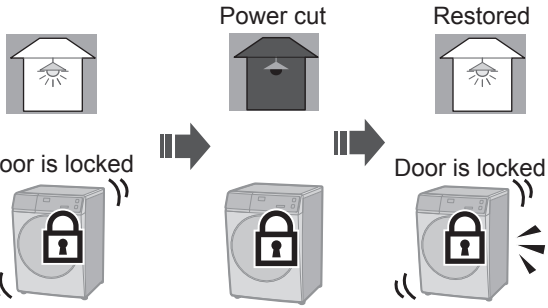


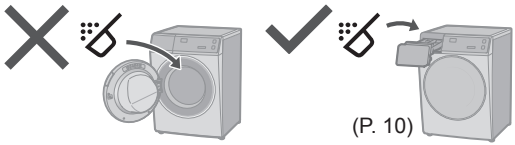
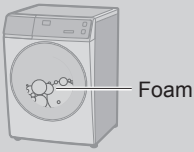
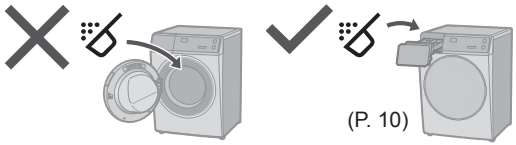
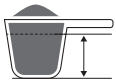
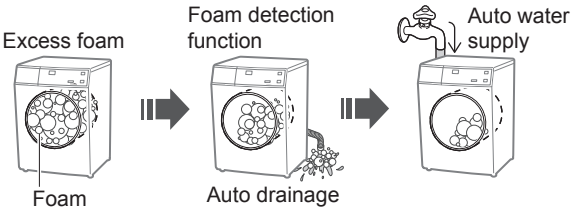
# Troubleshooting

Main unit

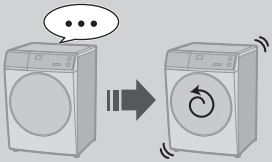
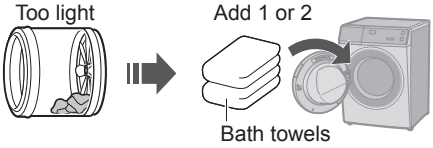
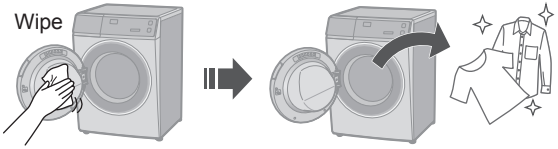
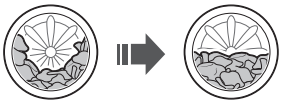
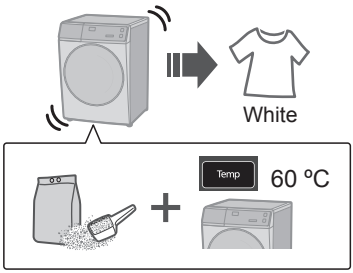
| Symptoms | Points to be checked |
|---|---|
| Touch the buttons No reaction | ☐Possible cause<br>● During an operation  <br>☐Try<br>● Child Lock (P. 24) (Off) |
| **No operation**  | ☐Check<br>● Power cut <br>● Timer <br>☐Try<br>● Close the door. <br>● Turn on. <br>● Unplug and insert again. (30 sec.)<br>● Press “Start”. <br>● Turn the breaker on. |
| **Odour of rubber** | ☐Possible cause  Rubber parts Time passes No smell<br>☐Try Tub Clean (P. 27) |

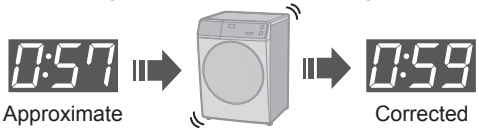
# Troubleshooting (continued)

| | Symptoms | Points to be checked |
|---|---|---|
| Main unit | **Door does not open** | ☐Possible cause<br>● During an operation (washing or drying)<br> <br>Door is locked.<br>To open the door during operation (P. 12)<br>☐Check<br>● Temperature<br>  <br>● Water level<br>  <br>☐Try<br>● Child Lock (P. 24)<br> <br>● During an operation<br>  <br>NOTE<br>  |

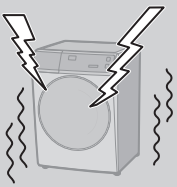
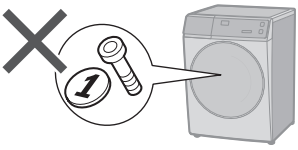
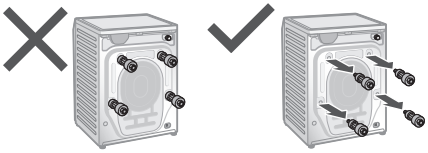
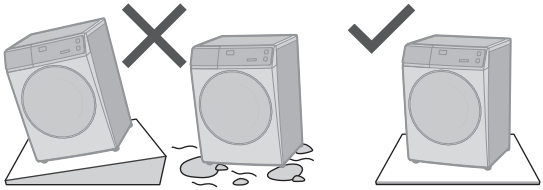
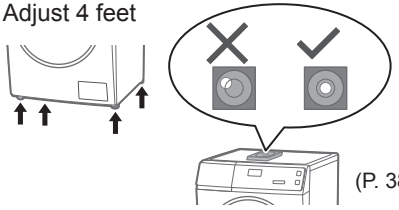
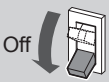
| | Symptoms | Points to be checked |
|---|---|---|
| Detergent and foam | **After washing**<br> | ☐Check<br>  <br>(P. 10) |
| |  <br>Foam | ☐Possible cause<br>● The amount of foam varies.<br>● Temperature ● Water level ● Water softness<br> |
| | **Not enough**<br> | ☐Check<br>● Powder detergent<br>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

# Troubleshooting (continued)

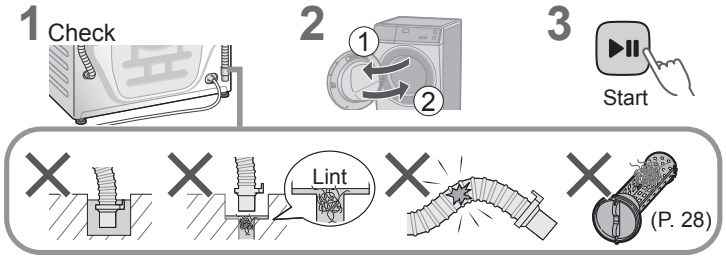
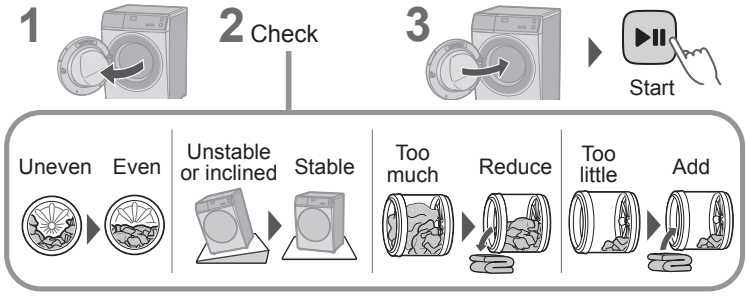
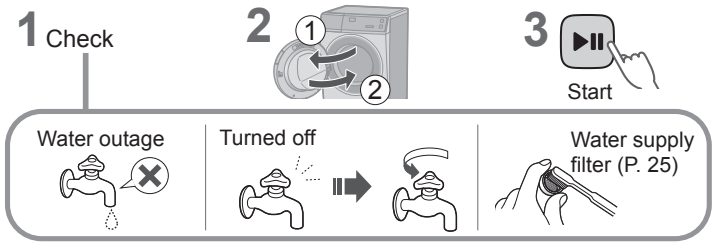
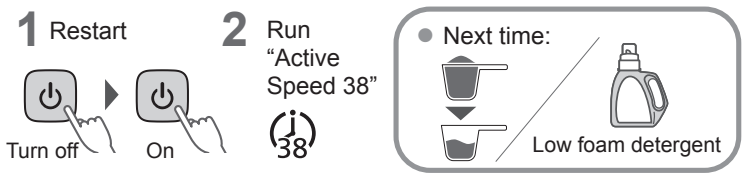
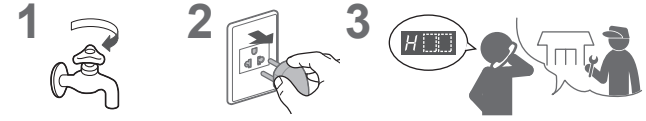
| | Symptoms | Points to be checked |
|---|---|---|
| Rinse/Spin | During the spin process<br>  <br>**Stop** **Rotates several times** | ☐Possible cause<br> <br><br>☐Try<br>  <br> |
| | After washing<br> <br>**Foam or water** | ☐Try<br>  <br> |
| | **Spin changes to rinse**<br> <br> | ☐Possible cause<br>● If clothes are uneven, this appliances automatically corrects unevenness using the rinse process.<br>  |
| Laundry | **If the laundry yellows**<br> <br>Yellow | ☐Try<br>  <br> |

| | Symptoms | Points to be checked |
|---|---|---|
| Time | **During a wash**<br>Displayed time<br>0:57 ···▶ 0:59<br>Changes | ☐Possible cause<br>● Remaining time is corrected during operation.<br>  <br>Approximate Corrected<br>● If the settings changed<br> <br>● If clothes are uneven<br> <br>➡ The remaining time may increase. |
| Noise | **During water drainage**<br> | ☐Possible cause<br>● This is normal.<br>The drain pump is working. |
| | **During spin process**<br> | ☐Possible cause<br>● This is normal.<br>Anti-foam leak part is working at the exhaust port. |
| | **Sound of fan rotating**<br> | ☐Possible cause<br>● This is normal.<br>The drain pump is working. |
| | **Motor emits a sound**<br> | ☐Possible cause<br>● This is normal.<br>The motor will make a short sound when the drum engages. |

# Troubleshooting (continued)

| | Symptoms | Points to be checked |
|---|---|---|
| Noise | **Unusual noise (or vibration)**  | ☐Check<br>● Metal items  <br>● Anchor bolts (P. 38)  <br>● Slope or an unstable surface  <br>● Adjust 4 feet  (P. 38) |
| Others | Power cut Breaker  | ☐Check<br>● When the power recovers, operation resumes from where it stopped. |

# Error Display

| Error Display | Points to be checked |
|---|---|
| U 11<br>**Unable to drain** |  |
| U 12<br>**Door is open** | |
| U 13<br>**Unable to spin / dry** |  |
| U 14<br>**Unable to supply water** |  |
| U 17<br>**Unable to spin** |  |
| H □□ |  |

Installation

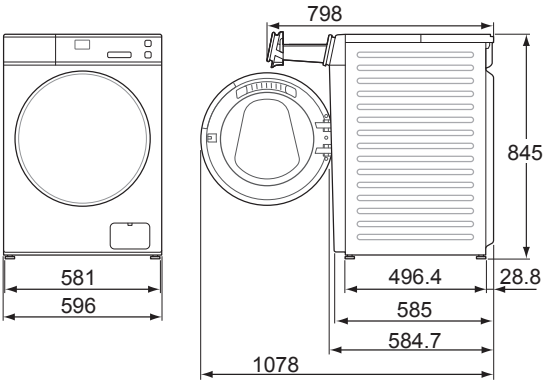
# Choosing the Right Location

**Make sure to ask a service person for installation.**

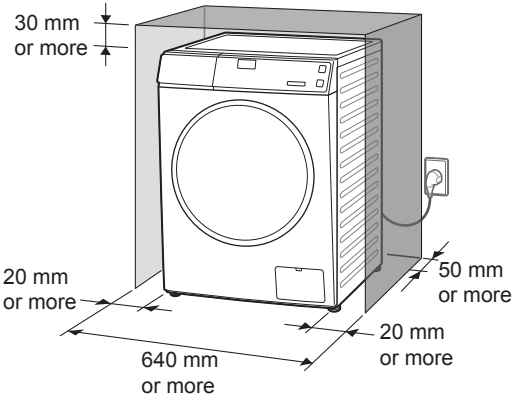
- Do not install the appliance by yourself.
- Follow this installation method. If you do not, Panasonic will not be liable for any accidents or damages.

## Appliance dimensions

(mm)

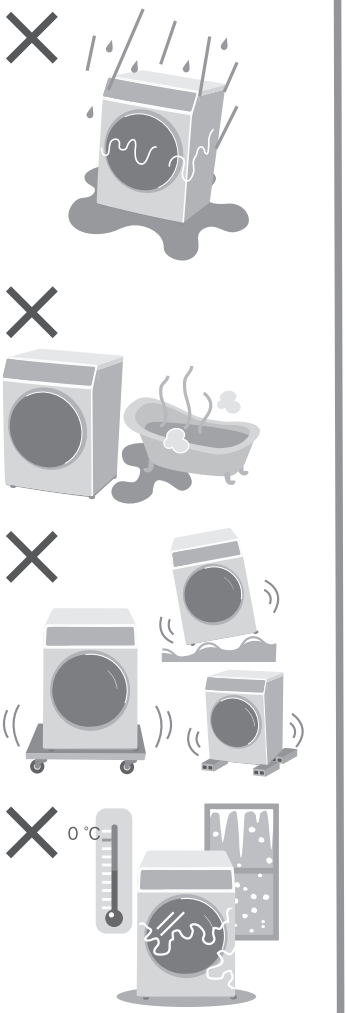



### ■ Set-in installation




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

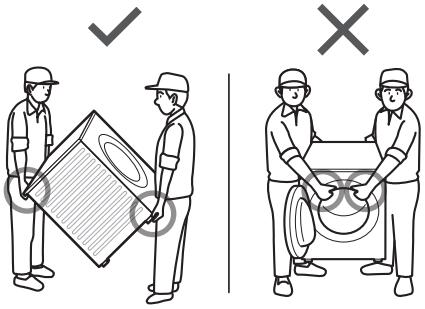
## Check the location.



# Moving and Installing

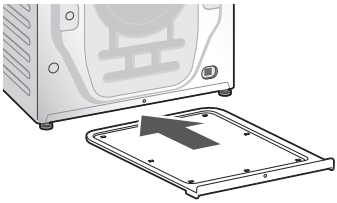
## Carrying the appliance

Do not do it alone.

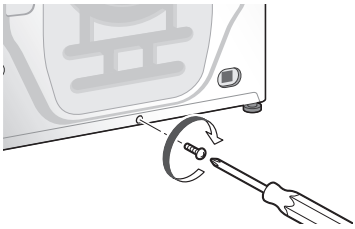


## Installation of bottom cover

1



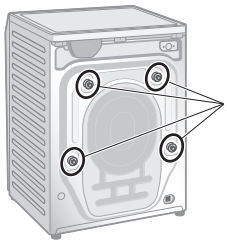
2

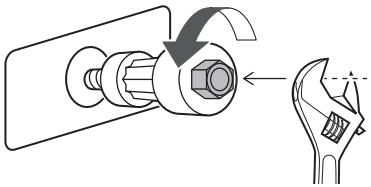


# Moving and Installing (continued)

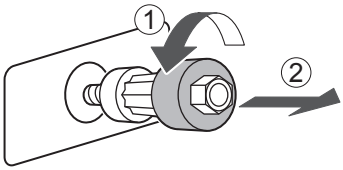
## Removing the anchor bolts

1



2

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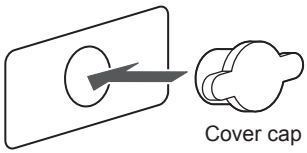
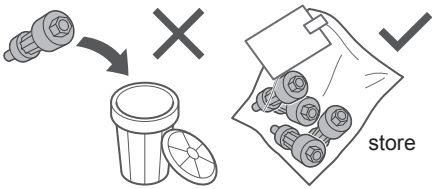
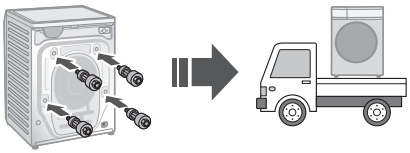



NOTE

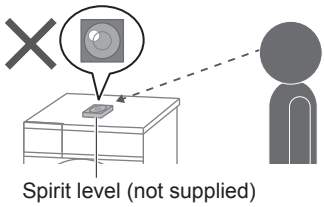



■ **Moving the appliance again**

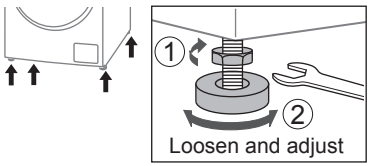


## Levelling the appliance

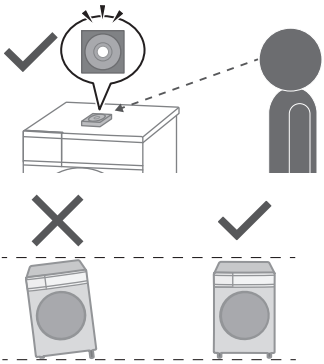
1




2




3



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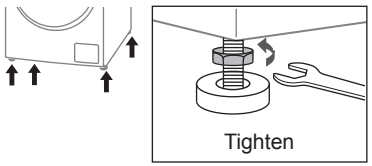
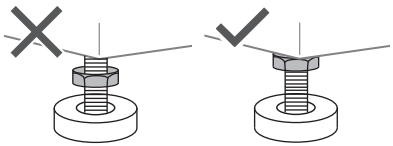



NOTE



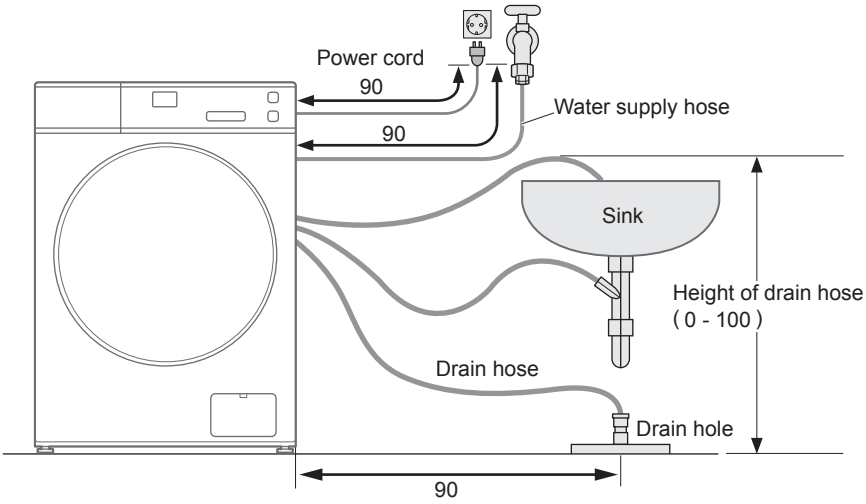
# Connecting the Hoses

Connect the hoses properly to prevent water leaks.

## Maximum connection distances for hoses and the power cord

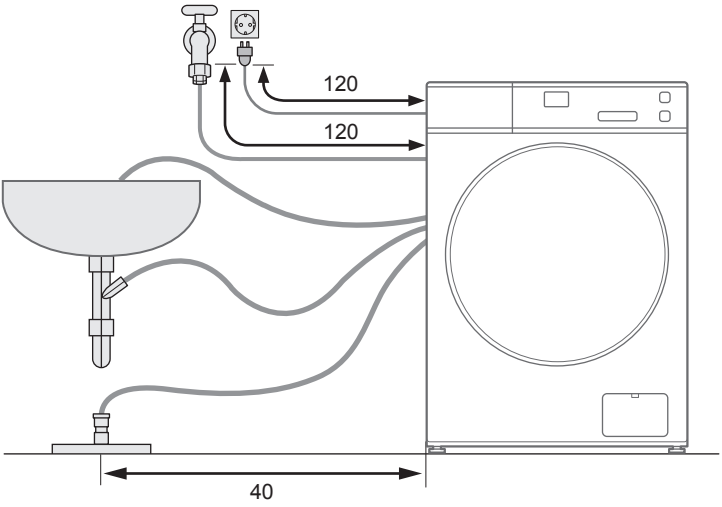
### Right side connection

(cm)




### Left side connection

(cm)



# Connecting the Hoses (continued)

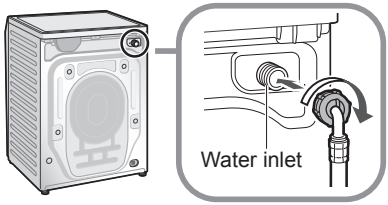
## Water supply hose

### ■ Connecting the water supply hose

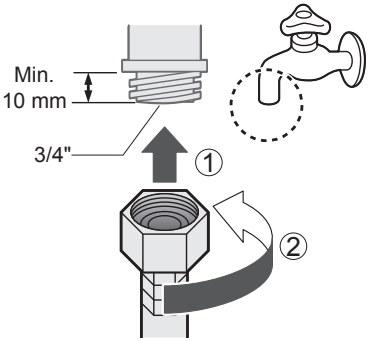
**⚠ CAUTION**

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

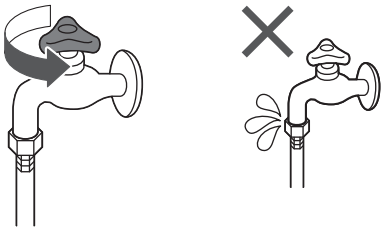
**1**




**2**



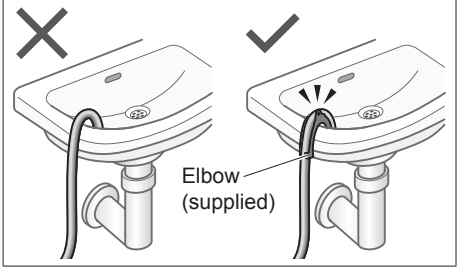

**3**



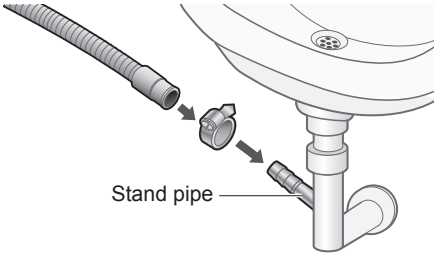
## Drain hose

### ■ Draining to a sink or wash basin

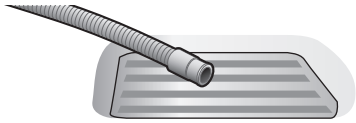
**NOTICE**



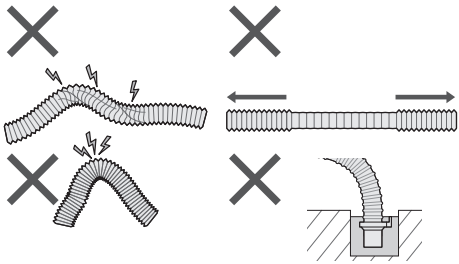

### ■ Draining to a stand pipe




### ■ Draining to a drain hole



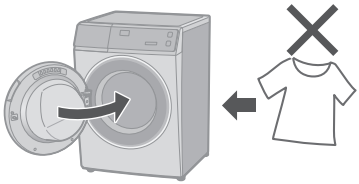
NOTE



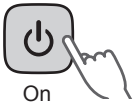
# Test Run

**1**

**2**



**3**

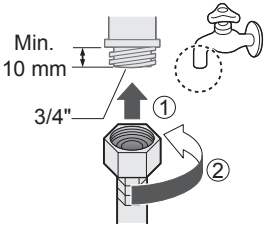
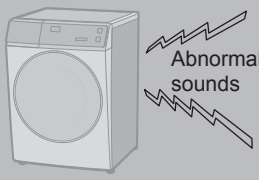
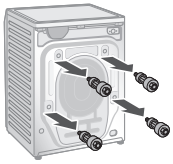
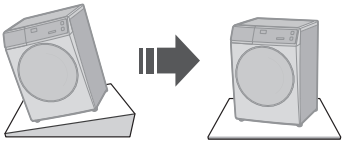
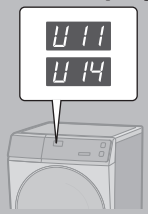



**4**

(38) **Active Speed 38**

**5**

## Checking after test run

| Problem | Causes and Measures |
|---|---|
| **Water leaks**<br> | Connect the water supply hose properly<br>  |
|  | ● Remove the anchor bolts (P. 38)<br>  <br>● Install stably<br>  |
| **Error display**<br>  | 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 | | |

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