# **Panasonic**®

# Operating & Installation Instructions

Washing Machine (Household Use)

Model No. NA-V11FX2 NA-V10FX2 NA-V90FX2 NA-V10FX1 NA-V11FG2 NA-V10FG2 NA-V90FB1



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ΕN

Thank you for purchasing this product.

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



# **Safety Precautions**

# **N** WARNING

#### May cause serious injury or death

#### Children must not use it alone.

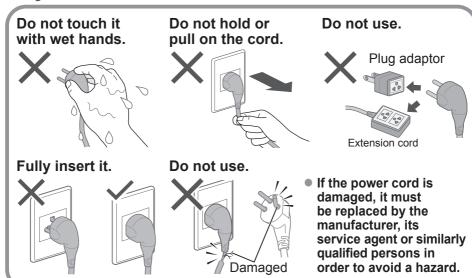


- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children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

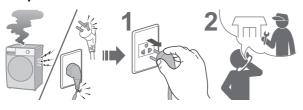
#### Setting the Child Lock. (P. 26)



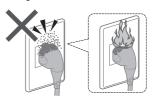
#### May cause fire or electric shock



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



Accumulated dust may cause fire.



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



Wipe the power plug periodically.



Use a socket appropriate for this appliance.









 The plug shape, socket shape and rating requirement vary with the region. Keep away from flammable materials.



#### May cause failure

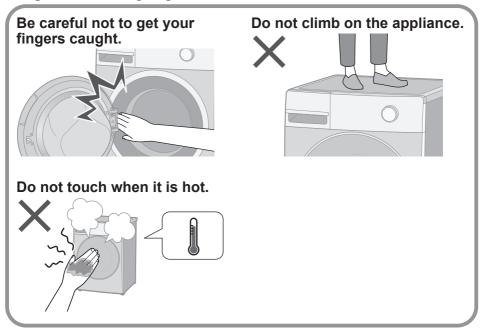
Do not disassemble, repair or modify it by yourself.



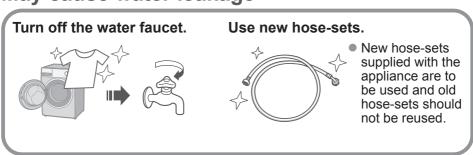
# Safety Precautions (continued)

# **!** CAUTION

#### May cause injury



#### May cause water leakage



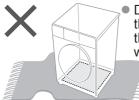
■ For maximum mass of dry cloth and pressure of tap water, see P. 44.

#### May cause failure

# Keep away from heat and direct sunlight.



#### Do not obstruct.



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

# Remove anchor bolts before operation.



#### Do not use hot water.



#### For machine-washable items only.



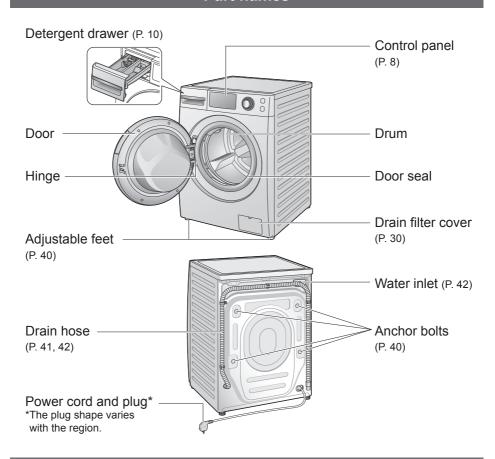
- This appliance is intended to be used in household. This appliance is not intended to be used in applications such as:
  - staff kitchen areas in shops, offices and other working environments;
  - farm houses:
  - by clients in hotels, motels and other residential type environments;
  - bed and breakfast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





☐ Cover caps (4) (P. 40)



□ Water supply hose (1) (P. 41, 42) □ Bottom cover (1) /Screw (1) (P. 39)



# **Before Washing**

#### **Preparing laundry**

#### Before put clothes in drum

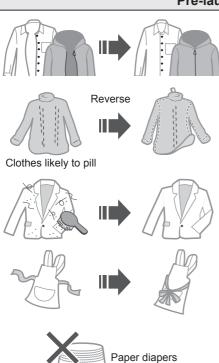
Remove foreign objects.



 Use laundry nets for delicates and small items.



#### Pre-laundry check



Observe care labels.



Wash separately.



Pretreat for heavily stains.



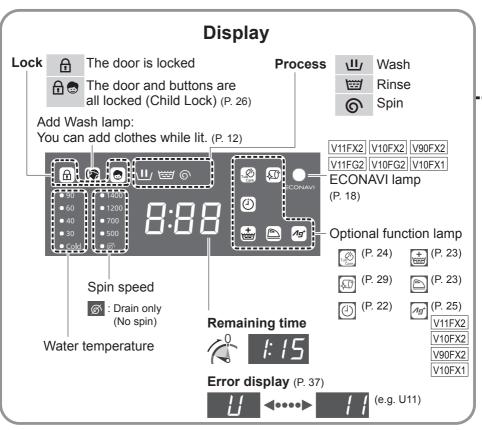
#### NOTE

V11FX2 V10FX2 V90FX2 V10FX1 V11FG2 V10FG2

 "Mud / Oily Sauce / Collar & Sleeve" programs (P. 15) are recommended for removing stains.

# **Control Panel**

 Images in these instructions are of the NA-V11FX2, unless otherwise indicated.



#### ■ NA-V11FG2/NA-V10FG2

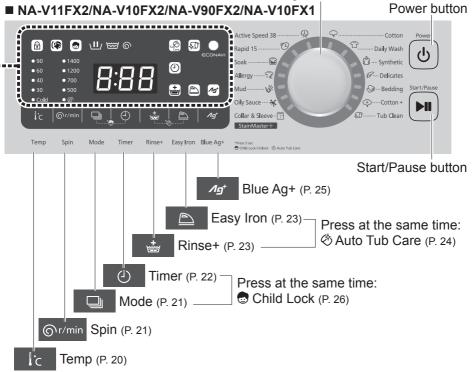


#### ■ NA-V90FB1



#### **Control buttons**

Program selection dial (P. 14)



#### Touch operation V11FX2 V10FX2 V90FX2 V10FX1 V11FG2 V10FG2

Operation buttons are capacitive (Except for 💩 / 🖭 ).

 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





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

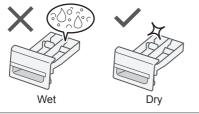
# **Detergent**

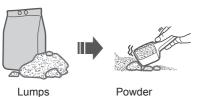
Follow the instructions on each package.

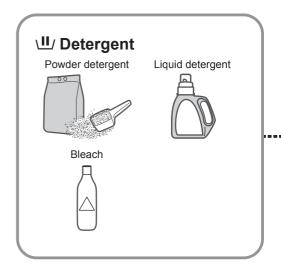
#### Detergent

Use a low foam detergent.

 To prevent powder detergent from remaining in the detergent drawer:







#### Fabric softener



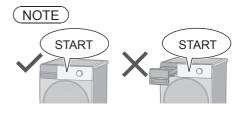


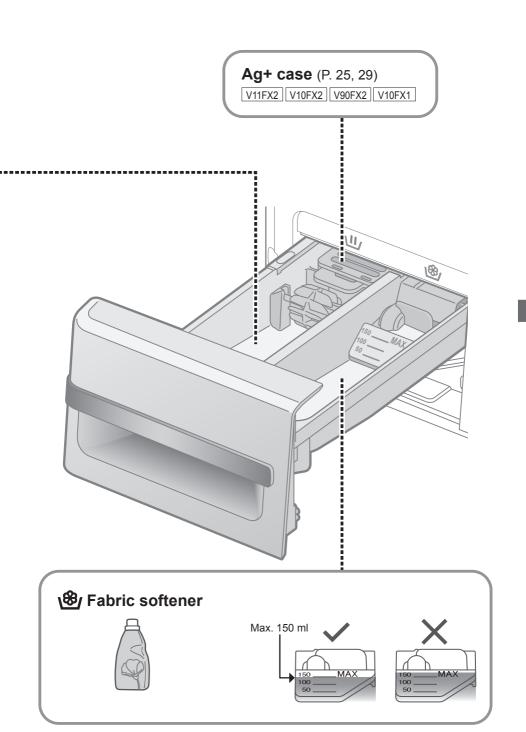


Separated or solidified softeners



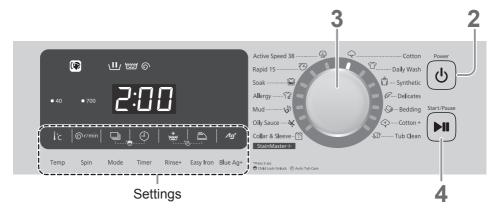






# Washing

**Basic Method** 



#### NOTE

■ Do not let laundry get caught in the door.



■ Do not overfill the drum with laundry.



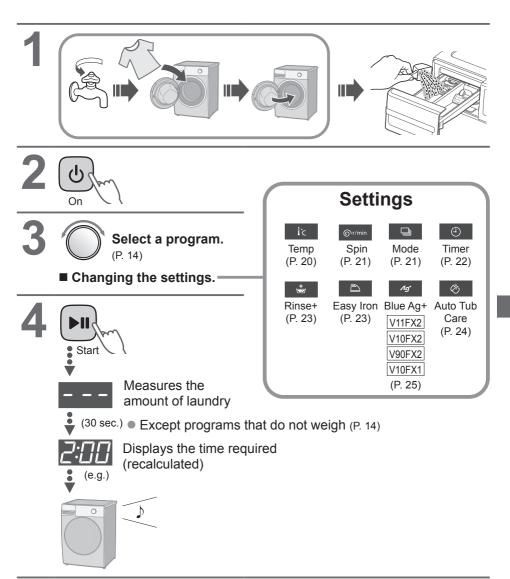
■ To open the door during operation (You can add clothes when [\*\*] lit.)



#### NOTE

■ Door does not open ⇒ (P. 32)







# **Program List**

	Program	Description	V11FX2/ V11FG2	V10FX2/ V10FX1/ V10FG2	V90FX2 V90FB1	Total time
<b>\( \phi \)</b>	Cotton	• Everyday clothes	11.0	10.0	9.0	2:30
압	Daily Wash	Everyday clothes (Quicker than "Cotton" program)	11.0	10.0	9.0	1:30
Ů	Synthetic	• Chemical fibres		5.	0	1:05
P	Delicates	Washing gently		2.	0	0:50
<b>©</b>	Bedding	Large items		3.	0	1:30
<b>(</b>	Cotton +	• Gentle wash with extra time	11.0	10.0	9.0	3:00
Ð	Tub Clean	Cleaning the drum.		No	ne	3:45

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

Programs that the load is not weighed after pressing "Start/Pause": Synthetic, Deliates, Bedding, Rapid 15.

Program	Description	V11FX2/ V11FG2	Max loa V10FX2/ V10FX1/ V10FG2	ad (kg) V90FX2	V90FB1	Total time
Active Speed 38	• Small loads		5.0			
Rapid 15	Small loads of lightly soiled	2.0			0:15	
Soak	Heavily-soiled clothes		5.	0		2:00
1 Allergy	• For ticks and pollen	11.0	10.0	9	.0	3:15
₩ Mud		11.0	10.0	9.0	-	3:20
<b>★</b> Oily Sauce	5	11.0	10.0	9.0	-	3:00
Collar & Sleeve		11.0	10.0	9.0	-	3:10
Intensive	Washing powerfully		-		9.0	3:25

# **Details of Programs**

Settings		Available mo	odels	Autos		
_		V11FX2/V11FG2/ V10FX2/V10FX1/ V10FG2/V90FX2	V90FB1	Temp (°C)	Spin (r/min)	
$\Diamond$	Cotton	✓	✓	40	1200	
T	Daily Wash	✓	✓	40	1200	
Ů	Synthetic	✓	✓	30	700	
P	Delicates	✓	✓	30	500	
<b>©</b>	Bedding	✓	✓	Cold	700	
<b>(</b>	Cotton +	✓	✓	60	1400	
₹D'	Tub Clean	✓	✓	40	1200	
(j)	Active Speed 38	✓	✓	40	1200	
<b>7</b>	Rapid 15	✓	✓	Cold	1200	
	Soak	✓	✓	40	1200	
TE	Allergy	✓	✓	90	1200	
Ri	Mud	✓	_	40	1200	
*	Oily Sauce	✓	_	40	1200	
<b>₩</b>	Collar & Sleeve	✓	_	40	1200	
	Intensive	_	✓	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.
- 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.

Setting range			Optional functions					
Temp (°C)	Spin (r/min)	Mode	Timer	Rinse+	Easy Iron	Blue Ag+	Auto Tub Care	
Cold, 30, 40, 60	Ø, 500, 700, 1200, 1400	✓	✓	✓	✓	✓	✓	
Cold, 30, 40, 60	Ø, 500, 700, 1200, 1400	✓	$\checkmark$	✓	✓	✓	$\checkmark$	
Cold, 30, 40	Ø, 500, 700, 1200	<b>✓</b>	$\checkmark$	✓	✓	✓	$\checkmark$	
Cold, 30, 40	Ø, 500	✓	_	✓	_	✓		
Cold, 30	Ø, 500, 700	✓	✓	✓	-	✓	-	
Cold, 30, 40, 60	Ø, 500, 700, 1200, 1400	✓	$\checkmark$	✓	✓	✓	✓	
40	1200	_	_	_	_	-	-	
Cold, 30, 40	Ø, 500, 700, 1200, 1400	✓	✓	_	✓	✓	✓	
Cold	Ø, 500, 700, 1200	_	✓	_	_	_	-	
Cold, 30, 40	Ø, 500, 700, 1200, 1400	✓	✓	✓	✓	✓	✓	
60, 90	Ø, 500, 700, 1200	_	$\checkmark$	✓	✓	_	✓	
40	Ø, 500, 700, 1200, 1400	✓	$\checkmark$	✓	✓	✓	✓	
40	Ø, 500, 700, 1200, 1400	✓	$\checkmark$	✓	✓	✓	✓	
40	Ø, 500, 700, 1200, 1400	✓	$\checkmark$	✓	✓	✓	✓	
40	<u></u> 500, 700, 1200, 1400	✓	✓	✓	✓	_	✓	

Blue Ag+: V11FX2 / V10FX2 / V10FX1 / V90FX2

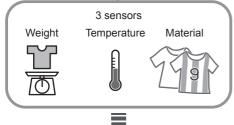
# **Washing Tips**

#### **ECONAVI**

# V11FX2 V10FX2 V90FX2 V11FG2 V10FG2 V10FX1

"Cotton" program only









#### ■ Lamp indications



- **ECONAVI** enabled
- ECONAVI disabled

#### **Delicates**

#### ■ When washing

 To rinse fully, use the "Rinse+" function. (P. 23)







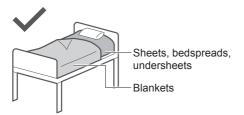
■ After operation ends



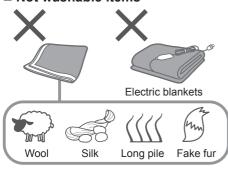
#### Bedding

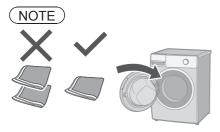
#### **■** Washable items

- 🔐 🚾 (Wash) 🖫 (Handwash) 100 % cotton or 100 % synthetic

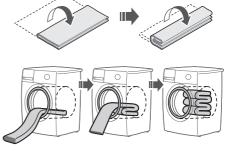


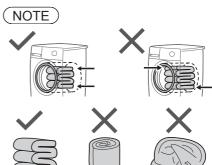
#### ■ Not washable items





#### ■ Putting blankets into the drum





# **Changing Program Settings**

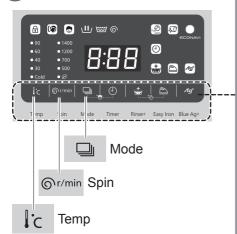
#### ■ Preparing

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



**2** (P. 14)

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.

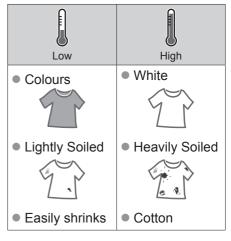
4 Start



Change the washing temperature.



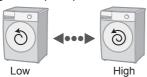
■ Setting guide



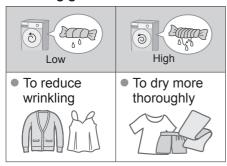


#### ⊚r/min Spin

Change the spin speed.



■ Setting guide



(P. 17)

■ To change the setting while washing



1 Pause

2 @r/min

3 Flori

#### ■ Mode

Select a combination of wash, rinse and spin.



3

<b>Ⅲ</b> ,*1	Wash
*2	Rinse
<b>⑥</b> *2	Spin
₩	Wash and rinse
ш (6)	Wash and spin
<b>₩</b> 6 *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)





# Change the program's settings.

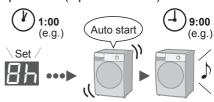


- Available options and setting ranges are different depending on the program. (P. 16)
- An alarm sounds if you select an option that is unavailable.





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



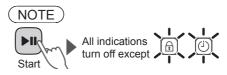


#### ■ To check a preset time



■ To cancel settings





Not available: P. 17

#### **掛 Rinse+**

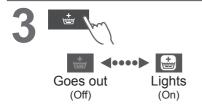
Add an extra rinse.



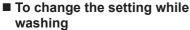
#### **Easy Iron**

Gentle spindry (at 700 r/min or less) makes ironing easier.

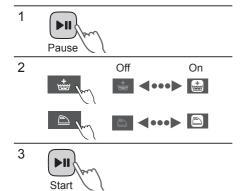












#### NOTE)

After operation ends

Rotate intermittently



Reduce wrinkles and untangles

\* WASH programs: Up to 30 min.

(To take out the laundry during operation)



or



# **Changing Program Settings** (continued)

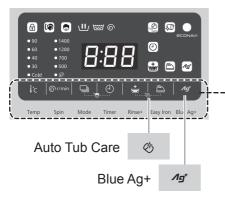
#### ■ Preparing

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



**2** (P. 14)

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.



#### **Auto Tub Care**

Add tub cleaning process.







V11FG2 V10FG2





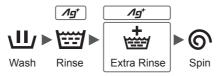
#### NOTE

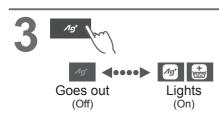
The setting is memorized.

#### /∮ Blue Ag+

V11FX2 V10FX2 V90FX2 V10FX1

Bacteria elimination function (Max. 3 kg).





#### ■ Service life for Ag+ case

- "Blue Ag+" works for about 300 to 350 times (for about 7 years if used once a week).
- Replace the case when the contents are decreased.





- Replace
- (P. 29)

Wash without "Ag+"



#### NOTE

 Do not use the water for other purposes.

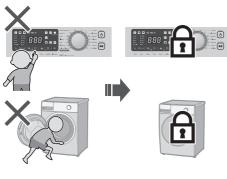


- The kind of clothes, detergent, softener, and water hardness may affect the result.
- Stop use if itchy, etc.

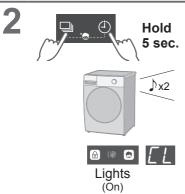


# **Changing Appliance Settings**

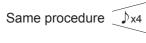








■ To cancel:



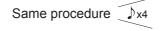


#### Cancelling the buzzer





■ To reset:

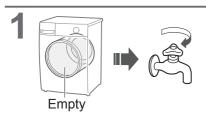


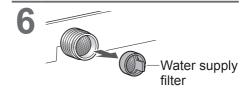
# **Maintenance**

#### Water supply filter

#### If water does not flow smoothly



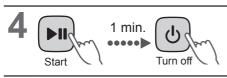


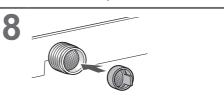


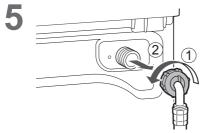


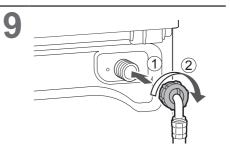




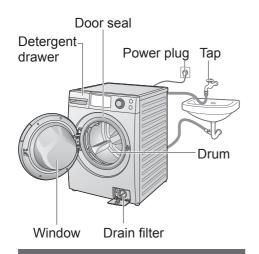




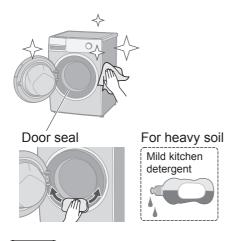




# Maintenance (continued)



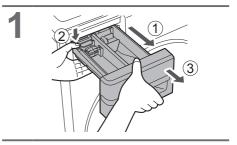
#### **Appliance**

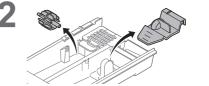


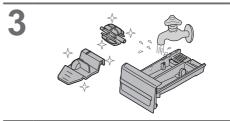


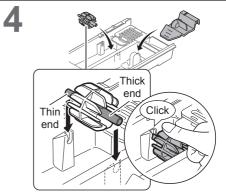
 Do not use gritty cleaners or thinners, or products containing alcohol or paraffin oil.

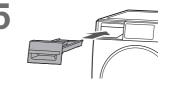
#### **Detergent drawer**







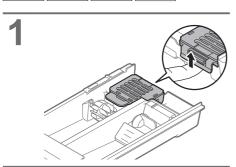


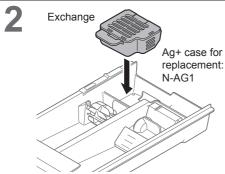


#### If the contents are decreased

#### ■ Change Ag+ case

V11FX2 V10FX2 V90FX2 V10FX1





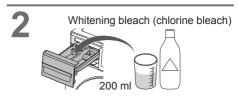
#### NOTE

You cannot open Ag+ case.

#### Drum

# Once a month or if flashes Tub Clean>

1









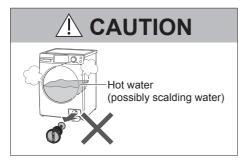
#### NOTE

 If the "Tub Clean" program is not run, the indicator goes off when other program is run 3 times.

# Maintenance (continued)

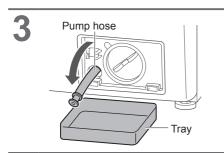
#### **Drain filter**

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



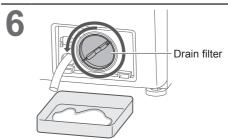


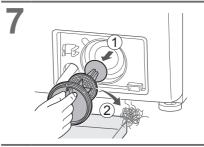


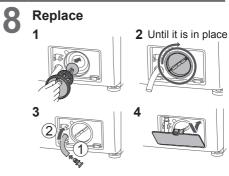




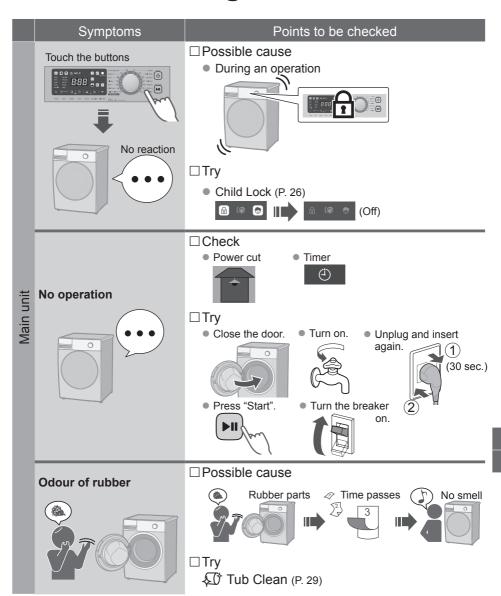




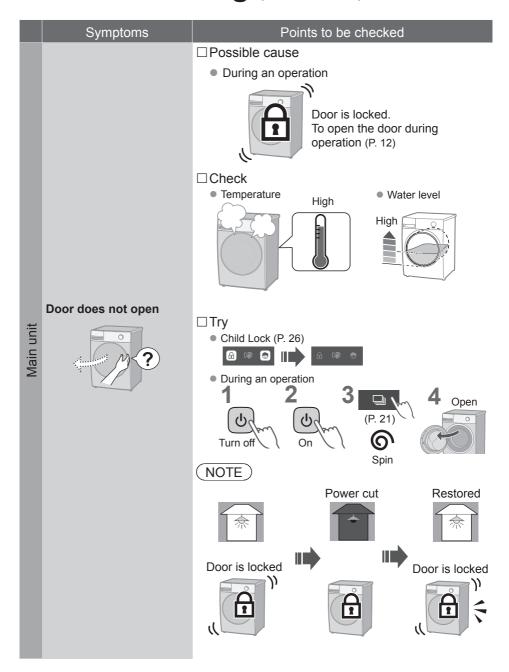


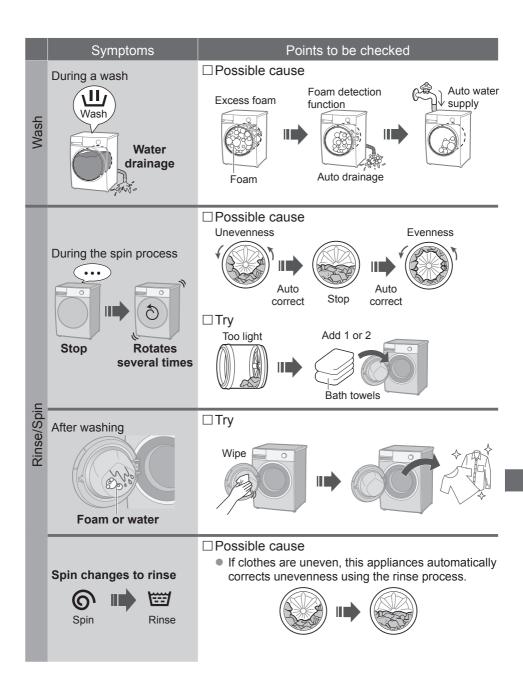


# **Troubleshooting**

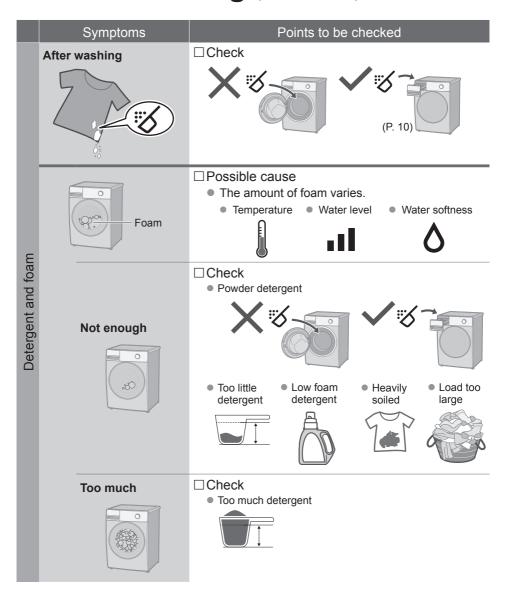


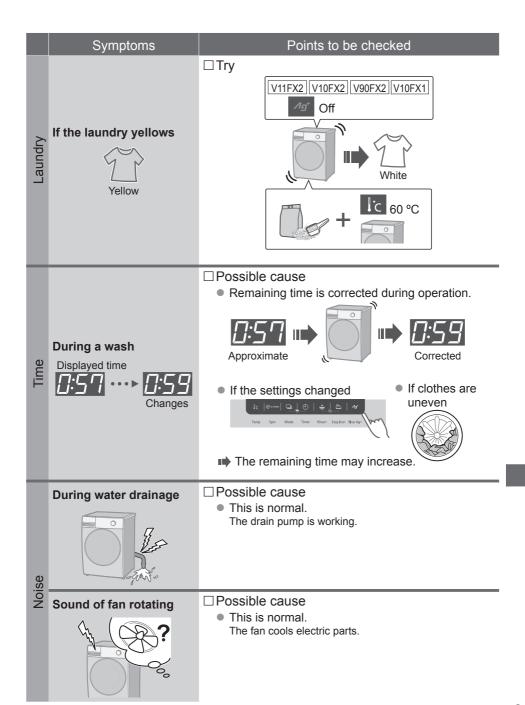
# Troubleshooting (continued)



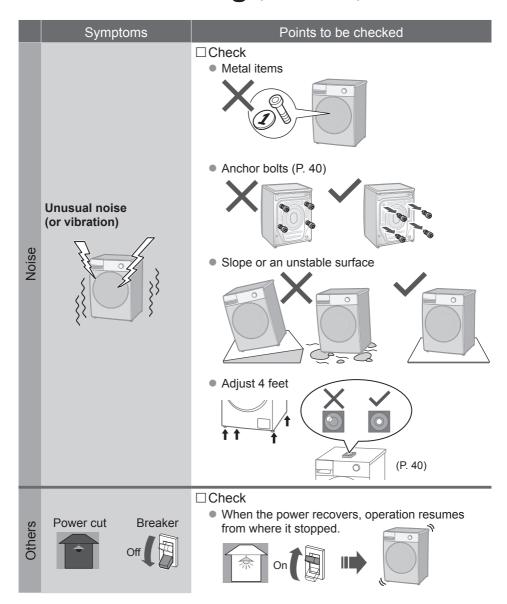


# Troubleshooting (continued)

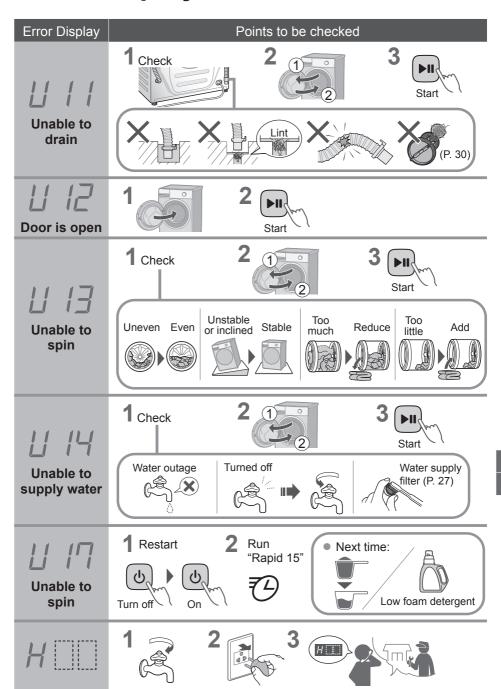




# Troubleshooting (continued)



# **Error Display**



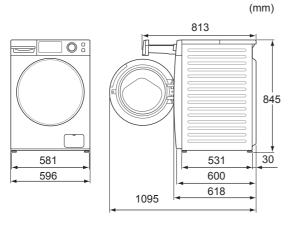
# **Choosing the Right Location**



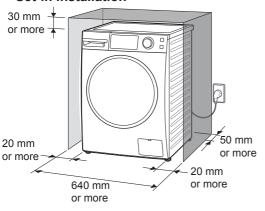
# Make sure to ask a service person for installation.

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

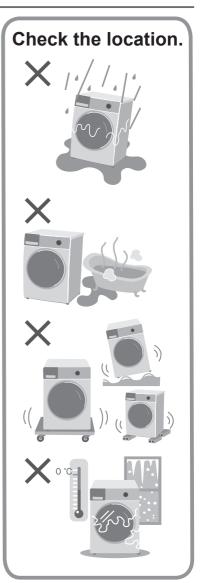
#### **Appliance dimensions**



#### ■ Set-in installation



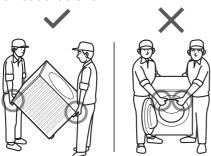
 Do not let the metallic portions of the appliance come into contact with metal sinks or other appliances.



# **Moving and Installing**

# Carrying the appliance

Do not do it alone.



#### Installation of bottom cover

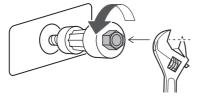


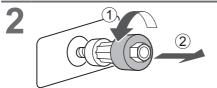


# Moving and Installing (continued)

#### Removing the anchor bolts

# Anchor bolts (4)







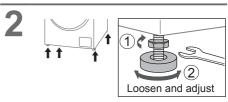


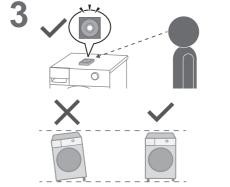
■ Moving the appliance again

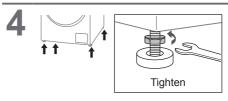


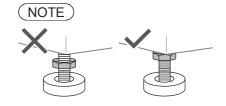
#### Levelling the appliance









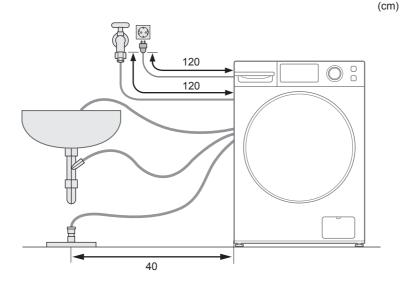


# **Connecting the Hoses**

Connect the hoses properly to prevent water leaks.

#### Maximum connection distances for hoses and the power cord

# Right side connection (cm) Power cord 90 Water supply hose Height of drain hose (0 - 100) Drain hose Left side connection



# Connecting the Hoses (continued)

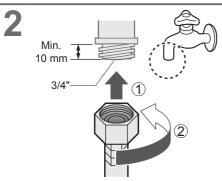
#### Water supply hose

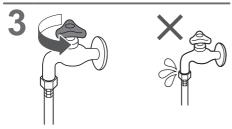
■ Connecting the water supply hose

# **!** CAUTION

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

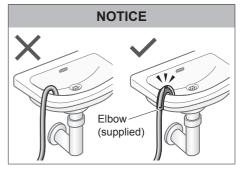




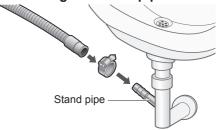


#### **Drain hose**

■ Draining to a sink or wash basin

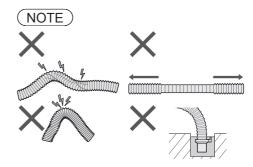


■ Draining to a stand pipe

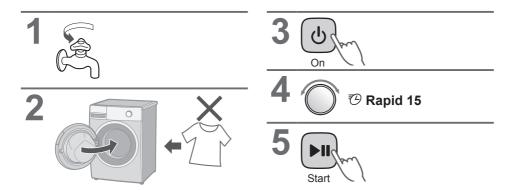


■ Draining to a drain hole

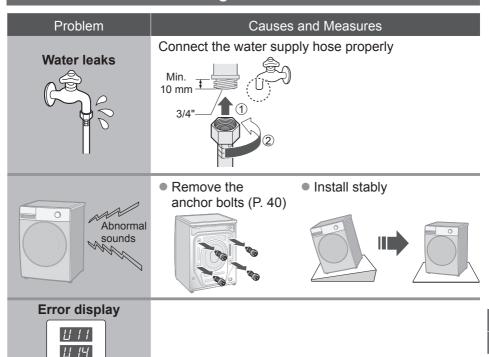




# **Test Run**



#### **Checking after test run**



See P. 37.

# **Specifications**

#### **■** For Singapore

	V11FX2	V11FG2	V10FX2	V10FG2	V90FX2	V90FB1	
Rated voltage (V)	220 - 240						
Rated frequency (Hz)	50						
Maximum energy rated power input (W)		1740 - 2000					
Maximum spin speed (r/min)	1400						
Product dimensions (W x D x H) (mm)	596 × 600 × 845						
Product weight (kg)	73						
Maximum mass of dry cloth (Wash) (kg)	11	.0	10	).0	9	.0	
Pressure of tap water (MPa)	0.01 - 1						

#### **■** For Philippines

	V10FX1	V90FB1		
Rated voltage (V)	23	30		
Rated frequency (Hz)	6	0		
Maximum energy rated power input (W)	18	70		
Maximum spin speed (r/min)	1400			
Product dimensions (W x D x H) (mm)	596 × 600 × 845			
Product weight (kg)	73			
Maximum mass of dry cloth (Wash) (kg)	10.0 9.0			
Pressure of tap water (MPa)	0.01 - 1			