Auto-wrapping (tear-and-seal) portable toilet

Qwrappon-SUNNYUser's Manual





Auto-wrapping (tear-and-seal) portable toilet

Please read this manual very carefully and understand thoroughly before using it. Please keep this manual clean.



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Before using the Wrappon Sunny

Thank you for purchasing Wrappon Sunny, auto-wrapping (tear-and-seal) portable toilet. This User's Manual explains how to correctly handle Wrappon Sunny as well as simple explanation and maintenance procedures. Please read this User's Manual thoroughly before using Wrappon Sunny for safe use.

Product Overview

- Wrappon Sunny is a clean, simple and odorless toilet that uses special coagulant and wraps the waste automatically.
- Please esusure that you use the designated film for operation.
- The products includes 2 sets of consumables for up to 30 uses each.
 Please purchase addition sets as needed.
- When assembling the product, be careful not to get your fingers caught in the main unit.
- For any questions on how to use the Wrappon Sunny, contact the dealer you purchased.

About the User's Manual

- Keep this User's Manual close at hand for easy references by users.
 Should this User's Manual be lost or damaged, purchase a new copy from the company you purchased.
- The manufacturer may modify this User's Manual at any time without prior notice.
- User's Manual and warning labels do not necessarily show the shapes of items and sometime those are the icons. Note that the display values shown in the diagrams are only examples.
- If you transfer this product to another party, be sure to transfer the User's Manual and the Quick Reference Guide.
- The intellectual property rights for this User's Manual belong to the manufacturer.
 No part of this User's Manual may be reproduced without written permission from the manufacturer.

To Ensure Safe Use

Before using the product, read the "To Ensure Safe Use" section thoroughly to ensure correct use. The precautions described here represent important safety-related issues and must be observed.

Precautionary symbols and its meanings		Various symbols used to indicate and explain the items that must be observed.	
Ø Warning	Using the product incorrectly and ignoring this symbol may cause death or serious injury	A	This type of symbol means "PROHIBITED". The one shown on the left means "Do not disassemble."
<u></u> Caution	Using the product incorrectly by ignoring this symbol may cause injury or property damage	!	This type of symbol means "REQUIRED:" Left sign means "MUST BE OBSERVED:"

Warnings MUST BE OBSERVED MUST BE OBSERVED **PROHIBITED** When using the AC adapter, Use only designated AC connect it directly to an adapter. outlet(AC100V-240V)and Do not use staples, nails, Use only the specified AC securely insert the plug. or wires to fasten the adapter. If not, it may damage If the adapter is not plugged power supply cord. the product or pose a danger. in securely, electric shock or May damage the power fire may result due to supply cord causing electric overheating. shock, short circuit, or fire. DO NOT TOUCH DO NOT WET MUST BE OBSERVED WITH WET HAND **WITH WATER** Reinforcement bar must Do not touch with wet hand. May cause short in the be installed. electrical circuit and May cause electric shock if Without it, the product may corrosion on the product. you touch the electric plug fall resulting injury. and switch with wet hand.

Warnings



PROHIBITED

Be careful not to damage the cords, plugs, etc.

Do not damage, do not modify, keep away from high temperature, do not forcibly bend, do not twist, do not pull, do not place under a heavy object, or do not bundle them.

- A damaged cord or plugs, if used, may cause electric shock, short circuit, or fire.
- When unplugging, hold the plug itself and pull out straight.
- If the power supply cord becomes damaged, ask the seller to repair it.



PROHIBITED

When the main power supply is ON, do not put your hand in the film or toilet.

The rollers or seal bar may trap your hand causing severe injury.



PROHIBITED

Do not insert hand into the opening area from the bottom of the product.

Inside the product, there are moving parts which may damage and burn your hands.



DO NOT **DISASSEMBLE**

Do not attempt to disassemble or repair the product.

High voltages are present inside the product, which may cause electric shock, fire, or product malfunctioning result in injury.



PROHIBITED

Use the product only as a toilet and do not use for other purposes.

- Do not place inside a vehicle and use it as a seat.
- Do not use the product as a
- Do not use the product as a pallet.
- Do not use the product as a chair while taking the toilet seat off.

The above may cause the product to topple or be damaged, causing injury.

MUST BE OBSERVED

Regularly clean the dust off from the power supply plug.

Accumulated dust may cause an insulation failure, resulting in fire due to overheating. Disconnect the power supply plug.

MUST BE OBSERVED

If you hear thunder, do not touch the main unit or power supply plug.

May cause electric shock.



PROHIBITED

Do not place a heavy load on the product.

- Do not stand on the product.
- Do not move the product while person is on the product.
- Do not use two persons at the same time.

UNPLUG

Before maintenance or inspection, disconnect the power supply plug.

If not unplugged, you may get an electric shock or an injury.

To Ensure Safe Use (continued)

Warnings



✓ NO OPEN FLAME

- Do not install the product near an open flame.
- Do not throw flammable material or lit cigarettes into the toilet.

Deform the product may cause short circuit or fire which may result in waste leakage.

Do not use the product near a stove.

PROHIBITED

Children or adults who require assistance in moving must not use the product by themselves.

- May result in injury if mischief movement is done by a child.
- May result in falling down of the product.



PROHIBITED

Do not use the person heavier than 150kg.

It might be damaged and may result in injury.



MUST BE OBSERVED

Do not put the coagulant into your mouth.

The coagulant is not food. Check the precautions for use.

MUST BE OBSERVED

The product must be used on a flat and stable location.

If installed in an unstable location, the product may fall down and cause injury.

UNPLUG

If the product is not to use for a long time, disconnect the power supply plug from the electrical outlet.

Insulation deterioration may cause electric shock or fire.





MUST BE OBSERVED

Before use, make sure that you check if the film roll is installed.

If used without film roll installed, waste leakage may cause the product failure. Also no-load running may cause the product failure.



PROHIBITED

Do not throw large quantity of toilet paper into the toilet.

When wrapping the film, the toilet paper may get tangled with the film, resulting bad seal with a leakage.



PROHIBITED

Do not install, use and store at the following places.

- Lots of dust and dirt.
- Places such as bathroom over 80% humidity.
- Locations exposed to rain and direct sun light.

If you install, use and store the product in these places, you may get the trouble.

Caution



PROHIBITED

Do not put in more than the specified amount of coagulant.

The coagulant may become trapped between the rollers which may cause the product to fail.

For the coagulant information, please refer the coagulant note on use.



PROHIBITED

Do not use anything except the designated coagulant.

Using any other coagulant may cause insufficient coagulation, clogging, wrapping failure, or product failure.

MUST BE OBSERVED

The user must sit squarely on the toilet seat.

If the user sits close to the front edge, the waste may leak and cause the product to fail.



MUST BE OBSERVED

Throw used toilet paper into the middle of the toilet.

If not observed, it may cause clogging and wrapping failures.



PROHIBITED

Do not press the push button while seated on the toilet.

The film will get caught in the toilet seat, causing product failure or wrapping failure.



PROHIBITED

Use the product only if wrapped film does not remain on the bottom cover.

If wrapped film remains, it may cause product failure or wrapping failure.



MUST BE OBSERVED

When installing the film roll, the power supply cord must be disconnected.

If not observed, it may cause clogging and wrapping failures.



PROHIBITED

Do not use other film roll than designated film roll.

Using other film roll may cause it to get trapped inside the product, and may cause waste leakage or product failure.



MUST BE OBSERVED

Install the toilet seat to the body properly.

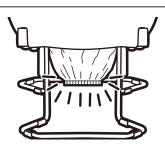
Wrong installation may cause the product fall or product malfunction. This may result in product failure.



MUST BE OBSERVED

Make sure that you press the button for initializing after installing a new film roll.

If you do not run the initial film-bonding operation, the waste may leak, causing the product to fail as the film is not sealed.



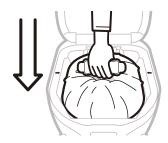
To Ensure Safe Use (continued)





MUST BE OBSERVED

Push down the film installation jig while aligning it with the protrusions on the top plate.



If the product is used without a film installation jig, film may be dislocated from rollers and unbalanced film feeding which may cause the wrapping failure.



PROHIBITED

To clean the product, use a diluted solution of mild kitchen detergent. Do not use any of the following: toilet cleaner, benzene, solvent, or cleanser.

Using such a prohibited product may damage the product, causing injury. It may also cause product deformation or discoloration.



PROHIBITED

Do not move without wrapping.

Waste may leak. The floor and the product is soiled. So make sure that you move the product after completing the wrap cycle.



PROHIBITED

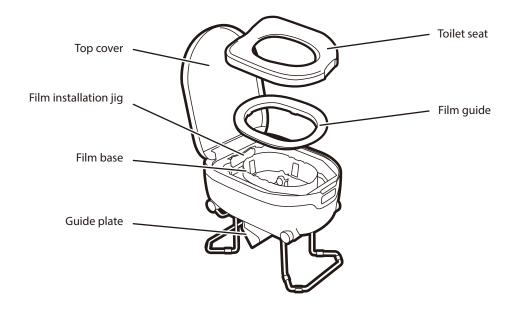
Do not relocate the product while connecting the power source plug.

You may trip on the cord resulting the disconnection of the plug or short circuit.

The Parts and Accessories List and Description of Consumable Supplies

The Parts and Accessories List

- The parts and accessories shown below are pre-packaged with the product.
- Before using the product, check to make sure all of the accessories are intact. Should any accessory be missing or damaged, please notify the seller of the product immediately.



Accessories List



AC adapter (1)



Power supply plug (1)



DC cable (1)



Transport bag (1)



Special coagulant (30×2 packets/box)



Film roll $(30 \times 2 \text{ times per roll})$



User's Manual (1)

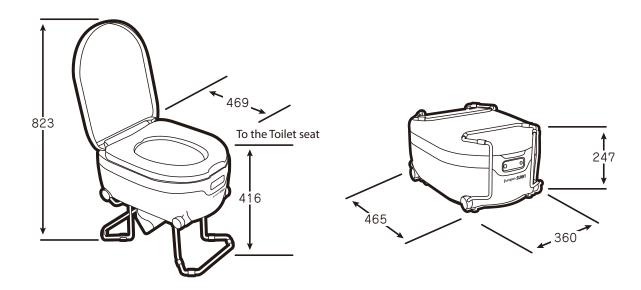


Oil & Cloth (1)

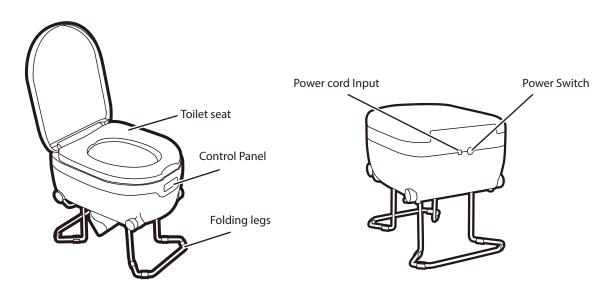
^{*} Helps if the film sticks after long use. See P.15-5 for instructions

Name of various parts

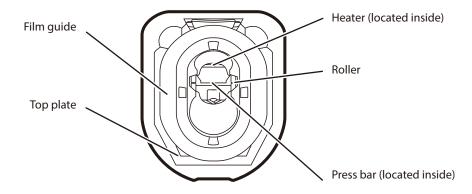
External dimentions(mm)



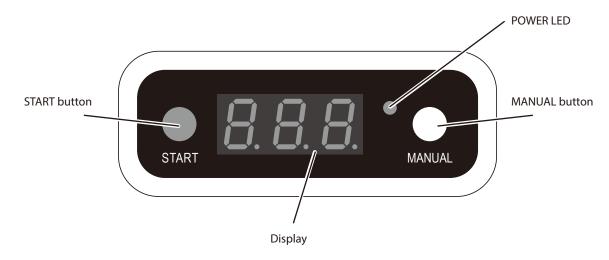
Installed status



Top view with the toilet seat removed



Control panel & Display

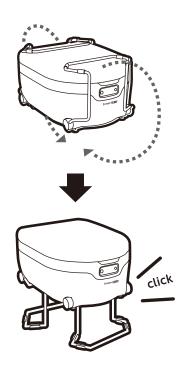


Description	Function	
START button	Press and hold "Start" button for 2 seconds, and you will hear a beep soound, then the toilet starts sealing.	
MANUAL button	Press and hold the "Manual" button to pull the liner further down, Use case1: To create larger bags. Use case2: To change the liner.	
POWER LED	POWER lamp ON: When the switch on the back of the toilet is turned on. POWER lamp blinking: Sleep mode. POWER lamp OFF: When the switch on the back of the toilet is turned off.	
Display	Operating mode / sealing mode : Countdown until the sealinng process is completed. The system will enter sleep mode if there is no operation within 80 seconds, and can be woken up by pressing any buttons on the control panel.	

Main Unit Setup

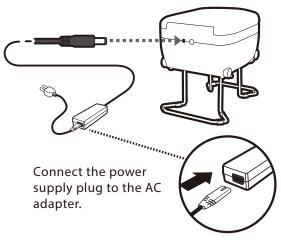
- Read 'Ensure the safe use' on page 4~8 before assembling.
- Check 'Parts and accessories list' on page 9 to make sure all are available.
- Expand the folding legs.

 Lift the body and expand the folding legs until you hear a click.



The guid plate is auto watically open when the legs are positioned correctly.

2 Connect the AC adapter.



By this the assembling is finished. Do not connect to the power supply before installing the film roll.

Installing a film roll

- Before installing a film roll, check 'main unit setup' on P12.
- · While the plug is on, do not insert your hand inside the toilet.
- To function wrapping mechanism properly, a film roll must be installed properly.
- Do not use other than the designated film roll.

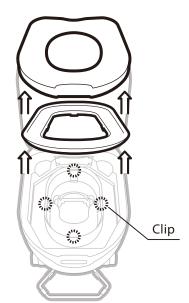


Please see the video "How to Install the Wrappon Sunny Film Roll" for details.

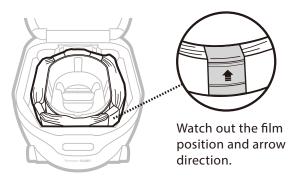
Make sure that the power supply is disconnected from the outlet.

Remove the toilet seat and film guide.

Unlock four clips and remove the film guide at upward.



Install a film roll along with film guide.



Remove Clamping (bands at four locations of the film roll.



Install the film guide which you took at 11.

> Push it until you hear the click sounds.



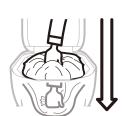
- Take the film cassette cover out.
 - 1 Lift up the uppermost edge of the film roll from the upper end of the film guide by approximately 30cm.



② Grip the upper portion of the film roll in a lump.

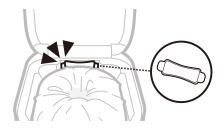


3 Push the lump in the toilet as far as you can.

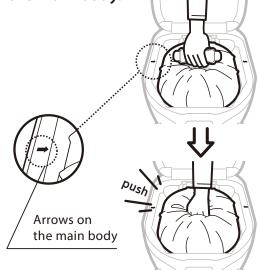


Installing a film roll (continued)

Remove the film installation jig from the holder.



Push down the film installation jig while aligning it with the arrow on the main body.



Pull up the film installation jig. Check if the film is properly set or not.



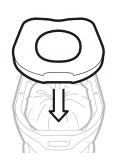


Film must be sandwiched both left & right set of rollers.

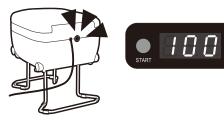


Film must be with one set of rollers.

Install the toilet seat.



Put the power plug into an outlet. Press the power switch. Check that the display is illuminated.



Press and hold Start button for 2 sec.

To perform the initial sealing.

A beep will sound and the heat sealing will begin.

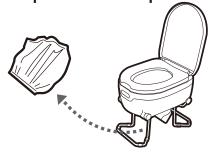
*Without this, the bottom of the bag is not sealed.



Display screen shows an estimated time remaining to complete the wrapping (100 countdown).

When completed wrapping, you hear beep sounds.

Take out the separated film. This completes film setup.



Changing the film roll

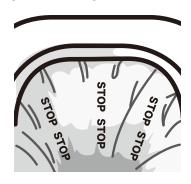
When you see the 'STOP' mark in the film



Please see the video "How to Replace the Wrappon Sunny Film Roll" for details.

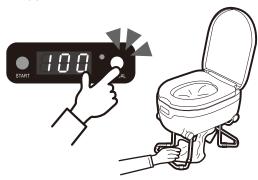
Change the film roll immediately.

If you continue using the film, the film roll is running out, resulting a cause of waste leak.



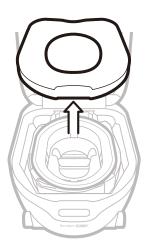
Press MANUAL button.
By holding down the MANUAL button,
the film is sent out.
You keep pulling the film roll below gently until
the film is running out.

If you did not pull the film, it may cause the film wrapped around the rollers.



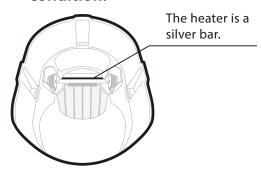
Turn off the switch on the back, then pull the electric power cord from the Outlet.

Take out the toilet seat .



Please apply the included oil to the surface of the heater.

*If you experience film sticking after long-term use, applying the oil can help improve the condition.



Install a film roll.
Refer to P.13-14, steps 2 to 12 of
"Installing the Film Roll."

How to use the toilet

- •Before using, make sure that the plug is connected to electric power outlet.
- •Do not insert hand into the toilet.
- ·Sit down on the toilet as Western-style toilet.
- •Do not stand and urinate. You should sit down on the toilet and urinate.
- •Do not throw cigarette and sharp-edged items in the toilet. You can throw human waste, wet tissue and sanitary goods.
- · If you drop something in the middle of wrapping, wait until the cycle finishes.

 Then, you open the wrapped film and take it out.
- •There is a possibility of waste leaking as the wrapped film is not 100% sealed due to the environment and condition. Also make sure that you use the coagulant and the tray.

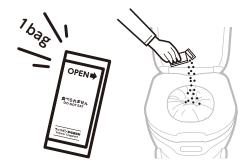
★ Check before use ★

- Make sure that POWER light ON.
- Make sure that you check if the film roll is installed. If the STOP mark is appeared on the film, replace it with a new film roll(refer P15).
- Check if there is no damage to the part of toilet seat that touches the body. If there is a damage, please do not use it.



Please see the video "How to Use Wrappon Sunny" for details.

Pour one packet of special coagulant. Before you do defecation, make sure that you pour the coagulant.



Relief yourself.
Sit on the soft toilet seat in the correct position.

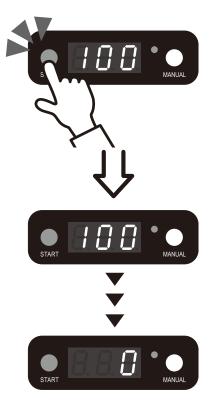
Push down the toilet paper so it is not sandwiched with press bar.

When finished, stand up and press and hold the START button for two second.

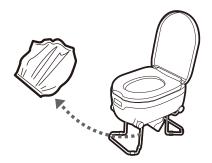
Make sure that you are away from the toilet seat.

After 100 countdown, you hear Beep sounds. The wrapped film is automatically cut.

Do not pull the film until the wrapping is completely finished.



Discard the wrapped film
Disposal of wrapped waste film must follow the local government.



Maintaining the Product

Maintaining the product regularly to ensure hygienic use over a long period.

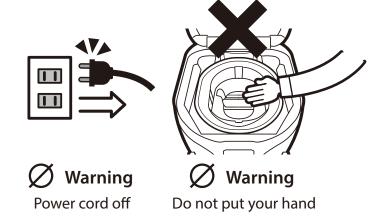
- ·Before performing maintenance or inspection, disconnect the power supply plug.
- •Regularly dust the power supply cord.
- ·Keep the product clean.
- ·When cleaning, never use toilet cleaner, benzene, solvent or cleanser.
- •After you finish cleaning, reinstall the toilet seat.

Daily maintenance

- For light soiling, wipe with a wet soft cloth lightly.
- For heavy soiling, wipe with a soft cloth soaked with diluted mild kitchen detergent.

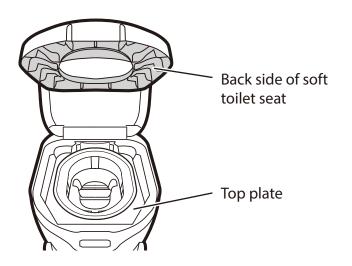
Inside toilet is soiled

If the inside toilet is contaminated with human waste, do not insert hand into toilet. Stop the operation immediately. Pull off the power cord from power source. Please call the dealer you purchased.



Installing the film roll

When you change a film roll, it is recommended to wipe the back side of toilet seat and the top plate.



Storing the product

- Before storing the product, clean the toilet seat and other parts by referring 'Maintaining the product'.
- When the product is not used immediately, disconnect the power supply plug from the electric power outlet.
- If wrapped film is stored for a long time with waste inside, odor and smell occur. Earlier disposal of the wrapped film is recommended.

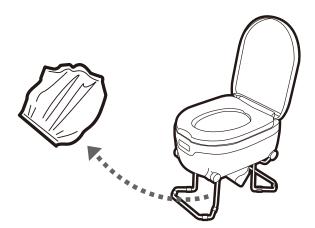
About the storage environment

An ideal storage location is an indoor with temperature between $0^{\circ}\text{C}\sim40^{\circ}\text{C}$ with low humidity.



Do not use the location as listed below.

- Dusty location
- ·Locations such as bath room where the humidity exceeds 80%.
- ·Locations exposed to rain or direct sunlight.



Frequesntly asked questions

Question	Answer
Will the wrapped waste not emit odor even if left as is.	The wrapped film does not prevent odors for an extended, so please of it promptly after use.
Isn't replacing the film roll difficult?	The film roll is designed to change without difficulty. Just follow the film roll replacement section in this manual or quick reference.
Can I dispose of the wrapped waste as combustible waste?	Like disposable diapers, wrapped waste is treated as combustible waste. However,, because the specific rules vary among individual local governments so check with your local government.
How should I clean the product?	Gently wipe with a soft cloth soaked with diluted mild kitchen detergent and rinse with a damp cloth dipped in water and rung out. The unit contains a heater for wrapping the film. Therefore, never pour or spray water on the unit when cleaning the unit. Otherwise, the heater may malfunction.
Why do I have to use the wet tissue?	Toilet paper can also be used. If light paper such as toilet paper is used, it may become trapped during the wrapping operation and cause waste leakage. Therefore, we recommend using wet tissue.
Is it OK to flush waste that has been coagulated with the polymer coagulant down a regular toilet ?	No. Because the polymer is water-insoluble, do not flush it down a regular flushing toilet.

Error Codes

Error	Fault	Solutions
E1	Thermosensor protection	Contact your dealer.
E2	Heating device protection	Contact your dealer.
E3	Timer protection There is foreign object in the clamping position.	Remove object and restart it by switching off and on. If the fault persists, please contact your dealer.
E4	Overcurrent protection when clamping	Remove object and restart it by switching off and on. If the fault persists, please contact your dealer.
E5	Overcurrent protection when declamping	Remove object and restart it by switching off and on. If the fault persists, please contact your dealer.

Troubleshooting

If the product does not work correctly after you have tried the steps described in the table below, contact the seller.

When this happens Check the following		Check the following	What to do
The control does not			
Wrappon Sunny status	light.	Is the power turned off ?	⇒ Please turn on the switch located at the back of the toilet.
		Is the toilet in sleep mode ?	⇒ Press any button on the control panel to restart .
		Is the power cord or plug disconnected?	⇒ Ensure the power cord and plug are firmly connected to the unit and the outlet.
stat		All other cases	⇒ Please contact your dealer.
:us	Unstable	Are the legs fully opened ?	⇒ Open legs till you hear a click.
During in use	Used without installing the film roll.		Immediately stop use and unplug the power cord. Contact your dealer afterward.
	If the film in the toilet displays a red "STOP" mark.		This indicates that the film roll needs to be replaced. Please refer to page 15 for "Replacing the Film Roll.
	Power Outage During Wrapping		After power is restored, press the Manual button to advance the film by about 10 cm. Carefully cut the film near the shooter to prevent spills. Tie the unsealed side and dispose of it. Press the Start button to resume heat sealing.
	If power is lost during wrapping.		The wrapping process will resume once power is restored. Do not pull the wrap forcibly during use.
	If you smell burning or see smoke		Immediately stop use and unplug the power cord. Contact your dealer afterward.
	If a coagulating agent is ingested		> Immediately remove it, rinse your mouth thoroughly with water, and seek medical advice.
	Wrapped film is not cut away.	Look into the toilet to see if wet tissue is stuck in it.	Push and hold START bottom on the control panel for 2 seconds(one cycle length is rolled with empty inside). Follow the procedure of the Re-Wrapping on page 26.
		Is the film stuck to the heater ?	Please remove the film from the heater and apply the included oil to the surface of the heater using the provided cloth. (If the cloth is not available, you may use a dried paper towel or other fabric.)
		All other cases	⇒ Please contact your dealer.

W	hen this happens	Check the following	What to do	
Dг	Waste has leaked.	Did you forget to press the flush button after changing the film?	⇒ Follow "Correct re-wrapping"	
		Is there a hole in the wrapped film?	⇒ Follow "Correct re-wrapping". If you press the button while seated, this may cause the film to tear. You must press the START button after standing up.	
During in use		Did you pull the wrapped film forcefully before the film is cut?	⇒ Follow "Correct re-wrapping".	
PO PO PO PO PO PO PO PO PO PO PO PO PO P		Did you forget to pour the polymer coagulant in?	This product does not seal completely. Depending on the operating condition and condition such as wrong film setting, the waste inside the film may leak so make sure you pour polymer coagulant. After that, refer to "Correct re-wrapping".	
		All other cases	⇒ Call the dealer.	
	Waste is not wrapped correctly.	Has the film come off the rollers?	⇒ Follow the steps under 'Installing the film roll' on, use the installation jig to insert the film between the rollers.	
		All other cases	⇒ Call the seller	

Re-wrapping

- 1 Open the film that has been incorrectly wrapped.
- 2 Firstly, pour a scoopful of coagulant. Then, put the film of 1.
- 3 Press and hold the START button of remote control unit for two seconds.
 - If Wrappon Sunny becomes soiled with waste, refer to 'Maintaining the Product' on page 19.
 - Should the waste get on your hand, wash it thoroughly with water and disinfecting soap, and then, disinfect with alcohol.

How to take out the film while in use

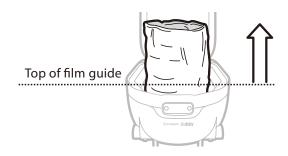
·Before working, please unplug the power plug from the outlet.

1 Prepare scissors



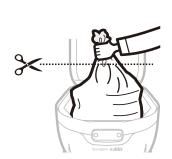
Lift the outside of the film.

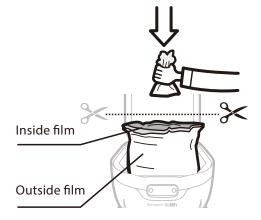
Lift up to a height of about 40cm from the top of the film guide.



Cut the top of film with scissors.

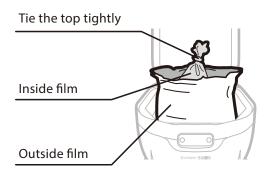
The film is divided into two parts,inside and outside.



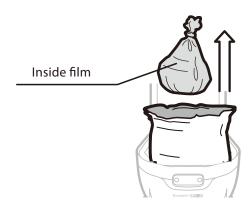


If the contents are inside the film, make sure to tie the inside film tightly to prevent the contents from spilling.

Please reduce the a mount of air inside as much as possible.



Pull out the inside and remove it from the roller.



When installing a film, please refer to item 5 of " Install the film roll " on page 13.

Specification

ltem		Specification	
Product Name		Auto-wrapping(tear-and-seal) portable toilet Wrappon Sunny	
Model No.		SNSE0002E	
Materials		Stainless steel, ABS, PP, POM	
Power supply Input voltage		AC100V-240V 50-60H(AC adapter) or DC12V	
Power consumption		60W(MAX)	
Dimensions	Assembled dimensious	36cm(Length) x 46.9cm(Depth) x 42.1cm(Hight)	
	Folded demensious	36cm(Length) x 46.5cm(Depth) x 24.7cm(Hight)	
	Height to the toilet seat	41.6cm	
Weight		Main body: Approx. 7kg, AC adapter Approx. 0.5kg	
Maximum loa	nd capacity	Less than 150kg	
Ambient	When operating	0°C~+40°C	
temperature	When not operating	-20°C~+60°C	
Ambient	When operating	20~80% (No condensation)	
humidty	When not operating	5~95% (No condensation)	
Ambient atmosphere		Corrosive gas must not be present.	
Safety function		Pinch protection*1	

^{*1} Pinch protection is the function to stop the movement when noticed the foreign material other than film during sealing movement. Do not put your hand or body into the toilet.

These specifications may be modified without prior notice.

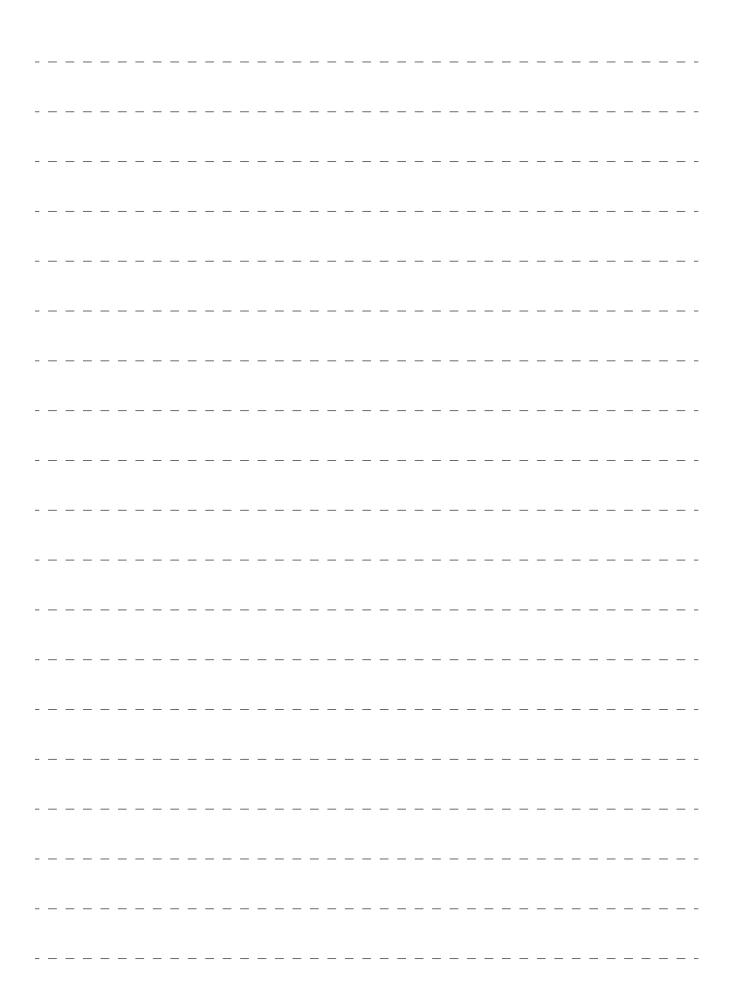
Wrappon Product Warranty & Free Replacement Policy

The warranty is valid for one year from the purchase date.

- 1. If the product malfunctions under normal use as per the user manual during the warranty period, we will provide free maintenance support. If a replacement is necessary after inspection, we will replace the product free of charge.
- 2. For maintenance support, please contact the dealer where you purchased the product.
- 3. The warranty does not cover:
 - Damage from improper handling, transportation, or dropping after purchase.
 - Damage from fire, natural disasters, or abnormal voltage.
 - Issues caused by external factors unrelated to the product.
 - Unauthorized repairs or modifications.
 - Improper use not following the user manual.
 - Damage or contamination of accessories and consumables.
 - Issues caused by incorrect power supply or fluctuations.
- 4. For maintenance inspection, if the product is deemed eligible for free replacement, the original product will not be returned to the customer.

^{*}This warranty is only valid within the United States and Canada.

MEMO









Wrappon Division, Nihon Safety Co., Ltd. 11F, Ichibancho Tokyu Bldg. 21 Ichibancho, Chiyoda-ku, Tokyo 102-0082 JAPAN Phone: +81-3-6369-2223

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Agent