

## Operating & Installation Instructions

Fully Automatic Washing Machine  
(Household Use)

Model No. **NA-FD145X3** **NA-FD135X3**  
**NA-FD125X3** **NA-FD115X3**



### Contents

<b>Safety Precautions</b>	2
<b>Part Names / Accessories</b>	6
<b>Before Washing</b>	7
<b>Operation Panel</b>	8
<b>Washing</b>	9
<b>Variety of Programs</b>	10
<b>Detergent / Softener / Bleach</b>	12
<b>Washing Options</b>	14
<ul style="list-style-type: none"><li>• Preset</li><li>• Wash / Rinse / Spin</li><li>• Delicates</li><li>• Blanket</li><li>• Stain Master</li><li>• Air Dry (90 min)</li></ul>	
<b>Convenient Functions</b>	18
<b>Contents of Programs</b>	19
<b>Maintenance</b>	20
<b>Installation</b>	24
<b>Error Display</b>	28
<b>Troubleshooting</b>	30
<b>Specifications</b>	32

**Thank you for purchasing this product.**

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



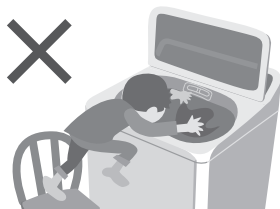
AWW9901CD8C1-0C0  
A0823-1064(S)(P)  
Printed in Vietnam  
06-2024

# Safety Precautions

## **WARNING**

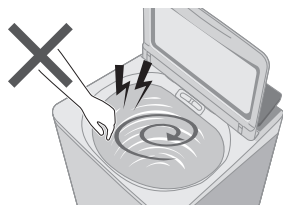
### May cause serious injury or death.

#### Children must not use it alone.

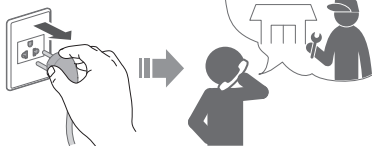


- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children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

#### Do not touch the tub until it stops.



- If the tub does not stop within 15 sec:

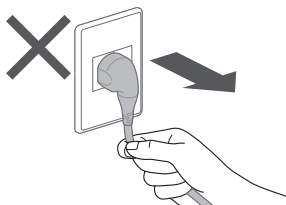


### May cause fire or electric shock.

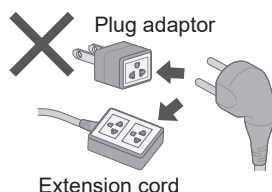
#### Do not touch it with wet hands.



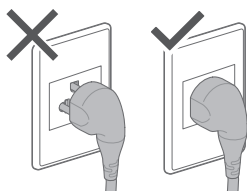
#### Do not hold or pull on the cord.



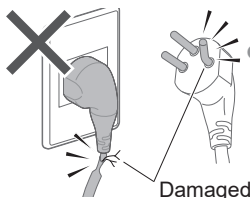
#### Do not use.



#### Fully insert it.

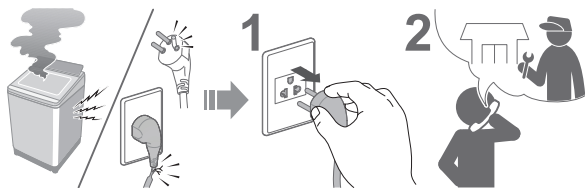


#### Do not use.

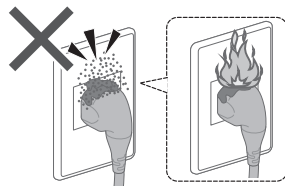


- If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

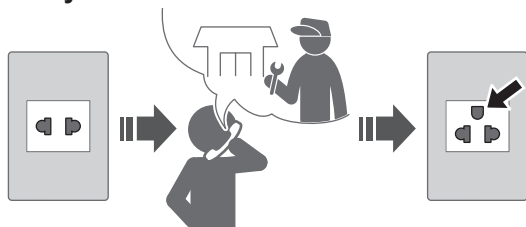
**In case of failure or damaged power cord, stop use and ask the electrical technician.**



**Accumulated dust may cause fire.**



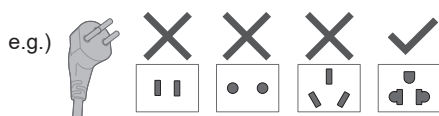
**Securely insert the ground prong.  
Call your local dealer for a new socket.**



**Wipe the power plug periodically.**

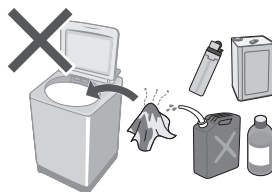


**Use a socket appropriate for this appliance.**



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

**Keep away from flammable materials.**



**May cause failure.**

**Never disassemble, repair or modify it by yourself.**

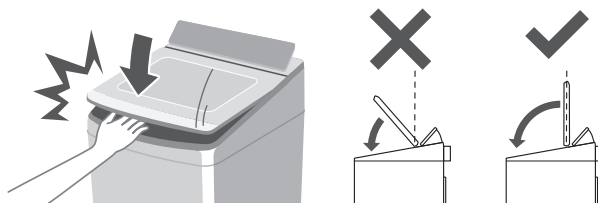


# Safety Precautions (continued)

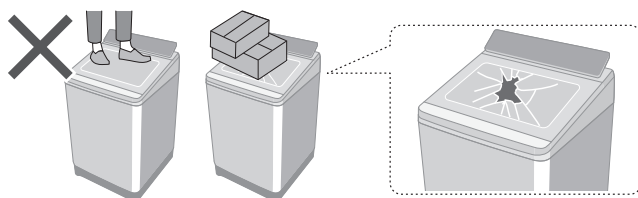
## CAUTION

### May cause injury.

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

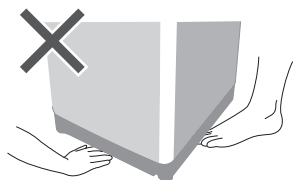


**Do not climb or put objects on the appliance.**



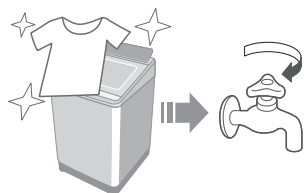
- If the lid is broken, immediately stop using.

**Be careful of your hands and feet.**

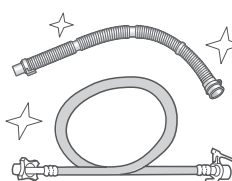


### May cause water leakage.

**Turn off the water faucet.**



**Use new hose-sets.**

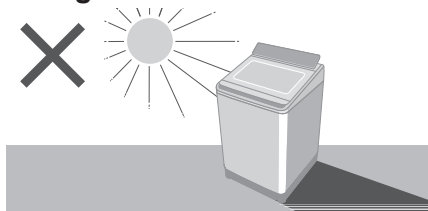


- New hose-sets supplied with the appliance are to be used and old hose-sets should not be reused.



## May cause failure.

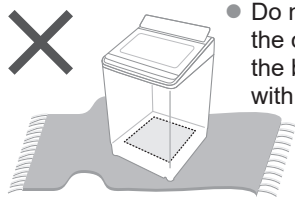
**Keep away from heat and direct sunlight.**



**Do not wash waterproof items.**

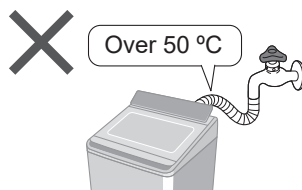


**Do not obstruct.**



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

**Do not use hot water.**



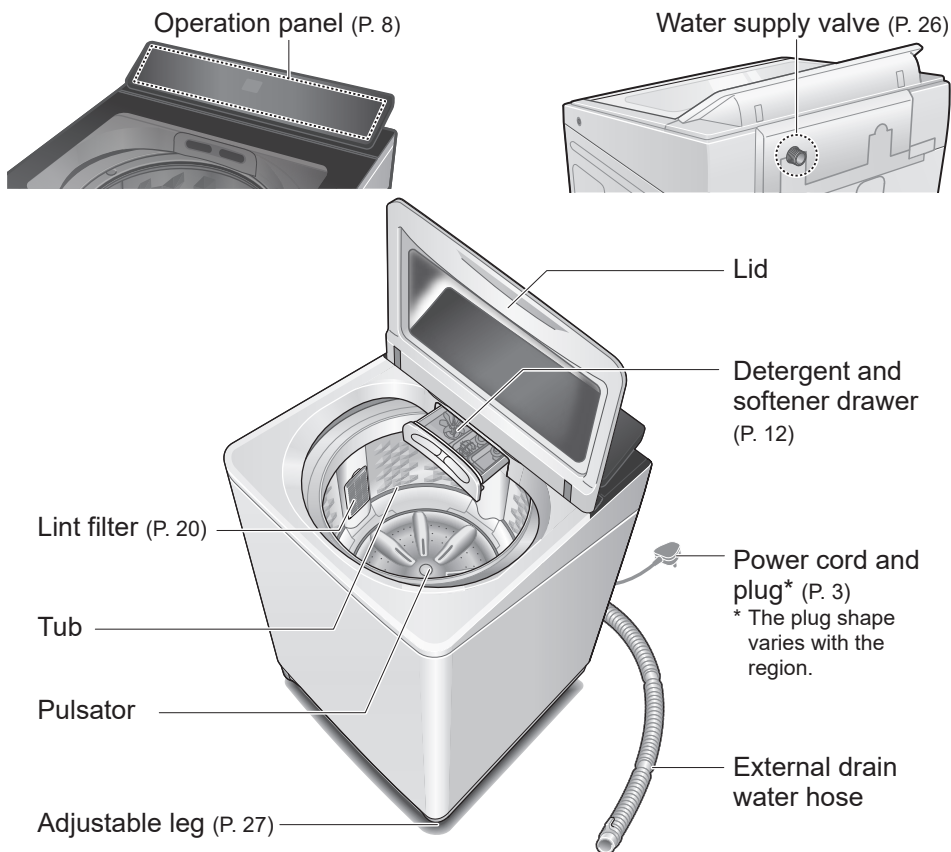
**For machine-washable items only.**



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

# Part Names / Accessories

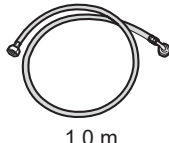
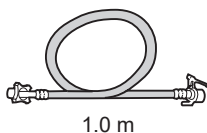
## Part names



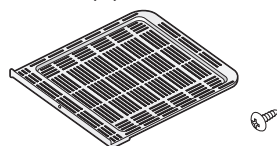
## Accessories

☐ Water supply hose\* (1) (P. 26)

\* The hose supplied depends on the region the unit is sold in.  
(Joint type) (Screw type)



☐ Bottom cover (1) /  
Screw (1) (P. 25)

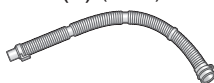


☐ Water tap adaptor\* (1) (P. 26)



\* For Joint type only

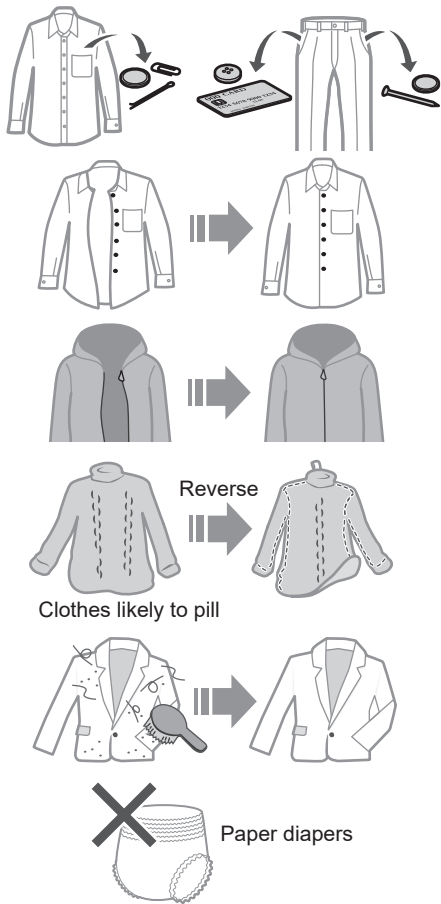
☐ External drain water  
hose (1) (P. 25)



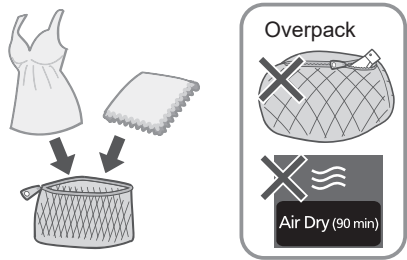
# Before Washing

## Laundry preparation and check

### Pre-laundry check



### Use laundry nets for delicates



### For "Stain Master" (P. 16)

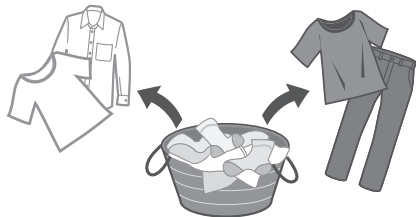
- Pretreatments for heavily stains



- Observe the clothes' care labels




### To prevent colour staining




# Operation Panel

### Change process settings (P. 14)



Flashing (in progress)


### Water amount



79 L

Approx. 5 sec





### Remaining time




Time Left

60 min

### Detergent volume

Water level (L)			Detergent *2
79 *1	70	65	
60	55	50	
45	40	35	
25			

\*1 NA-FD145X3・NA-FD135X3: 79 L  
NA-FD125X3: 77 L  
NA-FD115X3: 75 L  
\*2  : 1 scoop of detergent

Water Level

Wash

Rinse

Spin

Auto Tub Clean

Tangle Care

Preset

Air Dry(90 min)

Time Left

88

hours min

Start/Pause

Normal

Speedy

Delicates

Baby Care

Water Save

Blanket

Soak

Tub Hygiene

Odour/Aroma\*

Mud

Soya/Sauce

StainMaster

Power On/Off

Auto Tub Clean (P. 18)

Tangle Care (P. 10)

Preset (P. 14)

Air Dry (90 min) (P. 17)

Start/Pause

Program selection (P. 10)


Stain Master (P. 16)

Power On/Off

Child Lock (P. 18)

Child Lock lamp (P. 18)

Refill (P. 19)

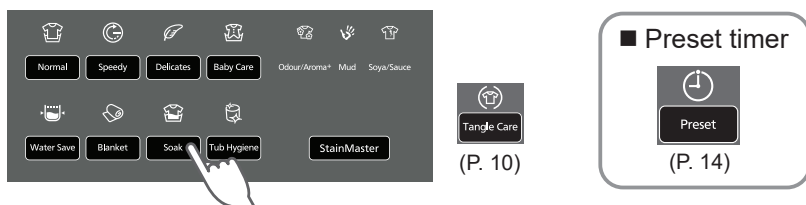
- NOTE
- In case of a power failure.  
⇒ Operation will resume from where it stopped when the power recovers.
  - If you do not press  within 10 minutes after power-on.  
⇒ Auto power off.
  - The wash process setting of the “Stain Master” and “Soak” programs cannot be changed.

# Washing

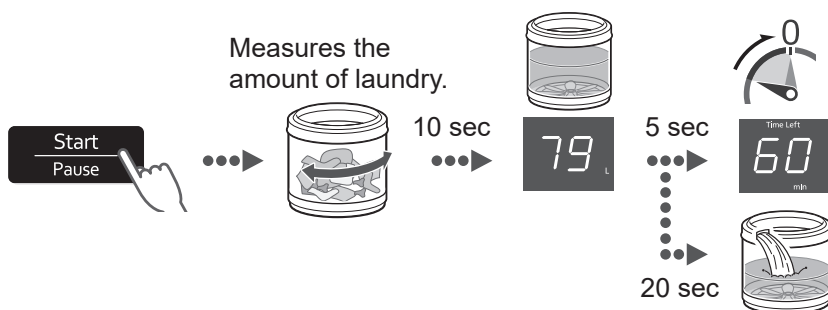
1



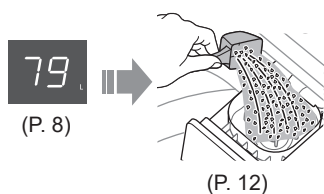
2



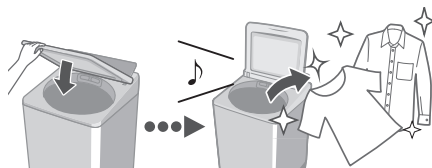
3



4

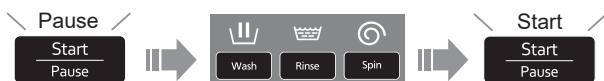


5



## ■ After pressing “Start”













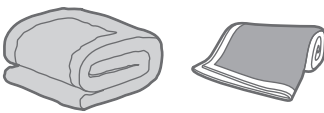
- To change each operation (while washing).











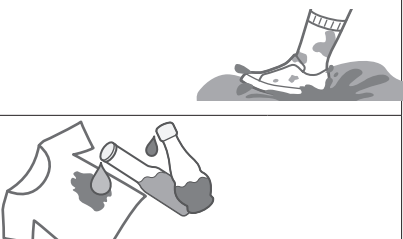






- To check or change the water level (while washing).
- You cannot change the program.



# Variety of Programs

	Program	Purpose	Max. capacity (kg)
Wash	 <b>Normal</b> (P. 9)	<ul style="list-style-type: none"> <li>● Everyday clothes</li> </ul> 	
	 <b>Tangle Care</b> (P. 9)	<ul style="list-style-type: none"> <li>● Anti-tangling</li> <li>• Washing more gently than “Normal” to reduce tangle.</li> <li>• Disentangling clothes after spin: 6 kg or less.</li> </ul>	
	 <b>Speedy</b> (P. 9)	<ul style="list-style-type: none"> <li>● For light soil</li> </ul> 	(FD145X3) 14.5
	 <b>Soak</b> (P. 9)	<ul style="list-style-type: none"> <li>● For heavy soil</li> <li>Presoaking to wash</li> </ul> 	(FD135X3) 13.5
	 <b>Baby Care</b> (P. 9)	<ul style="list-style-type: none"> <li>● Clothes for babies &amp; sensitive skin</li> <li>Rinsing thoroughly</li> </ul> 	(FD125X3) 12.5
	 <b>Water Save</b> (P. 9)	<ul style="list-style-type: none"> <li>● Saving water</li> </ul> 	(FD115X3) 11.5
	 <b>Blanket</b> (P. 15)	<ul style="list-style-type: none"> <li>● Comforters and blankets</li> </ul>  <p>With a machine-washable tag</p>	4.2

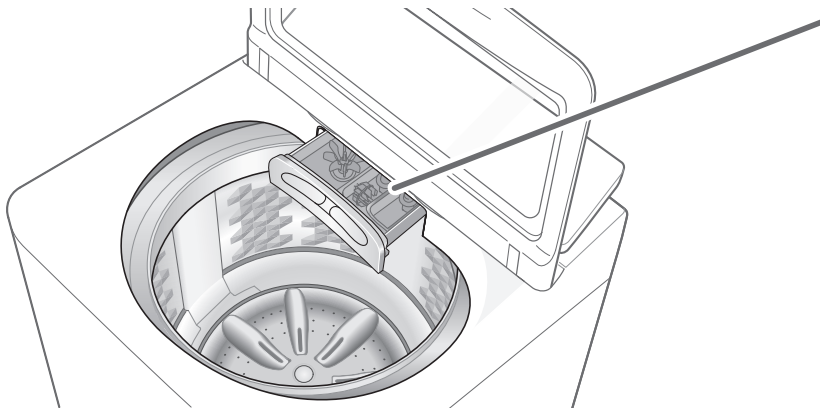
	Program	Purpose	Max. capacity (kg)
Wash	 <b>Delicates</b> (P. 15)	<ul style="list-style-type: none"> <li>● Washing gently</li> </ul> 	4.2
	<b>StainMaster</b> (P. 16)	<ul style="list-style-type: none"> <li>● For the following stains</li> </ul>	6.0
	Light         Heavy	<ul style="list-style-type: none"> <li>● Use more softener to keep the scent longer</li> </ul>	
	<b>Odour/ Aroma+</b>		5.0
	<b>Mud</b>		
Dry	 <b>Air Dry (90 min)</b> (P. 17, 23)	<ul style="list-style-type: none"> <li>● Drying synthetic fibre clothes</li> </ul> 	2.0
		<ul style="list-style-type: none"> <li>● Tub drying</li> </ul> 	—
Maintenance	 <b>Tub Hygiene</b> (P. 23)	<ul style="list-style-type: none"> <li>● Tub cleaning</li> </ul> Removing black mould and smell	—

#### NOTE

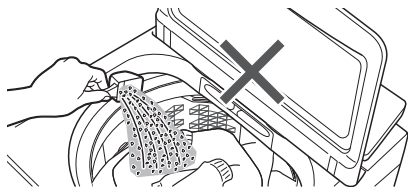
- “Normal” program and “Water Save” program are recommended for a normally soiled load at the rated capacity of this washing machine.
- “Water Save” program is recommended for Singapore.

# Detergent / Softener / Bleach

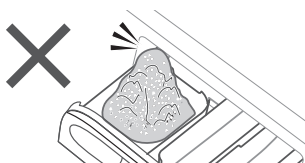
- Follow the instructions on each package.
- For cleaning (P. 21)
- Close auto dosing drawer completely before use.



## Detergent



- **Do not pour detergent directly into the tub.**
- The level of foaming depends on the load size, soil, detergent, and water hardness.



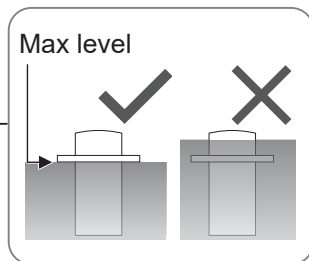
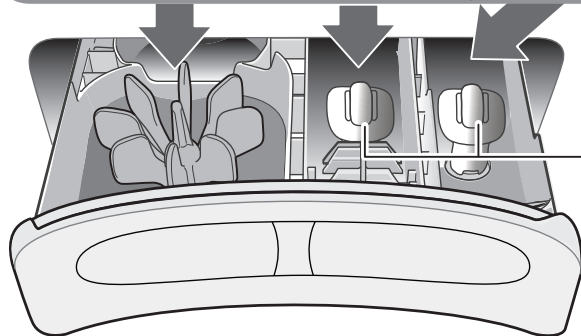
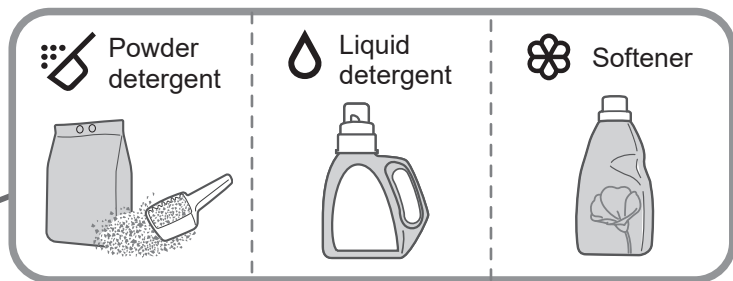
## Bleach

Whiten bleach  
(chlorine bleach)



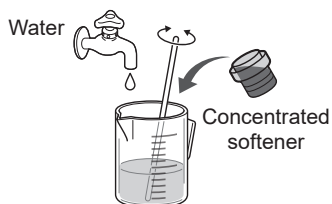
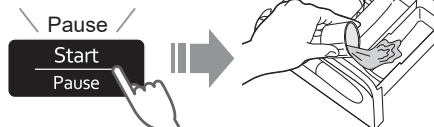
- To use bleach, put bleach in the powder detergent case (if bleach is in powder form) or liquid detergent case (if it is liquid bleach).





## Softener

- To put softener while the machine is operating:



Do not use separated or solidified softeners



- Softener cannot be used with the "Water Save" program.

# Washing Options


## Preset

Set how many hours later to finish operation.


1













2



▼ 2 min



All other indications turn off.

	2 - 24
	1 - 24
	-
	2 - 24
	2 - 24
	-
	3 - 24
	2 - 24
	-
	-

■ To confirm





■ To cancel or change






## Wash / Rinse / Spin


1



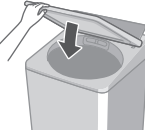
2





Wash Rinse Spin



3



▼



**NOTE**  
● Not available for “Tangle Care”.



## Delicates

65 L	4.2 kg
55 L	3.0 kg

### NOTE



Bleach



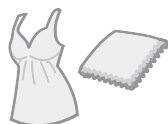
Liquid delicate detergent



### ■ After operation ends



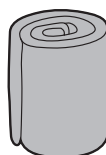
Take out immediately.



## Blanket

Max. water amount *	4.2 kg
	<ul style="list-style-type: none"> <li>• 100 % synthetic fibre</li> <li>• 100 % cotton</li> </ul>

\* NA-FD145X3 • NA-FD135X3: 79 L /  
NA-FD125X3: 77 L / NA-FD115X3: 75 L



### NOTE



Powder detergent



Liquid detergent



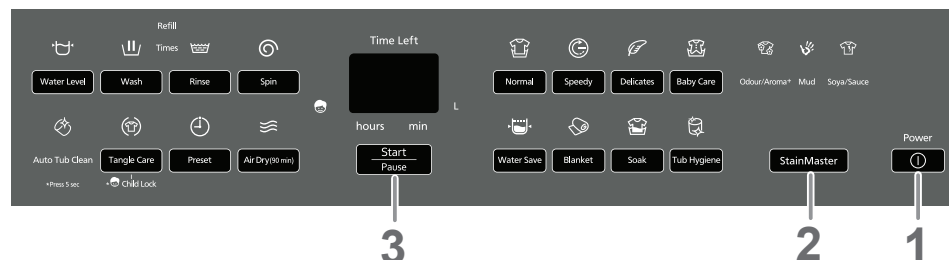
### NOTE

- The water amount indication shows the maximum and cannot be changed.

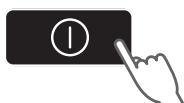
# Washing Options (continued)

## Stain Master

Preparation: (P. 7)



1



2



■ Timer preset (hours) (P. 14)

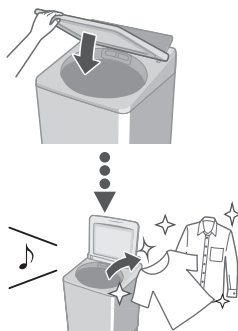
3



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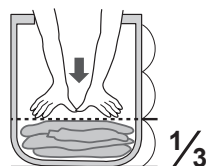


5



### NOTE

- Max. capacity (P. 11)



- Max. water amount: 65 L
- You cannot change the wash process setting of this program.

## Air Dry (90 min)

The air blown from the tub rotation removes water from clothes.

- Dryable clothes: Synthetic fibre  
(Max. 2.0 kg)



### NOTE

- Clothes may not be sufficiently dried (depends on amount and type of clothes, and the temperature).
- This function does not use a heater. Clothes may be cold and half dry.

# Convenient Functions

## Setting Auto Tub Clean

Preventing black mould, available with all programs except "Water Save" and "Air Dry (90 min)".

### ■ Lamp indications



Operating



Function enabled

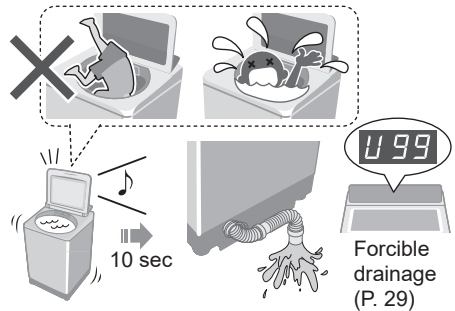


Function disabled

### ■ To turn on/off

- 1
- 2
- 3 Hold 3 sec
- 4 to select off on
- 5

## Setting Child Lock



\* This function does not lock the lid and button operations.

- 1
- 2 Hold 5 sec










■ To cancel: same procedure x4

## Cancelling end buzzer

- 1 & Hold 3 sec x2

■ To reset:  
same procedure x4

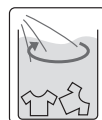
# Contents of Programs

Program		Total time <sup>*1</sup> (min)	Wash (min)	Rinse (times)	Spin (min)
	<b>Normal</b>	60	9	2	7
	<b>Tangle Care</b>	70	13	2	7
	<b>Speedy</b>	45	3	2	5
	<b>Delicates</b>	50	9	2	1
	<b>Baby Care</b>	70	9	2	7
	<b>Water Save</b>	85	12	4	5
	<b>Blanket</b>	70	12	2	5
	<b>Soak</b>	125 <sup>*2</sup>	71 (Soak 59)	2	7
<b>Stain Master</b>	<b>Odour/Aroma+</b>	80	13	2	7
	<b>Mud</b>	90	40	2	7
	<b>Soya/Sauce</b>	115 <sup>*2</sup>	62 (Soak 29)	2	7
	<b>Tub Hygiene</b>	150 <sup>*2</sup>	65 (Soak 62)	2	30

**\*1 Total time is approximate (When the standard water supply rate is 15 L / min and the water temperature is 28 °C).**

**\*2 Remaining time of 99 minutes or less will be displayed. -- → 99**

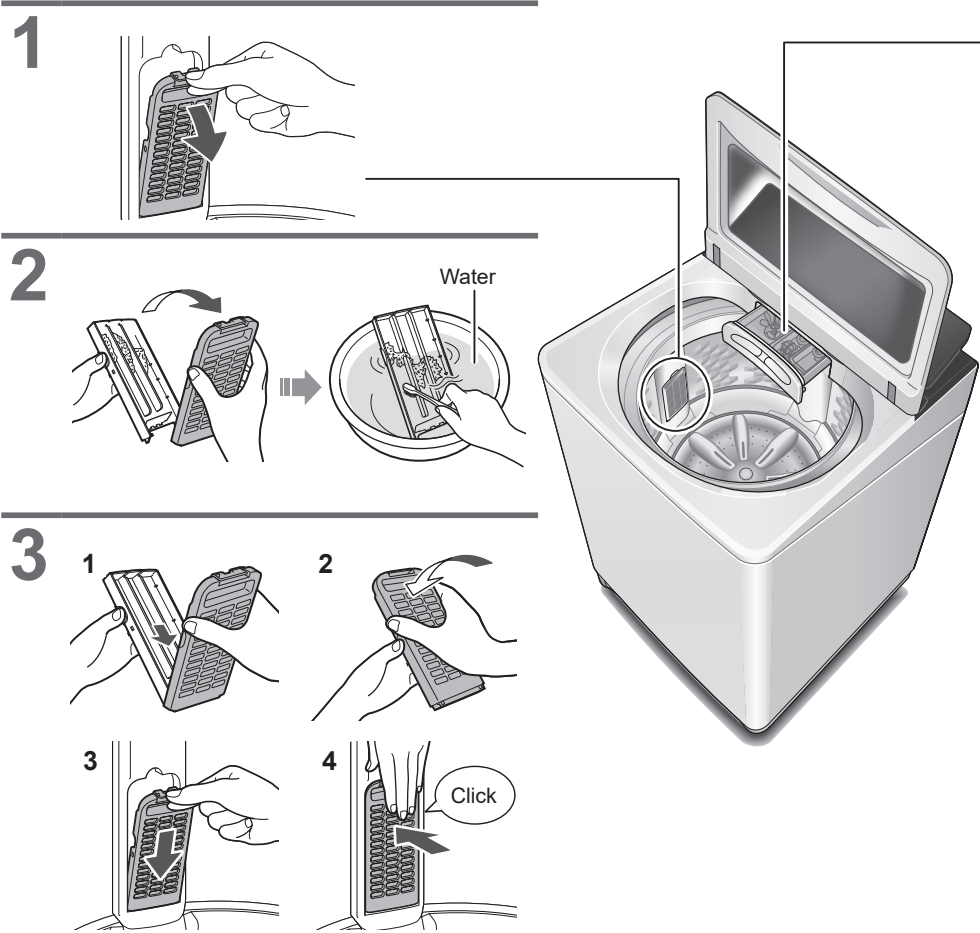
- “Refill”: to fill the tub with water and rinse while supplying water.



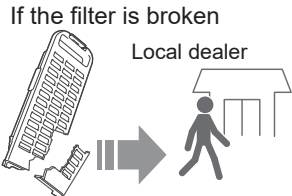
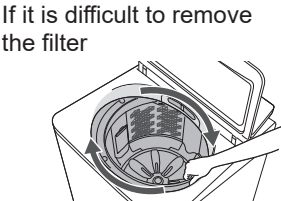
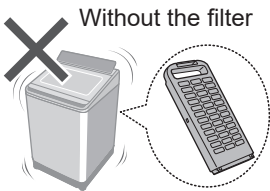
# Maintenance

## Lint filter

After each operation



**NOTE**





## Detergent and softener drawer

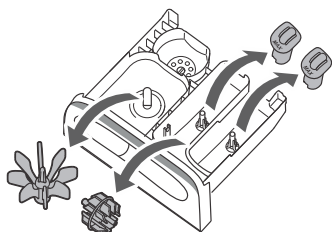
If stained with detergent or softener

1

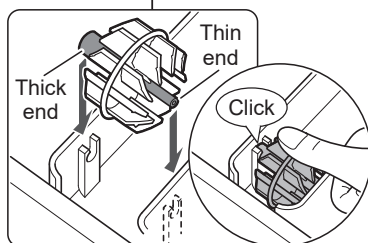
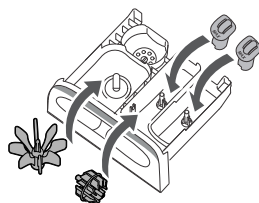


Remove

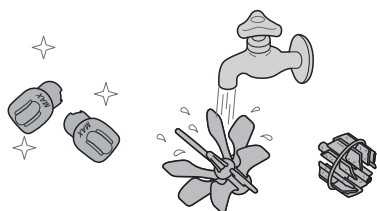
2



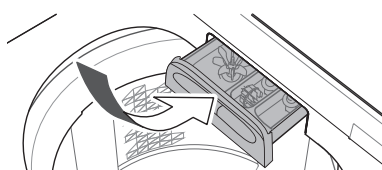
4



3



5



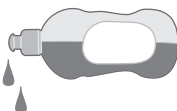
Attach

## Main unit, lid

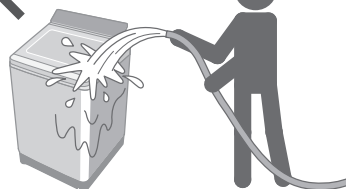


For heavy soil

Neutral kitchen detergent



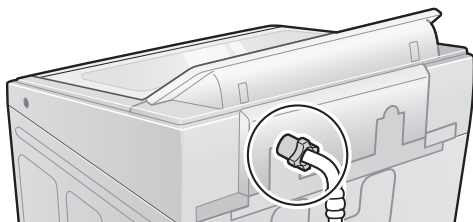
×



# Maintenance (continued)

## Water supply filter

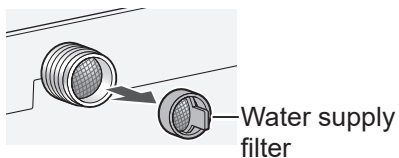
If water does not flow smoothly



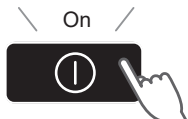
1



5



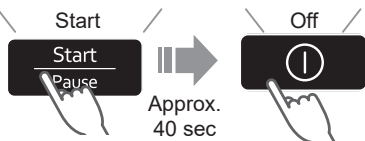
2



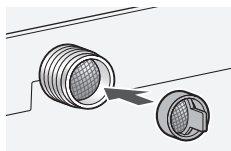
6



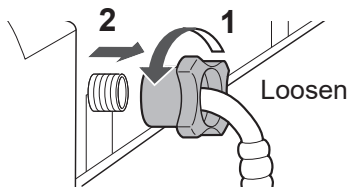
3



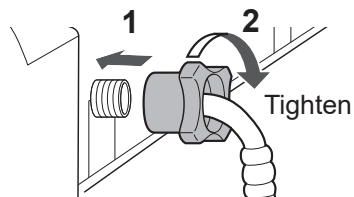
7



4

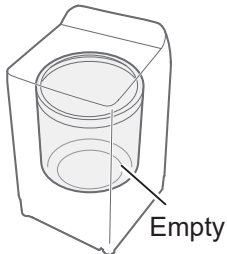


8



## Tub

### Once a week <Air Dry>

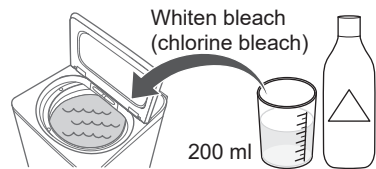


### Once a month <Tub Hygiene>

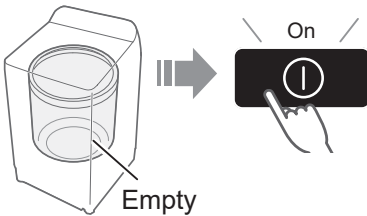
1



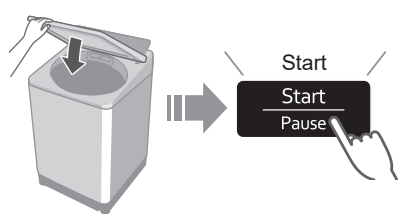
5



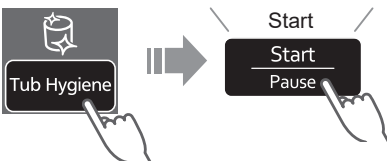
2



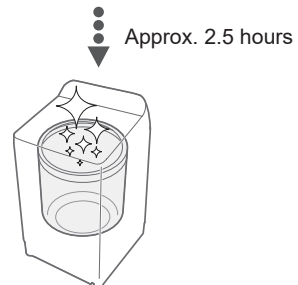
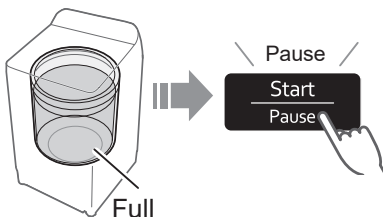
6



3

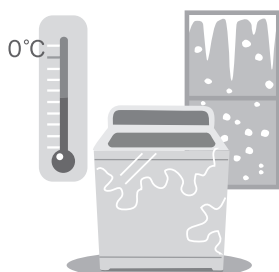
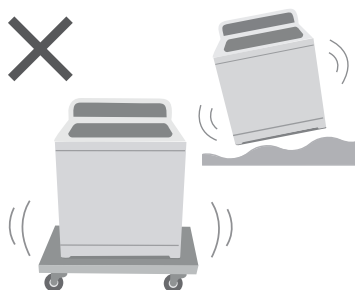
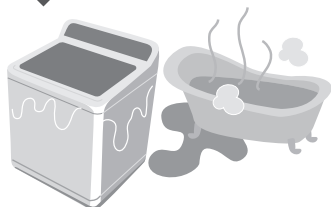


4



# Installation

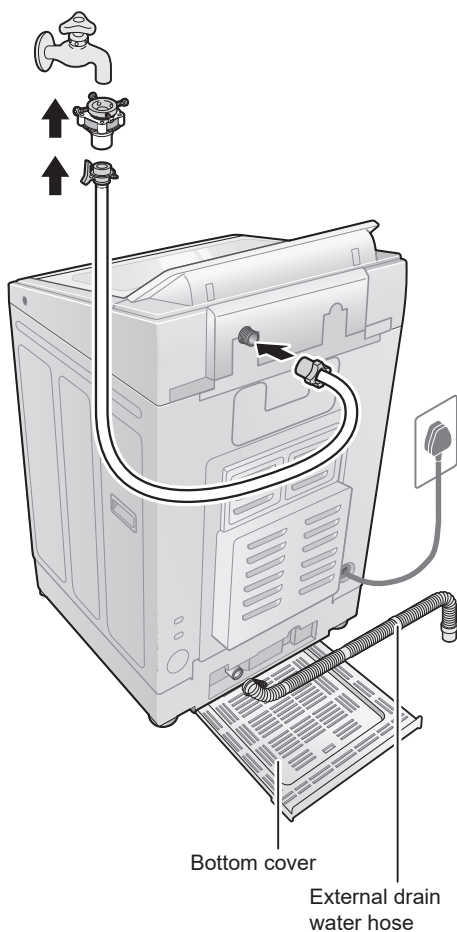
## Check the location.



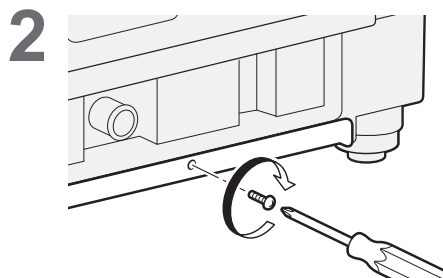
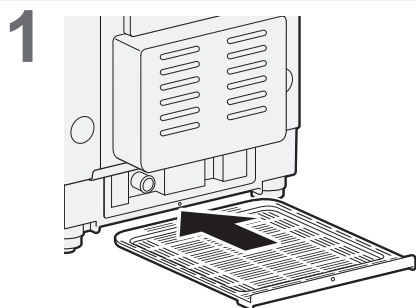
**Make sure to ask a service person for installation.**



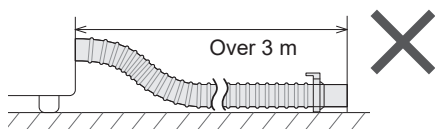
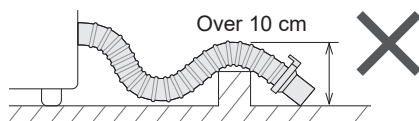
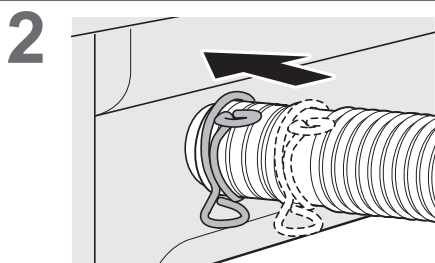
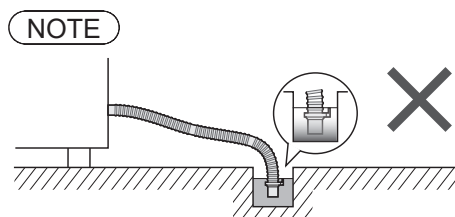
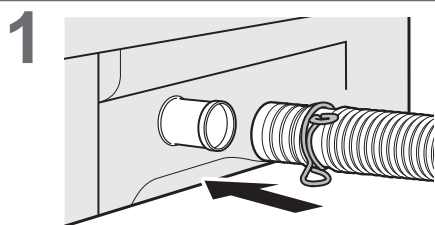
- Do not install by yourself.
- Follow this installation method.  
If you do not, Panasonic will not be liable for any accident or damage.



## Attach the bottom cover



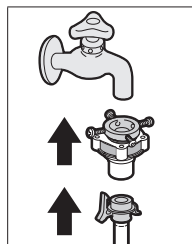
## Attach the external drain water hose



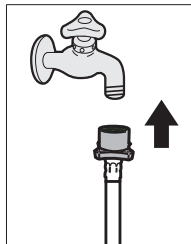
# Installation (continued)

## Connect the water supply hose

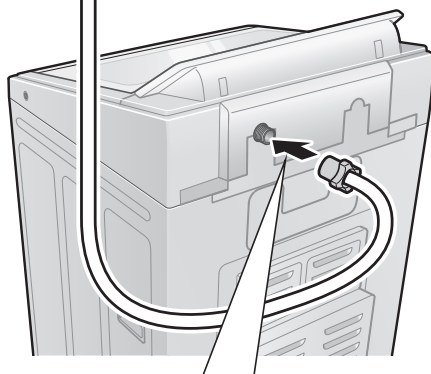
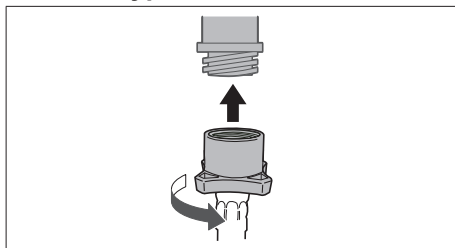
Joint type



Screw type



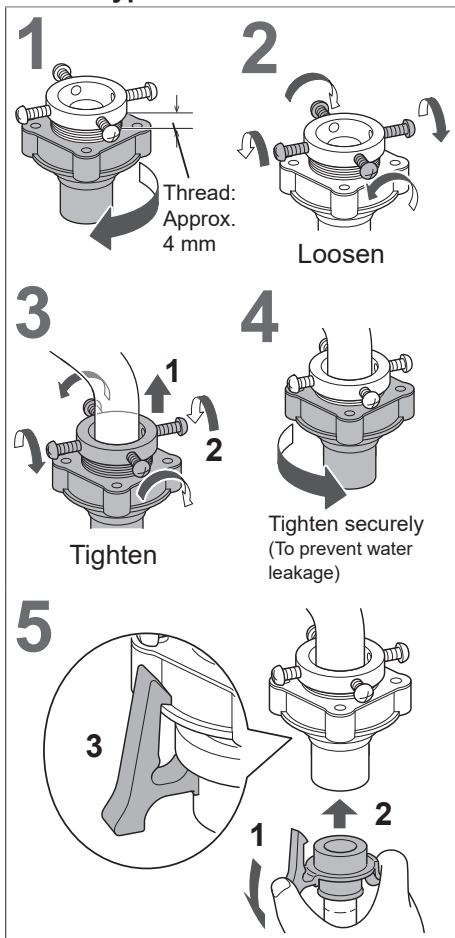
■ Screw type



Check that the elbow is not loose.



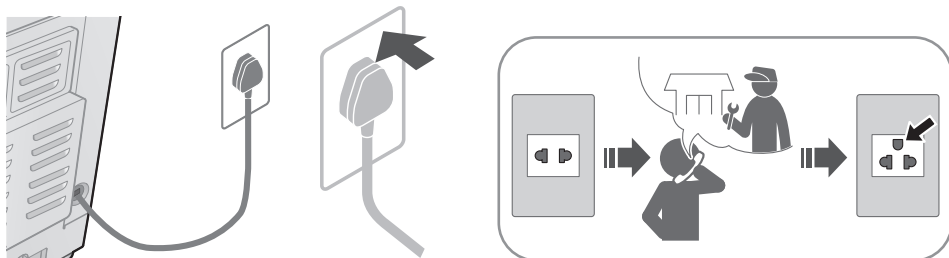
■ Joint type



### CAUTION

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

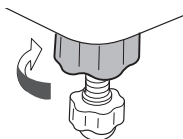
## Connect the power plug and grounding



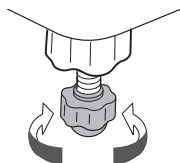
## Check that the washing machine is level

### ■ If the washing machine wobbles

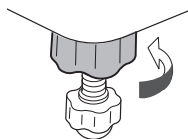
Loosen



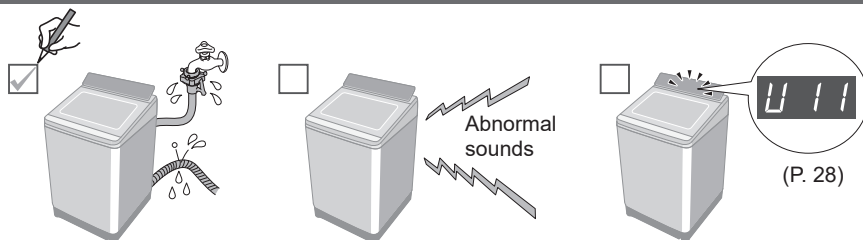
Adjust



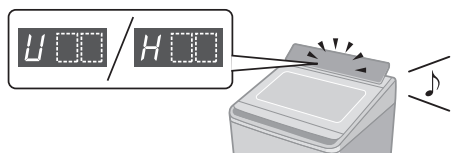
Tighten



## Trial operation


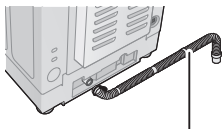
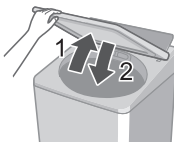
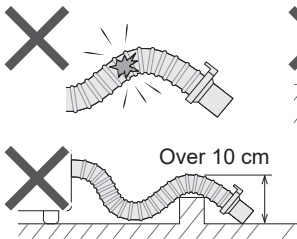
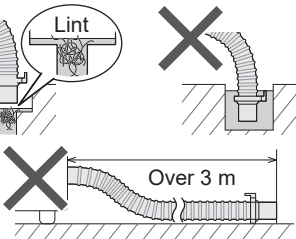

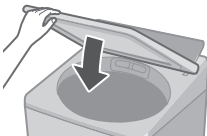




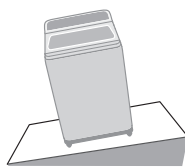
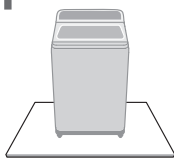



# Error Display



## ■ Preparation





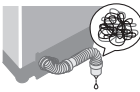



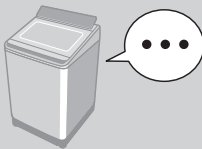













Cancel Child Lock (P. 18)  
if it is set.












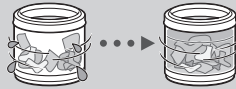

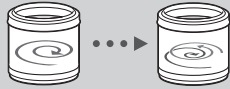
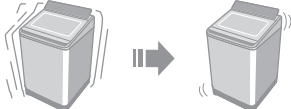
Error Display	Points to be checked
 <b>Water cannot drain.</b>	<div> <div>1 Check</div>  </div> <div> <div>2</div>  </div> <div>   </div>
 <b>The lid is open.</b>	<div>1</div> 
 <b>Spin or "Air Dry" is not possible.</b>	<div> <div>Uneven</div>  </div> <div> <div>1 Even</div>  </div> <div> <div>2</div>  </div> <div> <div>Unstable or incline</div>  </div> <div> <div>1 Stable</div>  </div> <div> <div>2</div>  </div>









Error Display	Points to be checked
<div data-bbox="104 531 258 598" data-label="Text"> <p>U 14</p> </div> <div data-bbox="97 611 266 675" data-label="Text"> <p>Water cannot be supplied.</p> </div>	<div data-bbox="308 400 921 587" data-label="Image"> </div> <div data-bbox="303 635 837 794" data-label="Image"> </div>
<div data-bbox="104 970 258 1037" data-label="Text"> <p>U 99</p> </div> <div data-bbox="97 1050 266 1137" data-label="Text"> <p>Water has been forcibly drained.</p> </div>	<div data-bbox="303 842 1016 1054" data-label="Image"> </div> <div data-bbox="303 1078 714 1278" data-label="Image"> </div>
<div data-bbox="104 1345 258 1412" data-label="Text"> <p>H</p> </div> <div data-bbox="97 1425 266 1489" data-label="Text"> <p>Inspection is required.</p> </div>	<div data-bbox="303 1318 1008 1517" data-label="Image"> </div>

# Troubleshooting

	Symptoms	Points to be checked
Time	<b>Indication increases or does not decrease.</b> 	Time indication is approximate. Remaining time is corrected during operation. 
	<b>Longer than the indication.</b> 	<div>           When clothes are uneven.   </div> <div>           When the water drainage is not good.   </div> <div>           When the water supply is not good.   </div>
	<b>Operation passes the preset time.</b> 	 The operation time may be longer.
Main unit	<b>No operation</b> 	<div> <input type="checkbox"/> Check           <ul style="list-style-type: none"> <li>● Power failure </li> <li>● Timer preset </li> </ul> </div> <div> <input type="checkbox"/> Try           <ul style="list-style-type: none"> <li>● Close the lid. </li> <li>● Turn on. </li> <li>● Insert the power plug completely. </li> <li>● Press "Start". </li> <li>● Turn breaker on. </li> </ul> </div>
	<b>Cannot change process settings (after start).</b> 	<div> <input type="checkbox"/> Try           <ul style="list-style-type: none"> <li>● During wash process               <ol style="list-style-type: none"> <li>1 Pause </li> <li>2 </li> <li>3 Start </li> </ol> </li> <li>● After wash process               <ol style="list-style-type: none"> <li>1 Off </li> <li>2 On </li> </ol> </li> </ul> </div>

	Symptoms	Points to be checked
Wash	<b>Water is supplied while washing.</b> 	<div> When water level drops.  </div> <div> When amount of laundry is large.  </div> <div> ⇒ Water is added automatically. </div>
	<b>The water level</b>  <b>too high</b> 	<div> When laundry is wet.  </div> <div> When there is water in the tub before operation.  </div> <div> ⇒ The water level may be higher. </div>
	<b>too low</b> 	<div> When clothes are light (synthetic fibre, etc.).  </div> <div> ⇒ The water level may be lower. </div>
Rinse	<b>Operation started with rinse, but water is not supplied.</b> 	<div> When there is no water in the tub.  </div> <div> ⇒ Water is supplied after spin. </div>
		<div> When there is water in the tub.  </div> <div> ⇒ Water is supplied after water discharge and spin. </div>
Spin	<b>Spin changes to rinse.</b> <b>Rinse starts instead of spin.</b> 	<p>If clothes are uneven, this appliances automatically corrects unevenness by rinse process.</p> 
	<b>Irregular rotation</b> 	<p>The tub rotation speed is adjusted to reduce vibration.</p> 

# Troubleshooting (continued)

	Symptoms	Points to be checked
Others	<b>Power failure/Breaker off.</b> 	Operation will resume from where it stopped when the power is recovered. 
	<b>StainMaster has no effect.</b> 	<div> <input type="checkbox"/> Check           <ul style="list-style-type: none"> <li>● Max. capacity (P. 11)  </li> </ul> </div> <div> <input type="checkbox"/> Try           <ul style="list-style-type: none"> <li>● Pretreatment (P. 7)  </li> <li>● Select according to the stain type. (P. 11)  </li> </ul> </div>

# Specifications

Model No.	NA-FD145X3	NA-FD135X3		NA-FD125X3	NA-FD115X3	
Rated voltage	230 V	220 - 240 V	230 V	230 V	220 - 240 V	230 V
Rated frequency	60 Hz	50 Hz	60 Hz	60 Hz	50 Hz	60 Hz
Rated power consumption	480 W					
Standard water amount	79 L			77 L	75 L	
Maximum mass of dry cloth	14.5 kg	13.5 kg		12.5 kg	11.5 kg	
Product dimensions	639 mm (W) x 725 mm (D) x 1085 mm (H)				639 mm (W) x 725 mm (D) x 1065 mm (H)	
Product weight	39 kg					
Pressure of tap water	0.01 - 1 MPa					

Panasonic Corporation

<https://www.panasonic.com>

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