

Operating & Installation Instructions

Fully Automatic Washing Machine
(Household Use)

Model No. **NA-FD13XR1** **NA-FD12XR1**
NA-FD13AR1 **NA-FD11AR1**



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Thank you for purchasing this product.

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

AWW9901C76C1-0C5

A0620-1080(S)(P)

Printed in Vietnam

08-2020



Safety Precautions

WARNING

May cause serious injury or death.

Children must not use it alone.

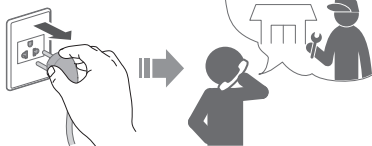


- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children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

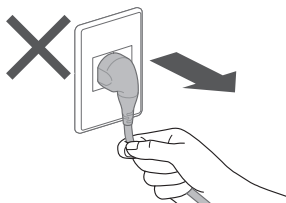


May cause fire or electric shock.

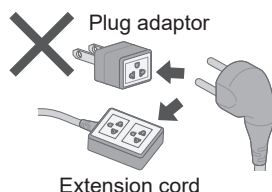
Do not touch it with wet hands.



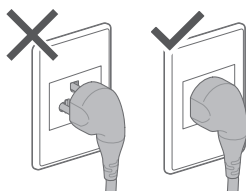
Do not hold or pull on the cord.



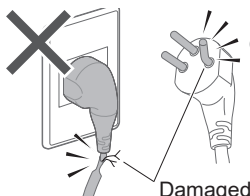
Do not use.



Fully insert it.

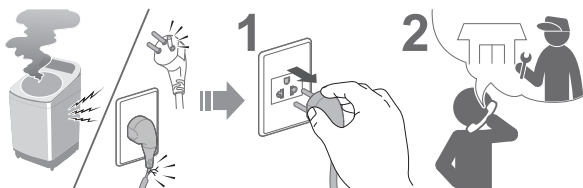


Do not use.

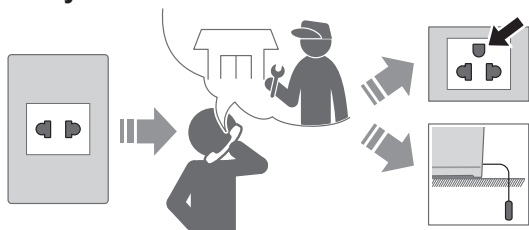


- If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

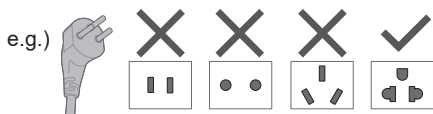
In case of failure or damaged power cord, stop use and ask the service centre.



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

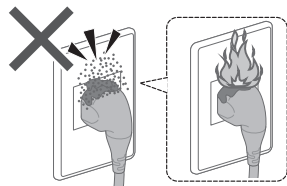


Use a socket appropriate for this appliance.



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

Accumulated dust may cause fire.



Wipe the power plug periodically.



Keep away from flammable materials.



May cause failure.

Never disassemble, repair or modify it by yourself.



Safety Precautions (continued)

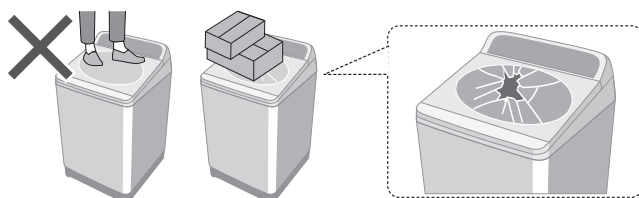
CAUTION

May cause injury.

Be careful not to get your fingers caught.

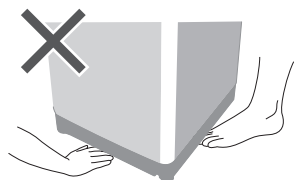


Do not climb or put objects on the appliance.



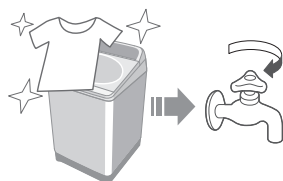
- If the lid is broken, immediately stop using.

Be careful of your hands and feet.

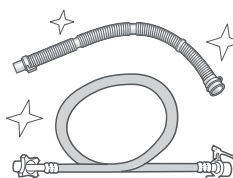


May cause water leakage.

Turn off the water faucet.



Use new hose-sets.

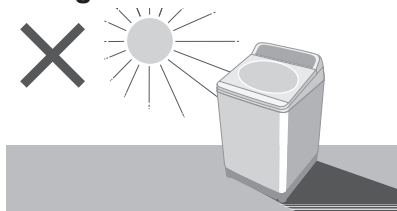


- New hose-sets supplied with the appliance are to be used and old hose-sets should not be reused.

■ For maximum dry cloth and tap water pressure, see Page 32.

May cause failure.

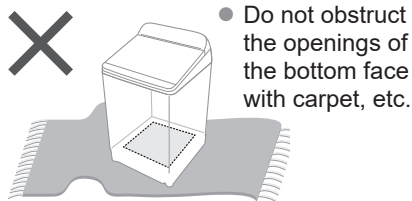
Keep away from heat and direct sunlight.



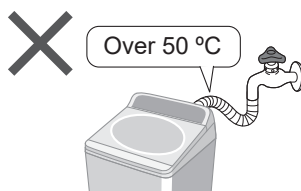
Do not wash waterproof items.



Do not obstruct.



Do not use hot water.



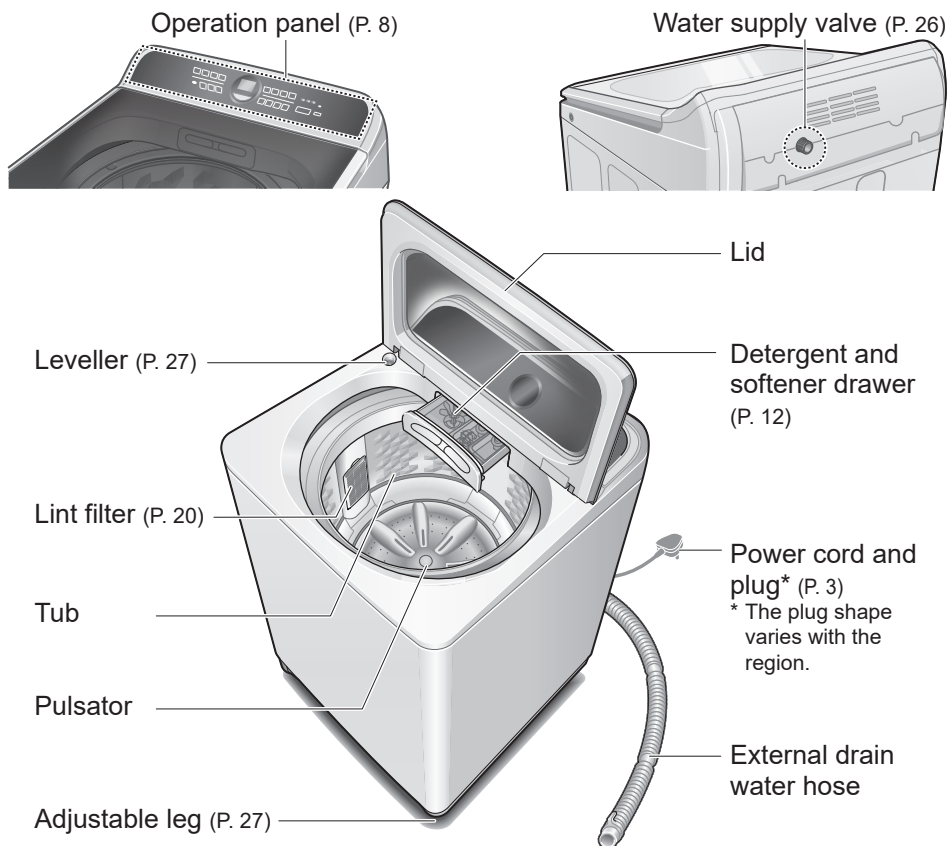
For Machine-washable items only.



- 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

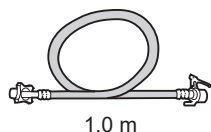
Part names



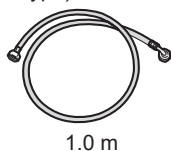
Accessories

☐ Water supply hose* (1) (P. 26)

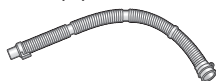
* The hose supplied depends on the region the unit is sold in.
(Joint type) (Screw type)



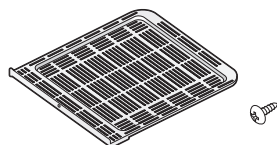
☐ Water tap adaptor* (1) (P. 26)



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



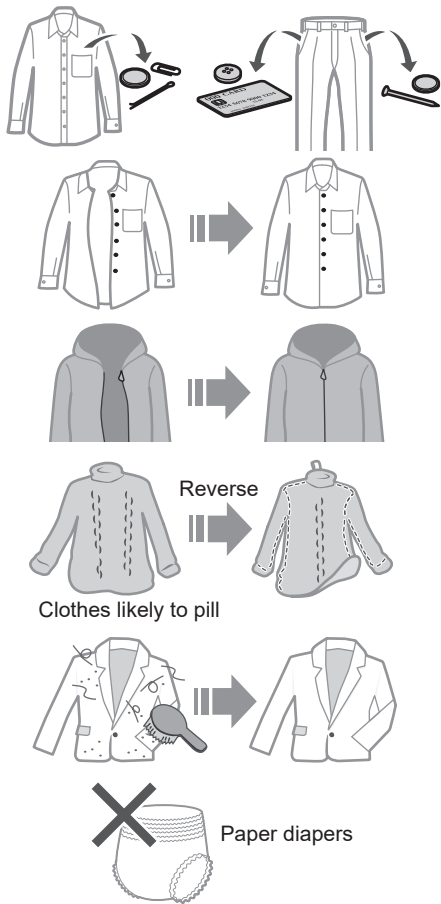
☐ Bottom cover (1) /
Screw (1) (P. 25)



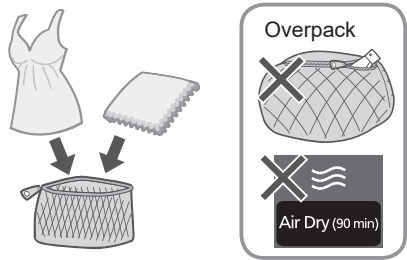
Before Washing

Laundry preparation and check

Pre-laundry check



Use laundry nets for delicates



For "Stain Master" (P. 16)

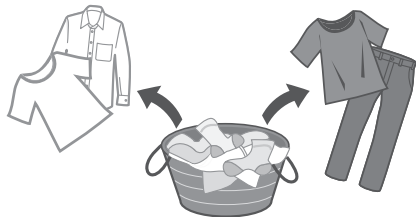
- Pretreatments for heavily stains



- Observe the clothes' care labels

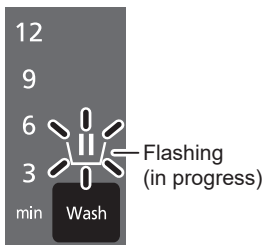


To prevent colour staining



Operation Panel

Change process settings (P. 14)



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-FD13XR1•FD13AR1: 79 L
NA-FD12XR1: 77 L
NA-FD11AR1: 75 L

*2 : 1 scoop of detergent

For NA-FD13XR1

Refill (P. 19)

ECONAVI (P. 17)

Stain Master (P. 16)



Auto Tub Clean
(P. 18)

Tangle Care
(P. 10)

Air Dry (P. 17)

Preset
(P. 14)

Start/Pause

Program selection (P. 10)

Power On/Off

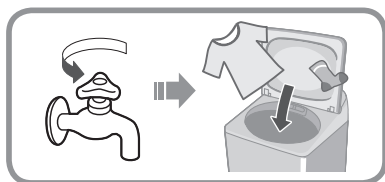
Child Lock lamp (P. 18)

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

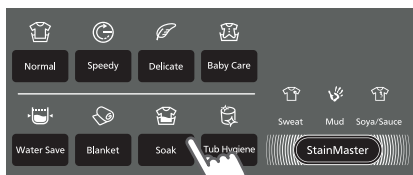
1



On
Off



2



(P. 10)

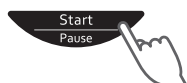
■ Preset timer



(P. 14)

3

Measures the amount of laundry.



10 sec



79 L

5 sec



Time Left
60 min

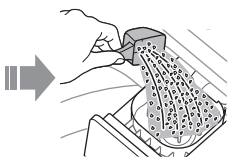
20 sec



4

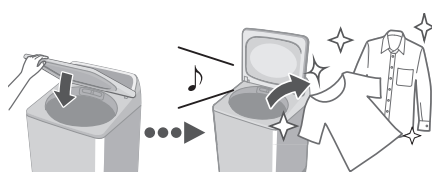
79 L

(P. 8)



(P. 12)

5



■ After pressing “Start”

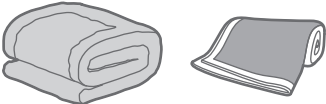
- To change each operation (while washing).



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



Variety of Programs

	Program	Purpose	Max. capacity * (kg)
Wash	 Normal (P. 9)	● Everyday clothes 	13.5 12.5 11.5
	 Tangle Care (P. 9)	● Anti-tangling • Washing more gently than “Normal” to reduce tangle. • Disentangling clothes after spin: 6 kg or less.	
	 Speedy (P. 9)	● For light soil 	13.5 12.5 11.5
	 Delicate (P. 15)	● Washing gently 	4.2
	 Baby Care (P. 9)	● Clothes for babies & sensitive skin - Rinsing thoroughly 	13.5 12.5 11.5
	 Water Save (P. 9)	● Saving water 	13.5 12.5 11.5
	 Blanket (P. 15)	● Comforters and blankets  With a machine-washable tag	4.2

* Top: NA-FD13XR1•NA-FD13AR1 / Middle: NA-FD12XR1 / Bottom: NA-FD11AR1

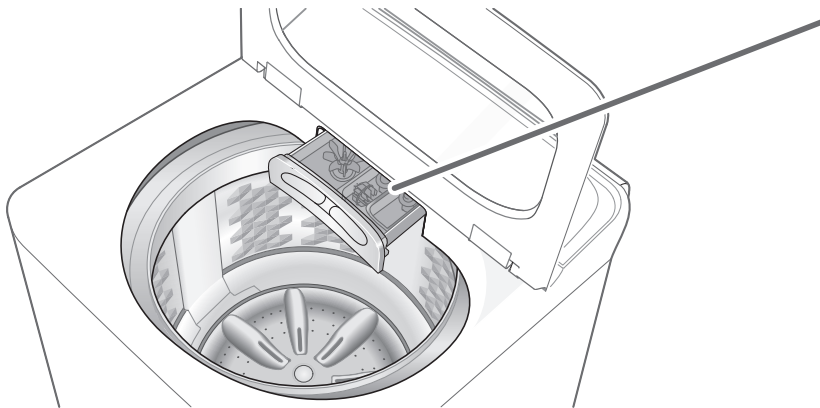
	Program	Purpose	Max. capacity * (kg)
Wash	 Soak (P. 9)	For heavy soil Presoaking to wash 	13.5 12.5 11.5
	StainMaster (P. 16)	For the following stains	5.0
	Light       Sweat		
	Mud 		
Dry	 Air Dry (90 min) (P. 17)	Drying synthetic fibre clothes 	2.0
		Tub drying 	—
Maintenance	 Tub Hygiene (P. 23)	Tub cleaning Removing black mould and smell 	—

NOTE

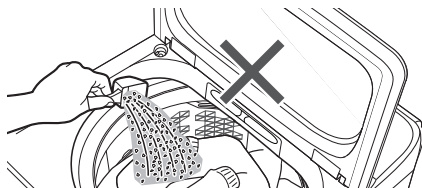
- “Normal” program and “Water Save” program are recommended for a normally soiled load at the rated capacity of this washing machine.
- “Water Save” program is recommended for Singapore.

Detergent / Softener / Bleach

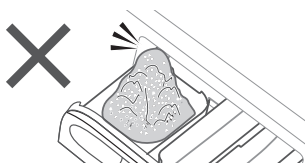
- Follow the instructions on each package.
- For cleaning (P. 21)
- Close detergent and softener drawer completely before use.



Detergent



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

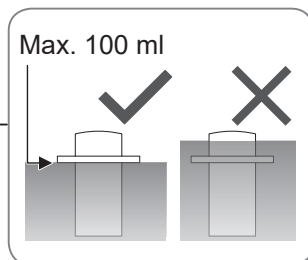
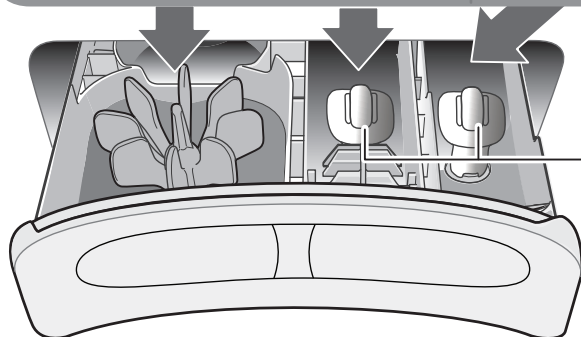
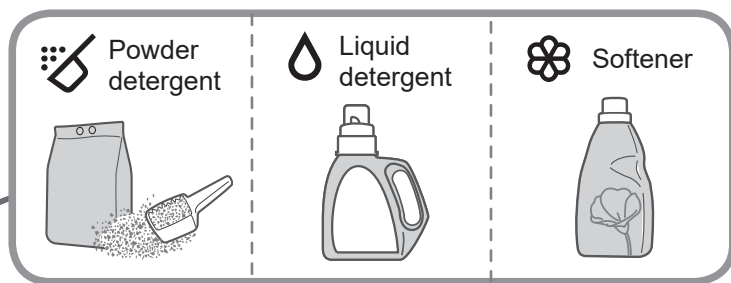


Bleach

Whiten bleach
(chlorine bleach)

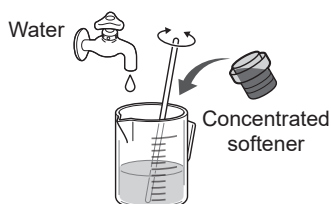


- To use bleach, put bleach in the powder detergent case (if bleach is in powder form) or liquid detergent case (if it is liquid bleach).



Softener

- To put softener while the machine is operating:



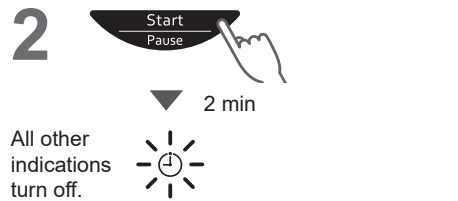
Do not use separated or solidified softeners

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

Washing Options

Preset

Set how many hours later to finish operation.



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	-

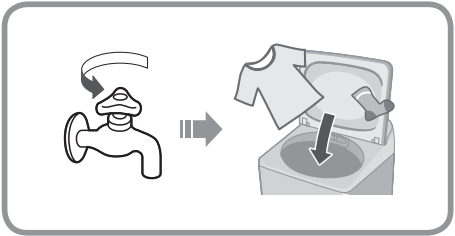
■ To confirm



■ To cancel or change



Wash / Rinse / Spin



NOTE

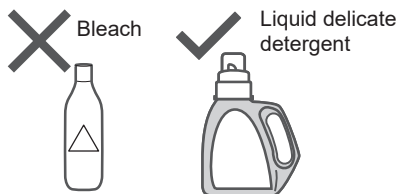
- Not available for "Tangle Care".



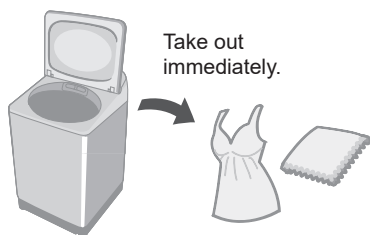
Delicate

65 L	4.2 kg
55 L	3.0 kg

NOTE



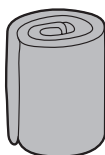
■ After operation ends



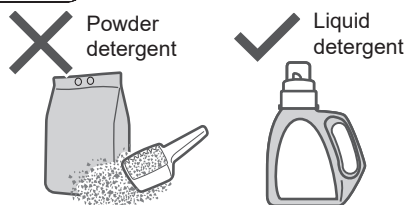
Blanket

Max. water amount *	4.2 kg • 100 % synthetic fibre • 100 % cotton
------------------------	---

* NA-FD13XR1•NA-FD13AR1: 79 L /
NA-FD12XR1: 77 L / NA-FD11AR1: 75 L



NOTE



NOTE

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

Washing Options (continued)

Stain Master

Preparation: (P. 7)

For NA-FD13XR1



1



2



■ Timer preset (hours) (P. 14)

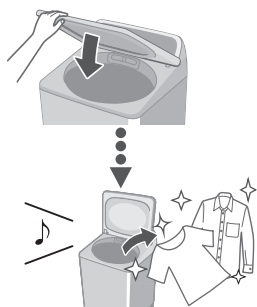
3



4

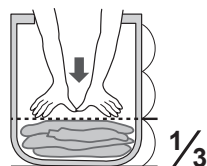


5



NOTE

- Max. 5.0 kg



- 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)



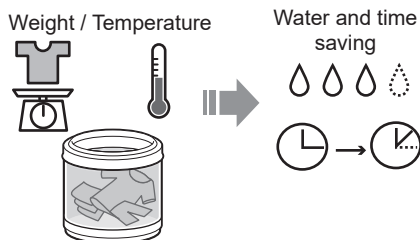
NOTE

- 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.

NA-FD13XR1 / NA-FD12XR1

ECONAVI

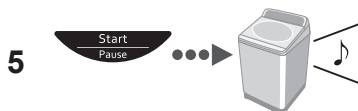
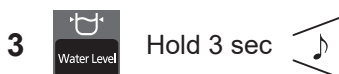
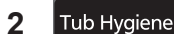
- “Normal” program only



■ Lamp indications

	ECONAVI	Detecting
	ECONAVI	ECONAVI enabled
	ECONAVI	ECONAVI disabled

■ To turn on/off



* Test conditions:

- “Normal” program
- Comparison between ECONAVI-enabled operation (amount of laundry: 2.0 kg, water temperature: above 35 °C) and ECONAVI-disabled operation (amount of laundry: 13.5 or 12.5 kg (rated capacity), water temperature: below 15 °C)
- Test was conducted based on IEC60456 except for water temperature.

Convenient Functions

Setting Auto Tub Clean

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

■ Lamp indications

Auto Tub Clean  Detecting

Auto Tub Clean  Function enabled

Auto Tub Clean  Function disabled

■ To turn on/off

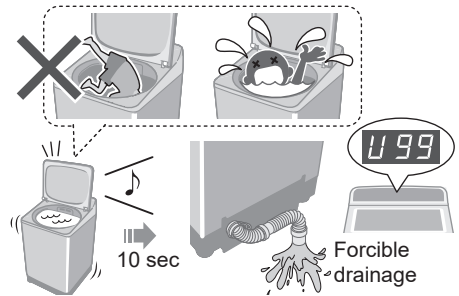
- 1 
- 2 
- 3  Hold 3 sec 
- 4  to select  
- 5   

Cancelling end buzzer

- 1  &  Hold 3 sec  

■ To reset:
same procedure 

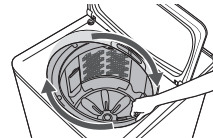
Setting Child Lock



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

- 1 
 - 2  Hold 5 sec   x2
- To cancel: same procedure  x4

Turning the tub by hand



Contents of Programs

Program		Total time* ¹ (min)	Wash (min)	Rinse* ² (times)	Spin (min)
	Normal	65	10	2	7
	Speedy	45	3	2	5
	Delicate	50	9	2	1
	Baby Care	70	10	2	7
	Water Save	85	12	4	5
	Blanket	70	12	2	5
	Soak	125 * ²	71 (Soak 59)	2	7
	Sweat	65	13	2	7
	Mud	85	32	2	7
	Soya/Sauce	105 * 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.

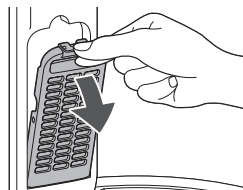


Maintenance

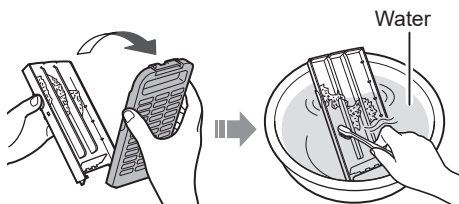
Lint filter

After each operation

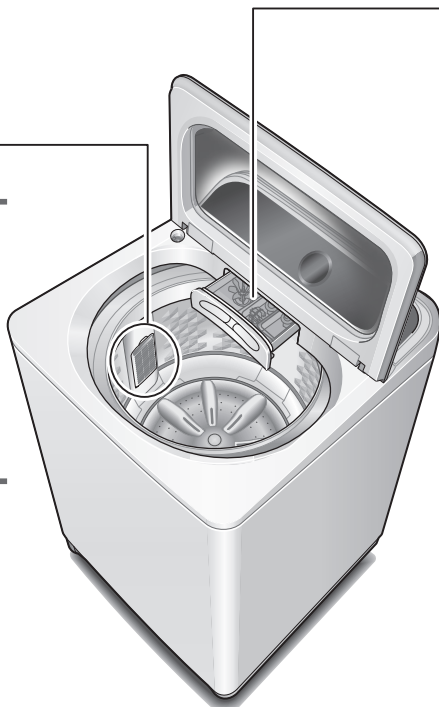
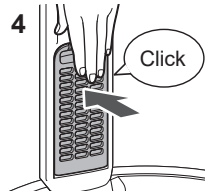
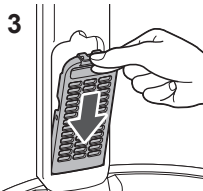
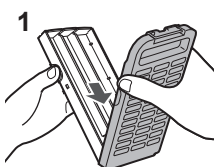
1



2



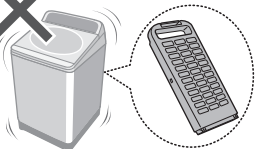
3



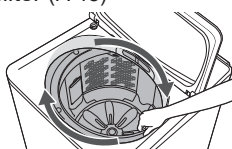
NOTE



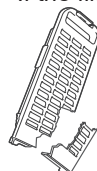
Without the filter



If it is difficult to remove the filter (P. 18)



If the filter is broken



Local dealer



Detergent and softener drawer

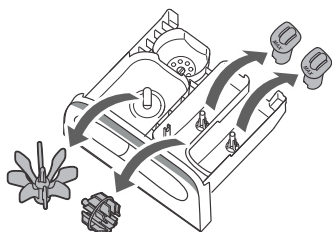
If stained with detergent or softener

1

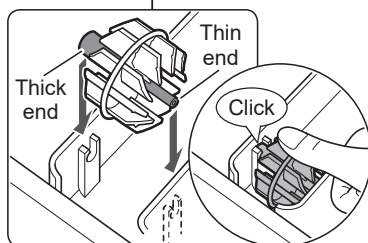
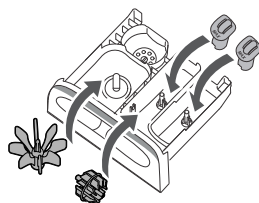


Remove

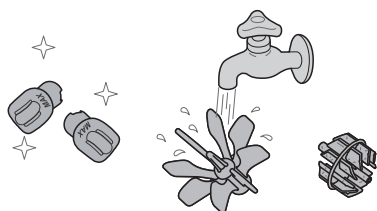
2



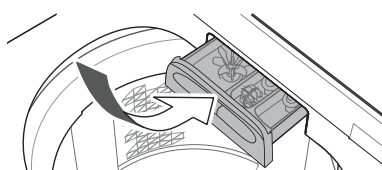
4



3



5



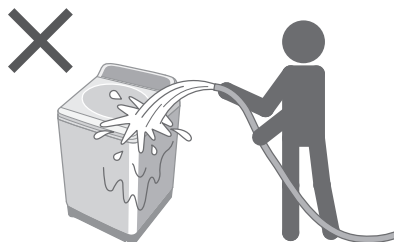
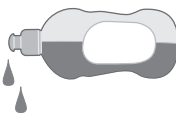
Attach

Main unit, lid



For heavy soil

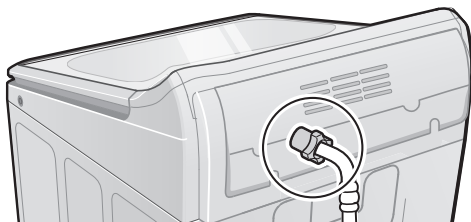
Neutral kitchen detergent



Maintenance (continued)

Water supply filter

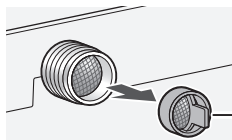
If water does not flow smoothly



1

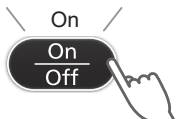


5



Water supply filter

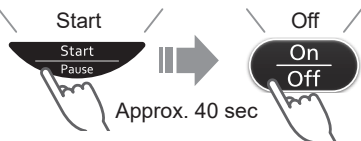
2



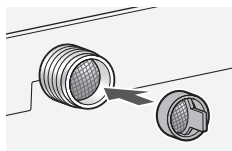
6



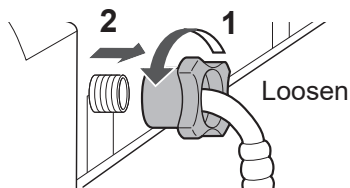
3



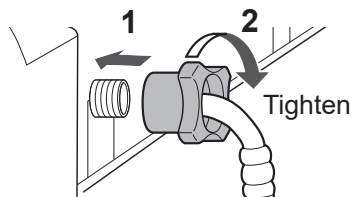
7



4

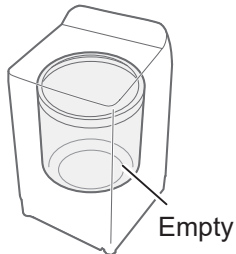


8



Tub

Once a week <Air Dry>

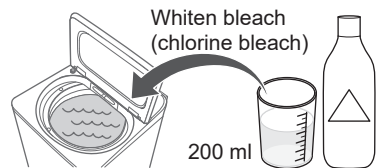


Once a month <Tub Hygiene>

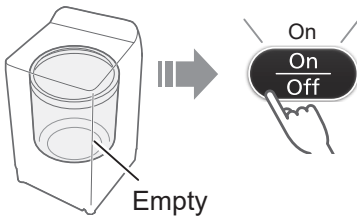
1



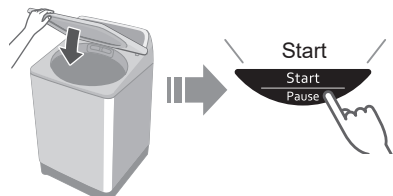
5



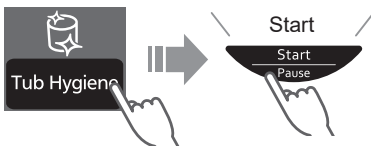
2



6

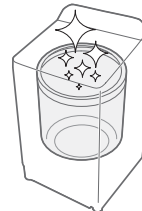
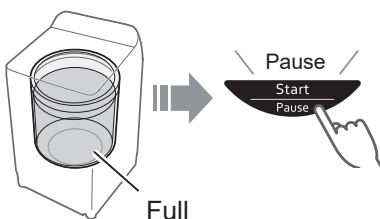


3



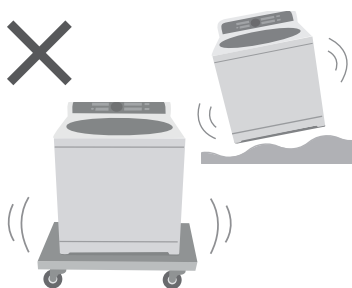
Approx. 2.5 hours

4



Installation

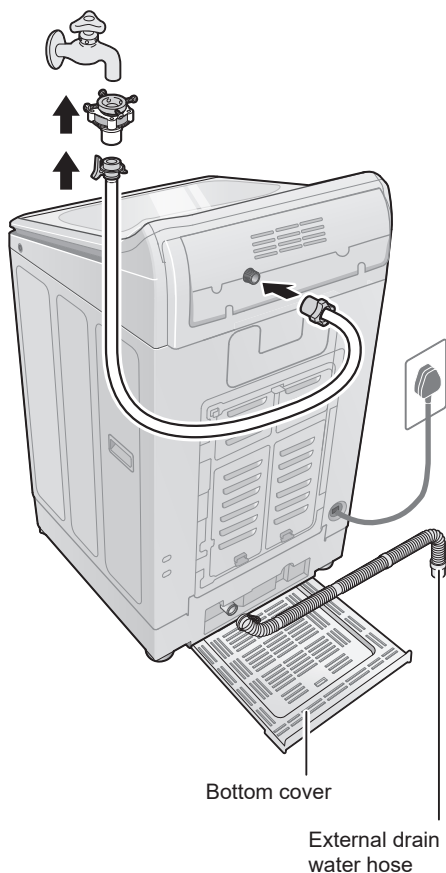
Check the location.



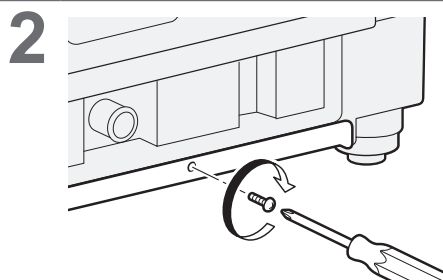
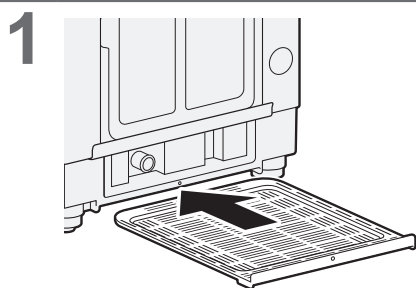
Make sure to ask a service person for installation.



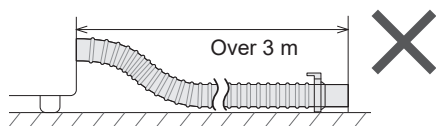
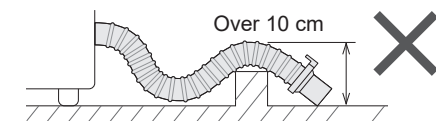
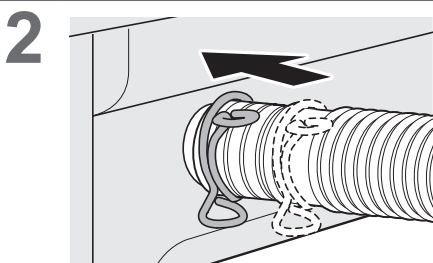
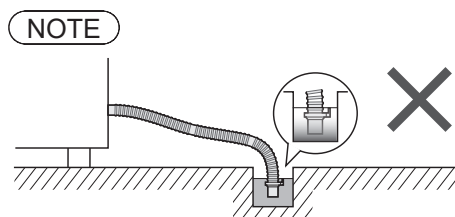
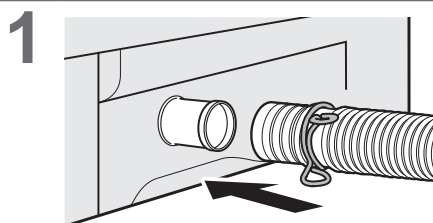
- Do not install by yourself.
- Follow this installation method.
If you do not, Panasonic will not be liable for any accident or damage.



Attach the bottom cover



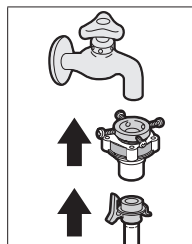
Attach the external drain water hose



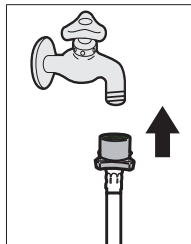
Installation (continued)

Connect the water supply hose

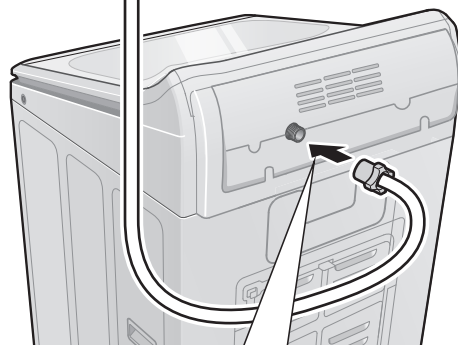
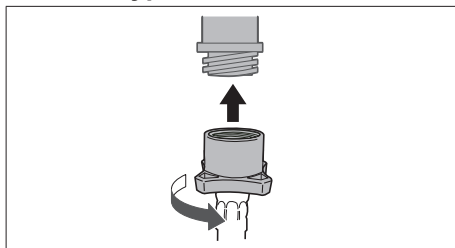
Joint type



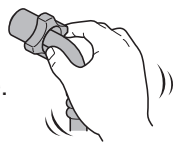
Screw type



■ Screw type



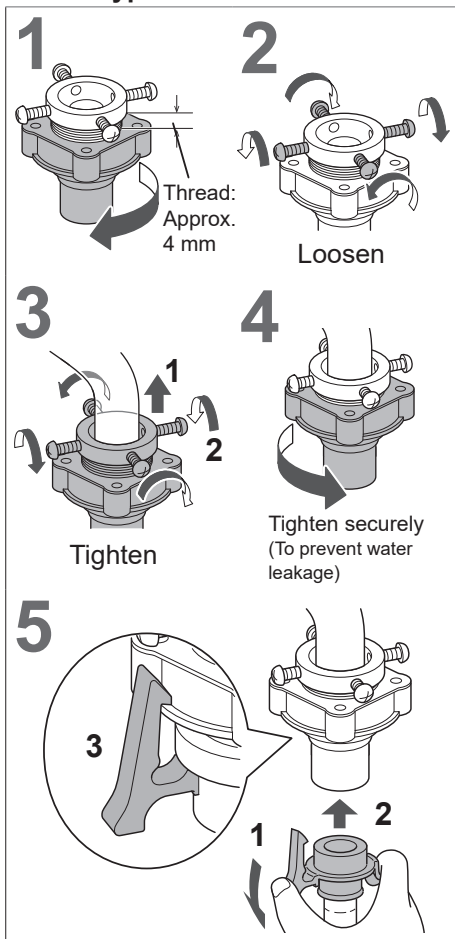
Check that the elbow is not loose.



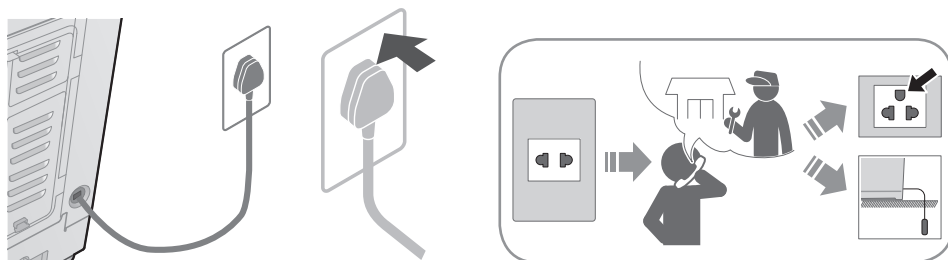
CAUTION

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

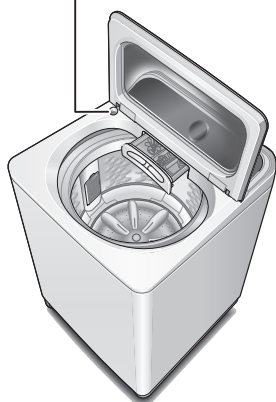
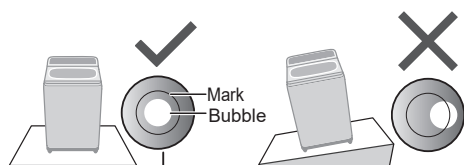
■ Joint type



Connect the power plug and grounding

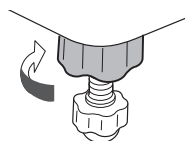


Check that the washing machine is level

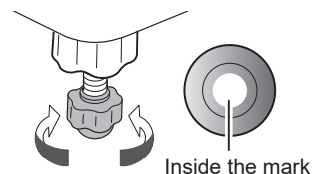


■ If the bubble is out of the mark

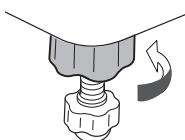
Loosen



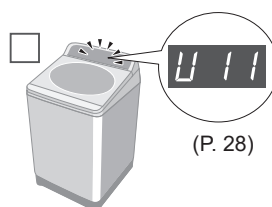
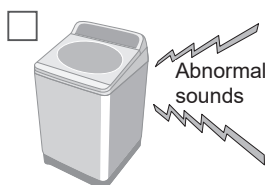
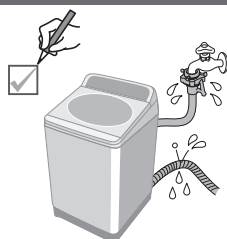
Adjust



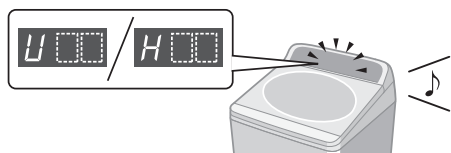
Tighten



Trial operation

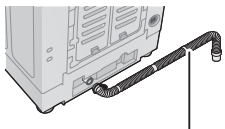
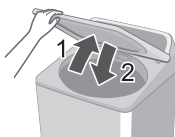
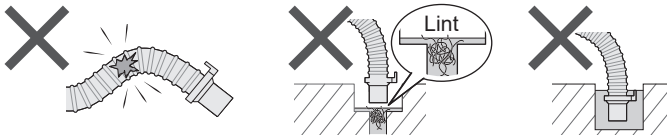
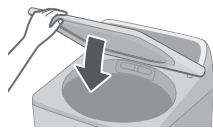
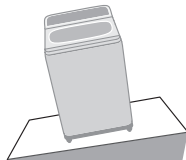
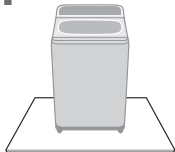


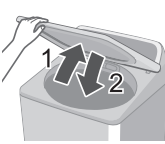
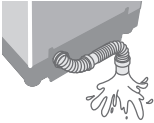
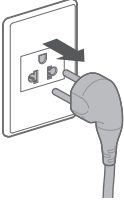
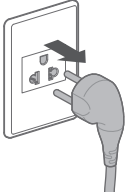
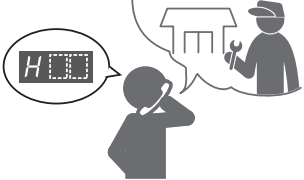
Error Display



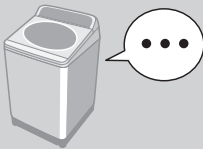
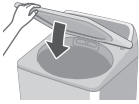
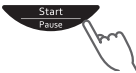
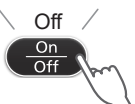
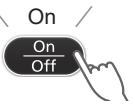
■ Preparation

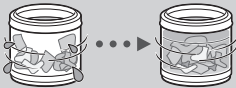
Cancel Child Lock (P. 18)
if it is set.

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

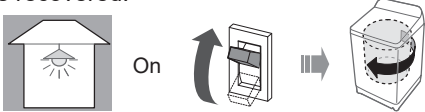
Error Display	Points to be checked
 Water cannot be supplied.	Water outage  Turned off   1  Water supply filter (P. 22) 2 
 Water has been forcibly drained.	With Child Lock set  Press 5 seconds Child Lock/Unlock  Forcible drainage  1   5 sec 10 sec
 Inspection is required.	1  2  3 

Troubleshooting

	Symptoms	Points to be checked
Time	Indication increases or does not decrease. 	Time indication is approximate. Remaining time is corrected during operation. 
	Longer than the indication. 	When clothes are uneven.  When the water drainage is not good.  When the water supply is not good. 
	Operation passes the preset time. 	 The operation time may be longer.
Main unit	No operation 	☐ Check ● Power failure  ● Timer preset  ☐ Try ● Close the lid.  ● Turn on.  ● Insert the power plug completely.  ● Press "Start".  ● Turn breaker on. 
	Cannot change process settings (after start). 	☐ Try ● During wash process 1 Pause  2  3 Start  ● After wash process 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	Spin changes to rinse. Rinse starts instead of spin. 	If clothes are uneven, this appliances automatically corrects unevenness by rinse process. 
	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. 	☐ Check ☐ Try ● Under 5.0 kg  ● Pretreatments (P. 7)  ● Select according to the stain type. (P. 11) 

Specifications

Model No.	NA-FD13XR1 NA-FD13AR1	NA-FD12XR1	NA-FD11AR1
Rated voltage	230 V		220 - 240 V
Rated frequency	60 Hz		50 Hz
Rated power consumption	435 W		390 W
Standard water amount	79 L	77 L	75 L
Maximum capacity (Dry cloth)	13.5 kg	12.5 kg	11.5 kg
Product dimensions	639 mm (W) x 724 mm (D) x 1069 mm (H)		639 mm (W) x 724 mm (D) x 1049 mm (H)
Product weight	40 kg		
Pressure of tap water	0.01 - 1 MPa		

Panasonic Corporation

<http://www.panasonic.com>

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