

Panasonic®

Operating & Installation Instructions

Fully Automatic Washing Machine
(Household Use)

Model No. **NA-FD180V3**
NA-FD165V3
NA-FD145V3



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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.

AWW9901CFMC0-0C0

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07-2024



Safety Precautions

WARNING

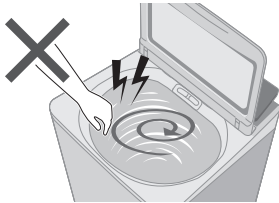
May cause serious injury or death.

Children must not use it alone.

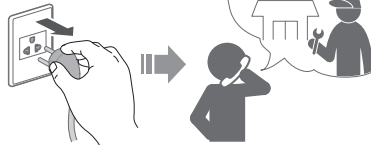


- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children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

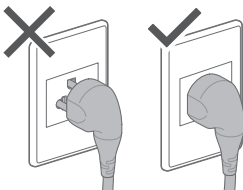


May cause fire or electric shock.

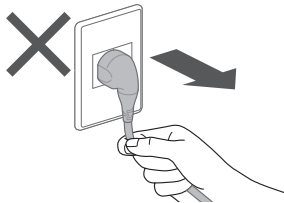
Do not touch it with wet hands.



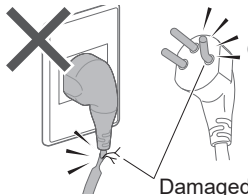
Fully insert it.



Do not hold or pull on the cord.

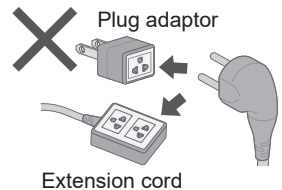


Do not use.

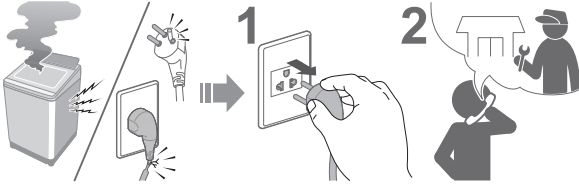


- If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

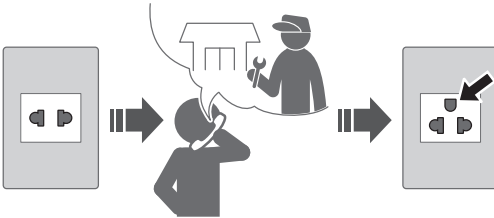
Do not use.



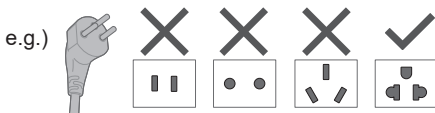
In case of failure or damaged power cord, stop use and ask the service centre.



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

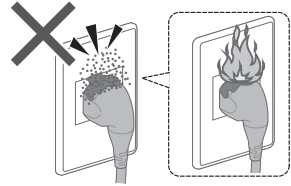


Use a socket appropriate for this appliance.



- 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.

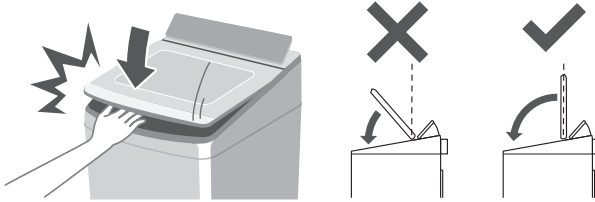


Safety Precautions (continued)

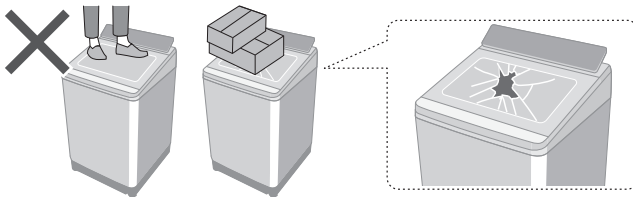
CAUTION

May cause injury.

Be careful not to get your fingers caught.



Do not climb or put objects on the appliance.

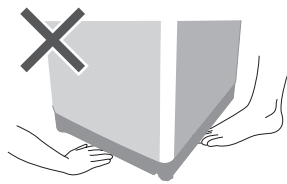


- If the lid is broken, immediately stop using.

Do not touch when it is hot.

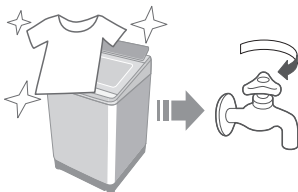


Be careful of your hands and feet.

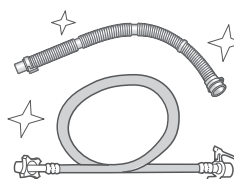


May cause water leakage.

Turn off the water faucet.



Use new hose-sets.

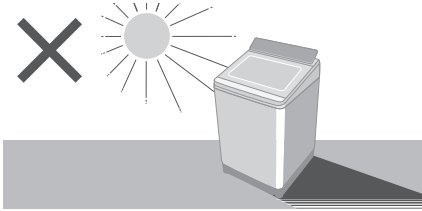


- New hose-sets supplied with the appliance are to be used and old hose-sets should not be reused.

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

May cause failure.

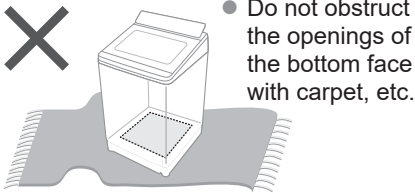
Keep away from heat and direct sunlight.



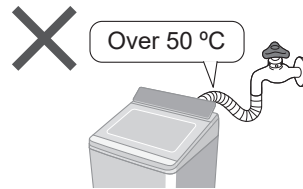
Do not wash waterproof items.



Do not obstruct.



Do not use hot water.



For Machine-washable items only.

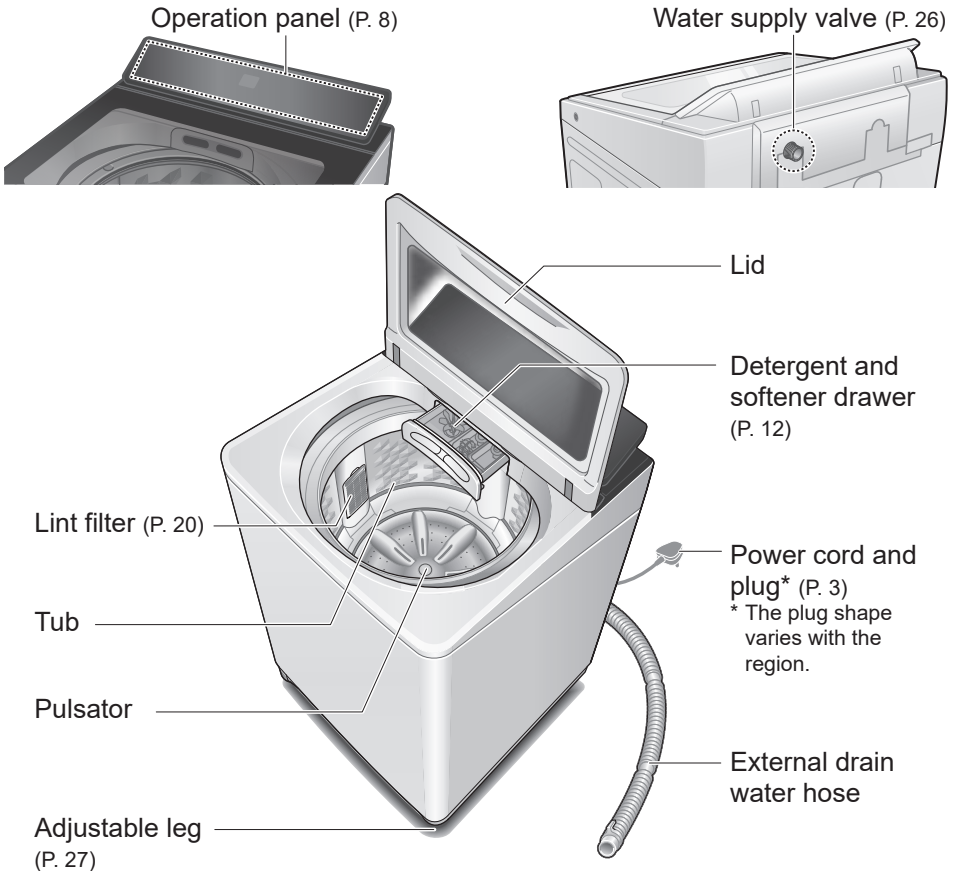


- This appliance is intended to be used in household. This appliance is not intended to be used in applications such as:

- 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.

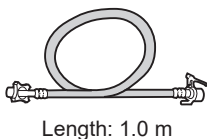
Part Names / Accessories

Part names

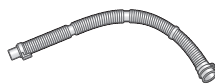


Accessories

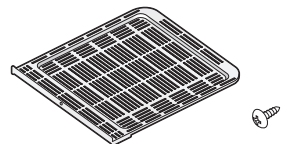
- Water supply hose (1)
(P. 26)



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



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



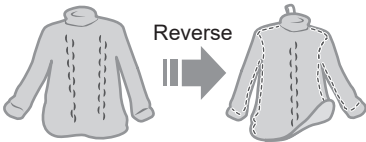
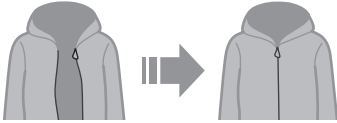
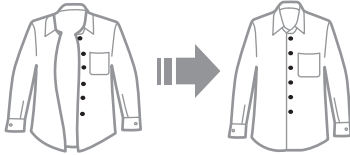
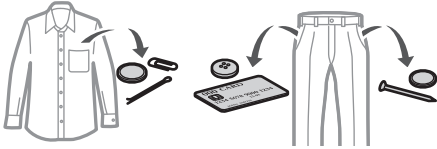
- Water tap adaptor (1) (P. 26)



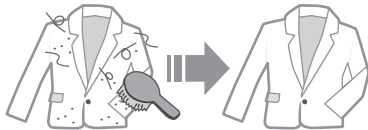
Before Washing

Laundry preparation and check

Pre-laundry check

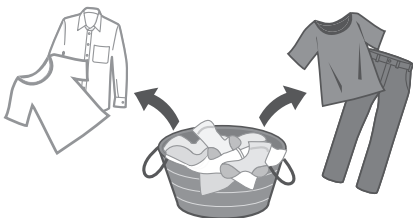


Clothes likely to pill

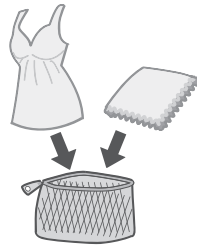


Paper diapers

To prevent colour staining

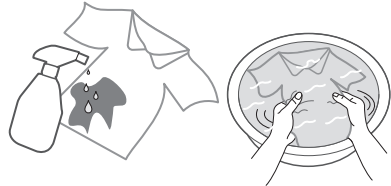


Use laundry nets for delicates

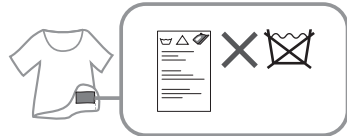


For "Stain Master +" (P. 16)

- Pretreatments for heavily stains



- Observe the clothes' care labels



- For  60°C Steam Bacteria/Allergy

- Coloured clothes
- Shirts with stiff fabric



- Rubber clothes
- Graphic shirts



Operation Panel

Change process settings (P. 14)



Flashing
(in progress)

Water amount



88 L

▼ Approx.
5 sec

Remaining time



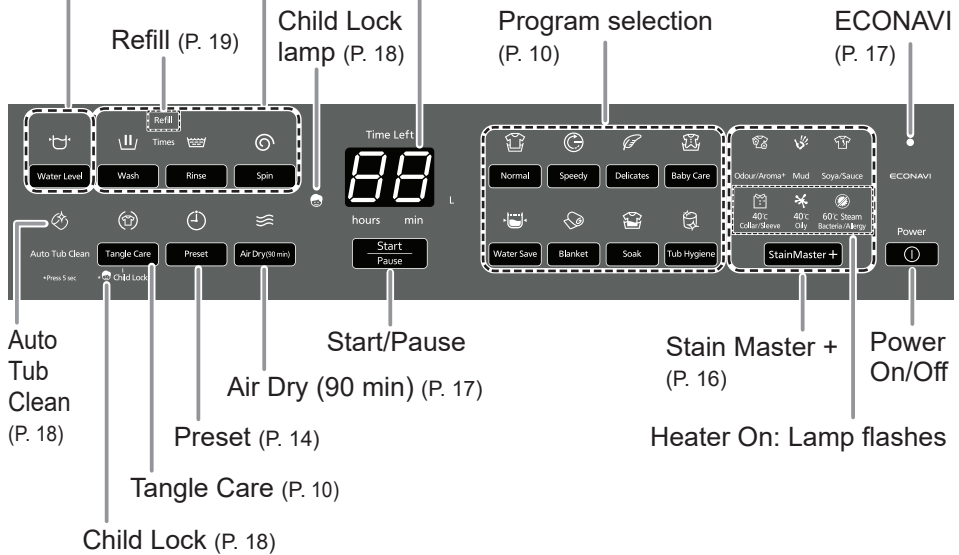
Time Left
60 min

Detergent volume

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

*1 NA-FD180V3: 105 L
NA-FD165V3: 99 L
NA-FD145V3: 93 L
For water amount: 105L
display will show **RS**

*2 : 1 scoop of detergent



NOTE

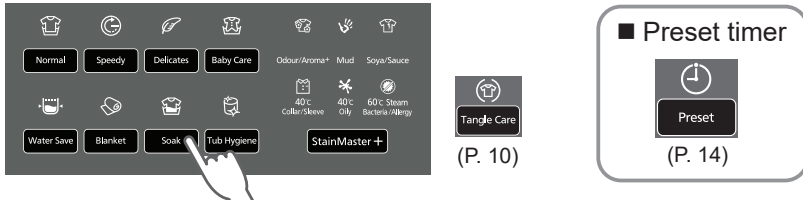
- In case of a power failure.
 - ⇒ Operation will resume from where it stopped when the power recovers.
- If you do not press **Start/Pause** within 10 minutes after power-on.
 - ⇒ Auto power off.
- The wash process setting of the “Stain Master +” and “Soak” programs cannot be changed.

Washing

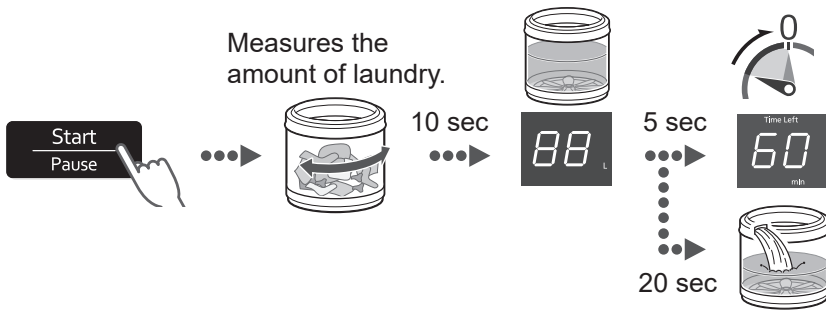
1



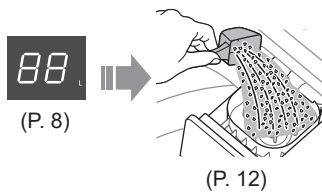
2



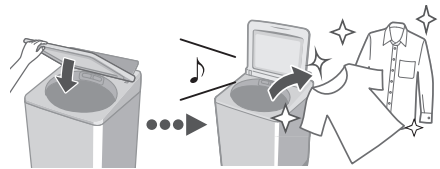
3



4



5















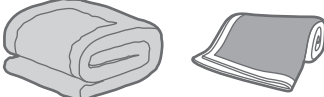
■ After pressing “Start”

- To change each operation (while washing).


















- To check or change the water level (while washing). → Water Level button
- 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 16.5 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 16.5 14.5
	 Speedy (P. 9)	<ul style="list-style-type: none"> ● For light soil 	18.0 16.5 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 16.5 14.5
	 Water Save (P. 9)	<ul style="list-style-type: none"> ● Saving water 	18.0 16.5 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-FD180V3 / Middle: NA-FD165V3 / Bottom: NA-FD145V3

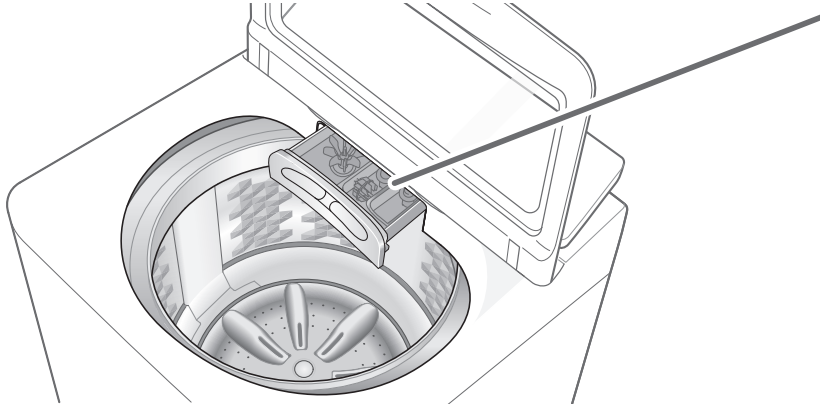
	Program	Purpose	Max. capacity * (kg)
Wash	 Soak (P. 9)	<ul style="list-style-type: none"> ● For heavy soil Presoaking to wash 	18.0 16.5 14.5
	StainMaster + (P. 16)	<ul style="list-style-type: none"> ● For the following stains 	6.0
	Light Odour/ Aroma+	<ul style="list-style-type: none"> ● Use more softener to keep the scent longer 	
	 Mud		
	 Soya/Sauce		
	 Collar/Sleeve (40 °C)		
Heavy Oily (40 °C)		5.0	
	Bacteria/Allergy (60 °C Steam)		
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

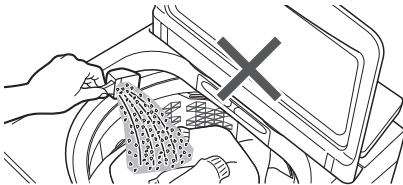
- “Normal” program and “Water Save” program are recommended for a normally soiled load at the rated capacity of this washing machine.

Detergent / Softener / Bleach

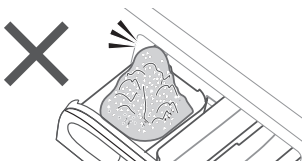
- Follow the instructions on each package.
- For cleaning (P. 21)
- Close auto dosing drawer completely before use.



Detergent



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

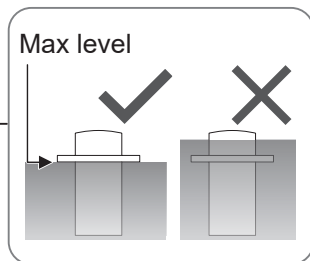
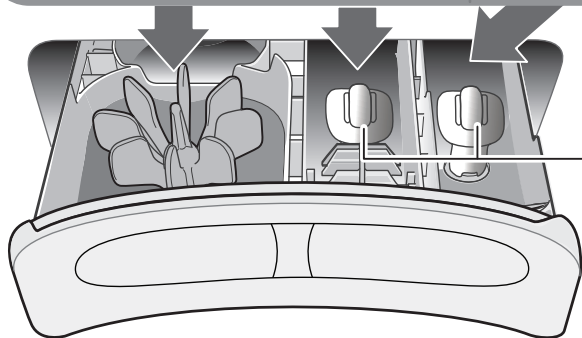
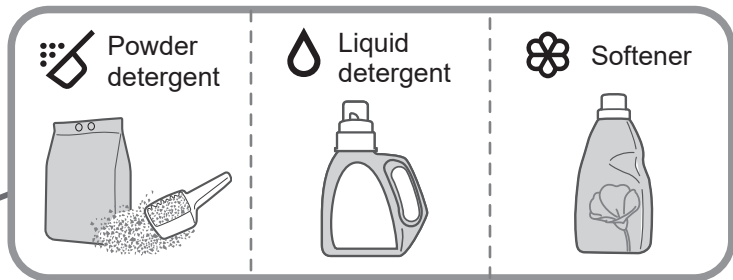


Bleach

Whiten bleach
(chlorine bleach)

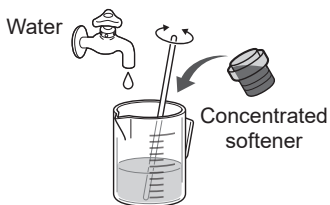


- To use bleach, put bleach in the powder detergent case (if bleach is in powder form) or liquid detergent case (if it is liquid bleach).



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 +	(P. 16)
Air Dry(90 min)	-
Tub Hygiene	-

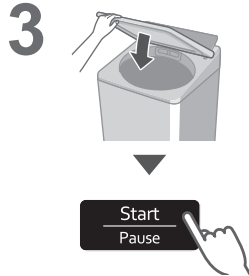
■ To confirm



■ To cancel or change



Wash / Rinse / Spin



NOTE

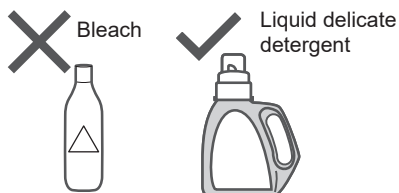
- Not available for "Tangle Care".



Delicates

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

NOTE



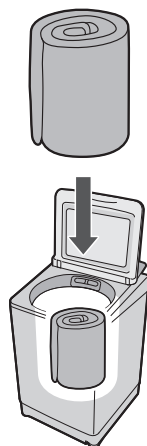
■ After operation ends



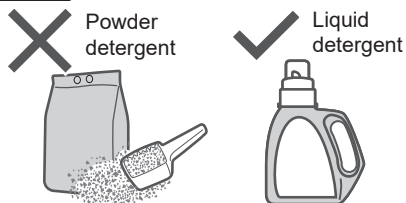
Blanket

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

* NA-FD180V3: 105 L / NA-FD165V3: 99 L / NA-FD145V3: 93 L



NOTE



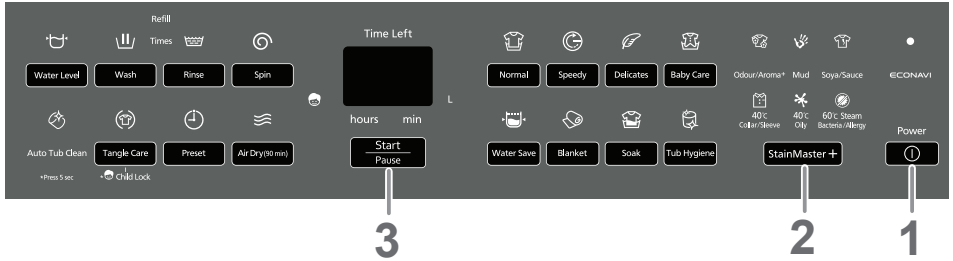
NOTE

- 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)
- Collar/Sleeve: 3 - 24
- Oily: 3 - 24
- Bacteria/Allergy: 4 - 24
- Others: 2 - 24

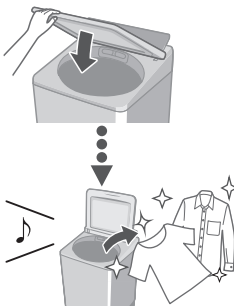
3



4

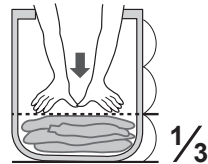


5

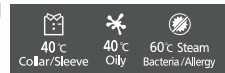


NOTE

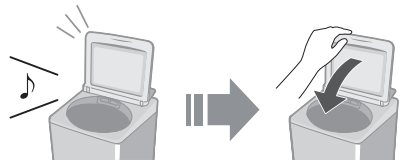
- Max. capacity (P. 11)



- Max. water amount
 - Bacteria/Allergy: 66L
 - Others: 81L
- You cannot change the wash process setting of this program.
- When using

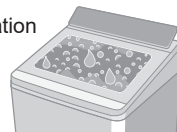


- Make sure to close the lid.



- Dew condensation may occur on the lid, etc.

Condensation



Air Dry (90 min)

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

- Dryable clothes: Synthetic fibre (Max. 3.0 kg)



NOTE

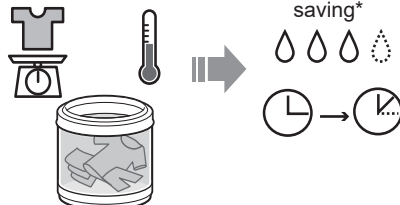
- Clothes may not be sufficiently dried (depends on amount and type of clothes, and the temperature).
- This function does not use a heater. Clothes may be cold and half dry.

ECONAVI

- “Normal” program only

Weight / Temperature

Water and time saving*



Lamp indications



Detecting

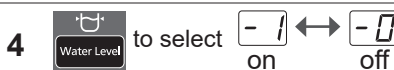


ECONAVI enabled



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: 18.0 / 16.5 / 14.5 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 (90 min)".

■ Lamp indications



Operating



Function enabled

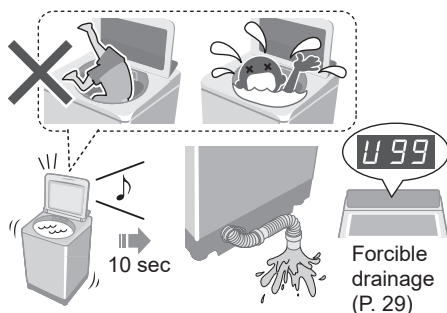


Function disabled

■ To turn on/off

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

Setting Child Lock



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










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

Cancelling end buzzer



- 1 & Hold 3 sec

■ To reset:
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
	Collar/Sleeve	165 * ²	33 * ³	2	7
	Oily	170 * ²	38 * ³	2	7
	Bacteria/Allergy	190 * ²	30 * ³	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.  → 

*3 Excluding water heating time. Symbol  will be displayed during the water heating process.

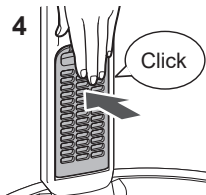
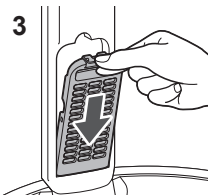
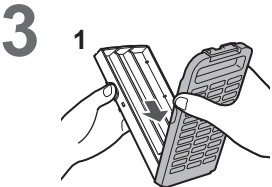
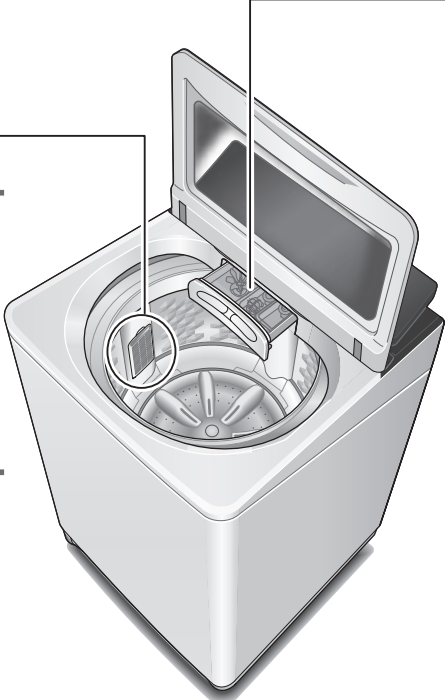
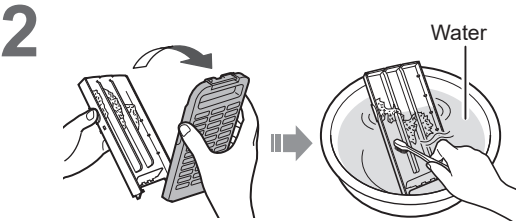
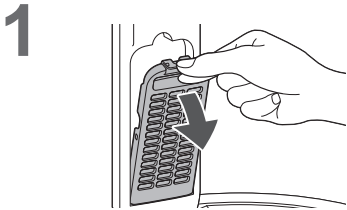
● “Refill”: to fill the tub with water and rinse while supplying water.



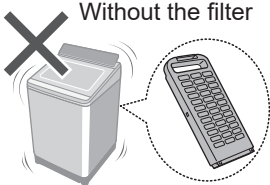
Maintenance

Lint filter

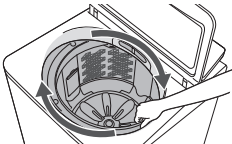
After each operation



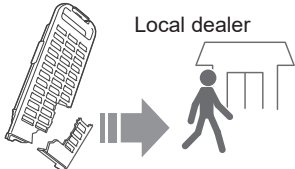
NOTE



If it is difficult to remove the filter



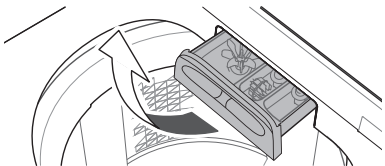
If the filter is broken
Local dealer



Detergent and softener drawer

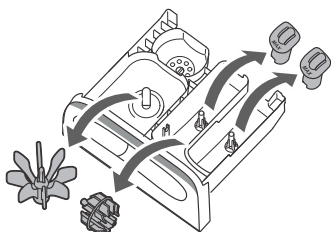
If stained with detergent or softener

1

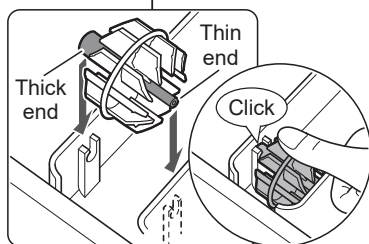
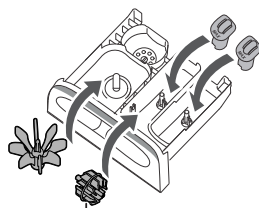


Remove

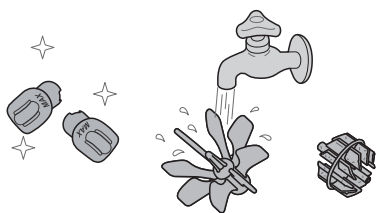
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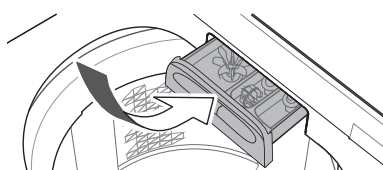
4



3



5



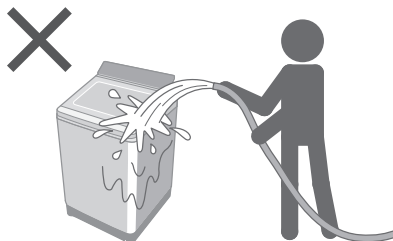
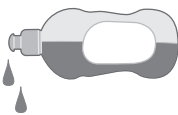
Attach

Main unit, lid



For heavy soil

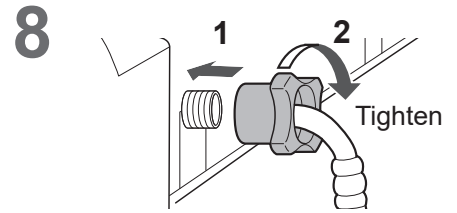
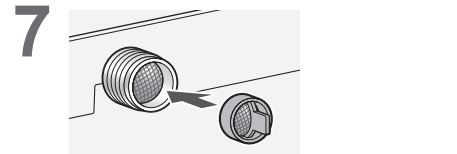
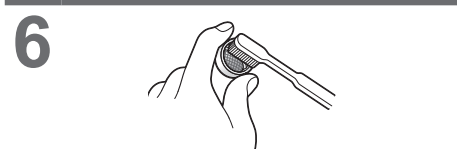
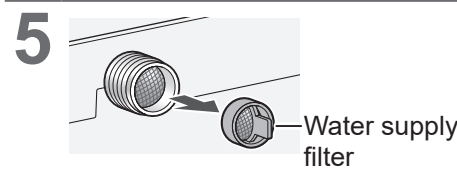
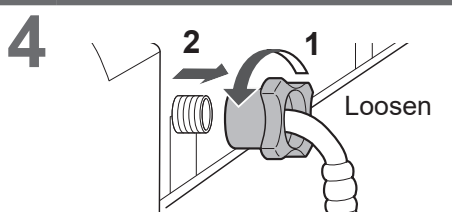
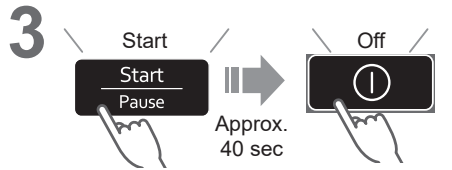
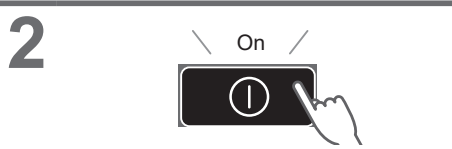
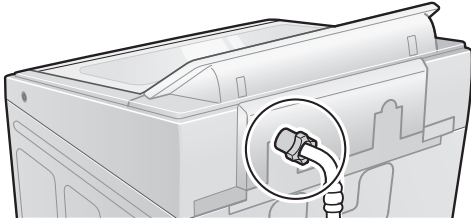
Neutral kitchen detergent



Maintenance (continued)

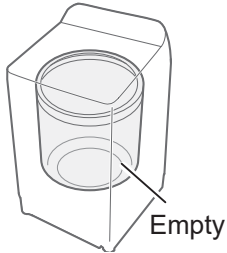
Water supply filter

If water does not flow smoothly



Tub

Once a week <Air Dry>

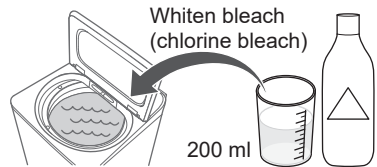


Once a month <Tub Hygiene>

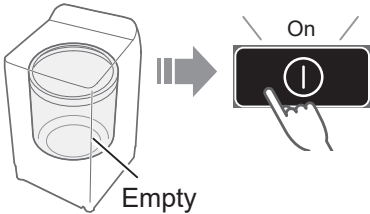
1



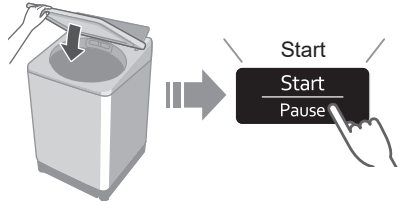
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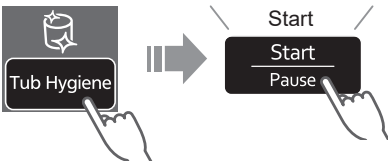
2



6

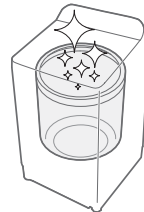
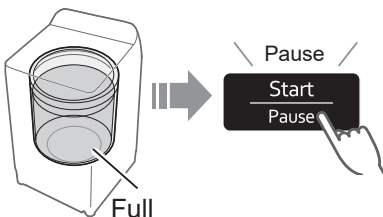


3



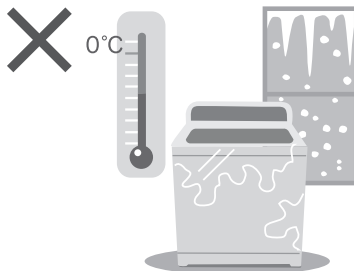
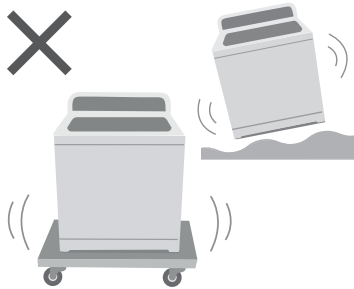
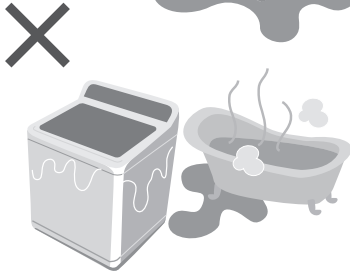
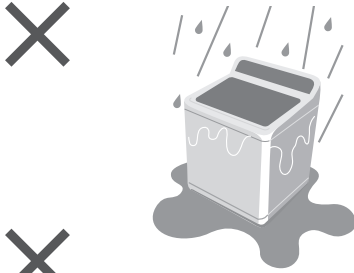
Approx. 2.5 hours

4



Installation

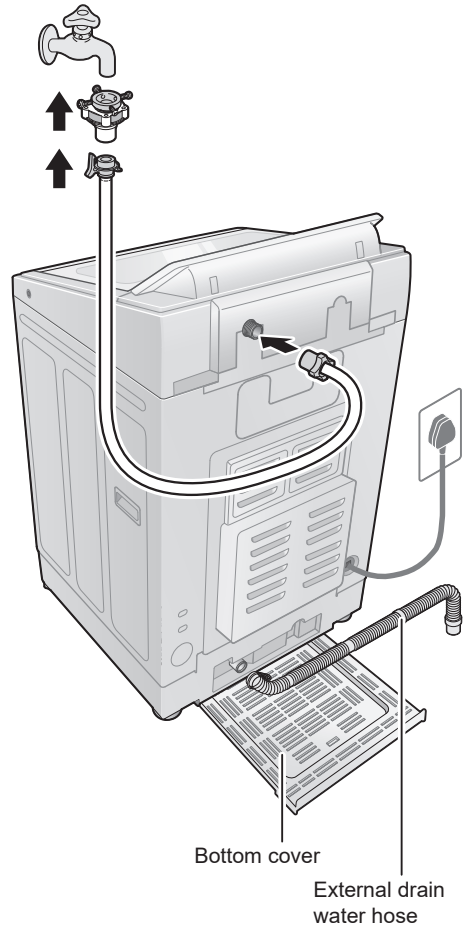
Check the location.



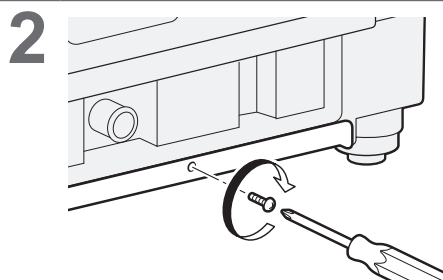
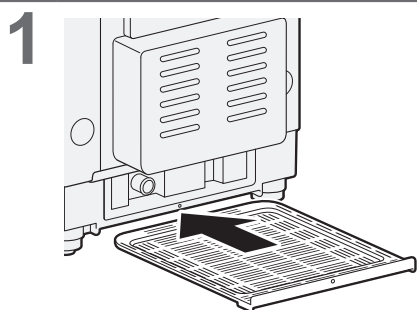
Make sure to ask a service person for installation.



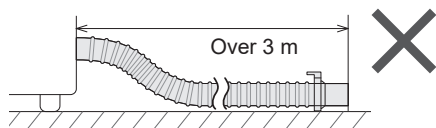
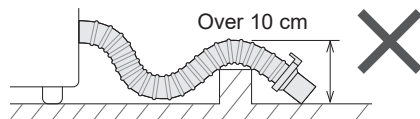
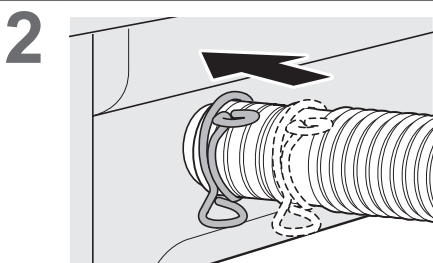
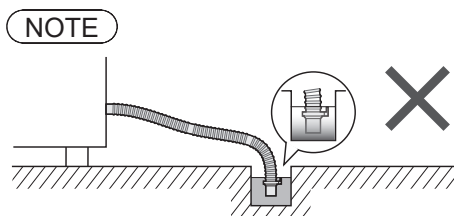
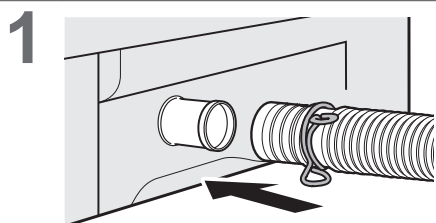
- Do not install by yourself.
- Follow this installation method.
If you do not, Panasonic will not be liable for any accident or damage.



Attach the bottom cover

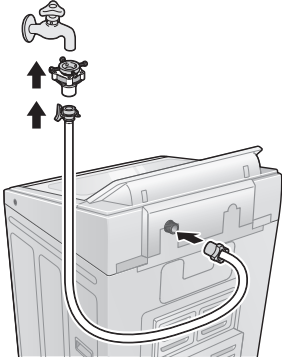


Attach the external drain water hose

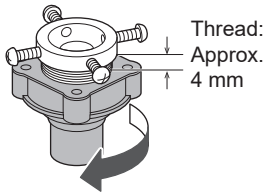


Installation (continued)

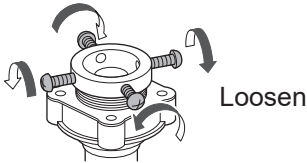
Connect the water supply hose



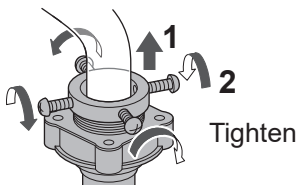
1



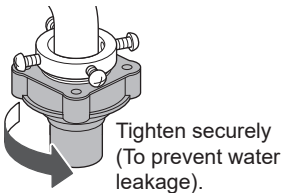
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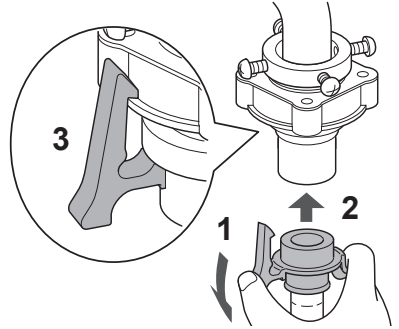
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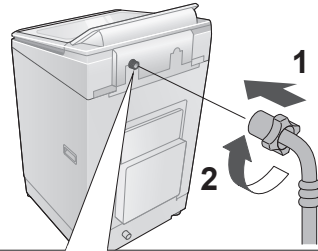
4



5

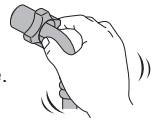


6



3

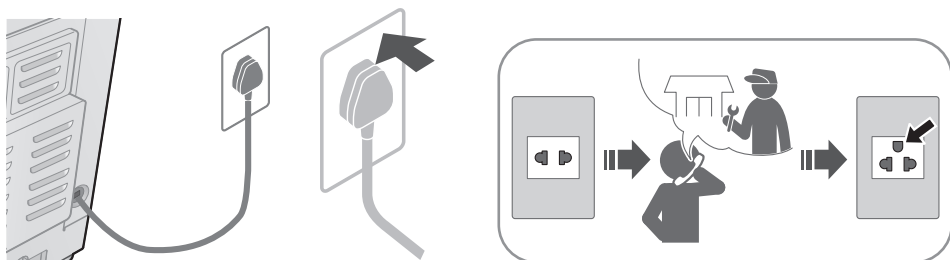
Check that the
elbow is not loose.



CAUTION

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

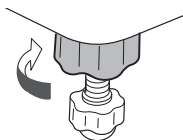
Connect the power plug and grounding



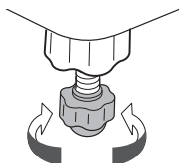
Check that the washing machine is level

■ If the washing machine wobbles

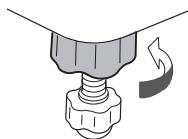
Loosen



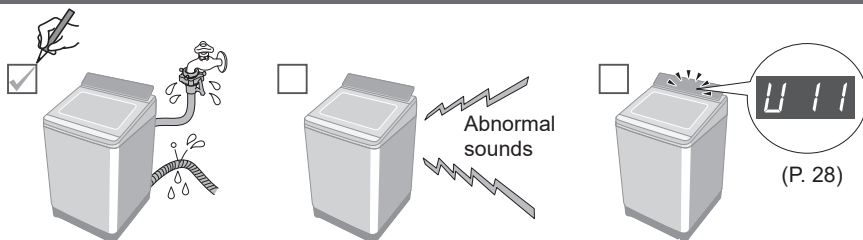
Adjust



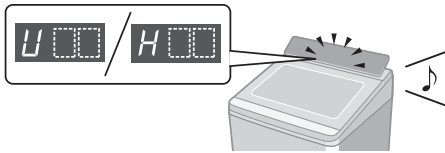
Tighten



Trial operation



Error Display



■ Preparation

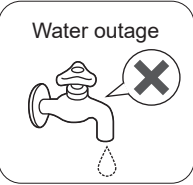
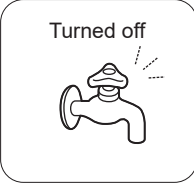
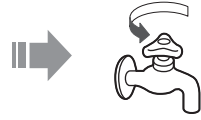


Cancel Child Lock (P. 18)
if it is set.

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

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




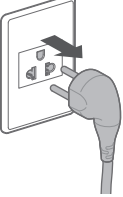

U 14

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> 


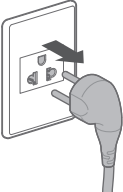
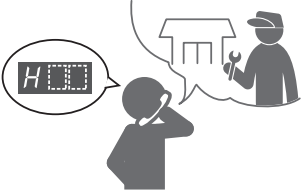
U 99

Water has been forcibly drained.








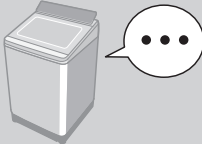













<p>With Child Lock set</p> 	 <p>10 sec</p>	<p>Forcible drainage</p> 
<p>1</p>  <p>5 sec</p> 		












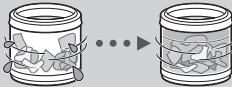

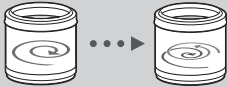

H

Inspection is required.





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

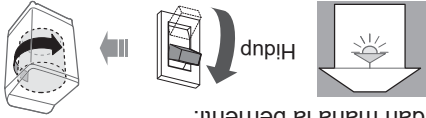
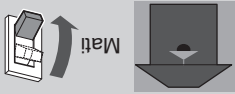




Model No.	NA-FD180V3	NA-FD165V3	NA-FD145V3
Rated voltage	220 - 240 V		
Rated frequency	50 Hz		
Rated power consumption	1475 - 1750 W		
Standard water amount	105 L	99 L	93 L
Maximum mass of dry cloth	18.0 kg	16.5 kg	14.5 kg
Product dimensions	681 mm (W) x 747 mm (D) x 1112 mm (H)		
Product weight	49 kg		
Pressure of tap water	0.01 - 1 MPa		

Panasonic Corporation

<https://www.panasonic.com>

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Penyelesaian Masalah (sambungan)

Perkara perlu diperiksa	Gejala	Lain-lain
<p>Apabila kuasa pulih semula, operasi akan bersambung semula dari mana ia berhenti.</p>  <p>Hidup</p>	<p>Kegagalan kuasa / Pemutus litar mati.</p>  <p>Mati</p>	<p>StainMaster+ tidak memberi kesan.</p>  <ul style="list-style-type: none"> <input type="checkbox"/> Semak <ul style="list-style-type: none"> • Maks. kapasiti (H. 11) • Parawatan (H. 7) • Memcuba • Dipilih mengikut jenis kotoran. (H. 11)   


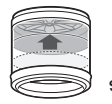


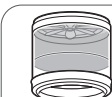

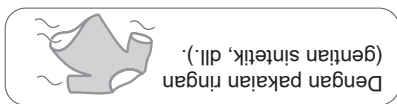


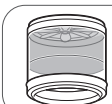
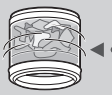





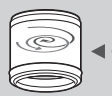

Spesifikasi

No. Model	NA-FD180V3	NA-FD165V3	NA-FD145V3	
				Voltan terkadar
				Frekuensi terkadar
				Penggunaan kuasa terkadar
				Jumlah air standard
				Bert maksimum kain kering
				Ukuran produk
				Berat produk
				Tekanan air paip






Panasonic Corporation

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Perkara perlu diperiksa	Gejala	
<p>Apabila paras air menurun.</p> <p>Apabila jumlah dobi besar.</p>  	<p>Air dibekalkan semasa mencuci.</p> 	
<p>Paras air</p> <p>Tertalu tinggi!</p> <p>Apabila pakaian basah.</p>   <p>Apabila terdapat air di dalam tab sebelum operasi.</p>	<p>Tertalu rendah</p> 	Basuh
<p>Dengan pakaian ringan (gentian sintetik, dll.).</p>  <p>Paras air mungkin lebih rendah.</p>	<p>Operasi bermula dengan proses bilas, namun, air tidak dibekalkan.</p> 	Bilas
<p>Apabila tiada air dalam tab.</p> <p>Apabila terdapat air di dalam tab.</p> <p>Air dibekalkan selepas perah.</p> <p>Air dibekalkan selepas air sedia ada dibuang dan perah.</p>  	<p>Perubahan perah untuk bilas.</p> <p>Bilas bermula bukan perah.</p>  	Perah
<p>Jika pakaian tidak sekata, mesin basuh akan membetulkan ketaksamarataan itu secara automatik dengan proses bilas.</p>   <p>Kelajuan putaran tab dilaraskan bagi mengurangkan getaran.</p>  	<p>Putaran tidak tetap</p>  	

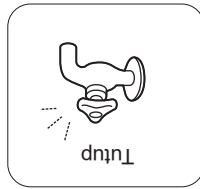
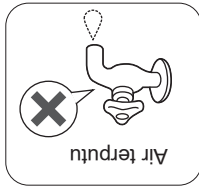
Penyelesaian Masalah

Gejala	Masa penunjuk masa daripada lebih lama atau tidak penunjuk masa. Penunjuk masa meningkat atau tidak menurun.	Masa penunjuk masa. Operasi ini melewati masa pratetapan.	Masa operasi menjadi lebih lama.	Unit utama	Unit utama	
<p>Perkara perlu diperiksa</p>	<p>Petunjuk masa adalah anggaran sahaja. Baki masa dipertukarkan semasa operasi.</p> 	<p>Lebih lama daripada penunjuk masa.</p> 	<p>➡ Masa operasi menjadi lebih lama.</p> <div data-bbox="72 999 666 1181" style="border: 1px solid black; padding: 5px;">  <p>Apabila bekalan air tidak baik.</p> <p>Apabila saliran air tidak baik.</p> <p>Apabila pakejan tidak sekata.</p> </div>	<p><input type="checkbox"/> Semak</p> <ul style="list-style-type: none"> ● Kegagalan kuasa ● Masa pratetapan <p><input type="checkbox"/> Mencuba</p> <ul style="list-style-type: none"> ● Tutup tudung. ● Hidupkan. ● Masukkan plag kuasa sepenuhnya. ● Hidupkan pemutus litar. 	<p>Tiada operasi!</p> 	<p>Tidak dapat menukar tetapan proses (selapas memulakan).</p> 
<p><input type="checkbox"/> Semak</p> <ul style="list-style-type: none"> ● Masa pratetapan <p><input type="checkbox"/> Mencuba</p> <ul style="list-style-type: none"> ● Kegagalan kuasa ● Masa pratetapan <p><input type="checkbox"/> Mencuba</p> <ul style="list-style-type: none"> ● Tutup tudung. ● Hidupkan. ● Masukkan plag kuasa sepenuhnya. ● Hidupkan pemutus litar. 	<p><input type="checkbox"/> Semak</p> <ul style="list-style-type: none"> ● Masa pratetapan <p><input type="checkbox"/> Mencuba</p> <ul style="list-style-type: none"> ● Kegagalan kuasa ● Masa pratetapan <p><input type="checkbox"/> Mencuba</p> <ul style="list-style-type: none"> ● Kegagalan kuasa ● Masa pratetapan <p><input type="checkbox"/> Mencuba</p> <ul style="list-style-type: none"> ● Kegagalan kuasa ● Masa pratetapan 	<p><input type="checkbox"/> Mencuba</p> <ul style="list-style-type: none"> ● Semasa proses membasuh ● Semasa proses membasuh <p><input type="checkbox"/> Mencuba</p> <ul style="list-style-type: none"> ● Semasa proses membasuh ● Semasa proses membasuh 	<p><input type="checkbox"/> Semak</p> <ul style="list-style-type: none"> ● Masa pratetapan <p><input type="checkbox"/> Mencuba</p> <ul style="list-style-type: none"> ● Kegagalan kuasa ● Masa pratetapan <p><input type="checkbox"/> Mencuba</p> <ul style="list-style-type: none"> ● Kegagalan kuasa ● Masa pratetapan 			

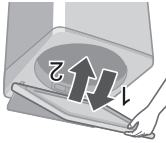
Paparan ralat



Air tidak boleh
dibekalkan.

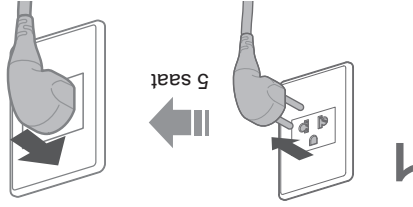


1



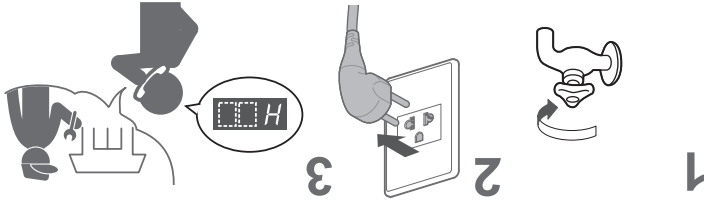
2

Air disalurkan
keluar secara
paksa.



1

Pemeriksaan
diperlukan.



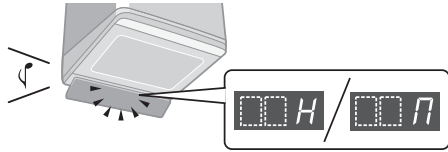
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Perkara perlu diperiksa

Paparan Ralat

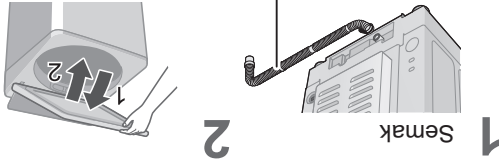
■ Persediaan

Batalkan Kunci Kanak-kanak (H. 18) jika ia telah ditetapkan.



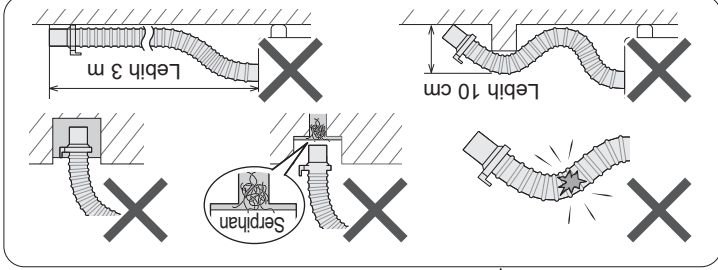
Paparan ralat

Paparan ralat

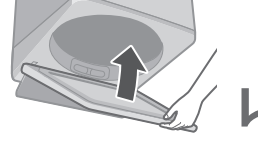


2

Semak

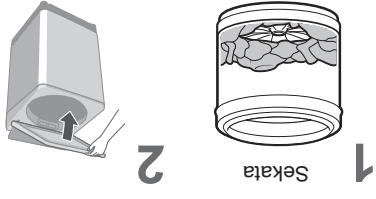


Air tidak boleh disalurkan keluar.



1

Penutup terbuka.



2

Sekata



2

Stabil



1

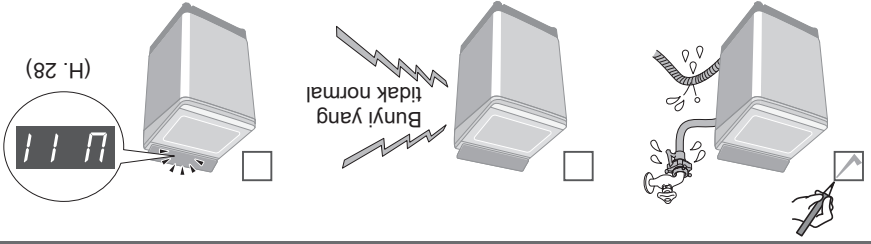
Tidak stabil atau condong



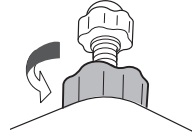
2

Perah atau "Air Dry (Kering Udara)" tidak boleh dipilih.

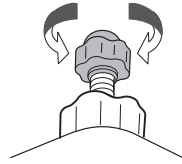




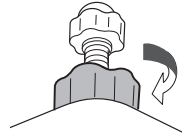
Operasi percobaan



Ketatkan



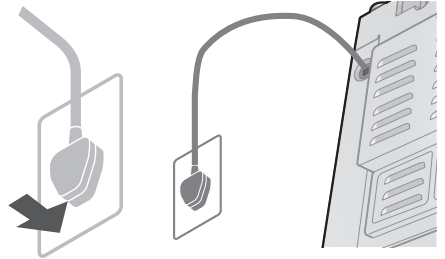
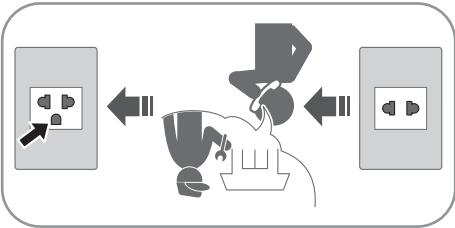
Melancarkan



Longgarkan

■ Jika mesin basuh bergoyang

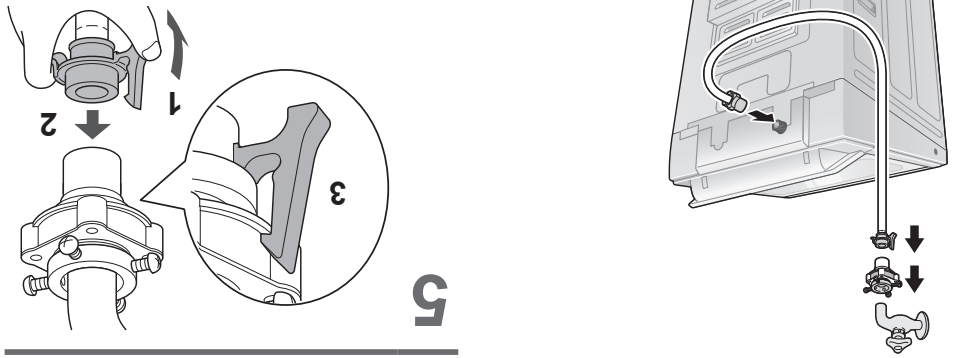
Pastikan mesin basuh adalah sekata



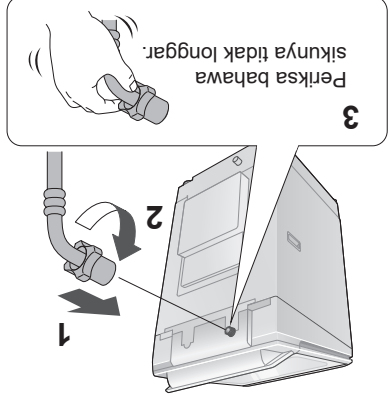
Sambungkan palam kuasa dan wayar pembumian

Pemasangan (sambungan)

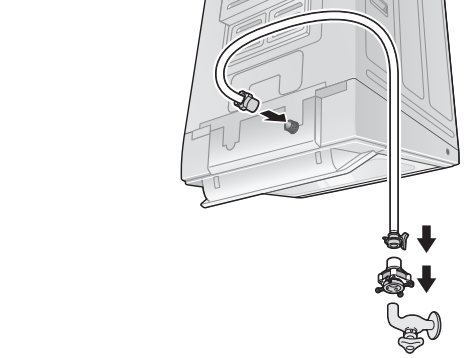
Sambungkan hos bekalan air



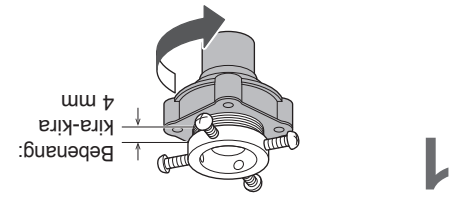
5



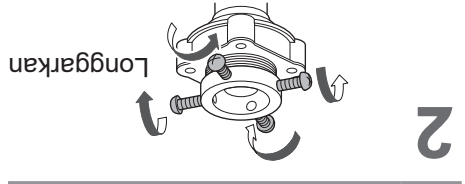
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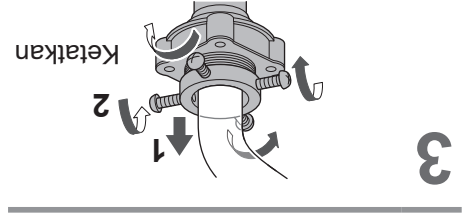
1




2



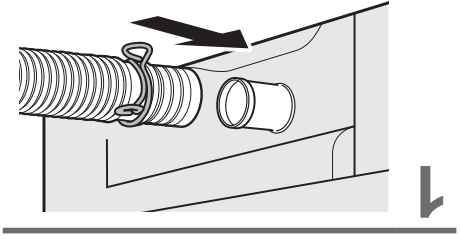
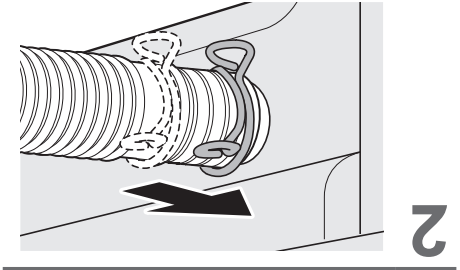
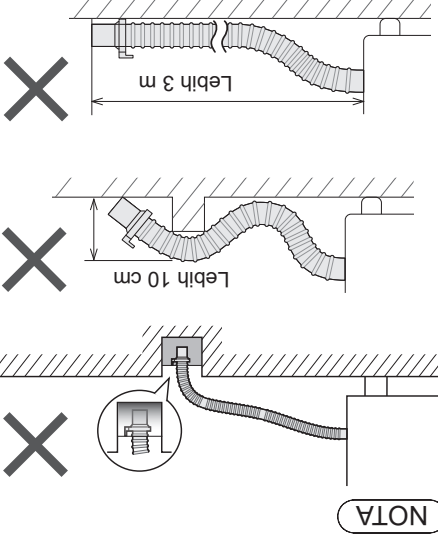
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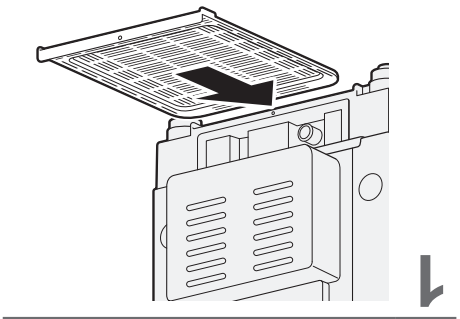
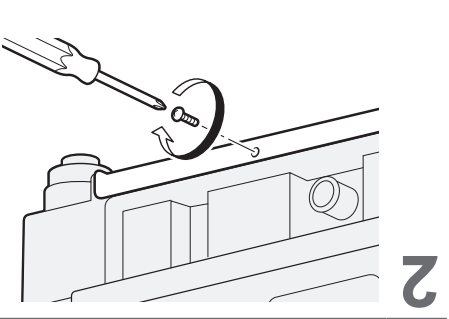
4

AWAS 

- Ketatkan nat dengan rapi.
- JANGAN pintal, penyek, ubah suai atau potong hos.



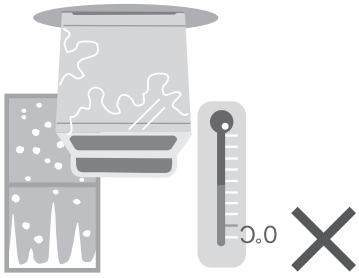
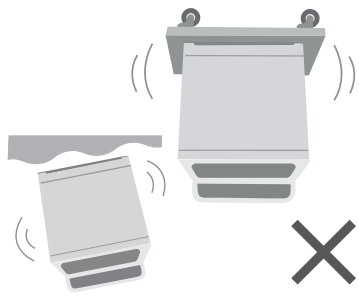
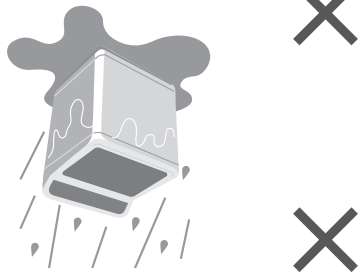
Pasangkan hos air saliran luar



Pasangkan penutup bawah

Pemasangan

Periksa lokasi.



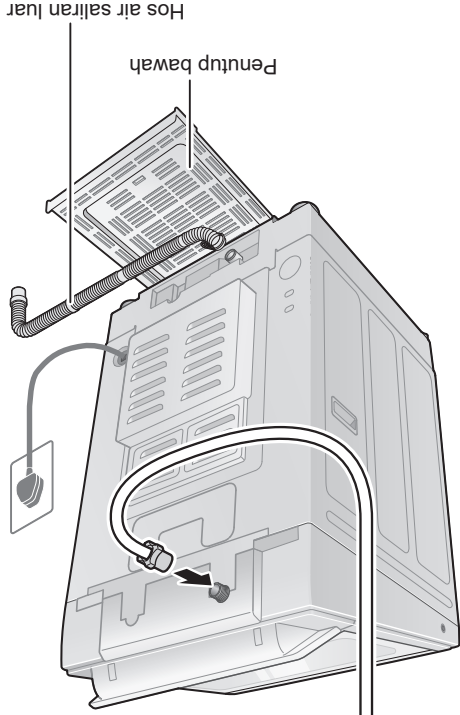
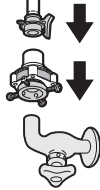
Pastikan anda meminta juruservis melakukan pemasangan.



■ Jangan pasang sendiri.

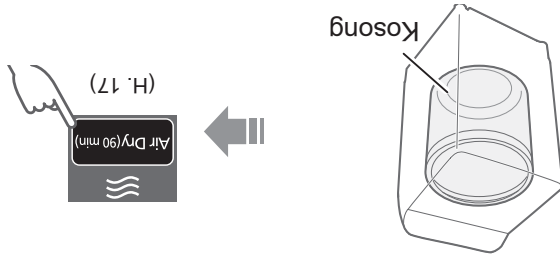
■ Mengikut kaedah pemasangan ini.

Jika kamu tidak, Panasonic tidak akan bertanggungjawab atas sebarang kemalangan atau kerosakan.

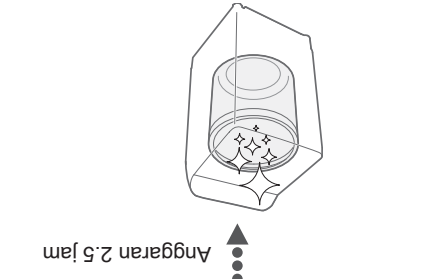
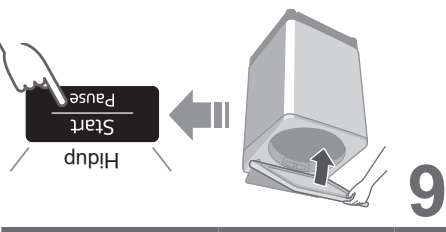
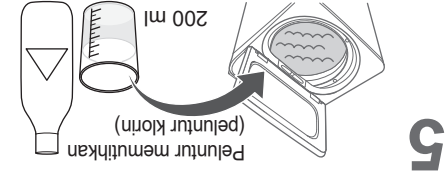


Tab

Sekali seminggu <Air Dry (90 min) (Kering Udara (90 min))>



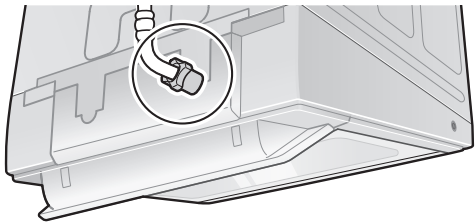
Sekali sebulan <Tub Hygiene (Kebersihan Tab)>



Penyenggaraan (sambungan)

Penapis bekalan air

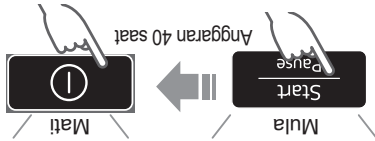
Jika air tidak mengalir dengan lancar



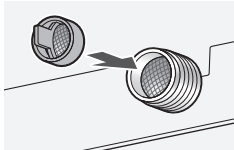
1



2



3

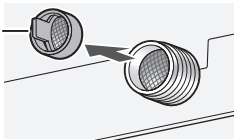


4

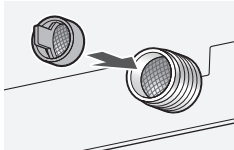


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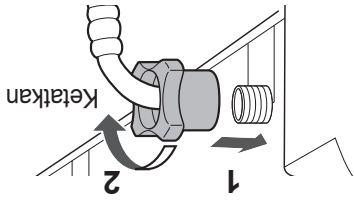
Penapis
bekalan air



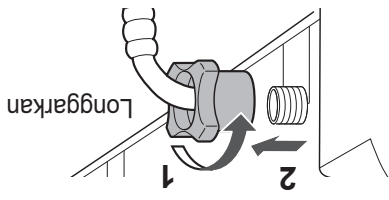
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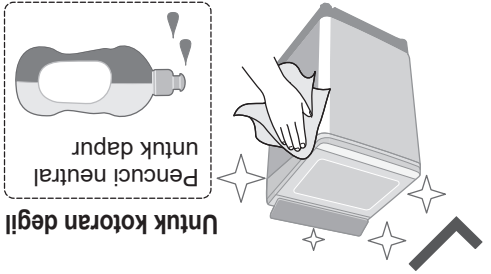
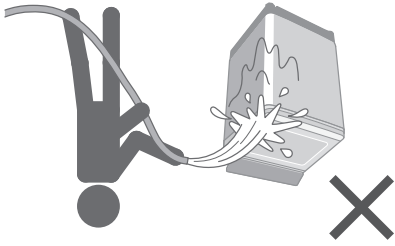
7



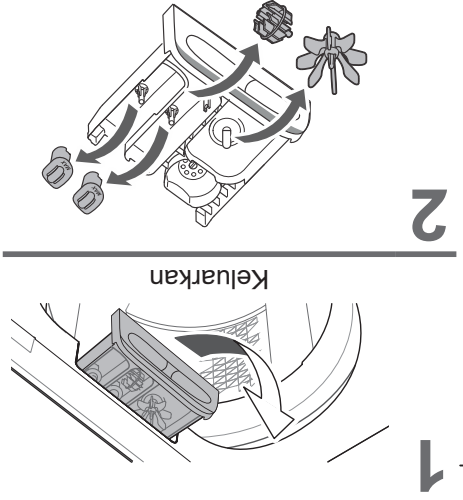
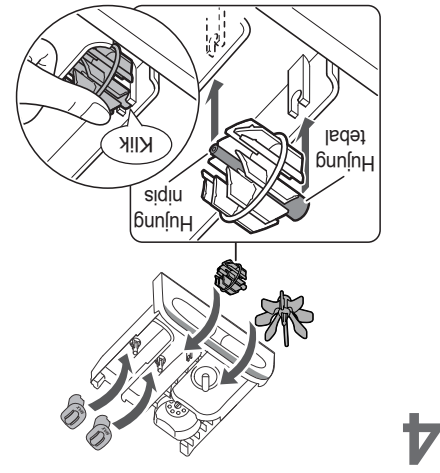
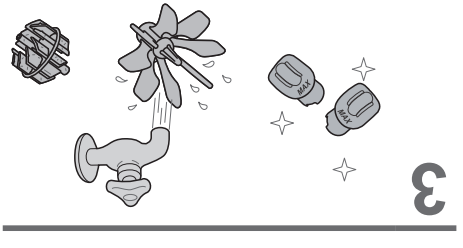
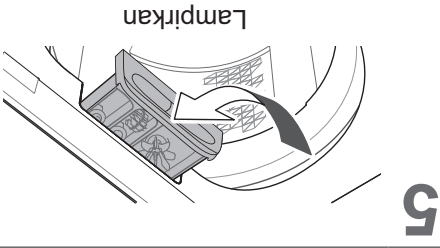
8



4



Unit utama, penutup



Jika ada kotoran sisa detergen atau pelembut

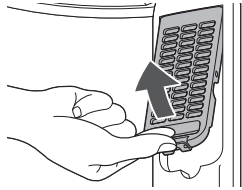
Laci detergen dan pelembut

Penyenggaran

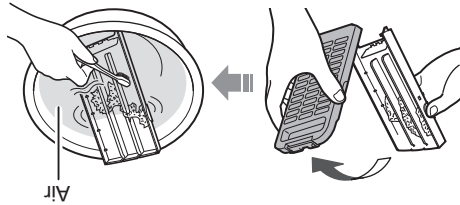
Penapis rumbai

Selepas setiap operasi

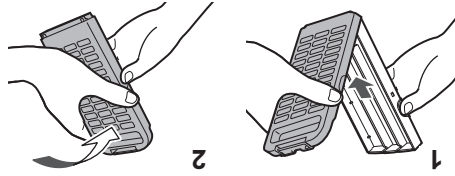
1



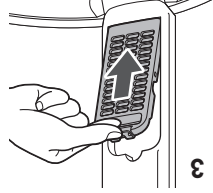
2



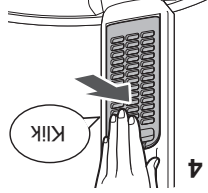
3



3

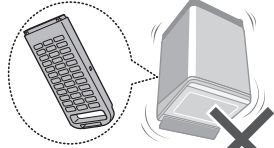


4

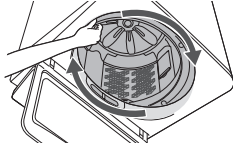


NOTA

Tanpa penapis



Jika sukar untuk
menanggalkan penapis



Jika penapis rosak

Peniaga tempatan



Kandungan Program

Program	Jumlah masa ¹ (anggaran)	Wash (Basuh) (minit)	Rinse (Bilas) (kall)	Spin (Perah) (minit)
Normal (Biasa)	65	9	2	7
Tangle Care (Penjagaan Kusut)	75	13	2	7
Speedy (Cepat)	50	3	2	5
Delicates (Halus)	50	9	2	1
Baby Care (Penjagaan Bayi)	80	9	2	7
Water Save (Jimat Air)	80	12	3	7
Blanket (Selimut)	80	12	2	7
Soak (Rendam)	130 ²	71 (Rendam 59)	2	7
Stain Master +	Odour/Aroma+ (Bau/Aroma+)	85	13	7
	Mud (Lumpur)	90	32	7
	Soya/Sauce (Kicap/Sos)	110 ²	54 (Rendam 29)	7
	Collar/Sleeve (Kolar/Lengan)	165 ²	33 ³	7
	Oily (Berminyak)	170 ²	38 ³	7
	Bacteria/Allergy (Bakteria/Alahan)	190 ²	30 ³	7
Tub Hygiene (Kebersihan Tab)	150 ²	65 (Rendam 62)	2	30

*1 Jumlah masa adalah anggaran (Apabila kadar standard bekalan air 15 L / min dan suhu air adalah bersuhu 28 °C).

*2 Baki masa 99 minit atau kurang akan dipaparkan. -- ← 99

*3 Tidak termasuk masa pemanasan air. Simbol -- akan dipaparkan semasa proses pemanasan air.

● "Refill": untuk mengisi air ke dalam tab dan kemudian memblas muatan sambil membekalkan air.



Fungsi Menyenangkan

Menetapkan Auto Tab Bersih

Mencegah kulupak, tersedia dengan semua program kecuali "Water Save (Jimat Air)" dan "Air Dry (90 min) (Kering Udara (90 min))":

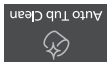
Penunjuk lampu



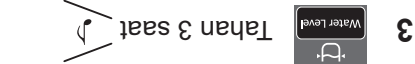
Fungsi disediakan



Fungsi dinyahdayakan



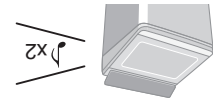
■ Hidup / matikan



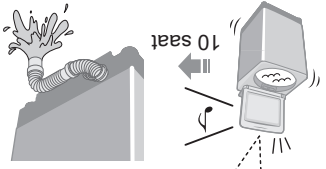
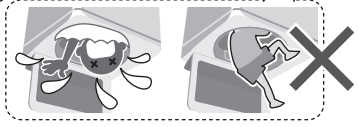
Membatalkan pembaz akhir



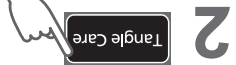
■ Menetapkan semula: prosedur yang sama



Menetapkan Kunci Kanak-kanak



* Fungsi ini tidak mengunci penutup dan operasi butang.



■ Membatalkan: prosedur yang sama



NOTA

Tahan 3 saat

Air Dry (90 min) (Kering Udara (90 min))

- Air disinkirkan daripada pakaian dengan tiupan udara daripada putaran tab.
- Pakaian kering: Gentian sintetik (Mask 3.0 kg)



1



2



3

NOTA

- Basuhan mungkin tidak cukup kering (bergantung pada jumlah dan jenis pakaian dan suhu).
- Memandangkan tiada alat pemanas digunakan untuk fungsi ini, anda mungkin berasa bahawa cucian sejuk dan tidak cukup kering.

* Keadaan ujian:

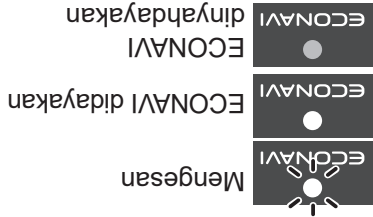
- Program "Normal (Biasa)"
- Perbandingan antara operasi yang mendayakan ECONAVI (jumlah basuhan: 2.0 kg, suhu air: atas 35 °C) dan operasi yang melumpuhkan ECONAVI (jumlah basuhan: 18.0 / 16.5 / 14.5 kg (kapasiti terkadar), suhu air: di bawah 15 °C)
- Ujian dijalankan berdasarkan IEC60456 kecuali untuk suhu air.



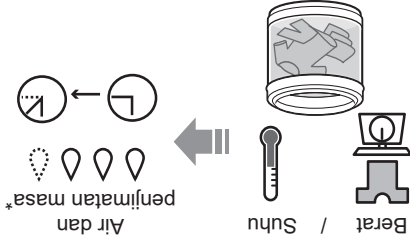
5

1	
2	
3	Tahah 3 saat
4	memilih hidup mati
5	

■ Hidup / matikan



■ Penunjuk lampu



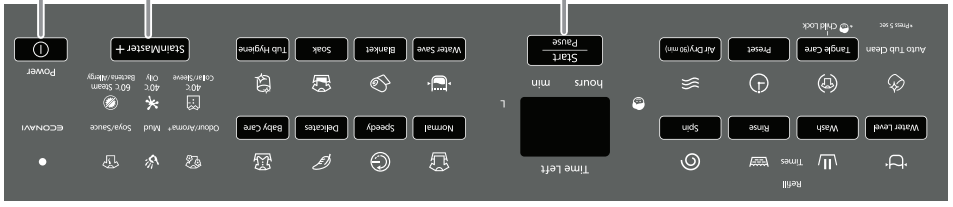
- Program "Normal (Biasa)" sahaja

ECONAVI

Pilihan Membasuh (sambungan)

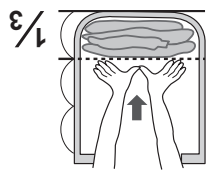
Stain Master +

Persediaan: (H. 7)



NOTA

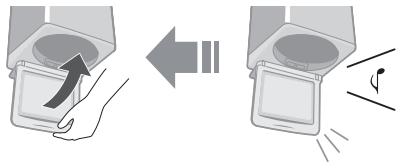
• Maks. kapasiti (H. 11)



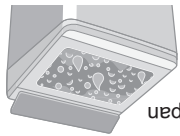
- Jumlah maksimum air
- Bacteria/Allergy: 66L
- Orang lain: 81L
- Anda tidak boleh mengubah tetapan proses basuhan program ini.
- Semasa menggunakan

	40°C
	40°C
	60°C Steam

• Pastikan penutup ditutup.



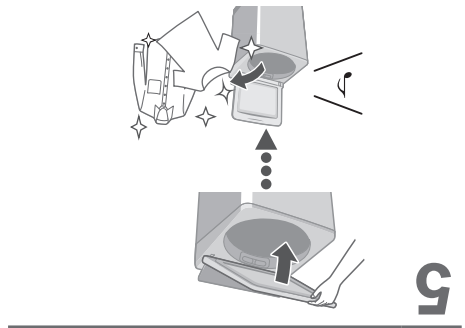
- Pemeluwapan embun mungkin terhasil pada penutup, dll..



Pemeluwapan



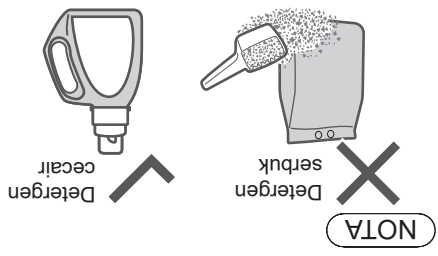
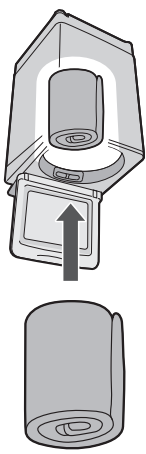
- Pratepahan pemasa (jam) (H. 14)
- Collar/Sleeve: 3 - 24
- Oil: 3 - 24
- Bacteria/Allergy: 4 - 24
- Orang lain: 2 - 24



Blanket (Selimut)

Maksimum * jumlah air	4.2 kg
	• Gentian sintetik 100 % • Kapas 100 %

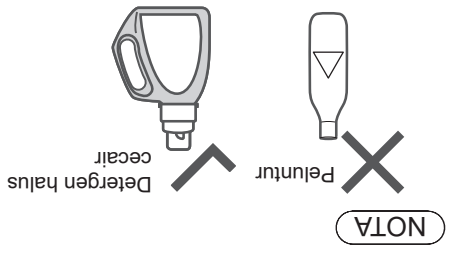
* NA-FD180V3: 105 L / NA-FD165V3: 99 L /
NA-FD145V3: 93 L



● Penunjuk jumlah air menunjukkan jumlah maksimum dan tidak boleh ditukar.

Delicates (Halus)

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

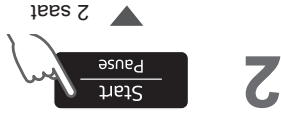


■ Selepas operasi berakhir

Pilihan Memasuh

Preset (Pratetapan)

Tetapkan berapa jam kemudian untuk menyelesaikan operasi.



Semua tanda-tanda lain dimatikan.

Normal	2 - 24		
Speedy	1 - 24		
Delicate	-		
Baby Care	2 - 24		
Water Save	2 - 24		
Blanket	-		
Soak	3 - 24		
StainMaster +	(H. 16)		
Air Dry (90 min)	-		
Tub Hygiene	-		

Untuk mengesahkan



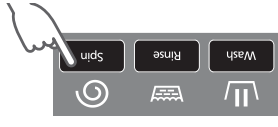
Untuk membatalkan atau menukar



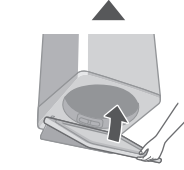
Wash (Basuh) / Rinse (Bilas) / Spin (Perah)



2



3

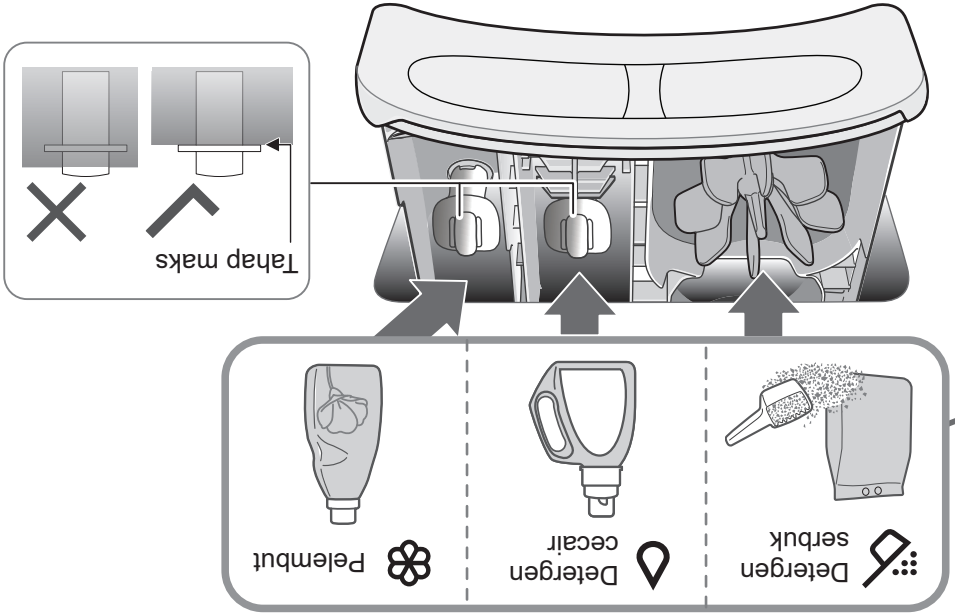


NOTA

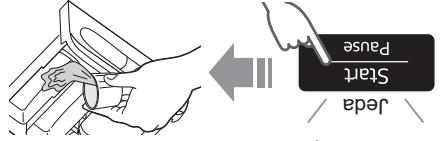
● Tidak tersedia untuk "Tangle Care (Penjagaan Kusut)".



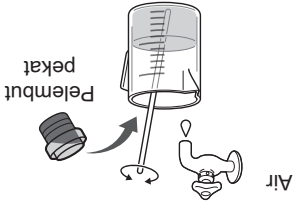
Pelembut



● Untuk menambah pelembut semasa operasi:

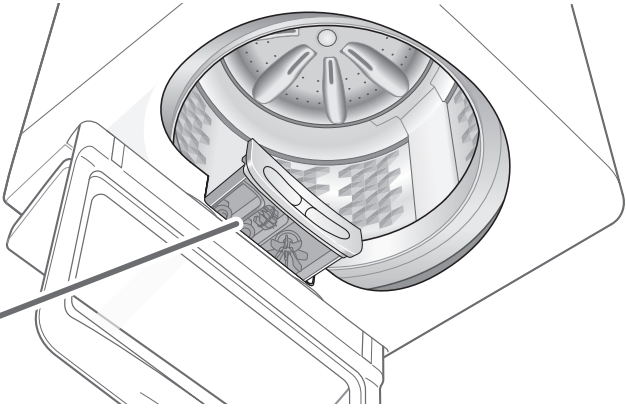


● Bahan pelembut tidak boleh digunakan dengan program "Water Save (Jimat Air)".



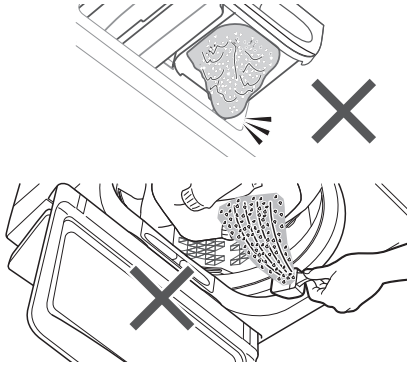
Detergen / Pelembut / Peluntur

- Ikut arahan di setiap bungkusan.
- Untuk pembersihan (H. 21)
- Tutup laci detergen dan pelembut sepenuhnya sebelum digunakan.



Detergen

- JANGAN masukkan detergen terus ke dalam tab.
- Tahap berbuluh bergantung kepada keadaan seperti saiz beban, takat kekotoran, jenis detergen, dan kekerasan air.




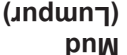
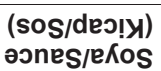
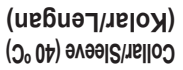
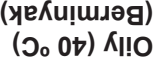



Peluntur

Peluntur memutihkan (peluntur klorin)










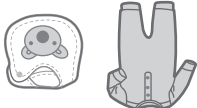





- Untuk menggunakan peluntur, letakkan peluntur dalam petak detergen serbuk (untuk peluntur serbuk) atau dalam petak detergen cecair (untuk peluntur cecair).

Kapasiti* (kg)	Tujuan	Program	Penyenggaraan	Kering	Basuh		
18.0 16.5 14.5	<ul style="list-style-type: none"> ● Untuk sangat kotor ● Untuk sangat kotor ● Untuk jenis noda yang berikut 	Soak (Rendam)  (H. 9)	 Air Dry (90 min) (Kering Udara (90 min)) (H. 17, 23)	3.0	 Bacteria/Allergy (Bakteria/Alahan) (60 °C Steam)		
6.0	<ul style="list-style-type: none"> ● Gunakan lebih banyak pelembut untuk mengesalkan bau lebih lama 	StainMaster + (H. 16)				5.0	 Mud (Lumpur)  Soya/Sauce (Kicap/Sos)  Collar/Sleeve (40 °C) (Kolar/Lengan)  Oily (40 °C) (Berminyak) Kotoran berat
—	<ul style="list-style-type: none"> ● Meringankan pakaian gentian sintetik 	(H. 23)	—	—	 Tub Hygiene (Kebersihan Tab)		
—	<ul style="list-style-type: none"> ● Penceucian tab Mencegah kulupak dan bau busuk 	—	—				

NOTA

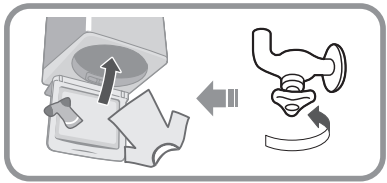
● Program "Normal (Biasa)" dan program "Water Save (Jimat Air)" disyorkan untuk beban dengan koton pada kapasiti terkadar mesin basuh ini.

Pelbagai Program

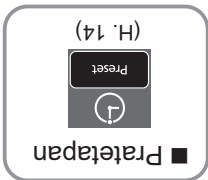
Kapasiti* (kg)	Tujuan	Program	
18.0 16.5 14.5	<ul style="list-style-type: none"> ● Pakaian harian 	<ul style="list-style-type: none"> ● Normal (Biasa) (H. 9) 	Basuh
14.5	<ul style="list-style-type: none"> ● Anti-kusut ● Mencuci lebih lembut daripada "Normal (Biasa)" untuk mengurangkan kusut. ● Melerai kusut pakaian selepas memutar: 8 kg atau lebih rendah. 	<ul style="list-style-type: none"> ● Tangle Care (Penjagaan Kusut) (H. 9) 	
18.0 16.5 14.5	<ul style="list-style-type: none"> ● Untuk kitoran ringan 	<ul style="list-style-type: none"> ● Speedy (Cepat) (H. 9) 	
5.0	<ul style="list-style-type: none"> ● Membasuh dengan lembut 	<ul style="list-style-type: none"> ● Delicates (Halus) (H. 15) 	
18.0 16.5 14.5	<ul style="list-style-type: none"> ● Pakaian untuk bayi & meraka yang berkulit sensitif ● Membilas sebersih-bersihnya 	<ul style="list-style-type: none"> ● Baby Care (Penjagaan Bayi) (H. 9) 	
18.0 16.5 14.5	<ul style="list-style-type: none"> ● Menjimatkan air 	<ul style="list-style-type: none"> ● Water Save (Jimat Air) (H. 9) 	
4.2	<ul style="list-style-type: none"> ● Selimut  <p>Dengan tag mesin boleh dibasuh</p>	<ul style="list-style-type: none"> ● Blanket (Selimut) (H. 15) 	

Membasuh

1

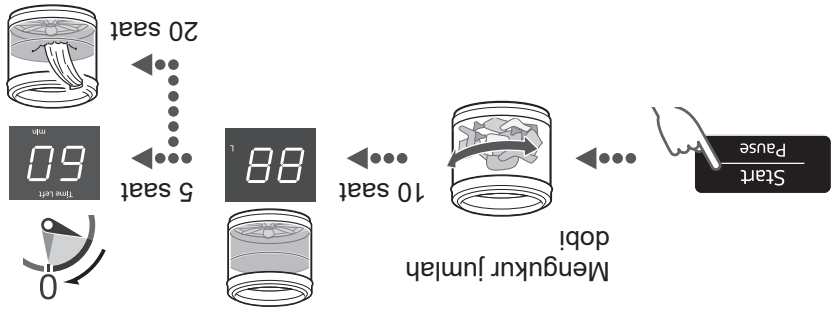


2

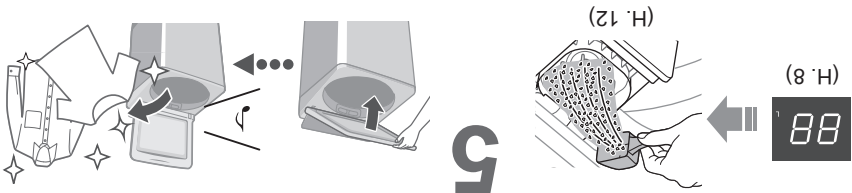


3

Mengukur jumlah
dobi



4



■ Selepas menekan "Start (Mula)"

- Untuk memulakan setiap operasi (semasa membasuh).




- Untuk memeriksa atau menukarkan paras air (semasa membasuh).




- Anda tidak boleh menukarkan program tersebut.

Panel Operasi


Tukar tetapan proses (H. 14)



Jumlah air



▲ kira-kira 5 saat

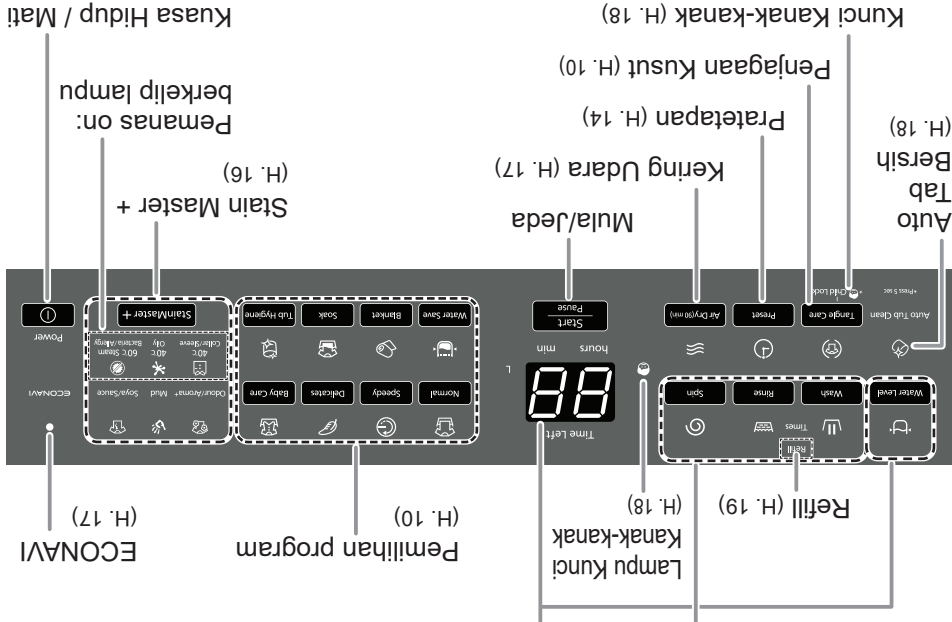


Time Left 50 min

Jumlah detergen

Detergen *2	81	88	74	52	33
Jumlah air (L)	105 *	88	66	46	33

*1 NA-FD180V3: 105 L
 NA-FD165V3: 99 L
 NA-FD145V3: 93 L
 Untuk jumlah air: 105L paparan akan menunjukkan 85 *2 sudu detergen



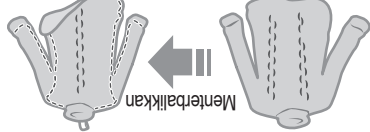
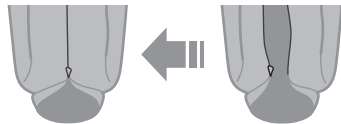
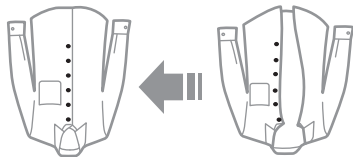
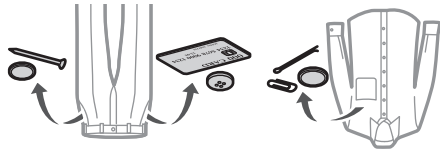
NOTA

- Sekiranya bekalan kuasa terputus.
 - ▶ Apabila kuasa pulih, operasi akan bersambung semula dari mana ia berhenti.
 - ▶ Jika anda tidak menekan **Start** dalam masa 10 minit selepas kuasa hidup.
 - ▶ Kuasa akan mati secara automatik.
- Penetapan proses mencuci program "Stain Master +" dan "Soak (Rendam)" tidak boleh diubah.

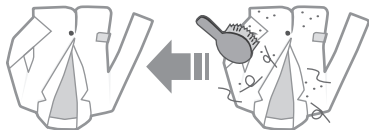
Sebelum Membasuh

Persediaan dan pemeriksaan basuhan

Pemeriksaan sebelum membasuh



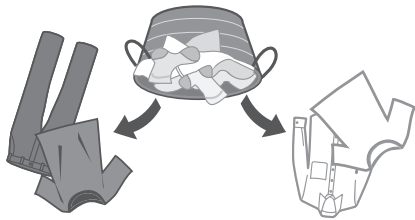
pakaian cenderung untuk "pill"



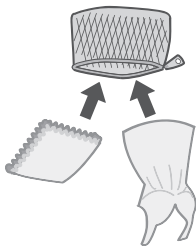
Lampin kertas



Untuk mengelakkan pudar



Menggunakan jaring dobi untuk kain halus



Air Dry (90 min)



Berebihan

Untuk "Stain Master+" (H. 16)



• Pretreatments untuk noda berat

• Mematuhi label penjagaan pakaian



• Untuk

60°C Steam
Bacteria / Allergy



• Pakaian berwarna

• Baju dengan fabrik yang keras



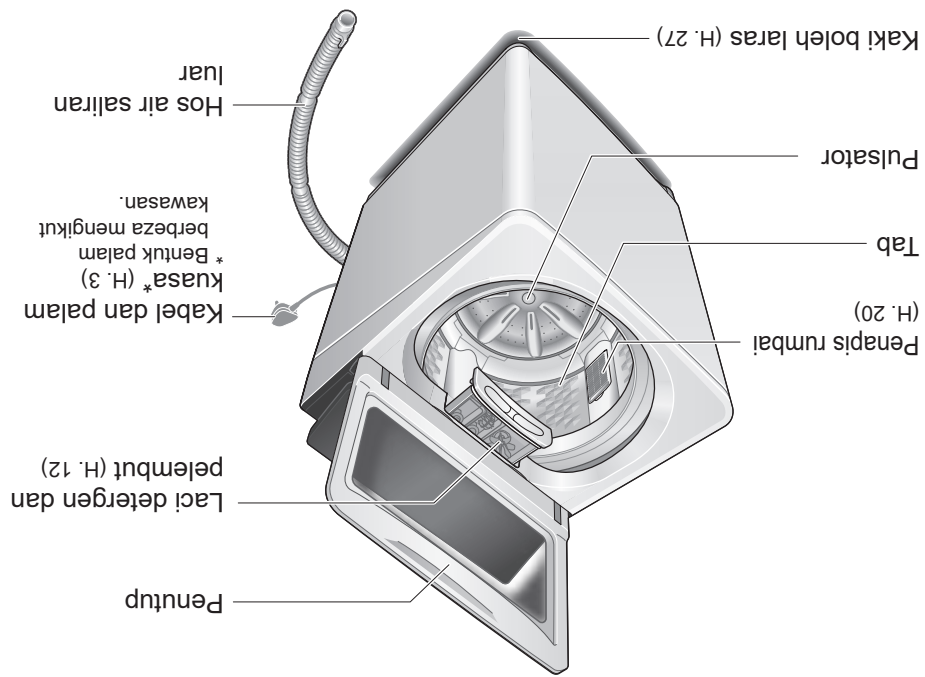
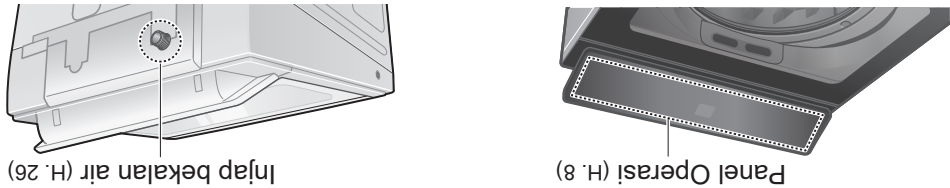
• Baju grafik



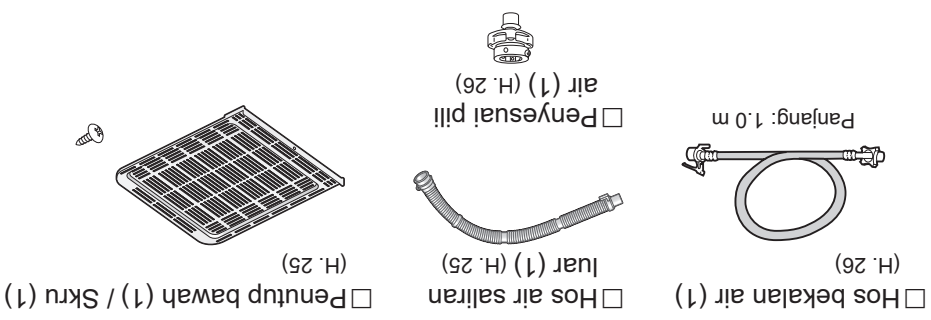
• bahan getah

Nama Bahagian / Kelengkapan

Nama bahagian

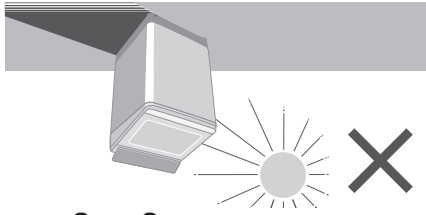


Kelengkapan

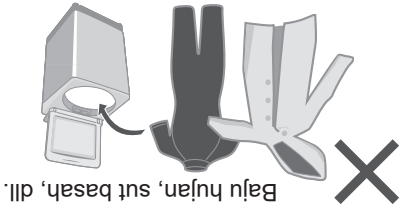


Boleh menyebabkan kegagalan.

Jauhi daripada haba dan sinaran matahari secara langsung.

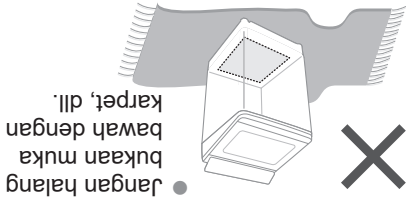


Jangan basuh barang kalis air.



Baju hujan, sut basah, dll.

Jangan halang.

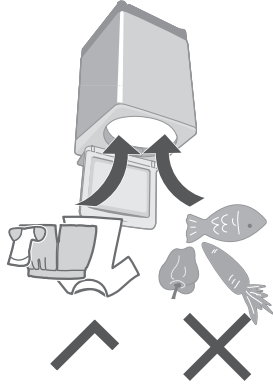


• Jangan halang bukaan muka bawah dengan karpet, dll.

Untuk pakaian yang boleh dibasuh mesin sahaja.

• Perkas ini adalah untuk kegunaan rumah.

- Perkas ini bukan untuk digunakan di: - kawasan dapur kakitangan di kedai, pejabat dan persekitaran kerja yang lain;
- rumah ladang;
- klien di hotel, motel dan persekitaran jenis tempat tinggal yang lain;
- persekitaran penginapan dan sarapan;
- kawasan untuk penggunaan bersama di blok atau rumah pangsa atau di kedai dobi layan diri.

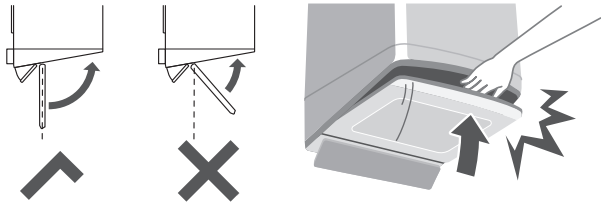


Langkah Berjaga-jaga Keselamatan (sambungan)

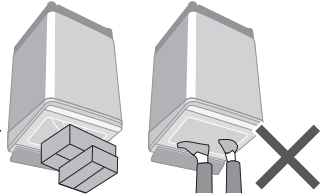


Boleh menyebabkan kecederaan.

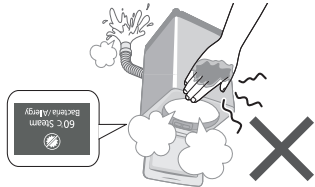
Berhati-hati agar jari anda tidak terselit.



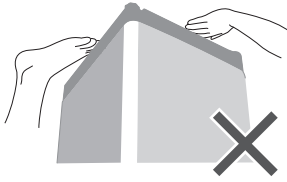
Jangan panjat atau letakkan benda di atas mesin basuh.



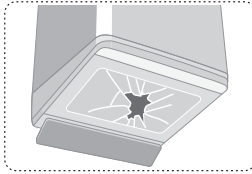
Jangan sentuh tab dan air panas yang mengalir.



Berhati-hati dengan tangan dan kaki anda.

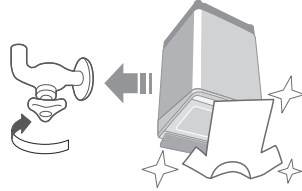


● Jika penutupnya rosak, berhenti menggunakan serta-merta.



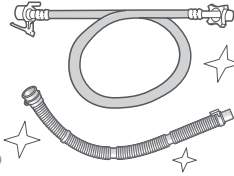
Boleh menyebabkan kebocoran air.

Tutup pili air.

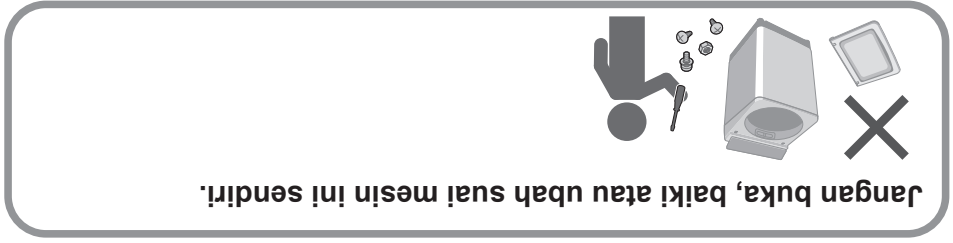


Gunakan set hos baru.

● Anda hendaklah menggunakan set hos baru yang dibekalkan dengan mesin basuh ini dan jangan gunakan semula set hos yang lama.



■ Untuk berat maksimum kain kering dan tekanan air paip, lihat halaman 32.



Jangan buka, baik atau ubah suai mesin ini sendiri.

Boleh menyebabkan kegagalan.

Masukkan palam dengan kemas.
 Hubungi juruteknik elektrik untuk soket baharu.

Lap palam kuasa secara berkala.

Jaukan mudah terbakar.

Jika kegagalan dan rosak pada kabel kord kuasa, berhenti menggunakan dan hubungi juruteknik elektrik.
 Habuk yang terkumpul boleh menyebabkan kebakaran.

Masukkan palam dengan kemas.
 Hubungi juruteknik elektrik untuk soket baharu.

Lap palam kuasa secara berkala.

Jaukan mudah terbakar.

Gunakan soket yang bersesuaian untuk peralatan ini.

● Bentuk palam, bentuk soket dan keperluan kadaran adalah berlainan mengikut rantau.

(cth.)

Langkah Berjaga-jaga Keselamatan

⚠️ AMARAN

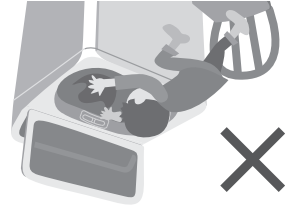
Boleh menyebabkan kecederaan serius atau kematian.

Kanak-kanak tidak boleh menggunakannya keseorangan.

- Perengkan ini bukan untuk kegunaan individu (termasuk kanak-kanak) yang kurang kepayaan fizikal, daya atau mental, atau kurang pengalaman atau pengetahuan, kecuali jika mereka telah diberikan penjelasan atau arahan berkaitan penggunaan perengkan ini oleh individu yang bertanggungjawab keatas keselamatan mereka.
- Kanak-kanak harus diperhatikan untuk memastikan yang mereka tidak bermain dengan perengkan ini.

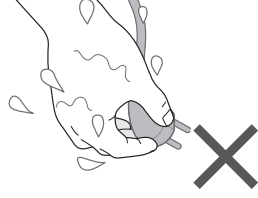
Jangan sentuh tab sehingga ia betul-betul berhenti.

- Jika tab tidak berhenti dalam masa 15 saat:

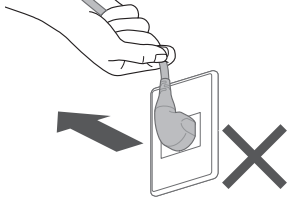


Boleh menyebabkan api atau kejutan elektrik.

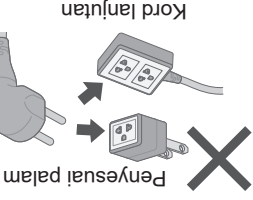
Jangan sentuh



dengan tangan basah. tarik kabel.



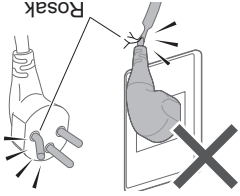
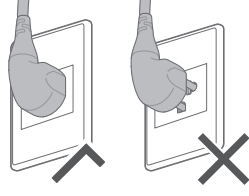
Jangan pegang atau Jangan guna.



Kord lanjutan

Penyesuai palam

Masukkannya sepenuhnya. Jangan guna.



- Jika kord kuasa rosak, ia mesti diganti oleh pengilang, wakil servisnya, atau orang yang berkeahlian bagi mengelakkan bahaya.

Rosak

Arahan Pengendalian & Pemasangan

Mesin Basuh Automatik Sepenuhnya
(Penggunaan Rumah)

No. Model NA-FD180V3

NA-FD165V3

NA-FD145V3

Kandungan	
2	Langkah Berjaga-jaga Keselamatan
6	Nama Bahagian / Kelengkapan
7	Sebelum Memasuh
8	Panel Operasi
9	Memasuh
10	Pelbagai Program
12	Detergen / Pelembut / Peluntur
14	Pilihan Memasuh <ul style="list-style-type: none"> • Preset (Pratetapan) • Wash / Rinse / Spin • Delicates (Halus) • Blanket (Selimut) • Stain Master + • Air Dry (90 min) • ECONAVI
18	Fungsi Menyenggarakan
19	Kandungan Program
20	Penyenggaraan
24	Pemasangan
28	Paparan Ralat
30	Penyelesaian Masalah
32	Spesifikasi



Terima kasih kerana membeli produk ini!

- Untuk mendapatkan prestasi dan keselamatan yang optimum,
- Sila baca arahan ini dengan teliti sebelum menggunakan.
- Simpan manual ini untuk rujukan pada masa akan datang.

