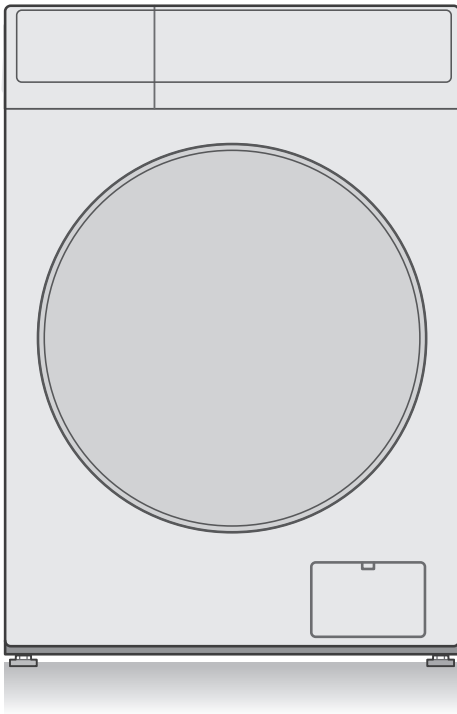# Panasonic®

Operating & Installation Instructions

Washing Machine (Household Use)

Model No. NA-16JF1

Contents

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.

10023200

# 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.
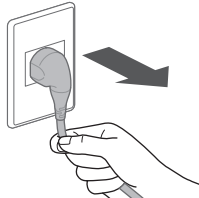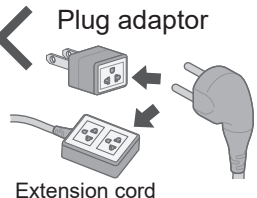
Setting the Child Lock. (P. 22)

On ➡ Program ➡ ▶II Start ➡ Rinse + **Hold 3 sec.** ➡ 🔒
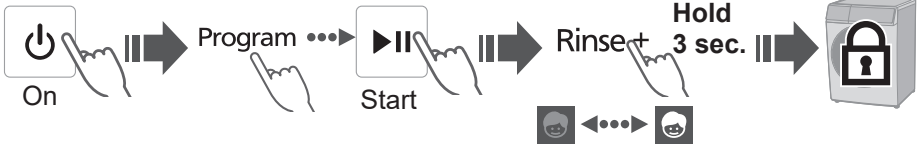
May cause fire or electric shock

Do not touch it with wet hands.

Do not hold or pull on the cord.

Do not use.

Plug adaptor

Extension cord

Fully insert it.
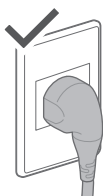
Do not use.

Damaged
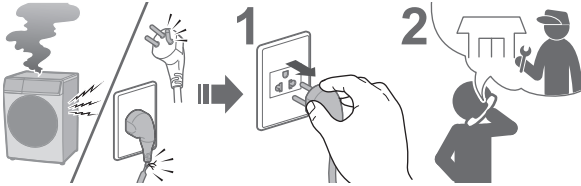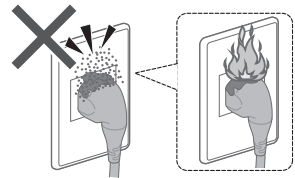
- **If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.**
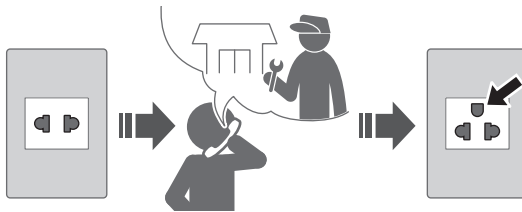
In case of failure or damaged power cord, stop use and ask the electrical technician.

1

2

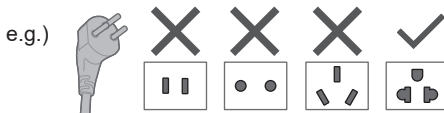**Accumulated dust may cause fire.**

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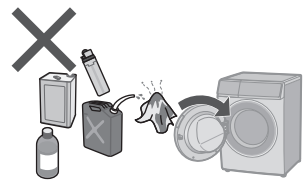Ask the electrical technician for a new socket.**

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.

- Keep at least 15 cm away from the mounting part of the cardiac pacemaker.
- Keep away from medical equipment and automatic control equipment (automatic doors, fire alarms, etc.).
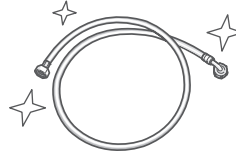
Safety Precautions (continued)

⚠ CAUTION

May cause water leakage
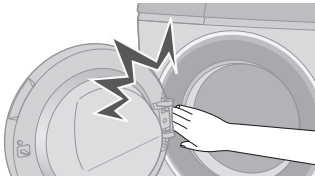
Turn off the water faucet.
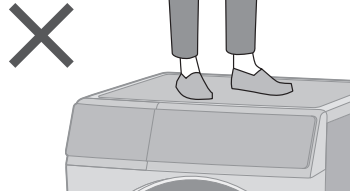
Use new hose-sets.

- New hose-sets supplied with the appliance are to be used and old hose-sets should not be reused.
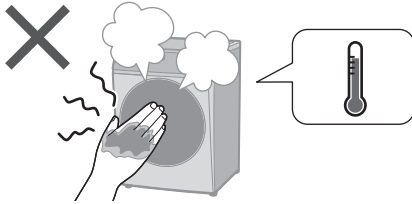
May cause injury
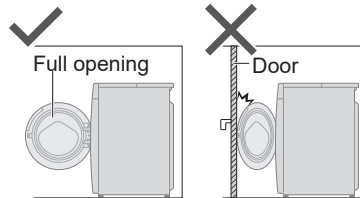
Be careful not to get your fingers caught.

Do not climb on the appliance.

Do not touch when it is hot.

Install the appliance correctly.

Full opening

Door

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

■ For maximum mass of dry cloth and pressure of tap water, see P. 40.
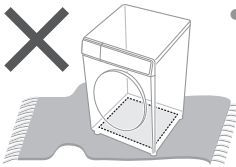
⚠ CAUTION

May cause failure

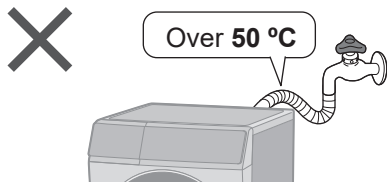### Keep away from heat and direct sunlight.
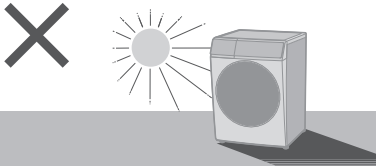
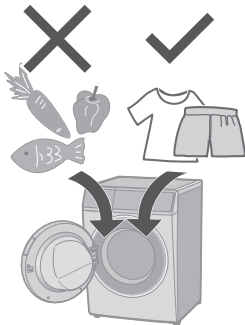### Remove anchor bolts before operation.
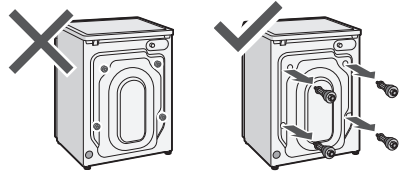
Do not obstruct.

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

Do not use hot water.

Over **50 ºC**

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.

Follow the instructions.

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

5

Checking Your Washing Machine

Part names

Detergent drawer (P. 11)
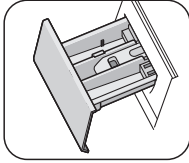
Control panel (P. 9)

Door
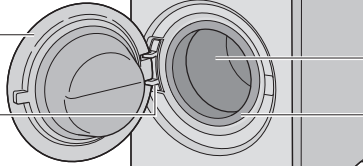
Drum

Hinge

Door seal

Adjustable feet (P. 36)

Drain filter cover (P. 25)
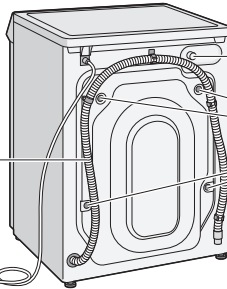
Water inlet (P. 38)

Drain hose (P. 37, 38)

Shipping bolts (P. 36)

Power cord and plug*

* The plug shape varies with the region.

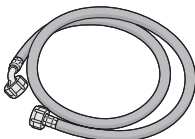## Accessories

□ Hose hanger (1) (P. 38)

□ Cover cap (4) (P. 36)
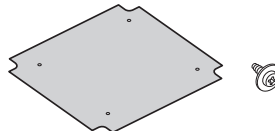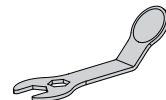
(for shipping bolts)

□ Cover cap (1) (P. 35)

(for plug)

□ Water supply hose (1) (P. 37, 38)

□ Bottom cover (1) / Screw (4) (P.35)

□ Spanner(1)

Before Washing

Preparing laundry

Before put clothes in drum

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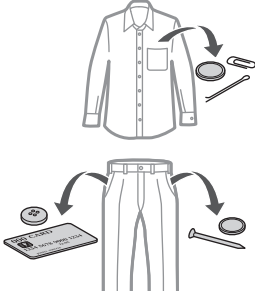
● Use laundry nets for delicates and small items.

Overpack
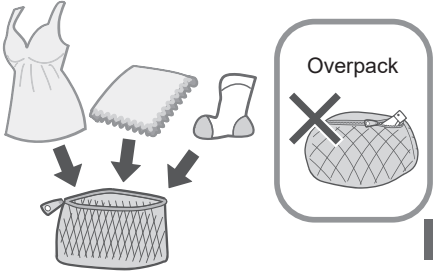
Before Washing (continued)

Pre-laundry check
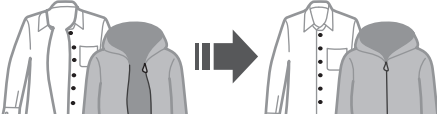
Reverse

Clothes likely to pill

● Wash separately.

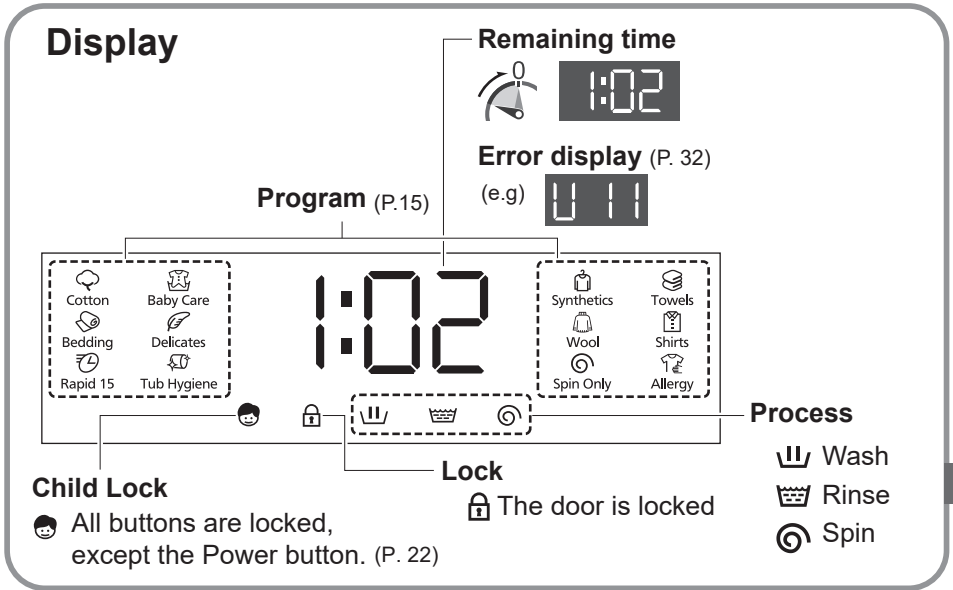White clothes

Coloured clothes
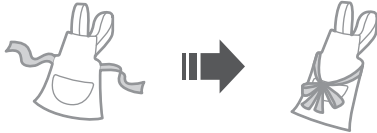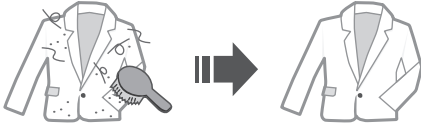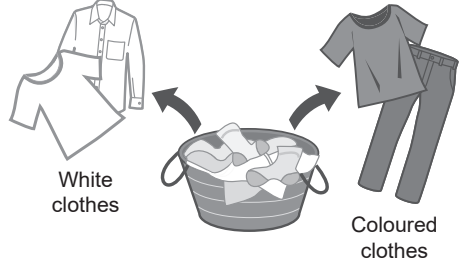
● Pretreat for heavily stains.
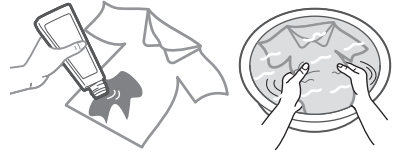
● Observe care labels.

● Clothes for babies & sensitive skin

Control Panel

● Images in these instructions are of the NA-16JF1, unless otherwise indicated.

Display

Remaining time
0
1:02

Error display (P. 32)
(e.g) U 11

Program (P.15)

Cotton   Baby Care
Bedding   Delicates
Rapid 15   Tub Hygiene

1:02

Synthetics   Towels
Wool   Shirts
Spin Only   Allergy

Process

Lock
🔒 The door is locked

Child Lock
😊 All buttons are locked, except the Power button. (P. 22)

Ⱳ Wash
🧺 Rinse
🌀 Spin

Power button

Cotton   Baby Care
Bedding   Delicates
Rapid 15   Tub Hygiene

1:02

Synthetics   Towels
Wool   Shirts
Spin Only   Hygiene

⏻ Press 2 sec

| Temp | Spin x100 r/min | < Program > | Timer | Rinse + |

* 😊 Child Lock Press 3 sec

▶II

Temp
(P. 20)

Spin
(P. 21)

Program
(P. 15)

Timer
(P. 21)

Rinse+ (P. 19)
😊 Child Lock (P.22)
Press & hold 3 sec

Start/Pause button

9

Control Panel (continued)

Touch operation

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

NOTE

- No operation ⮕ auto power off

  On   (Not pressed ▶‖)
  ●●●●●●▶
  5 min.   Auto Power off

- In case of a power failure

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

Detergent

Detergent

Use a low foam detergent.
● To prevent powder detergent from remaining in the detergent drawer:

Wet   Dry

Lumps   Powder

Fabric softener

Separated
or solidified
softeners

Water

Concentrated
softener

NOTE

START   START

11
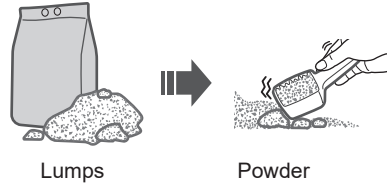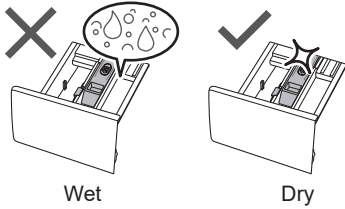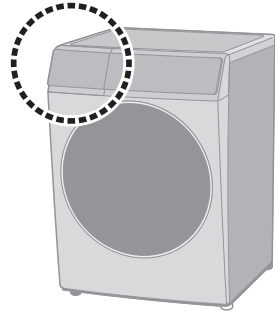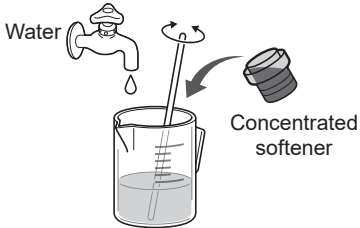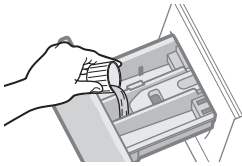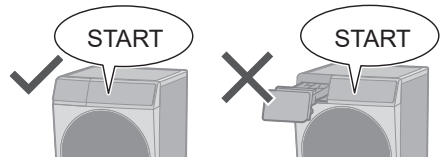
Detergent (continued)

⚒ Main wash

Powder detergent

Liquid detergent

Bleach

✕ Strong acid cleanser

Liquid detergent

When using liquid detergents, please put the liquid detergent accessory in the main wash drawer, then pour the liquid detergents in the plastic box contained with liquid detergent accessory.

Powder detergent
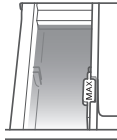
When washing with powder detergent, remove the liquid detergent attachment.

⚘ Softener

✓ MAX

✕ MAX
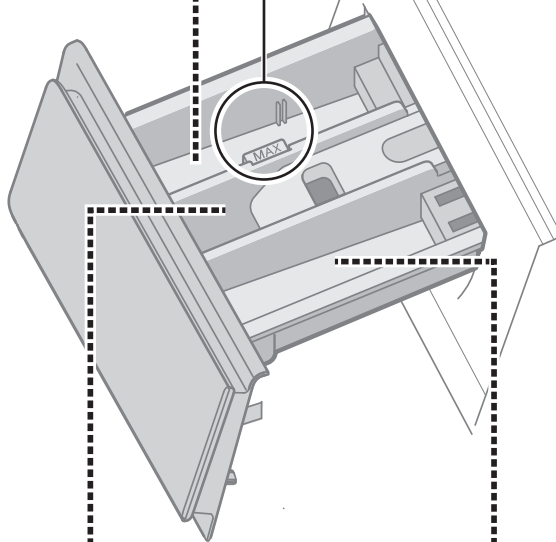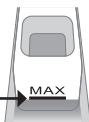
⚒ Pre-wash

Pre-wash is applied to only "Baby care" washing course. Please put detergent (both powder type and liquid type can be used) in this pre-wash drawer when you select "Baby care" course. The laundry will be washed twice.

Detergent in the pre-wash drawer can clean part of dirt on the laundry first, then detergent in the Main wash drawer can clean the laundry at a deeper level.

Washing (Basic Method)

3

2

Cotton Baby Care

Bedding Delicates

Rapid 15 Tub Hygiene

Synthetics Towels

Wool Shirts

Spin Only Hygiene

| Temp | Spin x100 r/min | | ‹ Program › | | Timer | Rinse + | |

⊙ Child Lock
Press 3 sec

Press 2 sec

▶❚❚

Settings

4
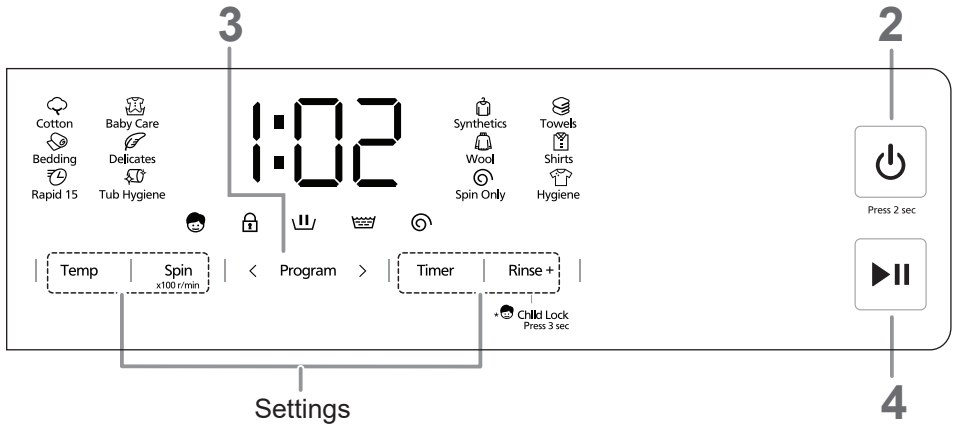
NOTE

■ **Do not let laundry get caught in the door.**
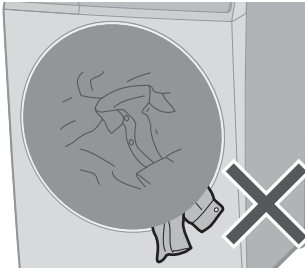
■ **Do not overfill the drum with laundry.**
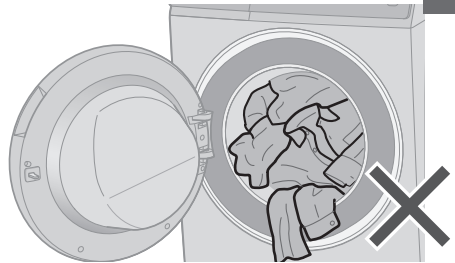
NOTE

● Door does not open ➡ (P. 27)

?

13

Washing (continued)

1

2

⏻

On

3
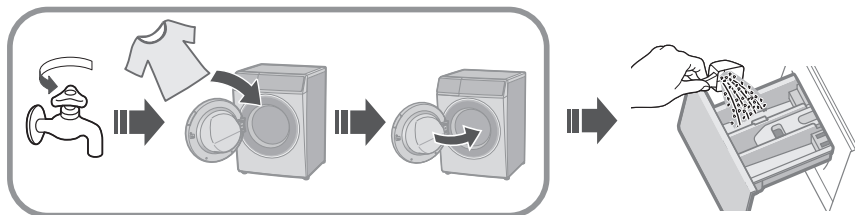
< Program >

Select a program. (P. 15)

■ **Changing the settings.**

⋮

2:00
(e.g.)

Displays the time required (recalculated)

Settings

Temp	Spin x100 r/min
(P. 20)	(P. 21)
Timer	Rinse +
(P. 21)	(P. 19)

4

▶‖

Start

⋮

♪

5

14
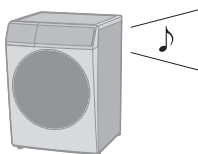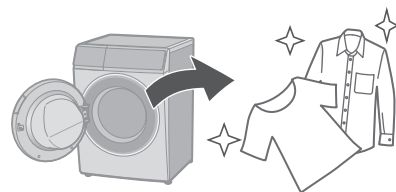
Program List

WASH

Program	Description	Max. load (kg)	Default time
Cotton	● Gentle wash with extra time	8.0	1:22
Baby Care	● Clothes for babies & sensitive skin Rinsing thoroughly	5.0	2:17
Bedding	● Large items	5.0	1:46
Delicates	● Washing gently	3.0	0:59
Rapid 15	● Small loads of lightly soiled	2.0	0:15
Tub Hygiene	● Cleaning the drum	None	1:22

Program List (continued)

Program	Description	Max. load (kg)	Default time
Synthetics	● Chemical fiber,nylon or other similar blending fabric.	5.0	1:17
Towels	● Cotton towels and bath towels, etc.	4.0	1:47
Wool	● Machine-washable woollen clothes	1.0	0:56
Shirts	● Shirts, smocks, and other clothes.	3.0	1:28
Spin Only	● Spinning only	8.0	0:09
Hygiene	● Removes mites and sterilises.	2.4	2:22

Details of Programs

Settings / Program	Auto setting		Setting range		Optional functions	
	Temp (°C)	Spin (r/min)	Temp (°C)	Spin (r/min)	Timer	Rinse+
⌁ **Cotton**	40	1000	Cold, 20, 40, 60	0, 600, 800, 1000	✓	✓
⌁ **Baby Care**	60	800	Cold, 20, 40, 60, 90	0, 600, 800, 1000	✓	✓
⌁ **Bedding**	40	800	Cold, 20, 40, 60	0, 600, 800, 1000	✓	✓
⌁ **Delicates**	20	800	Cold, 20, 40	0, 600, 800	✓	✓
⌁ **Rapid 15**	Cold	800	Cold, 20, 40	0, 600, 800	✓	✓
⌁ **Tub Hygiene**	90	800	60, 90	800	✓	✓
⌁ **Synthetics**	40	800	Cold, 20, 40, 60	0, 600, 800, 1000	✓	✓
⌁ **Towels**	60	1000	Cold, 20, 40, 60	0, 600, 800, 1000	✓	✓
⌁ **Wool**	Cold	600	Cold, 20, 40	0, 600, 800	✓	✓
⌁ **Shirts**	20	1000	Cold, 20, 40	0, 600, 800, 1000	✓	✓
⌁ **Spin Only**	–	1000	–	0, 600, 800,1 000	✓	–
⌁ **Hygiene**	60	1000	60, 90	0, 600, 800, 1000	✓	✓

NOTE

- For normally soiled laundry at the rated capacity, we recommend using the "Cotton, 40 °C, 1000 r/min, RINSE+, 2" which is tested in accordance with IEC 60456 and/or MS IEC 60456 for the energy and water efficiency aspects.
- Actual water temperature may differ from the declared cycle temperature.
- The test 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.
- Pre-wash process is applied to only "Baby care" washing course.

Washing Tips

Bedding

■ Washable items

- 🔲 (Wash) • ✋ (Handwash)
- 100 % cotton or 100 % synthetic

Sheets, bedspreads, undersheets
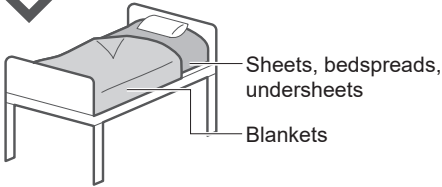
Blankets

■ Not washable items

Electric blankets

Wool   Silk   Long pile   Fake fur

NOTE
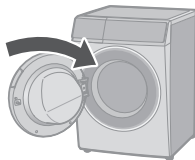
■ Putting blankets into the drum
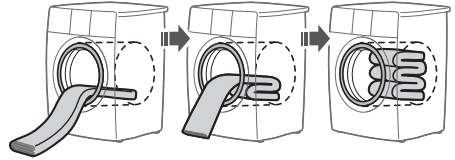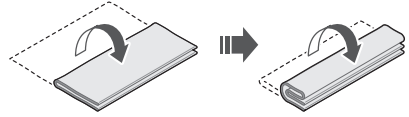
NOTE
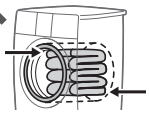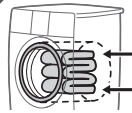
Delicates

■ When washing

- To rinse fully, use the "Rinse+" function. (P. 19)

NOTE

Bleach   Liquid detergent for wool

■ After operation ends

Take out immediately

18
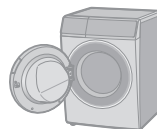
Changing Program Settings

■ Preparing
● Sort the laundry and put it into the drum. (P. 7)
● Add the detergent. (P. 11)
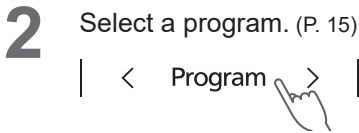
1

On

2 Select a program. (P. 15)

⟨ Program ⟩

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

Cotton Baby Care |:02 Synthetics Towels
Bedding Delicates   Wool   Shirts
Rapid 15 Tub Hygiene   Spin Only Hygiene

| Temp | Spin x100 r/min | ⟨ Program ⟩ | Timer | Rinse + |

Child Lock Press 3 sec

Rinse+

● Available options and setting ranges are different depending on the program. (P. 17)
● An alarm sounds if you select an option that is unavailable.

4

Start
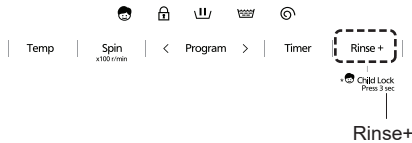
Rinse+

Add the number of rinses.

3 | Rinse +

■ To change the setting while washing

Washing

1

Pause

2

| Rinse + |

3

Start

Changing Program Settings (continued)

■ Preparing
● Sort the laundry and put it into the drum. (P. 7)
● Add the detergent. (P. 11)

1

On

2 Select a program. (P. 15)

⟨ Program ⟩

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

Cotton Baby Care   1:02   Synthetics Towels
Bedding Delicates   Wool Shirts
Rapid 15 Tub Hygiene   Spin Only Hygiene

Temp | Spin | ⟨ Program ⟩ | Timer | Rinse +
      x100 r/min
                              Child Lock
                              Press 3 sec

Temp Spin   Timer

● Available options and setting ranges are different depending on the program. (P. 17)
● An alarm sounds if you select an option that is unavailable.

4

▶II

Start
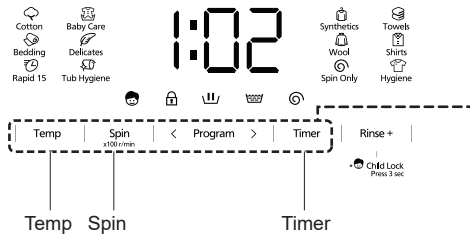
Temp

Change the washing temperature.

Low   High

■ Setting guide

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

3 | Temp (P. 20)

Spin	**Timer**

Spin

Change the spin speed.

Low　　　　　　High

■ **Setting guide**

Low	High
• To reduce wrinkling	• To dry more thoroughly

3 | Spin x100 r/min (P. 17)

■ **To change the setting while washing**

Washing

1	▶II Pause
2	Spin x100 r/min
3	▶II Start
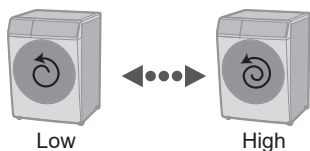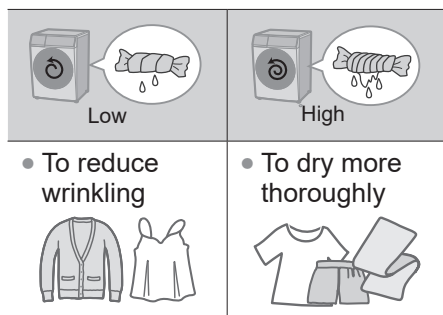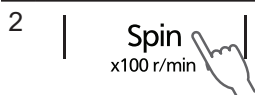
Timer

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

1:00 (e.g.) Auto start 9:00 (e.g.)

Set

3 | Timer (e.g.)

■ **To check a preset time**

▶II
Pause

■ **To cancel settings**

⏻ (All settings are cancelled)
Turn off

NOTE

▶II ▶ (e.g.)
Start
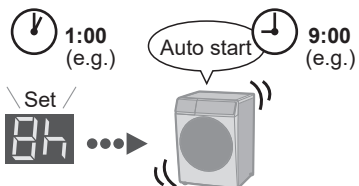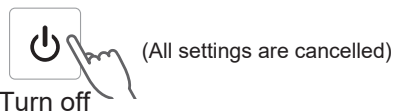
▶ All indications turn off except 🔒

• Not available: P. 17

Changing Appliance Settings

Setting the Child Lock

All are locked, except the Power button.

1
On

2 < Program > ●●●▶ ▶II
Select **Start**

3 Rinse + **Hold 3 sec.**
* 😊 Child Lock Press 3 sec

♪x2
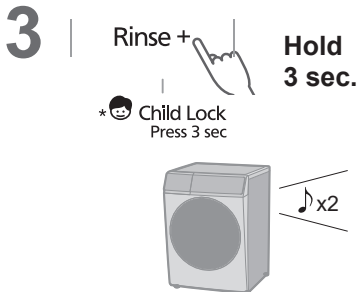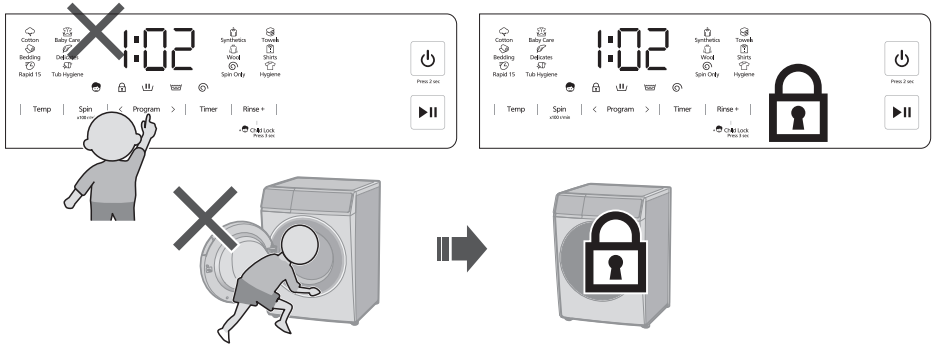
■ **To cancel:**

Same procedure ♪x2

(NOTE)
● Child lock is not released, even when the power is turned off.

Maintenance

Water supply filter

If water does not flow smoothly or if ⊞ ⊞ error message appears

1
Empty

2 ⏻
On

3 ‹ Program ›

Select "Cotton"

4 ▶❚❚ 1 min. ⏻
Start ●●●●● ▶ Turn off

5

6 Water supply filter

7

8

9

Maintenance (continued)

Door seal

Detergent drawer

Power plug   Tap

Drum

Window   Drain filter
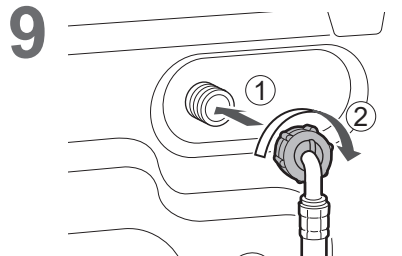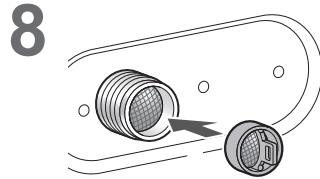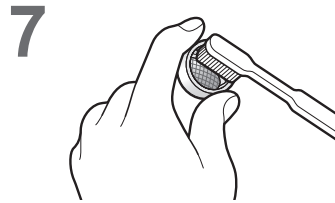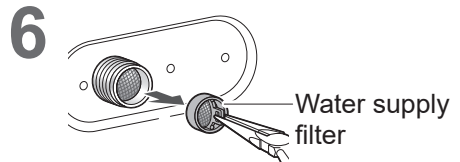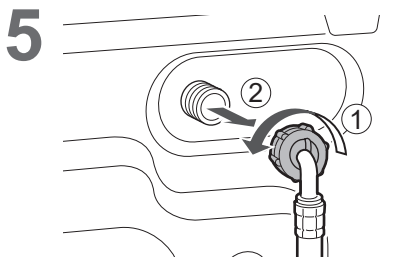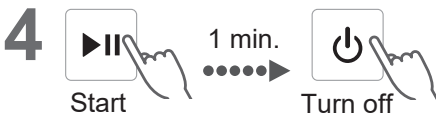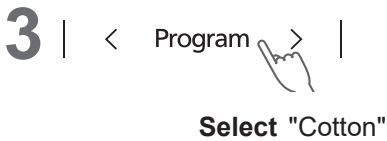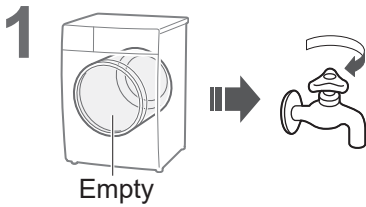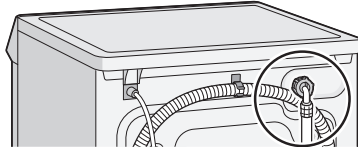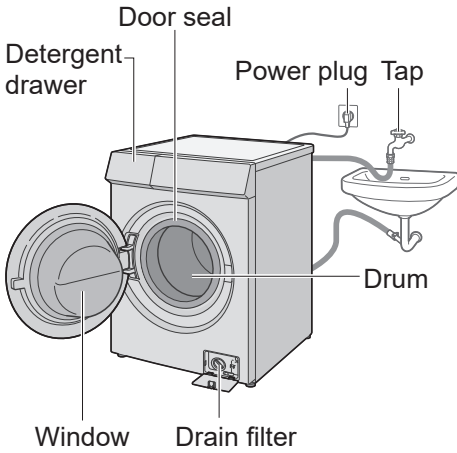
Appliance
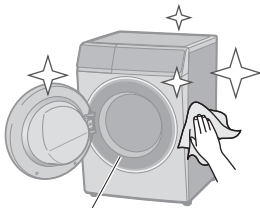
Door seal
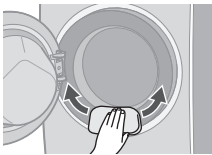
For heavy soil

Mild kitchen detergent
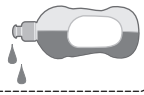
NOTE

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

Detergent drawer

1

②

①

2

3

4

5

Drum

Once a month
<Tub Hygiene>

1

2
No clothing ➡ On

3 | ‹ Program › |

Select "Tub Hygiene"

4 ▶II ●●●▶
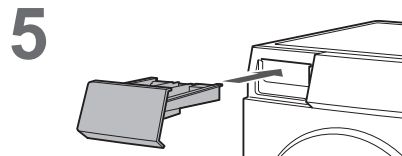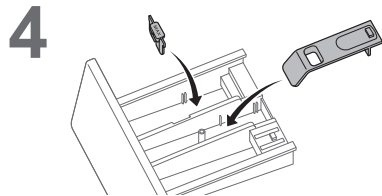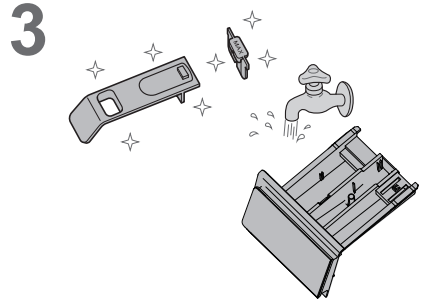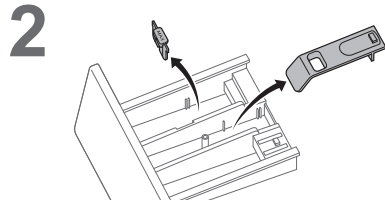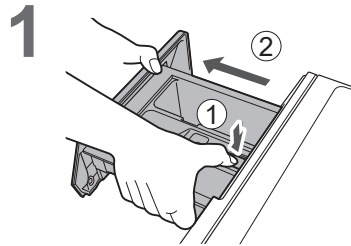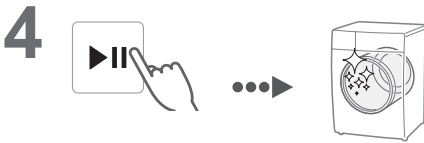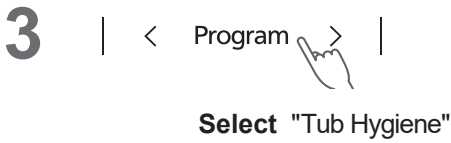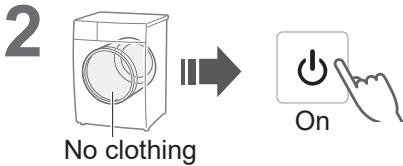
Drain filter

Once a month or if ⬚ ⬚ error message appears

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

⚠ **CAUTION**

Hot water
(possibly scalding water)

1
Turn off

2

3
Drain filter

Cloth
(Water will come out.)

4
① ②

5 Replace

1   2 Until it is in place

3
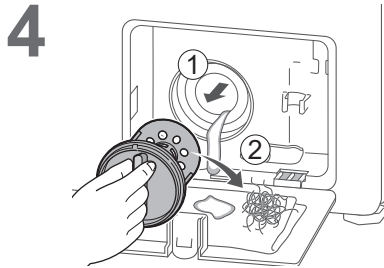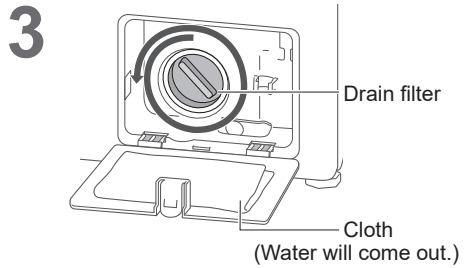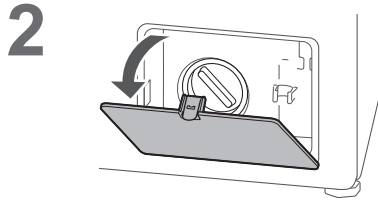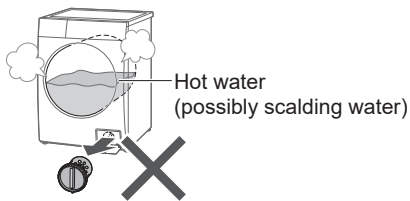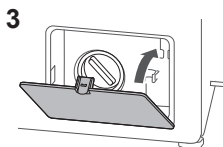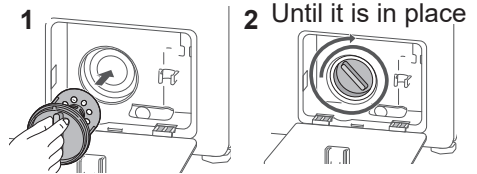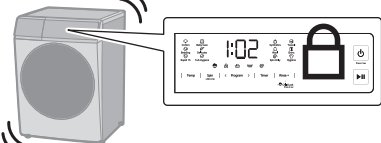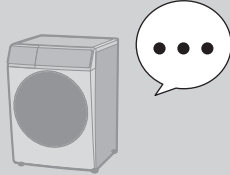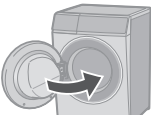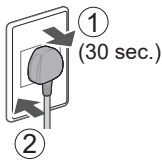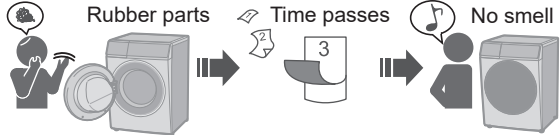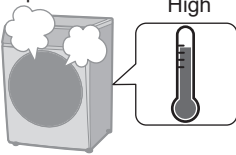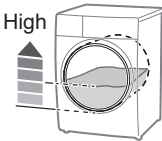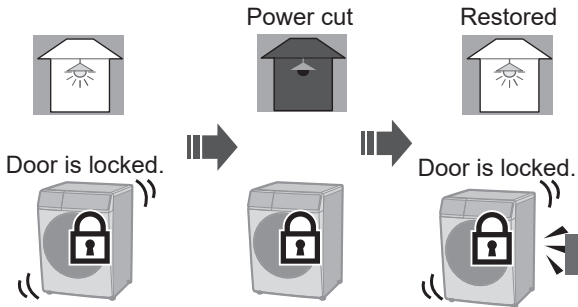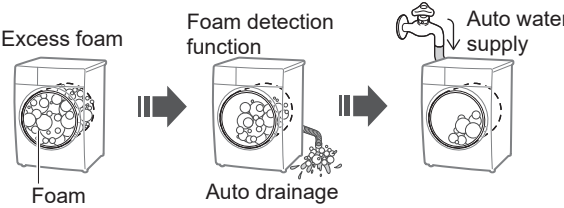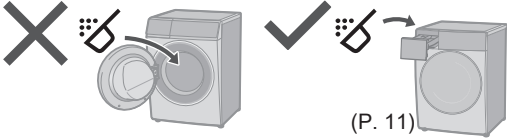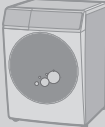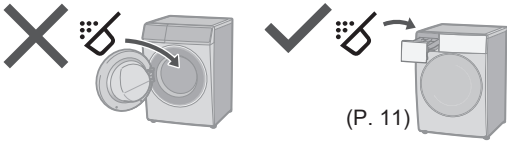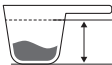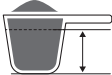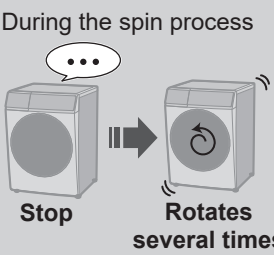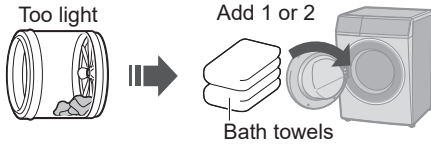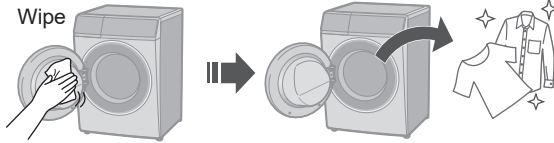
Troubleshooting

Symptoms	Points to be checked
Main unit	
Touch the buttons No reaction	□ Possible cause ● During an operation □ Try ● Child lock (P. 22) (Off)
No operation	□ Check ● Power cut ● Timer □ Try ● Close the door. ● Turn on. ● Unplug and insert again. ① (30 sec.) ② ● Press "Start". ● Turn the breaker on.
Odour of rubber	□ Possible cause Rubber parts Time passes No smell □ Try "Tub Hygiene" (P. 25)
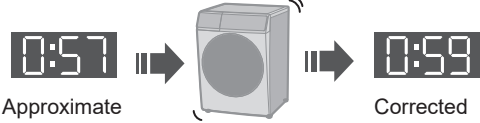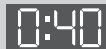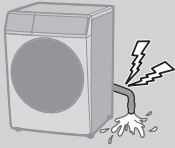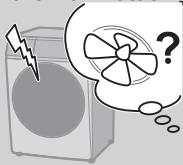
Symptoms	Points to be checked
Main unit	

Door does not open

□ Possible cause
  ● During an operation (Washing)

Door is locked.

□ Check
  ● Temperature   High   ● Water level

High

NOTE

Power cut   Restored

Door is locked.   Door is locked.

Wash

During a wash

Wash

Water drainage

□ Possible cause

Excess foam   Foam detection function   Auto water supply

Foam   Auto drainage
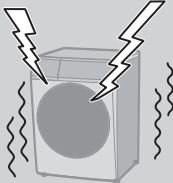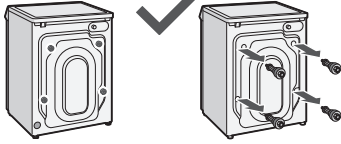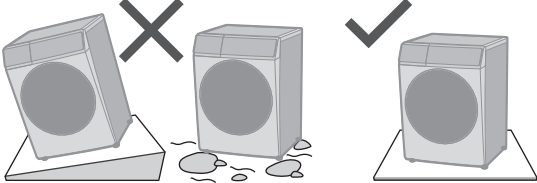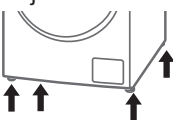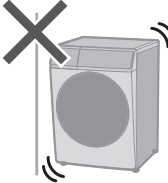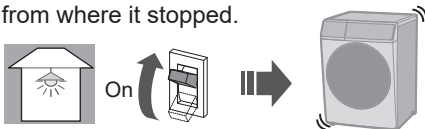
Troubleshooting (continued)

Symptoms	Points to be checked
After washing	□ Check (P. 11)
Foam	□ Possible cause ● The amount of foam varies. ● Temperature ● Water level ● Water softness
Not enough	□ Check ● Powder detergent (P. 11) ● Too little detergent ● Low foam detergent ● Heavily soiled ● Load too large
Too much	□ Check ● Too much detergent

Detergent and foam
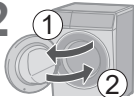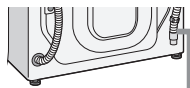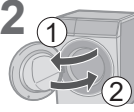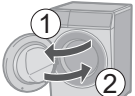
Symptoms	Points to be checked
Rinse/Spin	

Symptoms	Points to be checked
During the spin process • • • **Stop** **Rotates several times**	□ Possible cause Unevenness Evenness Auto correct Stop Auto correct □ Try Too light Add 1 or 2 Bath towels
After washing **Foam or water**	□ Try Wipe
Spin changes to Rinse Spin Rinse	□ Possible cause ● If clothes are uneven, this appliance automatically corrects unevenness using the rinse process.

29

Troubleshooting (continued)
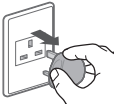
Symptoms	Points to be checked
Time **During a wash** Displayed time `0:57` ●●●▶ `0:59` Changes	☐ Possible cause ● Remaining time is corrected during operation. `0:57` ▯▶ ▯▶ `0:59` Approximate Corrected ● If the settings are changed ● If clothes are uneven Temp │ Spin x100 r/min │ ‹ Program › │ Timer │ Rinse + │ Child Lock Press 3 sec ▯▶ The remaining time may increase.

Remaining time
Does not decrease
`0:57` ●●●▶ `0:57`
or
Suddenly decrease
`0:57` ●●●▶ `0:40`
	☐ Possible cause
	There is deviation in the weight of laundry, watery supply time and balancing time.

Noise **During water drainage**	☐ Possible cause ● This is normal. The drain pump is working.
Sound of fan rotating	☐ Possible cause ● This is normal. The drain pump is working.

	Symptoms	Points to be checked
Noise	**Unusual noise (or vibration)**	□ Check ● Metal items ● Shipping bolts (P. 36) ● Slope or an unstable surface ● Adjust 4 feet. (P. 36) ● Touching ● Uneven
Others	Power cut Breaker Off	□ Check ● When the power recovers, operation resumes from where it stopped. On

Error Display

Error code	Code description	Points to be checked
U 14	**Unable to supply water**	**1** Check **2** ① ② **3** ▶II Start Water outage Turned off Water supply filter (P. 28) ● Check the water pressure. (0.03 - 0.8 MPa) ● To repair or replace parts, contact authorized repair agents.
U 11	**Unable to drain**	**1** Check **2** ① ② **3** ▶II Start ✕ ✕ Lint ✕ ✕ (P. 25) ● Confirm that the drain hose is attached correctly. (P. 38) ● To repair or replace parts, contact authorized repair agents.
U 13	**Unable to spin**	**1** Check **2** ① ② **3** ▶II Start Uneven Even Unstable or inclined Stable Too much Reduce Too little Add

Error Display (continued)

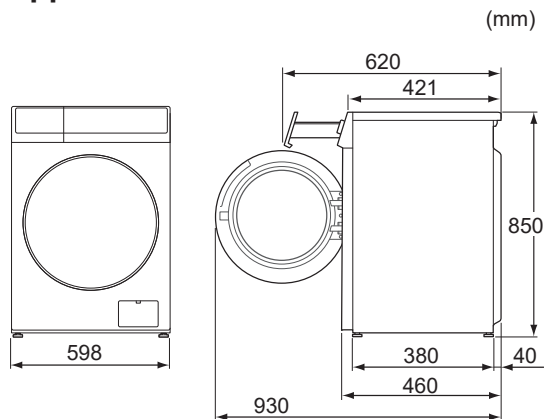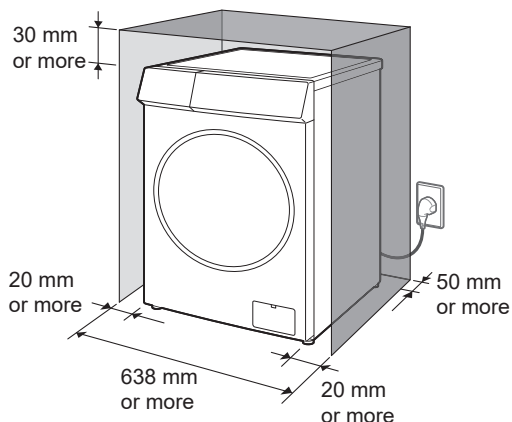| Error code	Code description	Points to be checked
U 12	**Door is open**	**1** **2** ▶II Start • To repair or replace parts, contact authorized repair agents.
H01	**Overflow alarm**	
H 14	**Computer board fault**	**1** **2** **3** Contact authorized repair agents.
H09	**Communication error between computer board and motor**	
H 17	**Temperature sensor error**	

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.
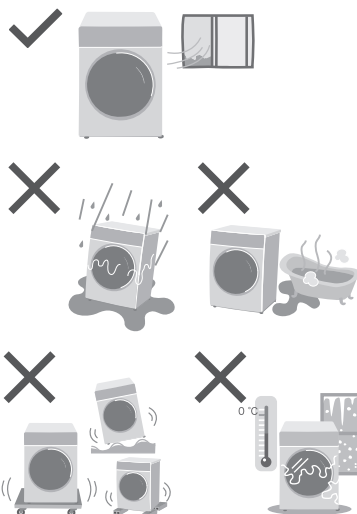
Appliance dimensions

(mm)

620
421
850
598
380   40
460
930

■ **Set-in installation**

30 mm or more

20 mm or more

638 mm or more

20 mm or more

50 mm or more

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

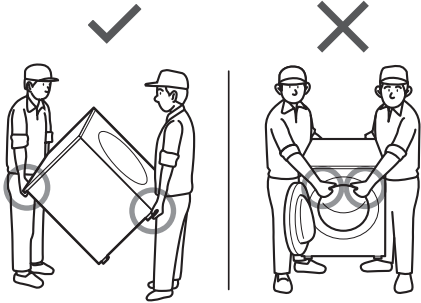## Check the location.

0 °C

NOTICE

May cause malfunction.

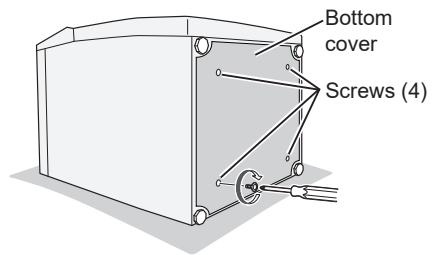Do not install the appliance near the equipment that generates electromagnetic waves, such as an IH rice cooker.

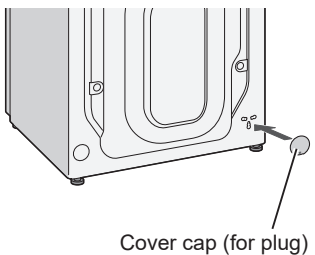# Moving and Installing

Carrying the appliance
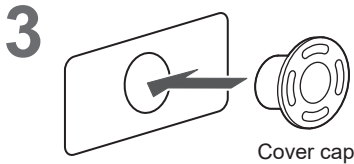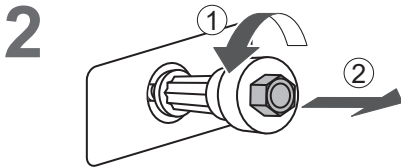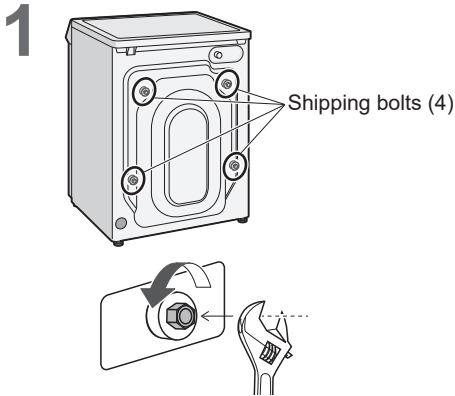
Do not do it alone.

Installing the bottom cover

Bottom cover
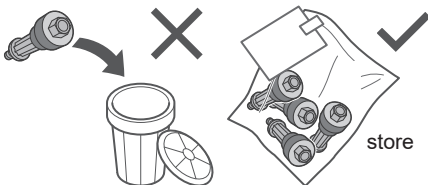
Screws (4)

Covering the hole for plug

Cover cap (for plug)

Moving and Installing (continued)

Removing the shipping bolts

1

Shipping bolts (4)

2

① ②
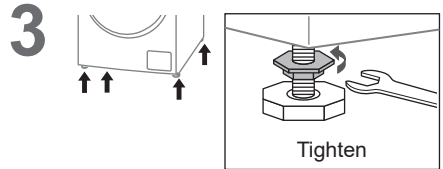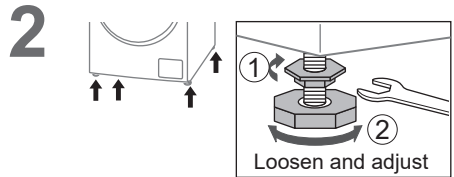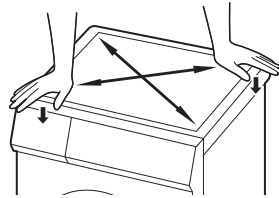
3

Cover cap

NOTE

store

■ **Moving the appliance again**
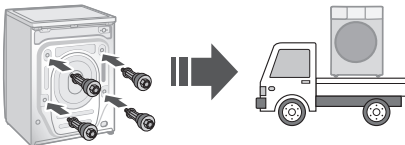
Levelling the appliance

1 **Press on opposing corners of the top to check that the feet don't wobble.**

2

① ②

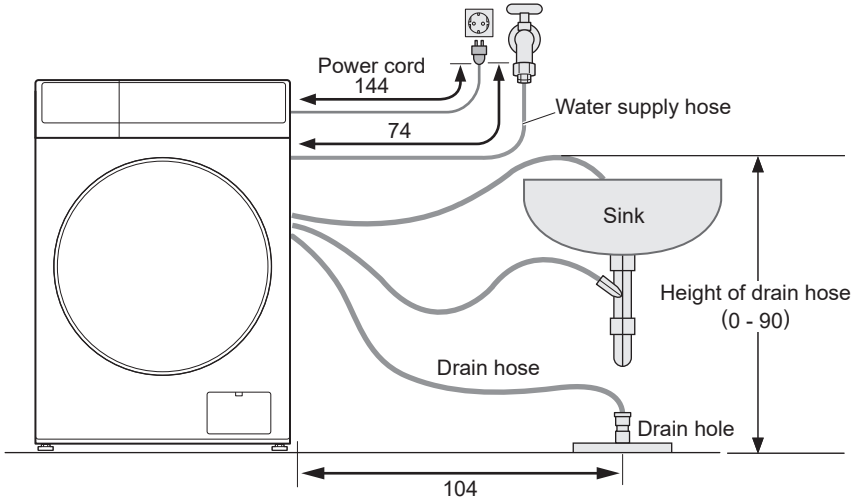Loosen and adjust

3

Tighten

NOTE
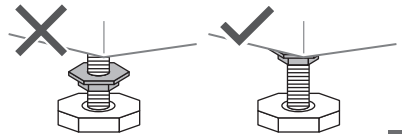
Connecting the Hoses

Connect the hoses properly to prevent water leaks.

Maximum connection distances for hoses and the power cord

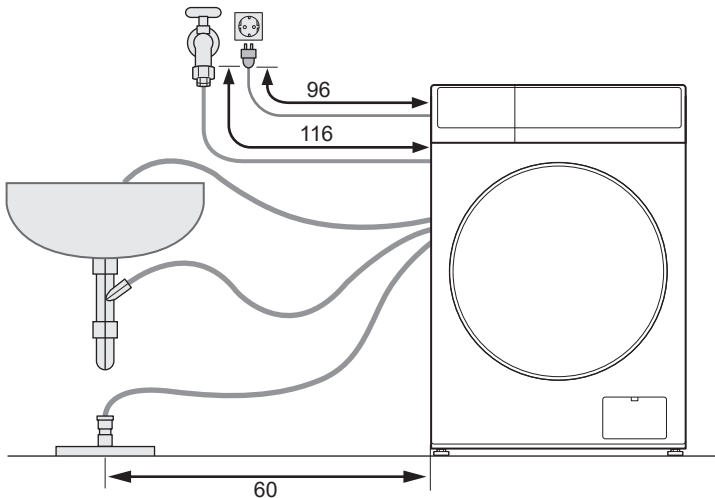### Right side connection

(cm)

Power cord
144
Water supply hose
74
Sink
Height of drain hose
(0 - 90)
Drain hose
Drain hole
104

Left side connection

(cm)

96
116
60

Connecting the Hoses (continued)
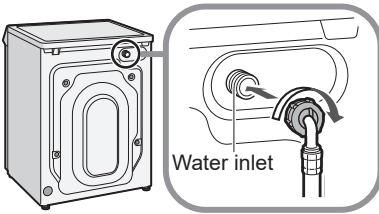
Water supply hose
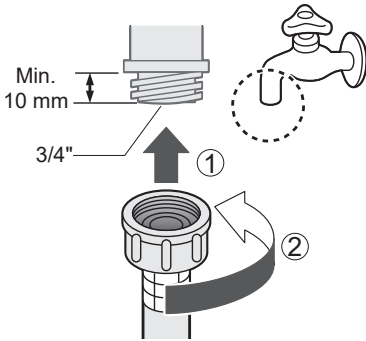
■ Connecting the water supply hose

> ### ⚠ CAUTION
> ● Tighten the nut firmly.
> ● Do not twist, squash, modify or cut the hose.

1

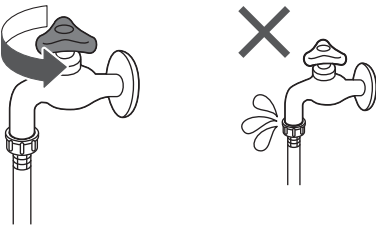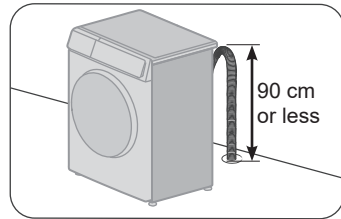Water inlet

2

Min. 10 mm

3/4"

①
②

3

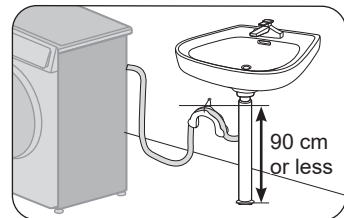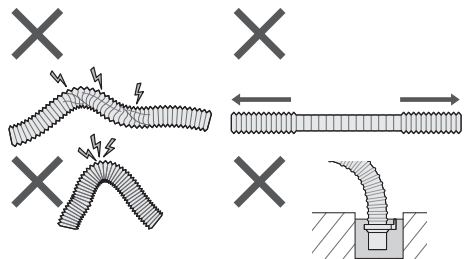## Drain hose

■ Draining to a sink or wash basin

NOTICE
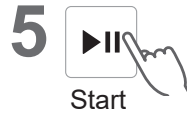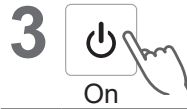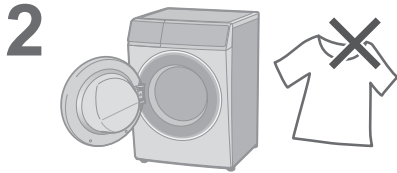
90 cm or less

Hose hanger (supplied)
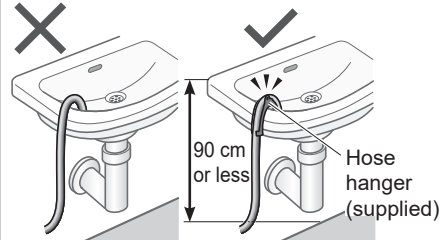
■ Draining to a floor directly

90 cm or less

■ Draining to a sink drain hose branch

90 cm or less

NOTE

Test Run

1

2

3 On

4 ‹ Program › **Rapid 15**

5 ▶II Start
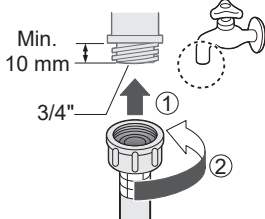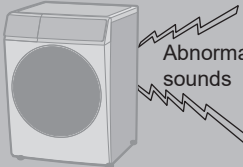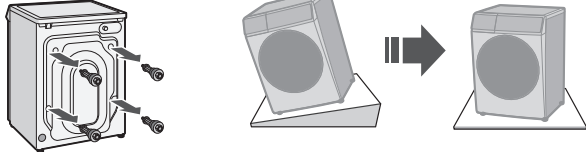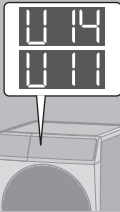
Checking after test run	
Problem	**Causes and Measures**
Water leaks	Connect the water supply hose properly. Min. 10 mm 3/4"
Abnormal sounds	● Remove the shipping bolts (P. 36). ● Install stably.
Error display U 14 U 11	See P. 32.

Specifications

	NA-16JF1
Rated voltage (V)	220 - 240
Rated frequency (Hz)	50
Heating Washing Power (W)	1300
Maximum spin speed (r/min)	1000
Product dimensions (W x D x H) (mm)	598 × 515 × 850
Product weight (kg)	54
Maximum mass of dry cloth (Wash) (kg)	8.0
Pressure of tap water (MPa)	0.03 - 0.8