

Panasonic®

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

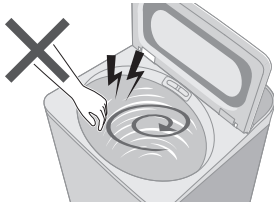
May cause serious injury or death.

Children must not use it alone.

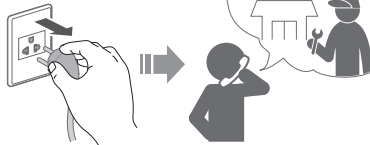


- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children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

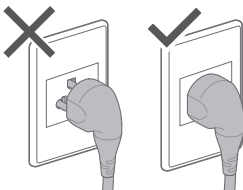


May cause fire or electric shock.

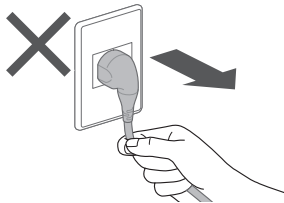
Do not touch it with wet hands.



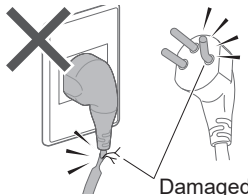
Fully insert it.



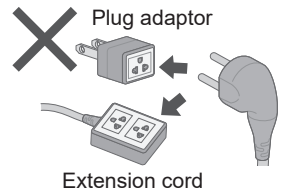
Do not hold or pull on the cord.



Do not use.

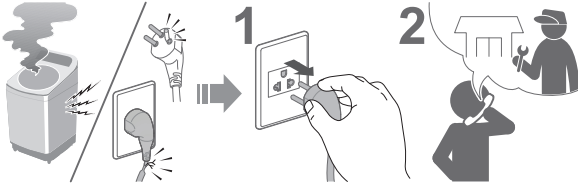


Do not use.

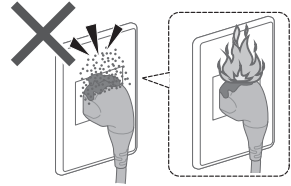


- If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

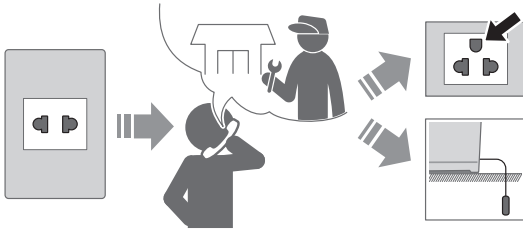
In case of failure or damaged power cord, stop use and ask the service centre.



Accumulated dust may cause fire.



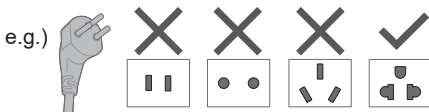
**Securely insert the ground prong.
Call your local dealer for a new socket.**



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.

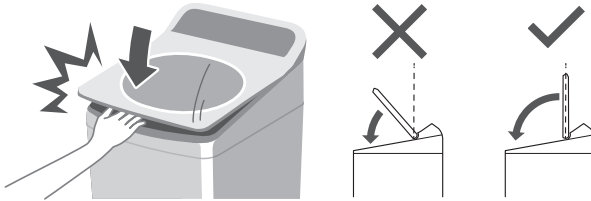


Safety Precautions (continued)

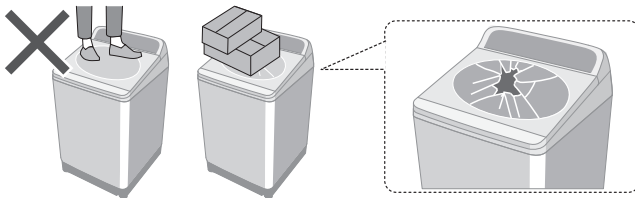
CAUTION

May cause injury.

Be careful not to get your fingers caught.

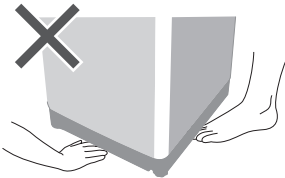


Do not climb or put objects on the appliance.



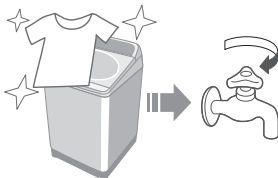
- If the lid is broken, immediately stop using.

Be careful of your hands and feet.

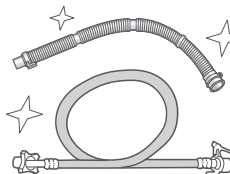


May cause water leakage.

Turn off the water faucet.



Use new hose-sets.

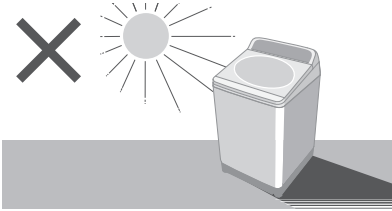


- New hose-sets supplied with the appliance are to be used and old hose-sets should not be reused.

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

May cause failure.

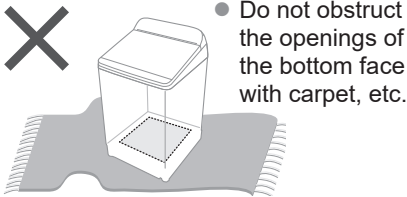
Keep away from heat and direct sunlight.



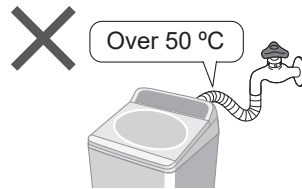
Do not wash waterproof items.



Do not obstruct.



Do not use hot water.



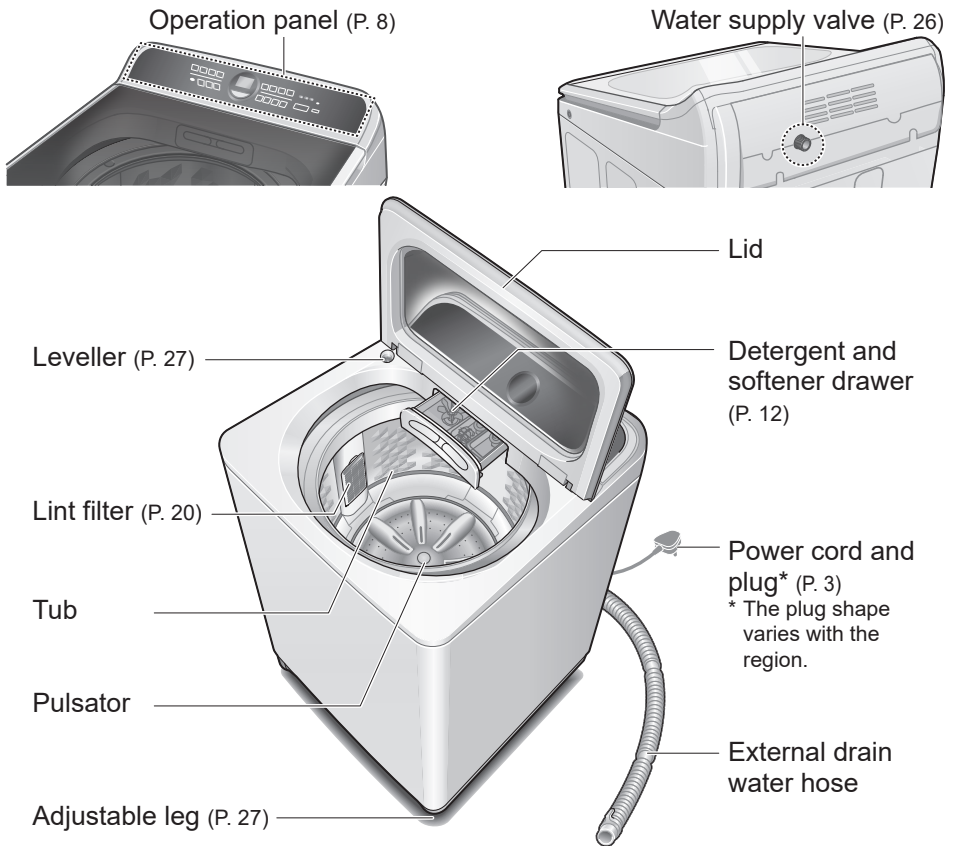
For Machine-washable items only.



- 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

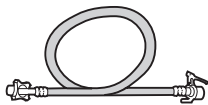
Part names



Accessories

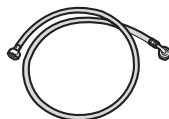
Water supply hose* (1) (P. 26)

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



1.0 m

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

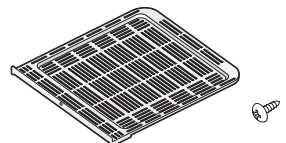


1.0 m

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



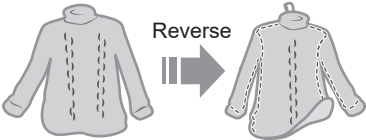
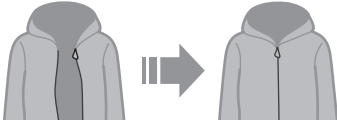
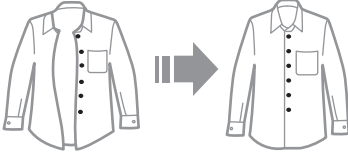
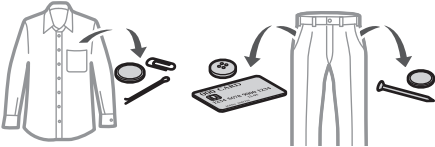
Bottom cover (1) / Screw (1) (P. 25)



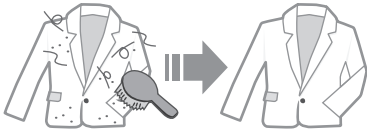
Before Washing

Laundry preparation and check

Pre-laundry check

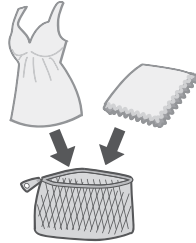


Clothes likely to pill



Paper diapers

Use laundry nets for delicates



For "Stain Master" (P. 16)

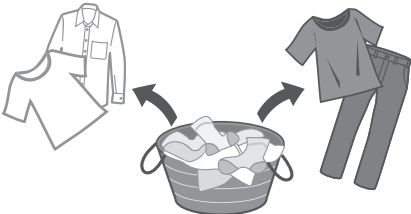
- Pretreatments for heavily stains



- Observe the clothes' care labels



To prevent colour staining



Operation Panel

Change process settings (P. 14)

12
9
6
3
min Wash

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-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)

Child Lock lamp (P. 18)

Tangle Care (P. 10)

Air Dry (P. 17)

Preset (P. 14)

Start/Pause

Program selection (P. 10)

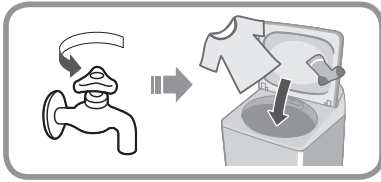
Power On/Off

NOTE

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

Washing

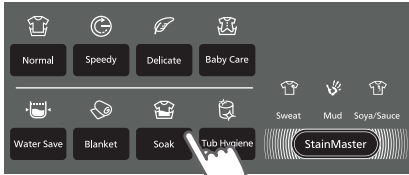
1



On
Off



2



(P. 10)

■ Preset timer



(P. 14)

3

Measures the amount of laundry.



10 sec



79

5 sec



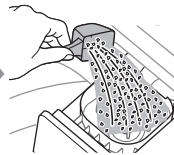
Time Left
60
min

20 sec



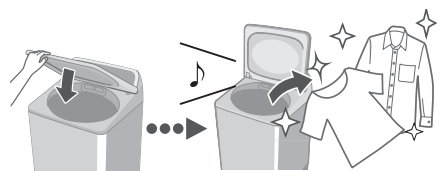
4

79
(P. 8)



(P. 12)

5



■ After pressing “Start”













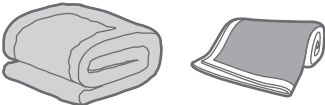
- To change each operation (while washing).


















- 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)	<ul style="list-style-type: none"> ● Everyday clothes 	13.5 12.5 11.5
	 Tangle Care (P. 9)	<ul style="list-style-type: none"> ● Anti-tangling • Washing more gently than “Normal” to reduce tangle. • Disentangling clothes after spin: 6 kg or less. 	
	 Speedy (P. 9)	<ul style="list-style-type: none"> ● For light soil 	13.5 12.5 11.5
	 Delicate (P. 15)	<ul style="list-style-type: none"> ● Washing gently 	4.2
	 Baby Care (P. 9)	<ul style="list-style-type: none"> ● Clothes for babies & sensitive skin Rinsing thoroughly 	13.5 12.5 11.5
	 Water Save (P. 9)	<ul style="list-style-type: none"> ● Saving water 	13.5 12.5 11.5
	 Blanket (P. 15)	<ul style="list-style-type: none"> ● Comforters and blankets  <p>With a machine-washable tag</p>	4.2

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

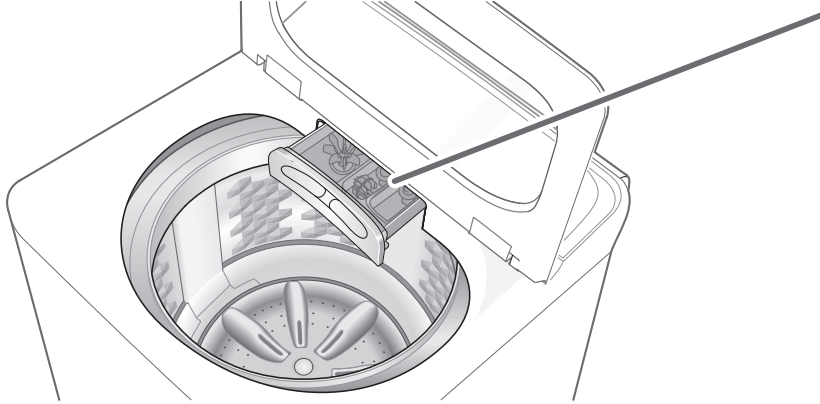
	Program	Purpose	Max. capacity * (kg)
Wash	 Soak (P. 9)	<ul style="list-style-type: none"> ● For heavy soil Presoaking to wash 	13.5 12.5 11.5
	StainMaster (P. 16) <ul style="list-style-type: none"> ● For the following stains 		5.0
	Light  Sweat		
	  Mud		
  Soya/Sauce Heavy			
Dry	 Air Dry (90 min) (P. 17)	<ul style="list-style-type: none"> ● Drying synthetic fibre clothes 	2.0
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

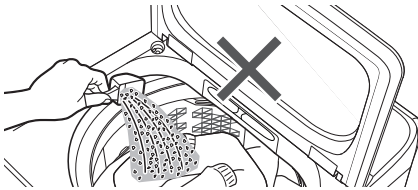
- “Normal” program and “Water Save” program are recommended for a normally soiled load at the rated capacity of this washing machine.
- “Water Save” program is recommended for Singapore.

Detergent / Softener / Bleach

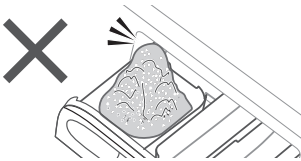
- Follow the instructions on each package.
- For cleaning (P. 21)
- Close detergent and softener drawer completely before use.



Detergent



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

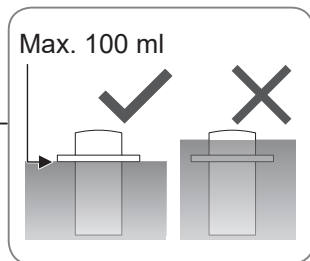
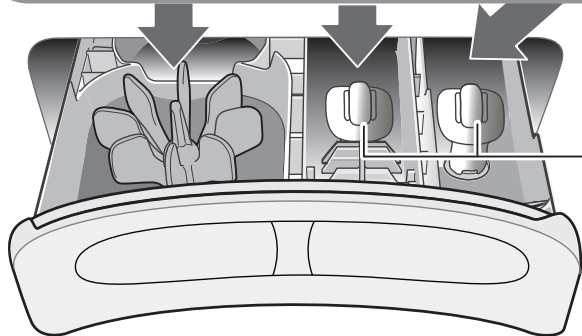
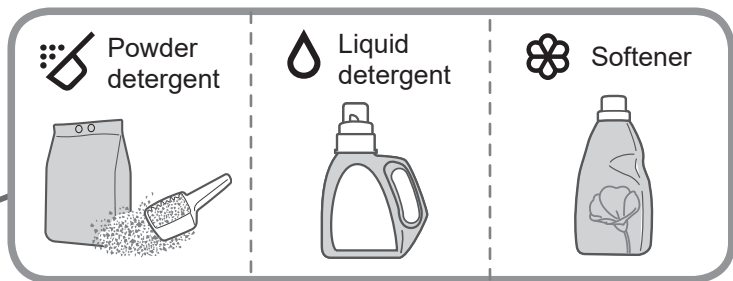


Bleach

Whiten bleach
(chlorine bleach)

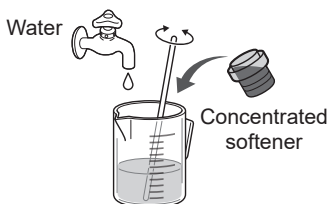
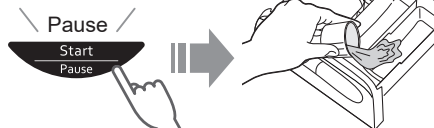


- To use bleach, put bleach in the powder detergent case (if bleach is in powder form) or liquid detergent case (if it is liquid bleach).



Softener

- To put softener while the machine is operating:

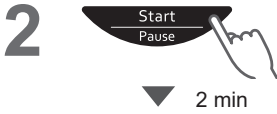


- Softener cannot be used with the "Water Save" program.

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	-

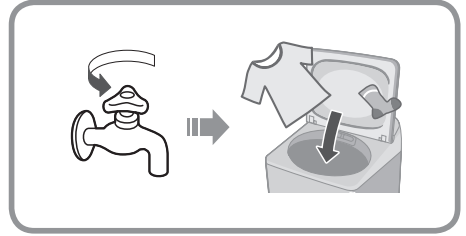
■ To confirm



■ To cancel or change



Wash / Rinse / Spin



NOTE

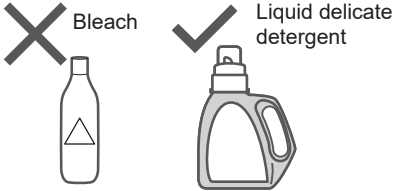
- Not available for "Tangle Care".



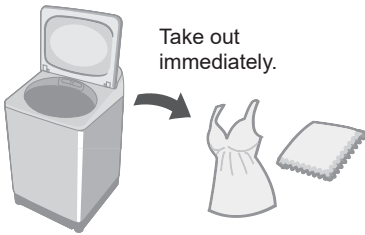
Delicate

65 L	4.2 kg
55 L	3.0 kg

NOTE



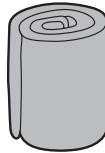
■ After operation ends



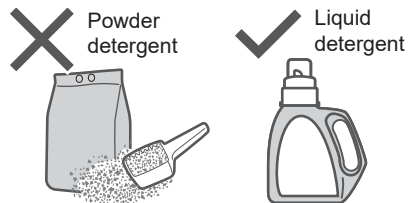
Blanket

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

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



NOTE



NOTE

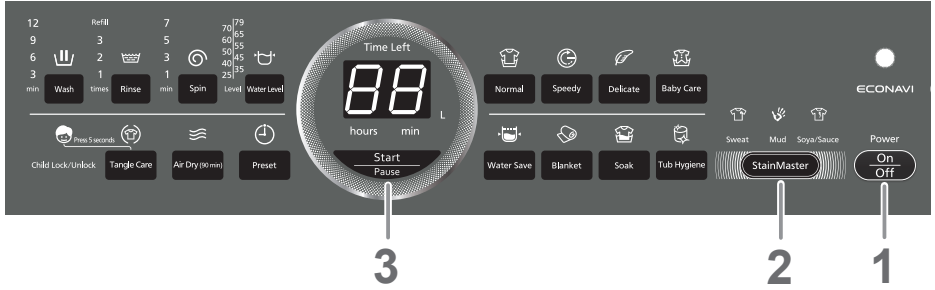
- The water amount indication shows the maximum and cannot be changed.

Washing Options (continued)

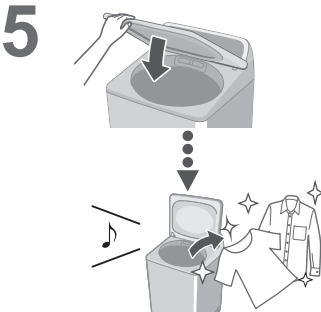
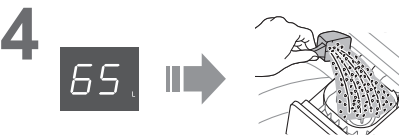
Stain Master

Preparation: (P. 7)

For NA-FD13XR1

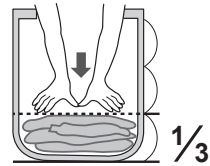


■ Timer preset (hours) (P. 14)



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)



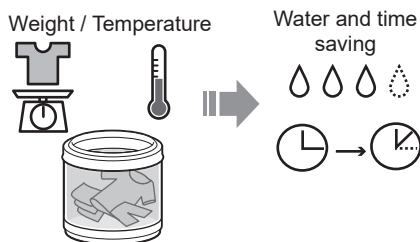
NOTE

- 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

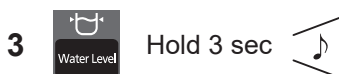
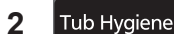
- “Normal” program only



■ 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  ↔ 

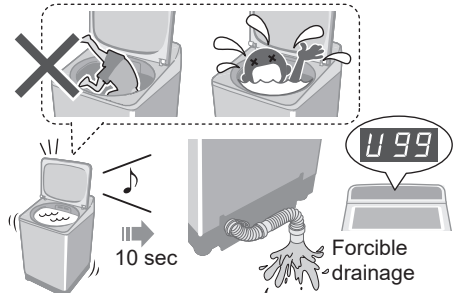
- 5  →  

Cancelling end buzzer


- 1  & 
 Hold 3 sec  






■ To reset:
same procedure 

Setting Child Lock

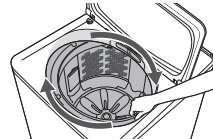


* This function does not lock the lid and button operations.









- 1 

 - 2 
 Hold 5 sec
  Press 5 seconds
   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
Stain Master	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.  → 

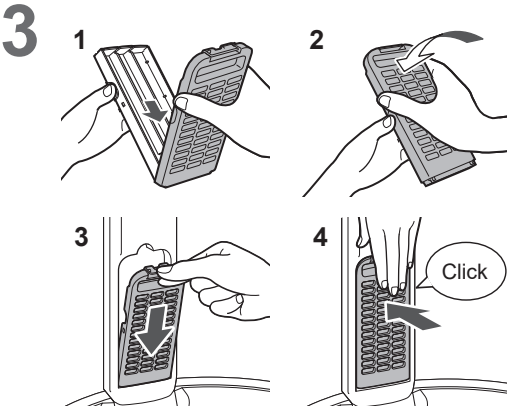
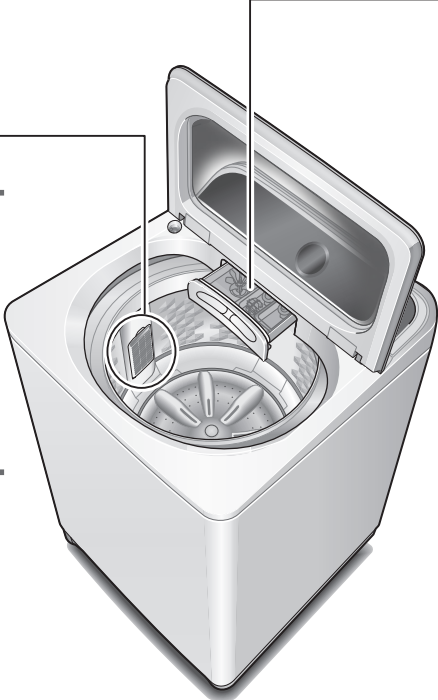
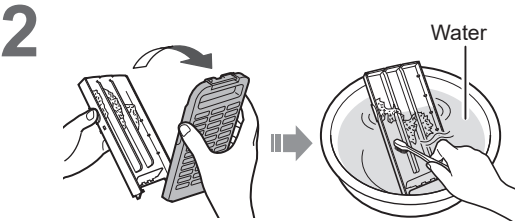
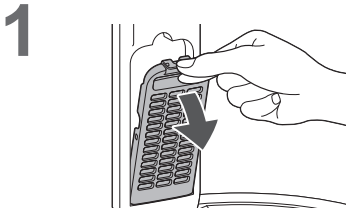
- “Refill”: to fill the tub with water and rinse while supplying water.



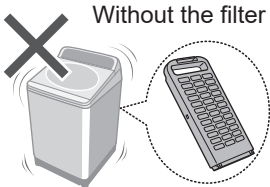
Maintenance

Lint filter

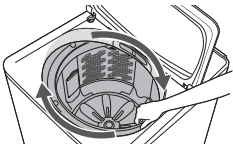
After each operation



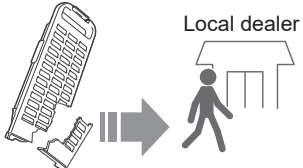
NOTE



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



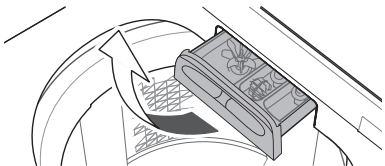
If the filter is broken



Detergent and softener drawer

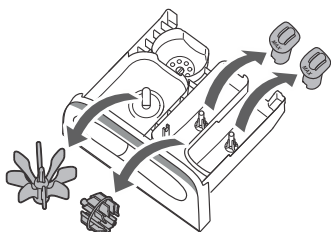
If stained with detergent or softener

1

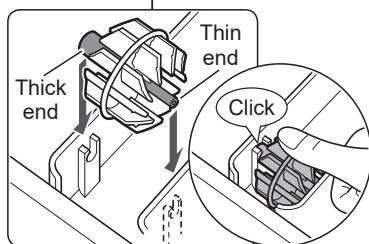
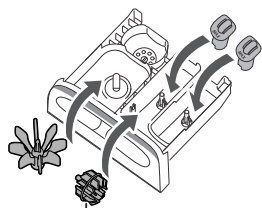


Remove

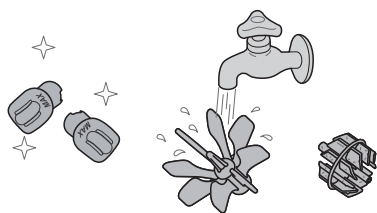
2



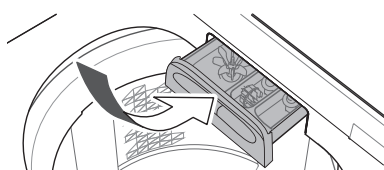
4



3



5



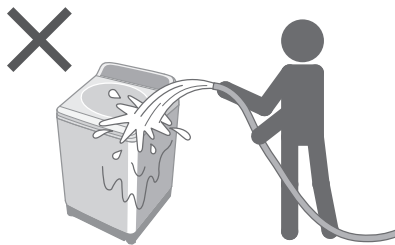
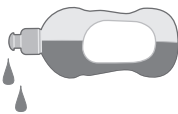
Attach

Main unit, lid



For heavy soil

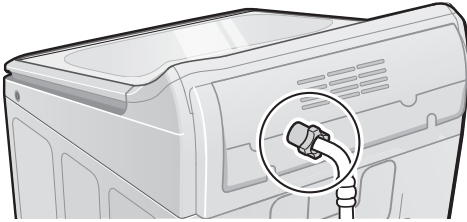
Neutral kitchen detergent



Maintenance (continued)

Water supply filter

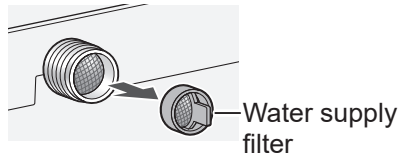
If water does not flow smoothly



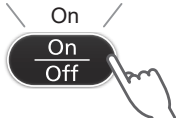
1



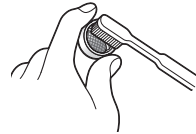
5



2



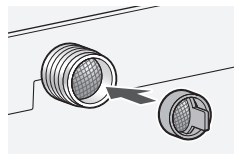
6



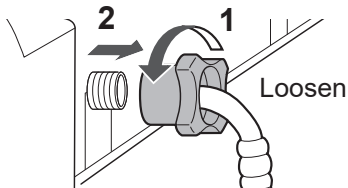
3



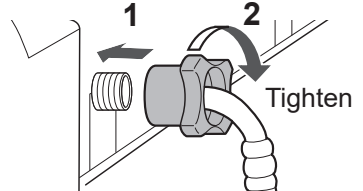
7



4

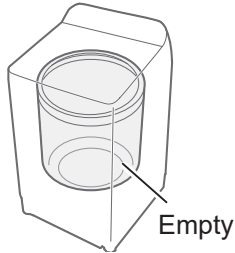


8



Tub

Once a week <Air Dry>

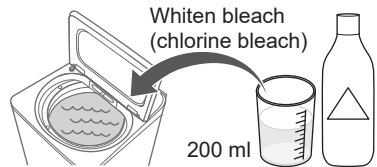


Once a month <Tub Hygiene>

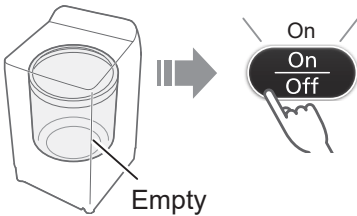
1



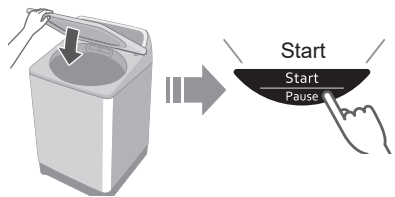
5



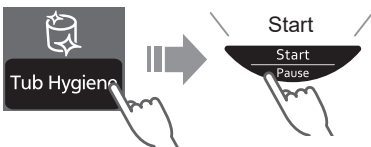
2



6

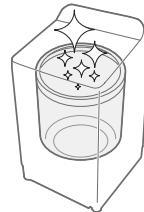
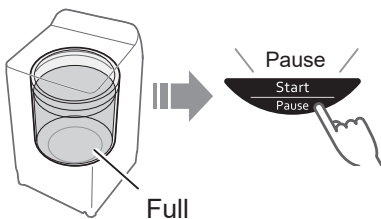


3



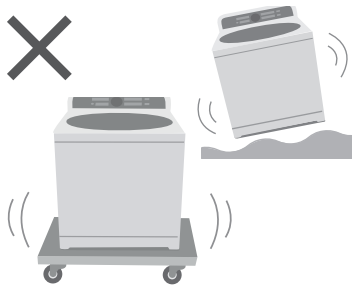
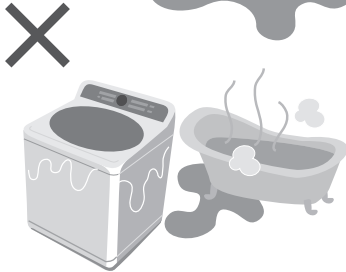
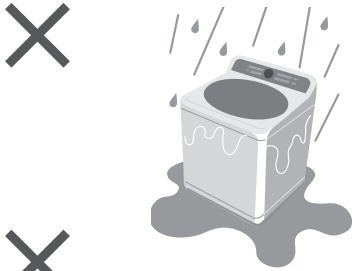
Approx. 2.5 hours

4



Installation

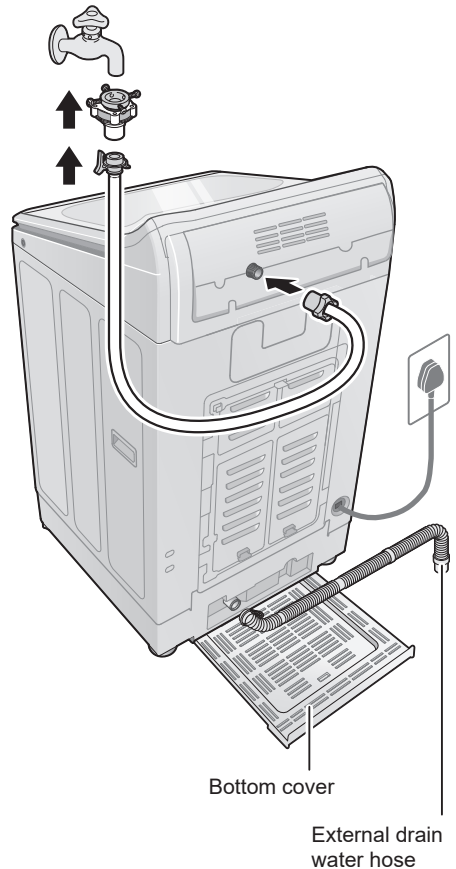
Check the location.



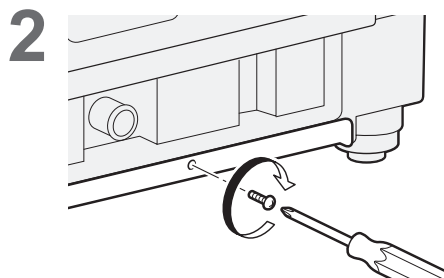
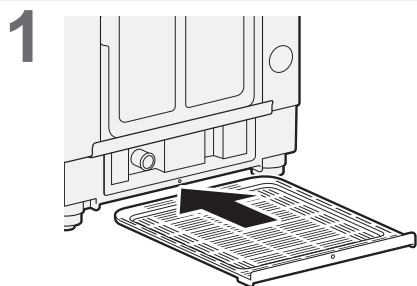
Make sure to ask a service person for installation.



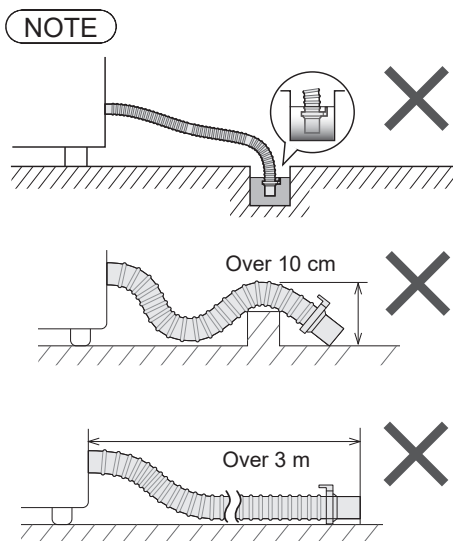
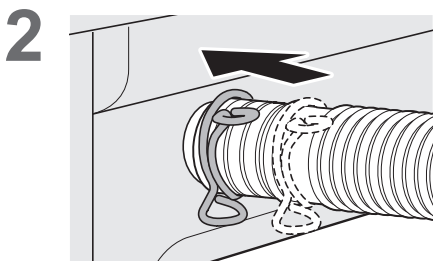
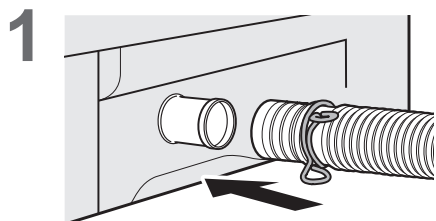
- Do not install by yourself.
- Follow this installation method.
If you do not, Panasonic will not be liable for any accident or damage.



Attach the bottom cover



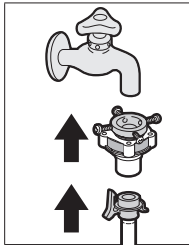
Attach the external drain water hose



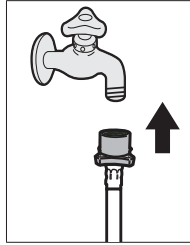
Installation (continued)

Connect the water supply hose

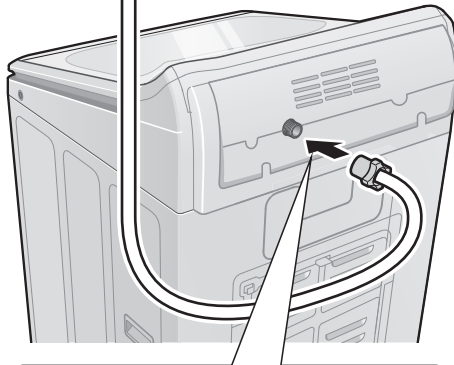
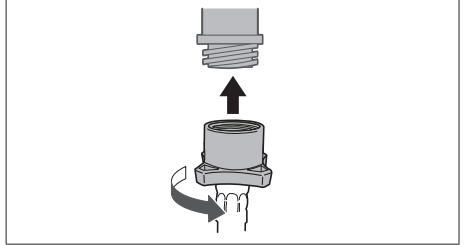
Joint type



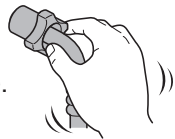
Screw type



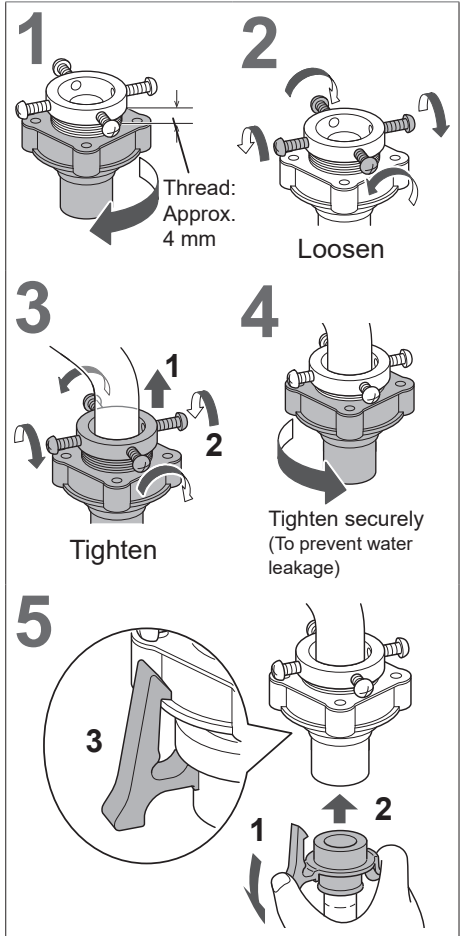
■ Screw type



Check that the elbow is not loose.



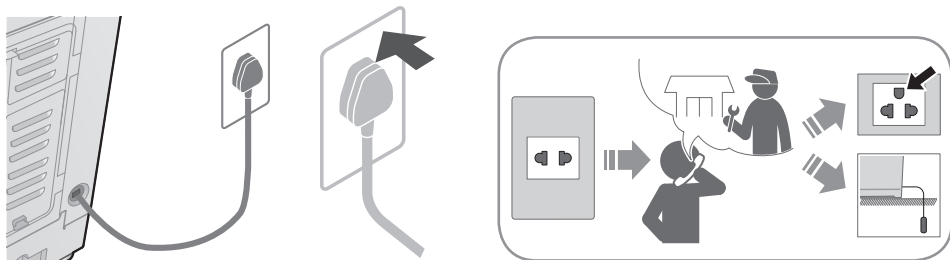
■ Joint type



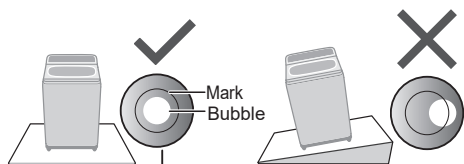
CAUTION

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

Connect the power plug and grounding

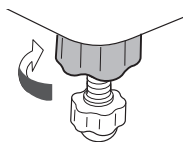


Check that the washing machine is level

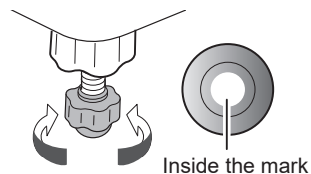


■ If the bubble is out of the mark

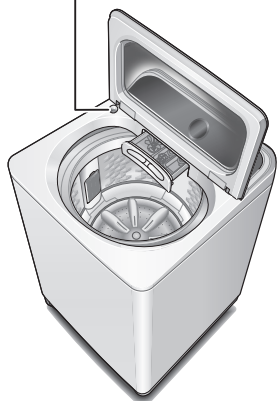
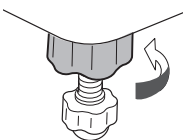
Loosen



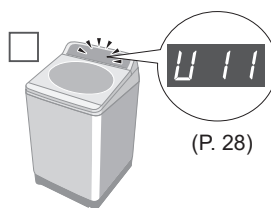
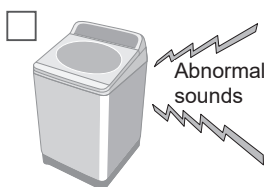
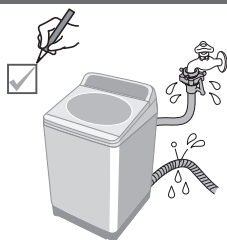
Adjust



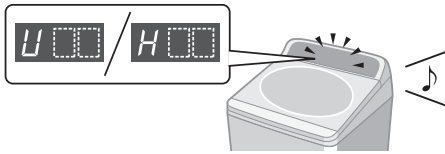
Tighten



Trial operation

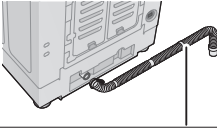
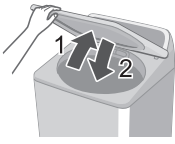
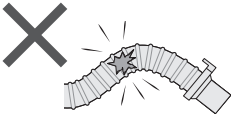
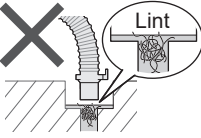
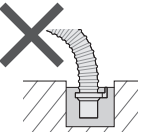
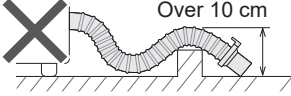
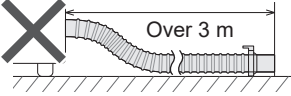
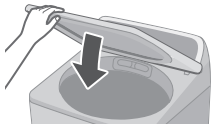



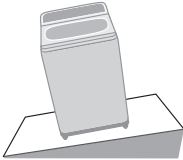
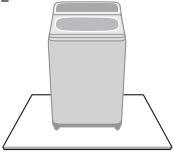



Error Display



■ Preparation



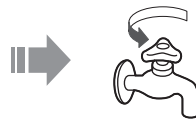

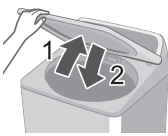
Cancel Child Lock (P. 18)
if it is set.

Error Display	Points to be checked
<p>U 11</p> <p>Water cannot drain.</p>	<p>1 Check</p>  <p>2</p>  <div style="display: flex; justify-content: space-around;"> <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; 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
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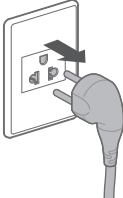


U 14

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> 	



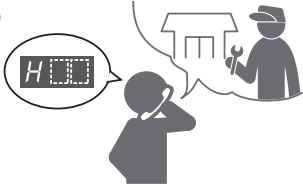

U 99

Water has been forcibly drained.








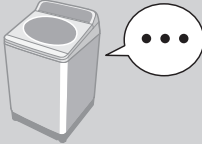


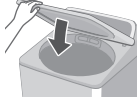





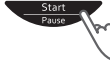




<p>With Child Lock set</p> 		<p>Forcible drainage</p> 
<p>1</p> 	<p>5 sec</p> 	
		<p>10 sec</p> 












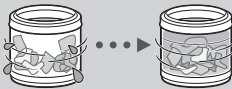



H 00

Inspection is required.


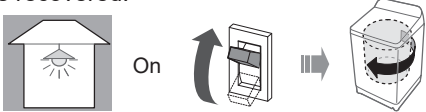




<p>1</p> 	<p>2</p> 	<p>3</p> 	
--	--	--	--

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  2  3  ● After wash process <ol style="list-style-type: none"> 1  2 

	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 <input type="checkbox"/> Try <ul style="list-style-type: none"> ● 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		

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