

Panasonic®

Operating & Installation Instructions

Fully Automatic Washing Machine
(Household Use)

Model No. **NA-FD180X3**
NA-FD160X3
NA-FD145X3



Contents

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

Thank you for purchasing this product.

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



AWW9901CGLC0-0C0

A0724-0(P)

Printed in Vietnam

07-2024

Safety Precautions

WARNING

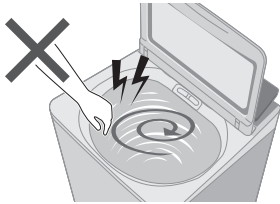
May cause serious injury or death.

Children must not use it alone.

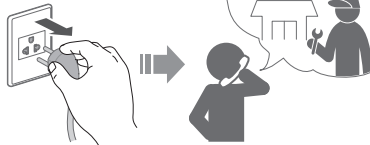


- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children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

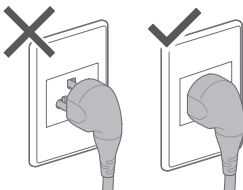


May cause fire or electric shock.

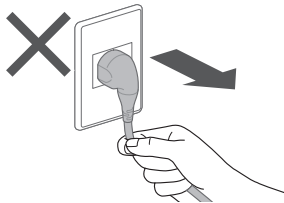
Do not touch it with wet hands.



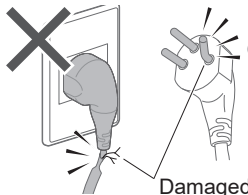
Fully insert it.



Do not hold or pull on the cord.

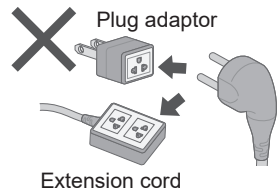


Do not use.

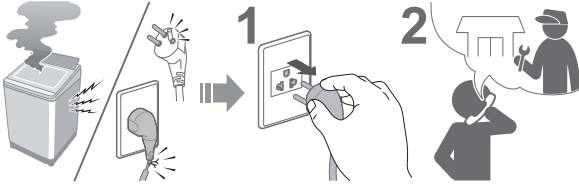


- If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

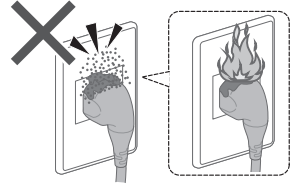
Do not use.



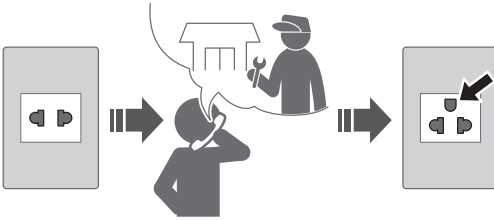
In case of failure or damaged power cord, stop use and ask the service centre.



Accumulated dust may cause fire.



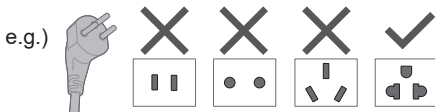
Securely insert the ground prong. Call your local dealer for a new socket.



Wipe the power plug periodically.

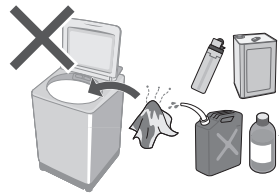


Use a socket appropriate for this appliance.



- 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.

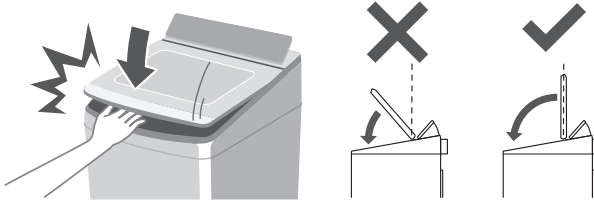


Safety Precautions (continued)

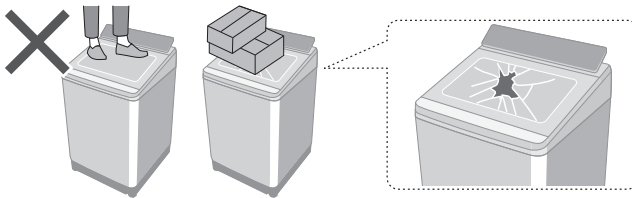
CAUTION

May cause injury.

Be careful not to get your fingers caught.

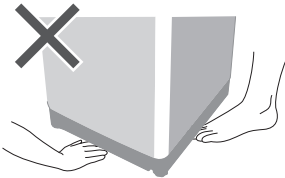


Do not climb or put objects on the appliance.



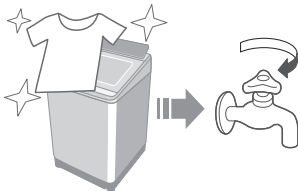
- If the lid is broken, immediately stop using.

Be careful of your hands and feet.

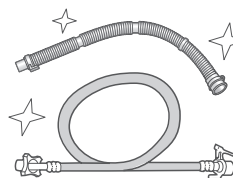


May cause water leakage.

Turn off the water faucet.



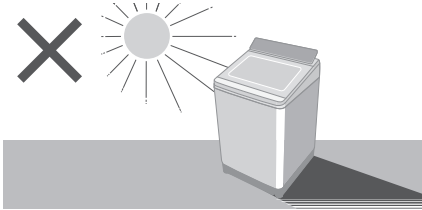
Use new hose-sets.



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

May cause failure.

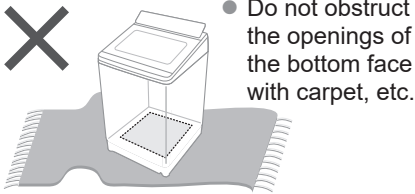
Keep away from heat and direct sunlight.



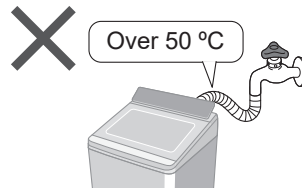
Do not wash waterproof items.



Do not obstruct.



Do not use hot water.



For Machine-washable items only.

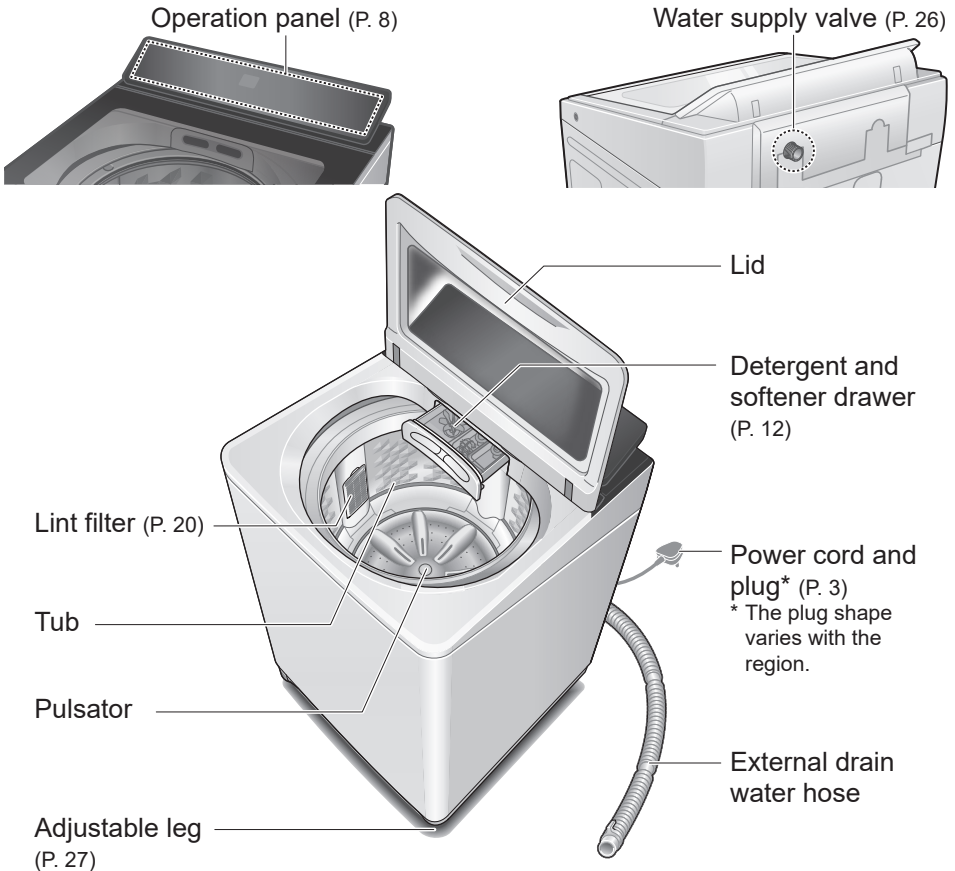


● This appliance is intended to be used in household. This appliance is not intended to be used in applications such as:

- 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.

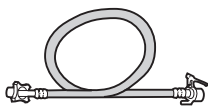
Part Names / Accessories

Part names

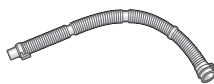


Accessories

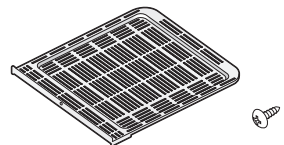
- Water supply hose (1)
(P. 26)



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



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



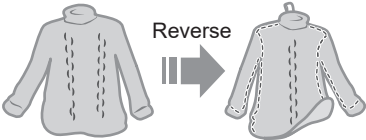
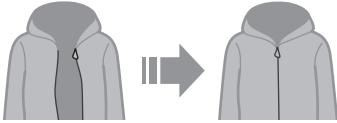
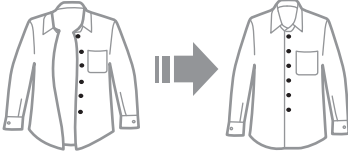
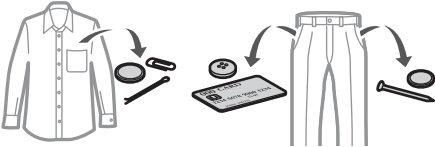
- Water tap adaptor (1) (P. 26)



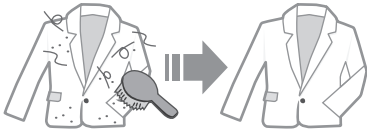
Before Washing

Laundry preparation and check

Pre-laundry check

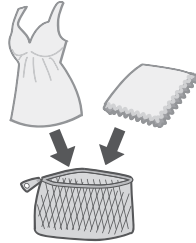


Clothes likely to pill



Paper diapers

Use laundry nets for delicates



For "Stain Master" (P. 16)

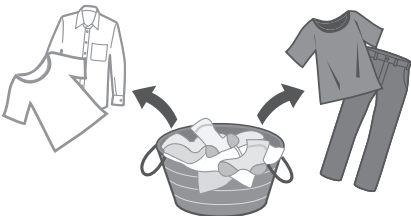
- Pretreatments for heavily stains



- Observe the clothes' care labels




To prevent colour staining



Operation Panel



Change process settings (P. 14)



Flashing (in progress)



Wash

Water amount








Approx. 5 sec


Remaining time

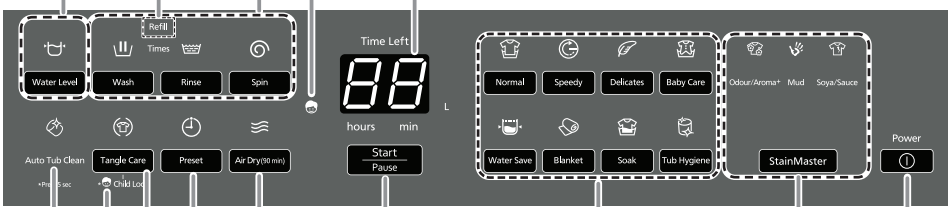



Detergent volume

Water level (L)		Detergent *2
105 *1	88	81 
74	66	59 
52	46	38 
33		

*1 NA-FD180X3: 105 L
 NA-FD160X3: 99 L
 NA-FD145X3: 93 L
 For water amount: 105L display will show **RS**

*2  : 1 scoop of detergent



Refill (P. 19)

Child Lock lamp (P. 18)

Auto Tub Clean (P. 18)


Tangle Care (P. 10)

Child Lock (P. 18)

Preset (P. 14)

Air Dry (90 min) (P. 17)

Time Left



hours min

Start/Pause

Program selection (P. 10)

Stain Master (P. 16)

Power On/Off

NOTE

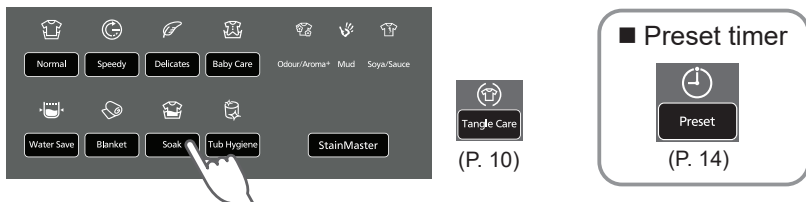
- In case of a power failure.
 - ⇒ Operation will resume from where it stopped when the power recovers.
- If you do not press **Start/Pause** within 10 minutes after power-on.
 - ⇒ Auto power off.
- The wash process setting of the “Stain Master” and “Soak” programs cannot be changed.

Washing

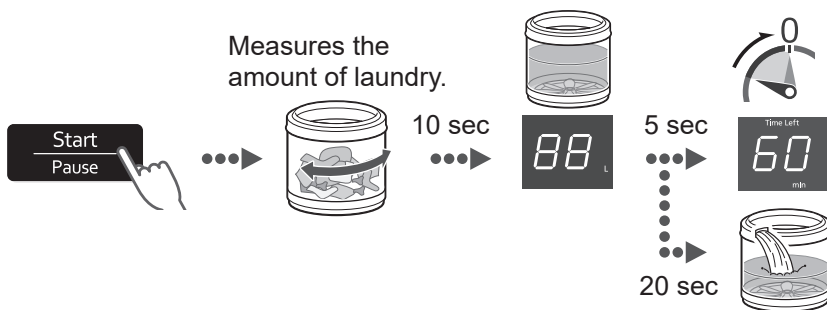
1



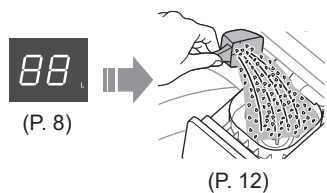
2



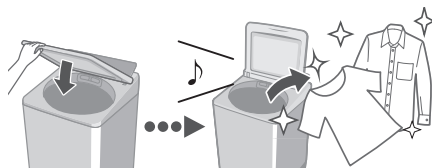
3



4

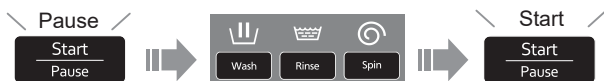


5















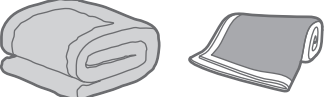
■ After pressing “Start”

- To change each operation (while washing).
















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

Variety of Programs

	Program	Purpose	Max. capacity * (kg)
Wash	 Normal (P. 9)	<ul style="list-style-type: none"> ● Everyday clothes 	18.0 16.0 14.5
	 Tangle Care (P. 9)	<ul style="list-style-type: none"> ● Anti-tangling • Washing more gently than “Normal” to reduce tangle. • Disentangling clothes after spin: 8 kg or less. 	18.0 16.0 14.5
	 Speedy (P. 9)	<ul style="list-style-type: none"> ● For light soil 	18.0 16.0 14.5
	 Delicates (P. 15)	<ul style="list-style-type: none"> ● Washing gently 	5.0
	 Baby Care (P. 9)	<ul style="list-style-type: none"> ● Clothes for babies & sensitive skin Rinsing thoroughly 	18.0 16.0 14.5
	 Water Save (P. 9)	<ul style="list-style-type: none"> ● Saving water 	18.0 16.0 14.5
	 Blanket (P. 15)	<ul style="list-style-type: none"> ● Comforters and blankets  <p>With a machine-washable tag</p>	4.2

* Top: NA-FD180X3 / Middle: NA-FD160X3 / Bottom: NA-FD145X3

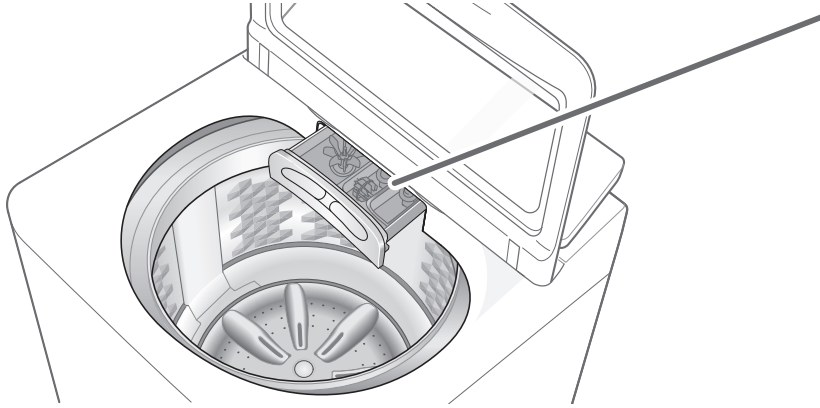
	Program	Purpose	Max. capacity * (kg)
Wash	 Soak (P. 9)	<ul style="list-style-type: none"> ● For heavy soil Presoaking to wash 	18.0 16.0 14.5
	StainMaster (P. 16)	<ul style="list-style-type: none"> ● For the following stains 	6.0
	Light  Odour/ Aroma+	<ul style="list-style-type: none"> ● Use more softener to keep the scent longer 	
	  Mud		
 Soya/Sauce Heavy		5.0	
Dry	 Air Dry (90 min) (P. 17, 23)	<ul style="list-style-type: none"> ● Drying synthetic fibre clothes 	3.0
Maintenance		<ul style="list-style-type: none"> ● Tub drying 	—
	 Tub Hygiene (P. 23)	<ul style="list-style-type: none"> ● Tub cleaning Removing black mould and smell 	—

NOTE

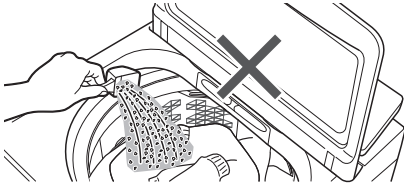
- “Normal” program and “Water Save” program are recommended for a normally soiled load at the rated capacity of this washing machine.

Detergent / Softener / Bleach

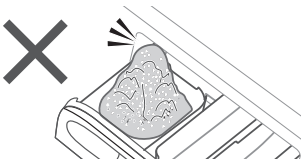
- Follow the instructions on each package.
- For cleaning (P. 21)
- Close auto dosing drawer completely before use.



Detergent



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

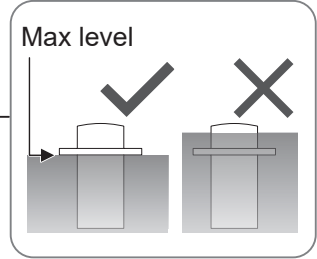
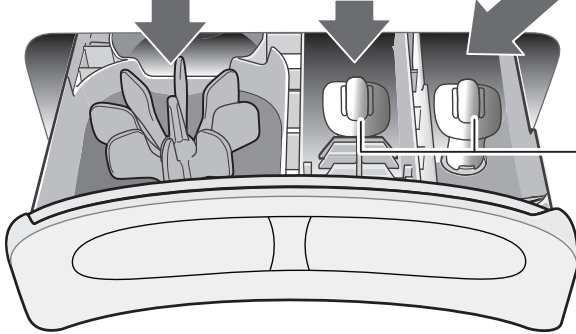
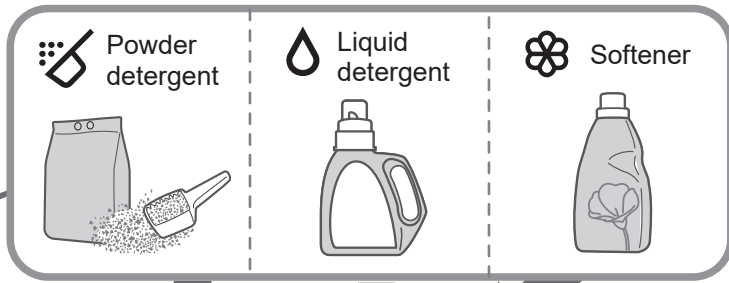


Bleach

Whiten bleach
(chlorine bleach)

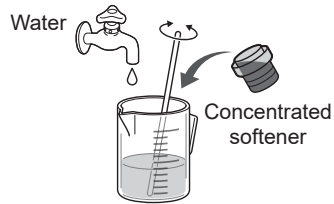


- To use bleach, put bleach in the powder detergent case (if bleach is in powder form) or liquid detergent case (if it is liquid bleach).



Softener

- To put softener while the machine is operating:

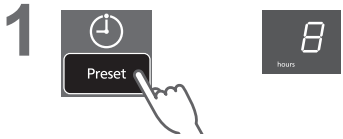


- Softener cannot be used with the "Water Save" program.

Washing Options

Preset

Set how many hours later to finish operation.



All other indications turn off.

Normal	2 - 24
Speedy	1 - 24
Delicate	-
Baby Care	2 - 24
Water Save	2 - 24
Blanket	-
Soak	3 - 24
StainMaster	2 - 24
Air Dry(90 min)	-
Tub Hygiene	-

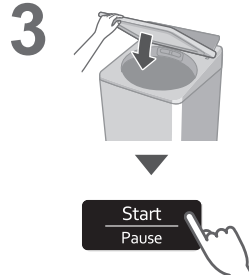
■ To confirm



■ To cancel or change



Wash / Rinse / Spin



NOTE

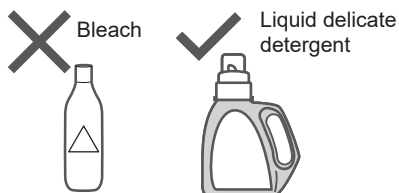
- Not available for "Tangle Care".



Delicates

74 L	5.0 kg
66 L	3.0 kg
59 L	1.0 kg

NOTE



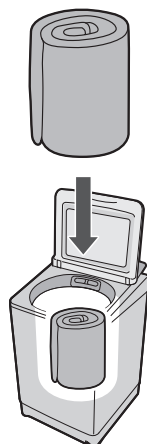
■ After operation ends



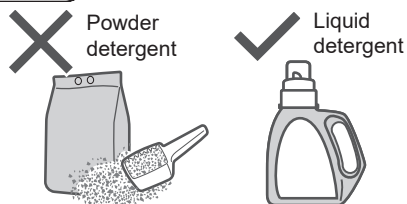
Blanket

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

* NA-FD180X3: 105 L / NA-FD160X3: 99 L / NA-FD145X3: 93 L



NOTE



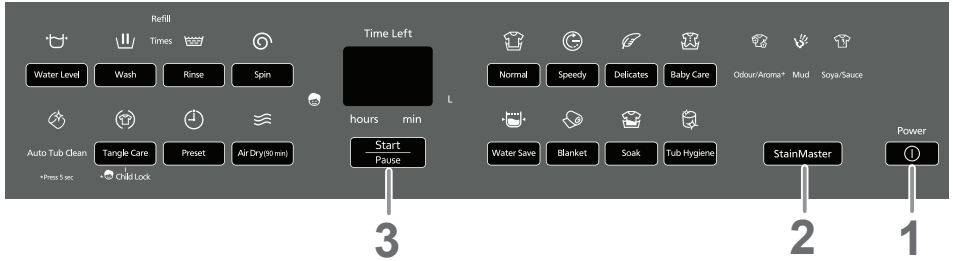
NOTE

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

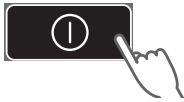
Washing Options (continued)

Stain Master

Preparation: (P. 7)



1



2



■ Timer preset (hours) (P. 14)

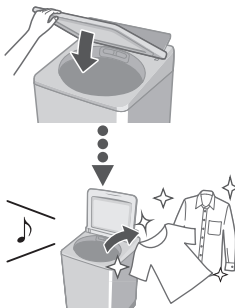
3



4

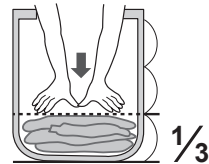


5



NOTE

- Max. capacity (P. 11)



- Max. water amount: 81 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. 3.0 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

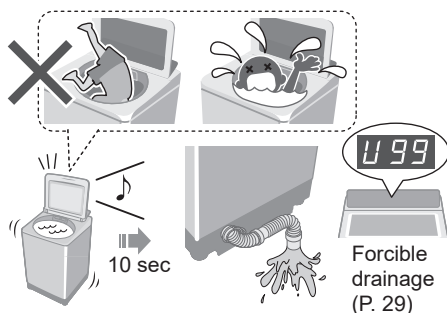
- 1
- 2
- 3 Hold 3 sec
- 4 to select ↔ off on
- 5

Cancelling end buzzer

- 1 & Hold 3 sec

- To reset:
same procedure








Setting Child Lock





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

- 1
 - 2 Hold 5 sec
- To cancel: same procedure

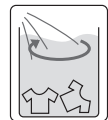
Contents of Programs

Program		Total time* ¹ (min)	Wash (min)	Rinse (times)	Spin (min)
	Normal	65	9	2	7
	Tangle Care	75	13	2	7
	Speedy	50	3	2	5
	Delicates	50	9	2	1
	Baby Care	80	9	2	7
	Water Save	80	12	3	7
	Blanket	80	12	2	7
	Soak	130 * ²	71 (Soak 59)	2	7
Stain Master	Odour/Aroma+	85	13	2	7
	Mud	90	32	2	7
	Soya/Sauce	110 * ²	54 (Soak 29)	2	7
	Tub Hygiene	150 * ²	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.   

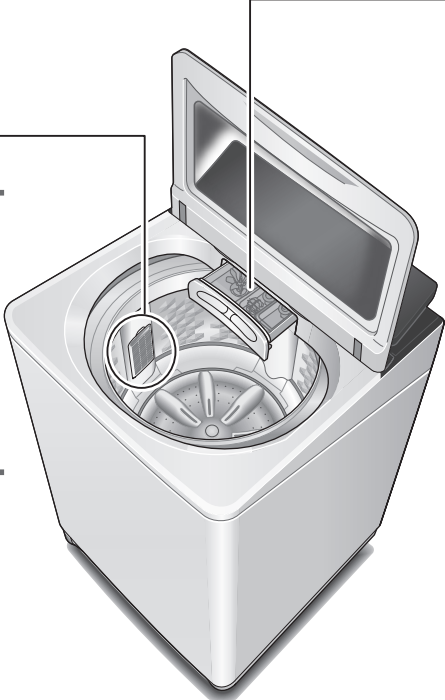
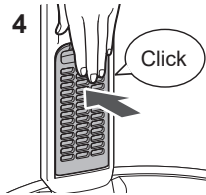
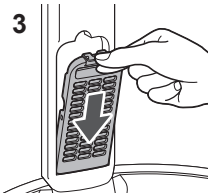
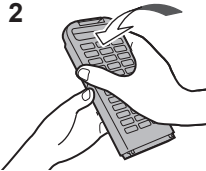
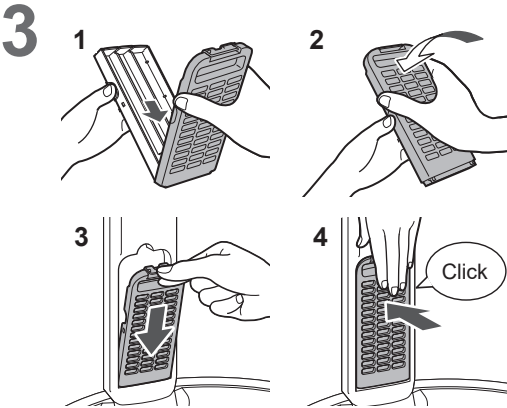
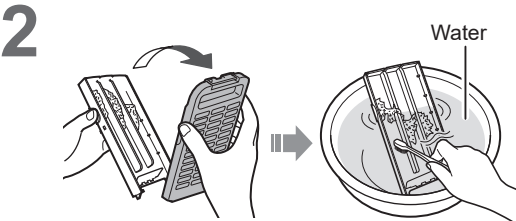
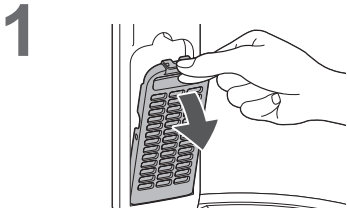
- “Refill”: to fill the tub with water and rinse while supplying water.



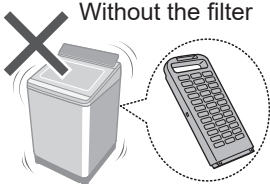
Maintenance

Lint filter

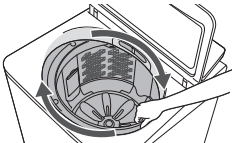
After each operation



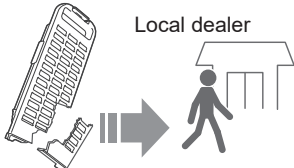
NOTE



If it is difficult to remove the filter



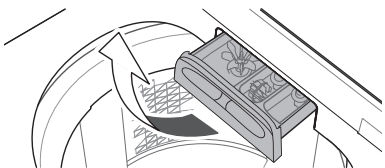
If the filter is broken
Local dealer



Detergent and softener drawer

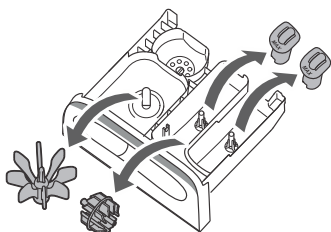
If stained with detergent or softener

1

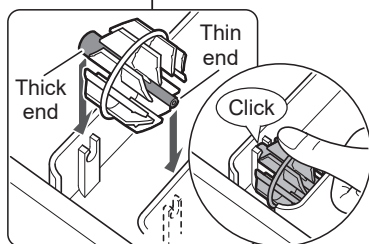
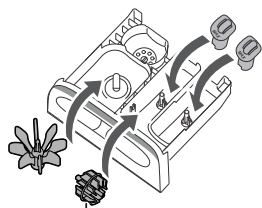


Remove

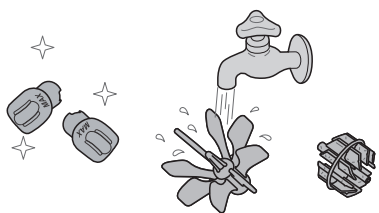
2



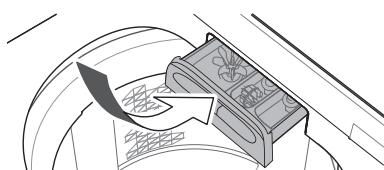
4



3



5



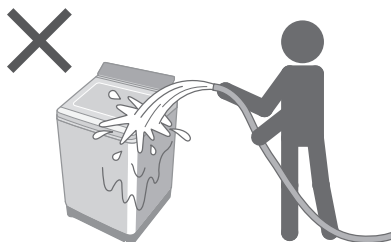
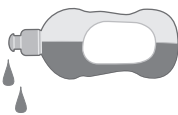
Attach

Main unit, lid



For heavy soil

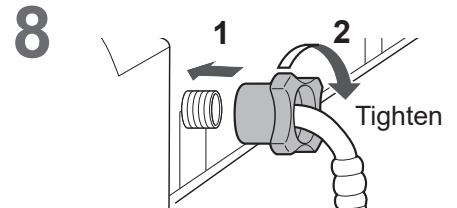
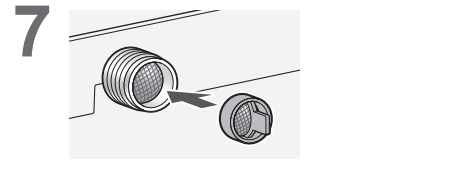
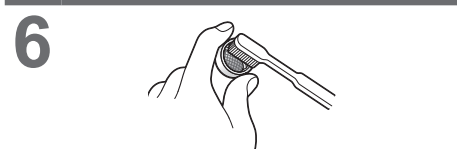
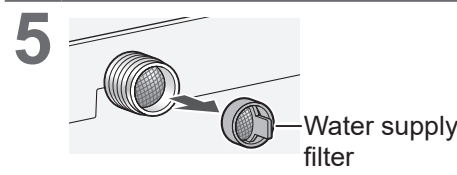
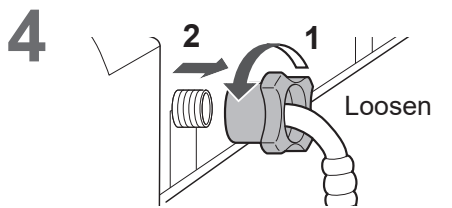
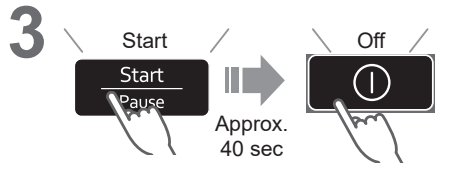
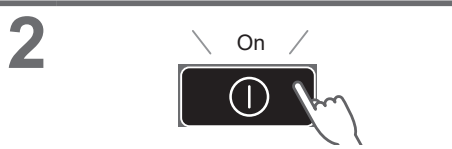
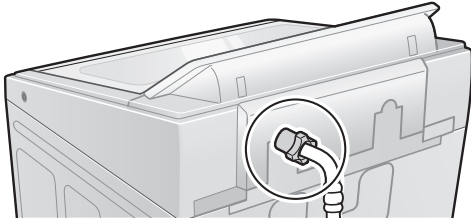
Neutral kitchen detergent



Maintenance (continued)

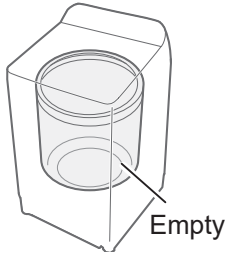
Water supply filter

If water does not flow smoothly



Tub

Once a week <Air Dry>

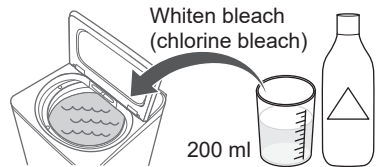


Once a month <Tub Hygiene>

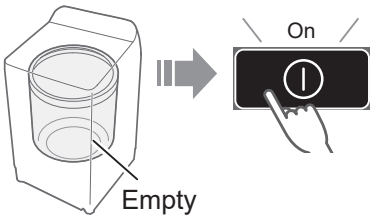
1



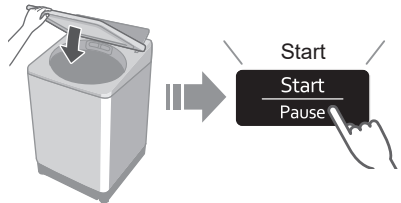
5



2



6

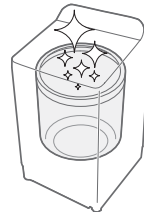
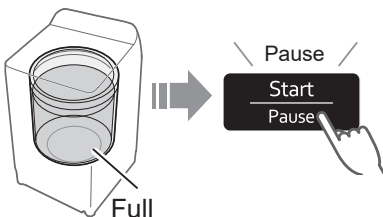


3



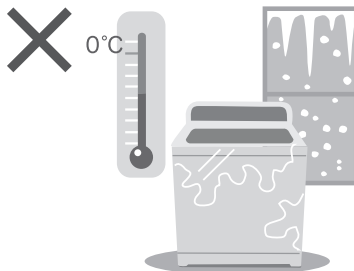
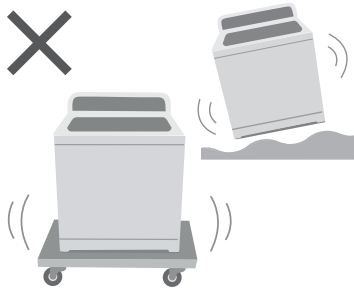
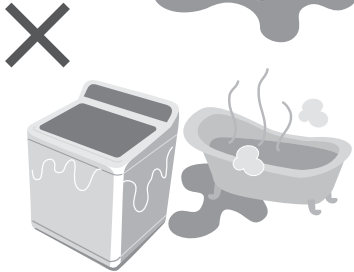
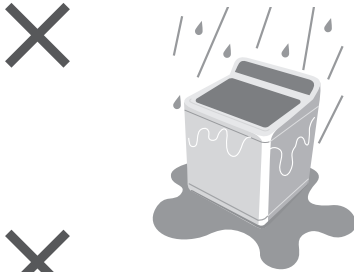
Approx. 2.5 hours

4



Installation

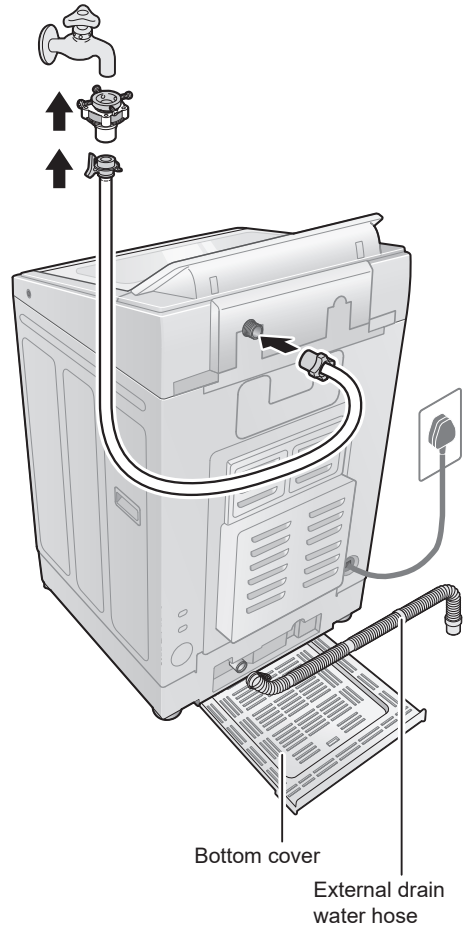
Check the location.



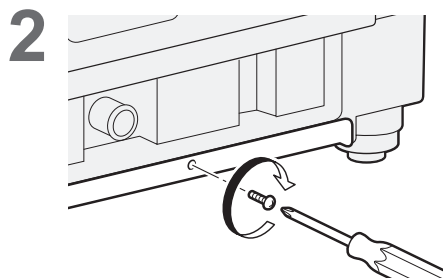
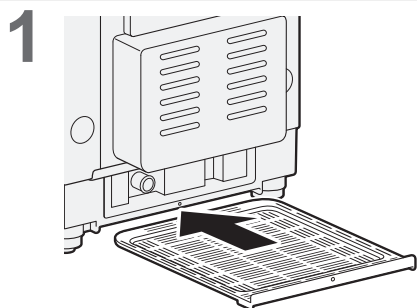
Make sure to ask a service person for installation.



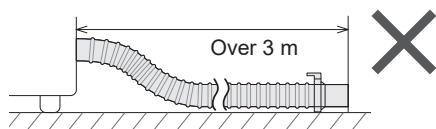
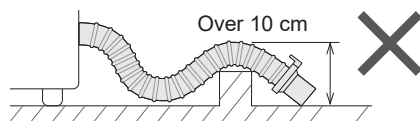
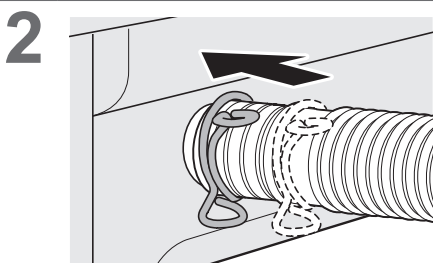
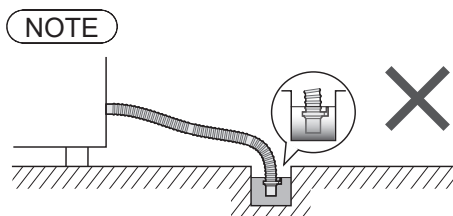
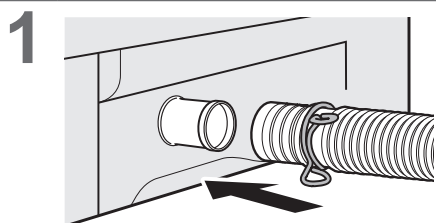
- Do not install by yourself.
- Follow this installation method.
If you do not, Panasonic will not be liable for any accident or damage.



Attach the bottom cover

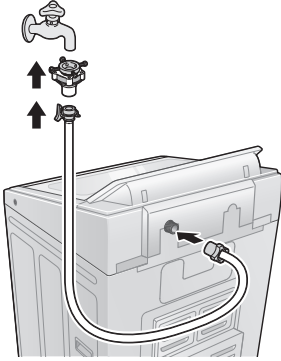


Attach the external drain water hose

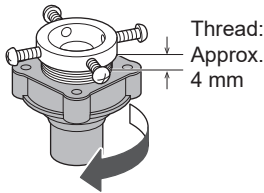


Installation (continued)

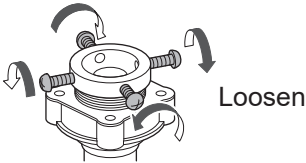
Connect the water supply hose



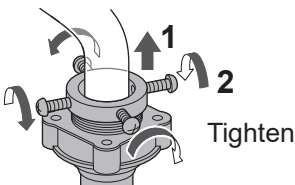
1



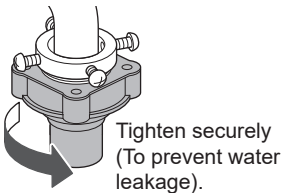
2



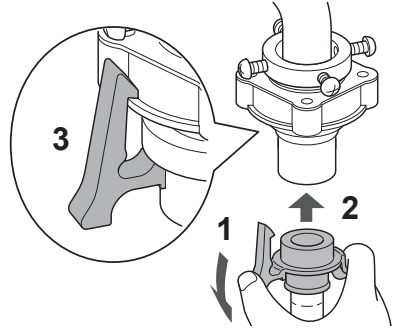
3



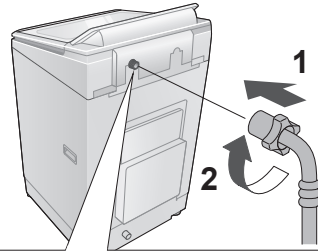
4



5

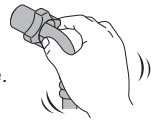


6



3

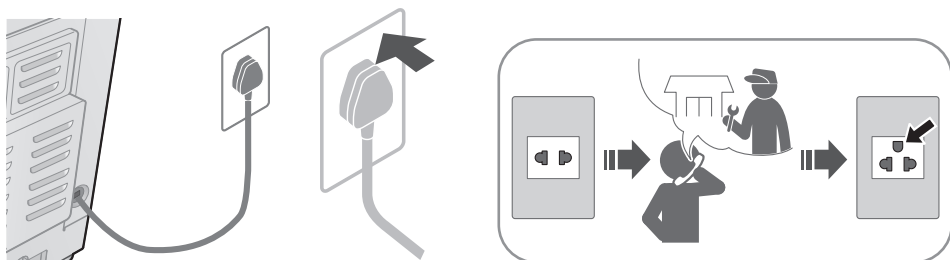
Check that the
elbow is not loose.



CAUTION

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

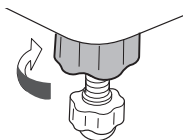
Connect the power plug and grounding



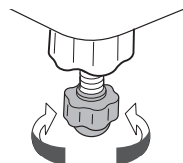
Check that the washing machine is level

■ If the washing machine wobbles

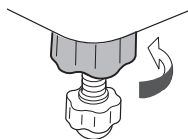
Loosen



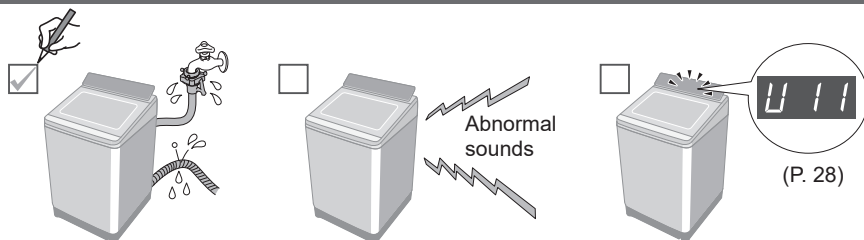
Adjust



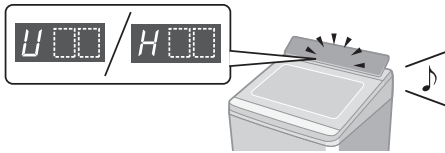
Tighten



Trial operation

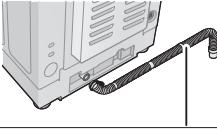
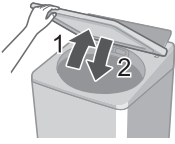
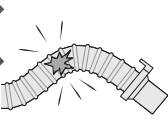
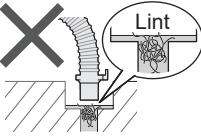
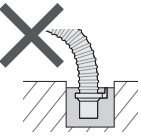
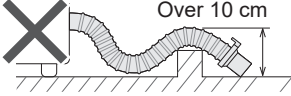
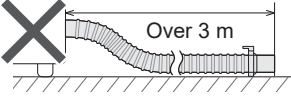
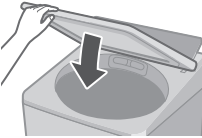



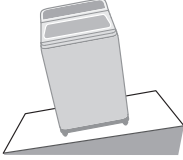
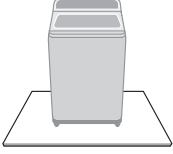



Error Display



■ Preparation





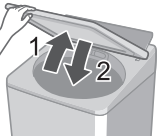
Cancel Child Lock (P. 18)
if it is set.

Error Display	Points to be checked
<p>U 11</p> <p>Water cannot drain.</p>	<p>1 Check</p>  <p>2</p>  <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>✗</p>  </div> <div style="text-align: center;"> <p>✗</p>  <p>Lint</p> </div> <div style="text-align: center;"> <p>✗</p>  </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> <p>✗</p>  <p>Over 10 cm</p> </div> <div style="text-align: center;"> <p>✗</p>  <p>Over 3 m</p> </div> </div>
<p>U 12</p> <p>The lid is open.</p>	<p>1</p> 
<p>U 13</p> <p>Spin or "Air Dry" is not possible.</p>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Uneven</p>  </div> <div style="text-align: center;"> <p>1 Even</p>  </div> <div style="text-align: center;"> <p>2</p>  </div> </div> <hr/> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Unstable or incline</p>  </div> <div style="text-align: center;"> <p>1 Stable</p>  </div> <div style="text-align: center;"> <p>2</p>  </div> </div>

Error Display	Points to be checked
---------------	----------------------


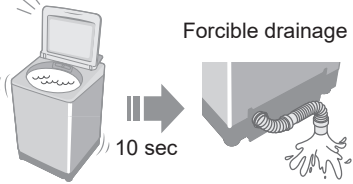
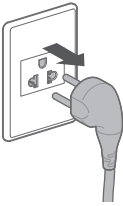

U 14

Water cannot be supplied.

<p>Water outage</p> 	<p>Turned off</p> 	
<p>1</p>  <p>Water supply filter (P. 22)</p> <p>2</p> 		




U 99

Water has been forcibly drained.








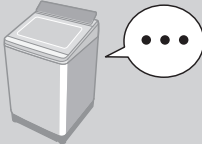


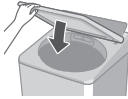





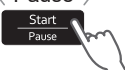



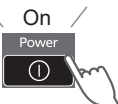
<p>With Child Lock set</p> 	<p>Forcible drainage</p>  <p>10 sec</p>
<p>1</p>  <p>5 sec</p> 	












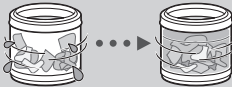

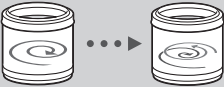

H

Inspection is required.







<p>1</p> 	<p>2</p> 	<p>3</p> 
---	---	--

Troubleshooting

	Symptoms	Points to be checked
Time	<p>Indication increases or does not decrease.</p> 	<p>Time indication is approximate. Remaining time is corrected during operation.</p> 
	<p>Longer than the indication.</p> 	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; width: 30%;"> <p>When clothes are uneven.</p>  </div> <div style="border: 1px solid black; padding: 5px; width: 30%;"> <p>When the water drainage is not good.</p>  </div> <div style="border: 1px solid black; padding: 5px; width: 30%;"> <p>When the water supply is not good.</p>  </div> </div> <p style="text-align: center;">⇒ The operation time may be longer.</p>
	<p>Operation passes the preset time.</p> 	
Main unit	<p>No operation</p> 	<p><input type="checkbox"/> Check</p> <ul style="list-style-type: none"> ● Power failure  ● Timer preset  <p><input type="checkbox"/> Try</p> <ul style="list-style-type: none"> ● Close the lid.  ● Turn on.  ● Insert the power plug completely.  ● Press "Start".  ● Turn breaker on. 
	<p>Cannot change process settings (after start).</p> 	<p><input type="checkbox"/> Try</p> <ul style="list-style-type: none"> ● During wash process <ol style="list-style-type: none"> 1 Pause  2  3 Start  ● After wash process <ol style="list-style-type: none"> 1 Off  2 On 

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

Troubleshooting (continued)

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

Specifications

Model No.	NA-FD180X3	NA-FD160X3	NA-FD145X3
Rated voltage	230 V		220 - 240 V
Rated frequency	60 Hz		50 Hz
Rated power consumption	480 W		
Standard water amount	105 L	99 L	93 L
Maximum mass of dry cloth	18.0 kg	16.0 kg	14.5 kg
Product dimensions	681 mm (W) x 747 mm (D) x 1112 mm (H)		
Product weight	48 kg		
Pressure of tap water	0.01 - 1 MPa		

Panasonic Corporation

<https://www.panasonic.com>

© Panasonic Appliances (Vietnam) Co., Ltd. 2024