

User Manual



Advanced Clean 100

Models:

297AA204-291

Advanced Clean 100 Combo

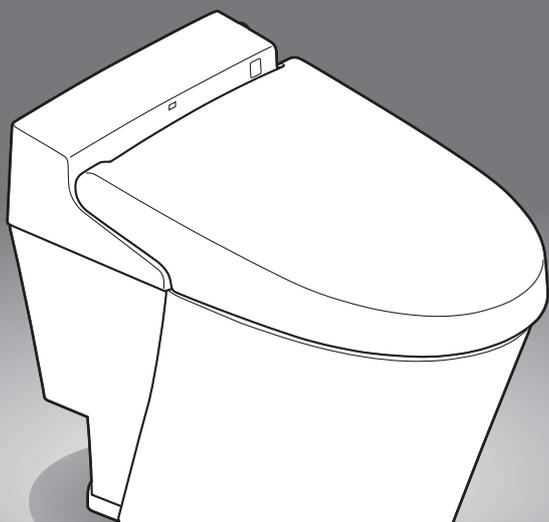
3970A101-291

Advanced Clean 100 Bowl

8017A60GRC-291

Advanced Clean 100 Seat

This product is designed so that people such as elderly persons, persons with limited mobility persons with illnesses, and children can use it without assistance. To ensure proper usage of this product, please read this "User Manual" before using this product.



Thank you for purchasing this product. After reading this manual, keep it in a place where you can refer to it easily.

❖ Be sure to follow the safety precautions.

Failure to follow the warning and cautions described on pages 1 - 5 may result in serious accidents under some circumstances.

Each of these items is extremely important for safety, and should be strictly observed.

In the event that an accident occurs as a result of improper usage, our company will assume no responsibility for damages.

When moving to another home, make sure to provide this document to the new tenant/owner.



7302386-100
7302386-100

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BE SURE TO FOLLOW THE IMPORTANT SAFEGUARDS

Failure to follow the **IMPORTANT SAFEGUARDS** may result in serious accidents in some circumstances.

Each of these items is extremely important for safety and should be strictly observed.

In the event that an accident occurs as a result of improper usage, American Standard will assume no responsibility for damages.

This product is assumed to be used by persons, such as elderly persons, persons with limited mobility or illness and children.

This product usage includes direct contact with the skin. To ensure proper usage of this product, please read the manual carefully before using it.

IMPORTANT SAFEGUARDS

READ ALL INSTRUCTIONS BEFORE USING

When using the product - especially in the presence of children - you should always observe the following safety instructions.

Cannot be held liable for damages that are the result of disregarding these instructions.

In order to illustrate varying degrees of severity, the following terms are used:

DANGER

Denotes an immediately hazardous situation, which may result in death or severe injury if not prevented.

WARNING

Denotes a potentially hazardous situation, which may result in death or severe injury if not prevented.

CAUTION

Denotes a potentially hazardous situation, that may result in mild to moderate injuries and/or damages to the product and/or other items and property if not prevented.



DANGER

Risk of electric shock (risk of death!):



Improper connection of the power plug or socket can result in a risk of electric shock.



Do not install this product in a wet or damp location, such as inside a shower room or steam room, as this may lead to electric shock or fire.



Do not pour water or cleaning agents into or onto the back housing where electronics are stored. It could cause electric shock or fires.



Do not use while bathing.



Do not place or store product where it can fall or be pulled into a tub or sink.



Do not place in or drop into water or other liquid.



Do not reach for a product that has fallen into water. Unplug immediately.



WARNING

Risk of burns, electric shock, fires and/or personal injury:



The device must be disconnected from the power supply for any and all installation and maintenance work and for repairs.

This also applies in the event that you find damages on the power supply line or on the product itself.

Please ensure this by

- setting the fuses (Breakers) of the electrical installation into the off position or
- by completely removing the screw-in fuses of the electrical installation or
- by completely pulling the power plug (if any) out of the wall socket.

When doing so, do not pull on the cord, but pull on the power plug instead.



Do not connect or disconnect the power plug with wet hands, as this may cause electric shock.



Hold the power plug when connecting or disconnecting it. If you hold the cord, the plug or cord may be damaged, resulting in electric shock or fire.



Disconnect the power plug periodically and clean it with a dry cloth, as dust accumulated on the power plug may cause fire



This product should only be connected to AC120V. Do not use an extension cord or any other kind of adapter to connect this product to an outlet.



Completely insert the power plug into the electrical outlet, as failure to do so may cause electric shock or fire.



Do not use a loose outlet, as this may cause electric shock or fire.



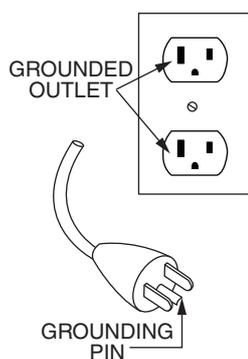
Connect this product to a properly grounded outlet only. See Grounding Instructions.

BE SURE TO FOLLOW THE IMPORTANT SAFEGUARDS



GROUNDING INSTRUCTIONS:

This product should be grounded in the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This product is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.



DANGER

Improper use of the grounding plug can result in a risk of electric shock.



If repair or replacement of the cord or plug is necessary, do not connect the grounding wire to either flat blade terminal. The wire with insulation having an outer surface that is green with or without yellow stripes is the grounding wire.

This product is factory equipped with a specific electric cord and plug to permit connection to a proper electric circuit. Make sure that the product is connected to an outlet having the same configuration as the plug. No adapter should be used with this product. Do not modify the plug provided-if it will not fit the outlet, have the proper outlet installed by a qualified electrician. If the product must be reconnected for use on a different type of electric circuit, the reconnection should be made by qualified service personnel.



Never use while sleeping or drowsy.



WARNING

Risk of burns, electric shock, fires and/or personal injury:



If the SpaLet® seat is used for a long period of time without setting the seat temperature to "OFF", the user may suffer a low-temperature burn. These precautions should especially be observed when any of the following use the SpaLet.

- Children
- Elderly persons
- Persons with an illness
- Persons with sensitive skin
- Persons on medication that may cause drowsiness
- Persons who are under the influence of alcohol
- Persons who are suffering from exhaustion



Check the temperature settings of the water and the dryer air before each use. Set the air dryer temperature to the lowest level if you intend to use this feature for a prolonged period of time. There is a risk of burns, if this feature is used for a prolonged period of time at high temperature settings. This applies particularly to the following people: children, the elderly, ill persons, persons with sensitive skin and those under the influence of alcohol and overly tired people.



Do not use outdoors and do not operate in a space where aerosol spray is used or concentrated oxygen is being administered. It may cause a malfunction or loss of glossiness.



Make sure that no items or foreign objects obstruct any openings (air outlets, hoses, etc.). Remove any obstructions immediately to prevent possible hazards and damages.



Observe the following instructions if you are using batteries.

- Make sure to use the right poles (+ /-) when inserting the batteries.
- Remove the batteries from the remote control if you won't use the SpaLet for an extended period of time.
- Do not leave expired batteries inside the remote control, as they can corrode which could cause damages to your health or the remote control.
- Batteries do not belong in the household waste! Discard batteries in compliance with your local regulations. Battery leakage may cause fire.
- Keep batteries away from children. Batteries are not toys. Contact a physician immediately in the event of a battery being swallowed accidentally.
- If your skin comes into contact with the liquid inside a battery, rinse immediately with copious amounts of water.
- If spilled battery fluid comes into contact with the eyes, immediately rinse with clean water without rubbing. The liquid can cause blindness. Talk to a doctor.

BE SURE TO FOLLOW THE IMPORTANT SAFEGUARDS



Be mindful of the following when handling batteries:

- Do not store batteries carelessly together with other metal objects (necklaces, hair pins etc.).
- Please do not mix new and old batteries, but remove both batteries at the same time as they will discharge otherwise. Only use batteries of the same type.
- Do not recharge batteries, short them, open or damage them by force and do not bring them into contact with fire, water or high temperatures. They could otherwise explode or leak and thereby cause damages.



Do not try to open or repair the SpaLet® on your own. Do not make modifications or install additional items. The SpaLet contains energized power lines. Upon being opened, there is a risk to your life! Repairs must only be performed with original replacement parts and accessories by certified electrician. Improper installation and maintenance work or repairs can create substantial hazards to the user.



Do not use near electronics and medical equipment with a weak signal. There is a danger that electrical malfunction may cause an accident.



Use this product only for its intended use as described in the manual. Do not use attachments not recommended by the manufacturer.



If water leaks from the SpaLet seat or the water supply line, disconnect the SpaLet from the power supply and close the water cutout valve. There is a risk of electric shock, fire and flooding.



If there is any indication of damages to the SpaLet, disconnect immediately from the power supply and contact the customer service.



This product should only be connected to a potable water supply line. Failure to do so will cause problems in the operation.



Keep the power supply cord away from heated surfaces. (e.g. surface radiators)



If there is a possibility of water freezing in the SpaLet, be sure to employ the "If SpaLet Will Not Be Used For Extended Period" procedure. Damage due to freezing may cause fire or flooding.



CAUTION

Risk of minor injuries and property damage:



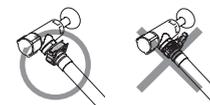
For care of the plastic parts, use a mild detergent. There is a danger of electric shock, fire and/or injury due to damage to the plastic parts.



Do not use chlorine-based detergent, acidic detergent, or disinfectant for cleaning the ceramic parts. It may cause malfunction and damage due to the vaporized gas.



Make sure that the clamp ring is placed firmly onto the water supply hose. There is a risk of water spilling if the hose slips from the untightened clip.



Do not supply with water other than potable water. It may cause electric shock, fire and skin inflammation due corrosion of electronic parts inside the seat unit.



Do not stand on the lid or lean on the SpaLet seat. There is a risk of injury and damages to the device.



Keep flame sources away from the product. There is a risk of fire damage.



If you identify damage on the SpaLet seat, do not touch or plug in the SpaLet, do not touch these areas as there is a risk of personal injury. Contact Customer Service.

BE SURE TO FOLLOW THE IMPORTANT SAFEGUARDS

 Do not supply the SpaLet® with a hot water, or do not expose the SpaLet to any impact. There is a risk of injury from damaged parts. There is a danger of damage or water leakage

 Regularly inspect the device for visible damages. Damages on the device can pose a risk to your safety. Never switch on a damaged device.

 If you will not be using this product for a long time, close the water shutoff valve and drain the water from the SpaLet, and then, turn off the power at the power breaker or disconnect the power plug from the outlet. There is a danger of fire or flooding due to freeze damage. There is a danger of skin inflammation due to dirty water.

 When the device is used by children, the elderly or persons with mobility impairments you must ensure that they won't fall off. There is a risk of injury and damages to the device.

 The on-site electrical installation and connecting the device to the power mains must only be performed by authorized and qualified electricians, who are well versed in the locally applicable regulations and supplemental requirements and know the requirements of the local utility providers extensively. Improper installation and maintenance work or repairs can create substantial hazards to the user, for which we cannot be held liable.

 Do not apply impact to the clip ring or pull it when cleaning the SpaLet, as the clip ring may break and the water supply hose may come off, resulting in flooding.



 Turn off the power at the power breaker or disconnect the power plug from the outlet when cleaning. Failure to do so may cause electric shock. (Ensure the power is turned on when using the nozzle cleaning function.)

 This product is not intended to be used by children aged under 8 years old, persons with physical and/or mental disabilities, or persons lacking experiences and knowledge without the supervisions and instructions of the person responsible for the safety and understands possible hazards.

 Children shall not play with the product.

 Do not bend or crush the water supply hose, as this may result in water leakage and flooding.

 Note the following when using the strainer. If foreign materials are attached to the O-ring, it may cause flooding due to water leakage.

- Close the water shutoff valve when removing the strainer.
- When installing the strainer, tighten it fully so there is no gap.
- Check that the O-ring is free from foreign materials when attaching it.

SAVE THESE INSTRUCTIONS

PRECAUTIONS FOR PREVENTING FAILURE

HANDLING PRECAUTIONS

Do not expose the SpaLet® to direct sunlight. It can cause discoloration of the plastic parts. Direct sunlight can furthermore lead to the remote control and the sensor not working properly.



Do not open and close the SpaLet seat or lid roughly. It may cause malfunction of auto open/close, cracking or electrical leakage.



Do not pour water or cleaning agents onto the remote control. It could cause it to malfunction.



Never block the air openings of the product. It may cause malfunction.



Do not use electrical heaters in the vicinity of the SpaLet. It could cause discoloration of the plastic parts or fire.



Do not use any paper other than toilet paper. Be careful not to drop any foreign materials in the bowl, as they may clog the drain pipe. If you drop, pick it up before flushing.



If the SpaLet should become clogged, use a plunger to remove the clogging. Do not flush the SpaLet and do not fill water into it by other means (e.g. with a bucket) until the clogging is removed. Waste water spilling over constitutes a risk of electric shock and damages to the device (electronic components inside the SpaLet seat can get damaged).



Do not operate the remote control with wet hands. It could cause it to malfunction.

Do not wipe the toilet body, toilet seat or other plastic parts with a dry cloth or toilet paper. Refer to page 33 for details on maintenance.

* Doing so may cause scratchin or the parts to lose their gloss.

A single flush may not be sufficient depending on the size, amount or weight of the waste and the amount and type of toilet paper.

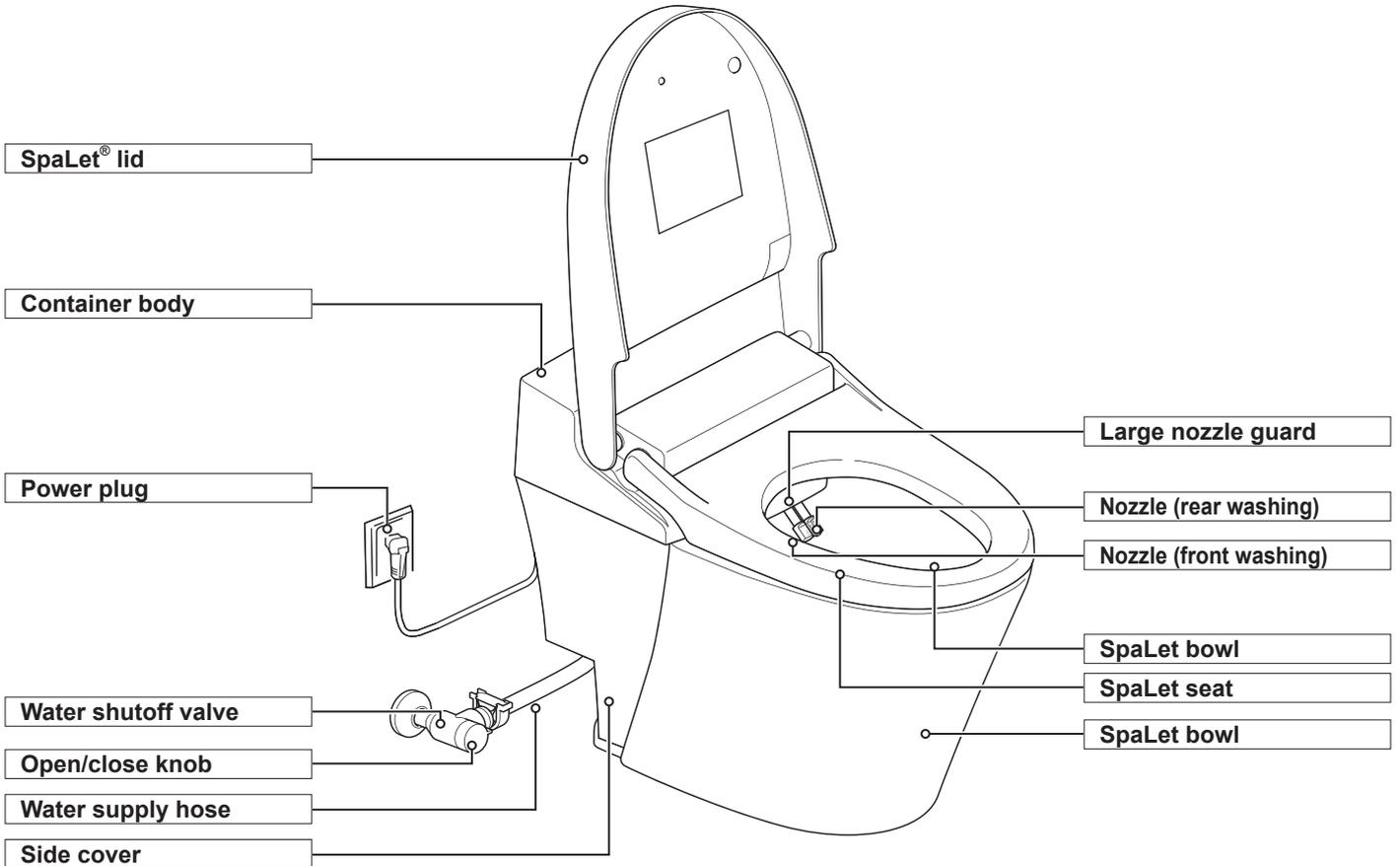
A full flush corresponds to approximately 5 m/16.5' of toilet paper.

Refer to JIS standards for more information on toilet papers amounts.

A single flush may not be sufficient for barium and other heavy substances that are not water soluble. In such situations, break down barium or other debris remaining in the toilet bowl with a toilet brush and flush several times.

Advanced Clean 100 Features

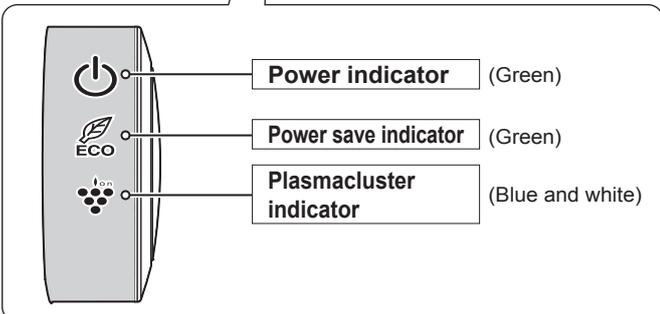
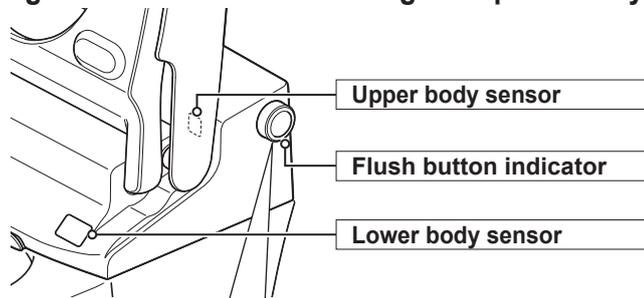
Overview



- * Operation can only be performed with the remote control however, a FLUSH button on side of the unit will also flush the SpaLet.
- * The 297AA204 model is illustrated in the figure.

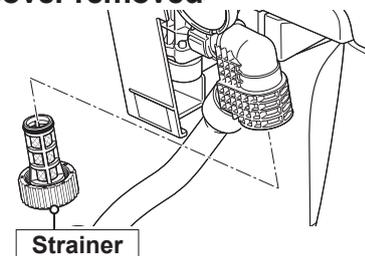
Flush button (indicator/receiver)

<Right side as seen when facing the SpaLet body>



Strainer

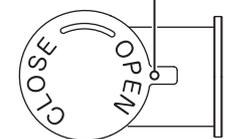
<Left view with the side cover removed>



- * The strainer removes material in the tap water.
- * Make sure to close the water shutoff valve before removing the strainer. Place a towel underneath the strainer as a small amount of water will spill when removed. (👉 Page 43)

Water shutoff valve

Open/close knob

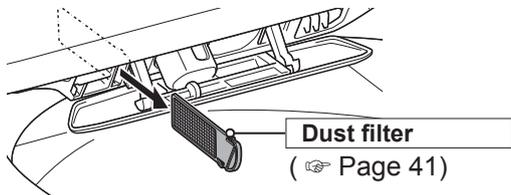


- * The open/close knob of the water shutoff valve shuts off the flow of washing water to the SpaLet bowl. Make sure this valve is fully open when using the SpaLet.

Preparation and Checks Before Use

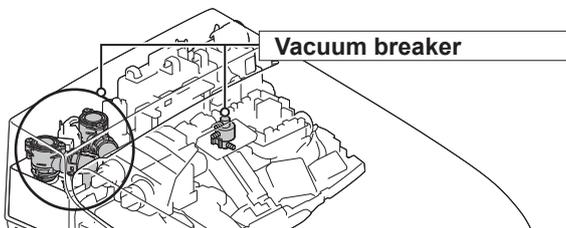
Deodorizing filter

<Inside the nozzle shutter>



* The figure illustrates an open nozzle shutter.
(Page 39)

Vacuum breaker



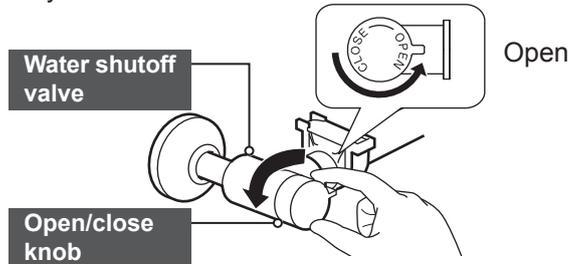
* The vacuum breaker is located in the SpaLet® body. Check the vacuum breaker on a regular basis.

STEP

1

Open the Water Shutoff Valve

- * If the water shutoff valve is closed, turn it counterclockwise to open.
- * If the open/close knob is difficult to turn, grasp it with a dry cloth and turn.

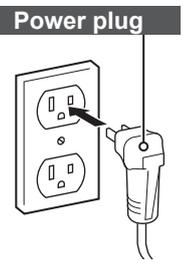


STEP

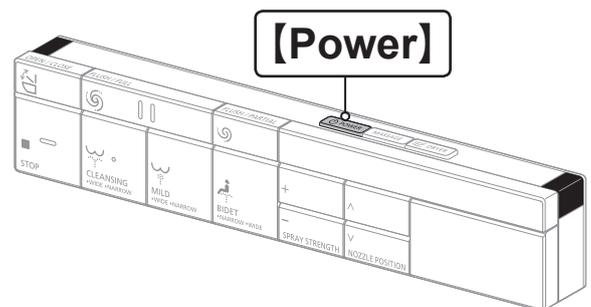
2

Connect the Power

- Insert the power plug into a 120 VAC outlet.



- * Check that the power indicator LED on the power indicator is green.
If the power indicator is not green, press the [Power] button on the remote control.



Please Read This First

⚠ WARNING



PROHIBITED

- Only 120 VAC outlets must be used.
- Do not connect too many cords to a single electrical outlet.
- * Doing so may cause fire.

[CAUTION]

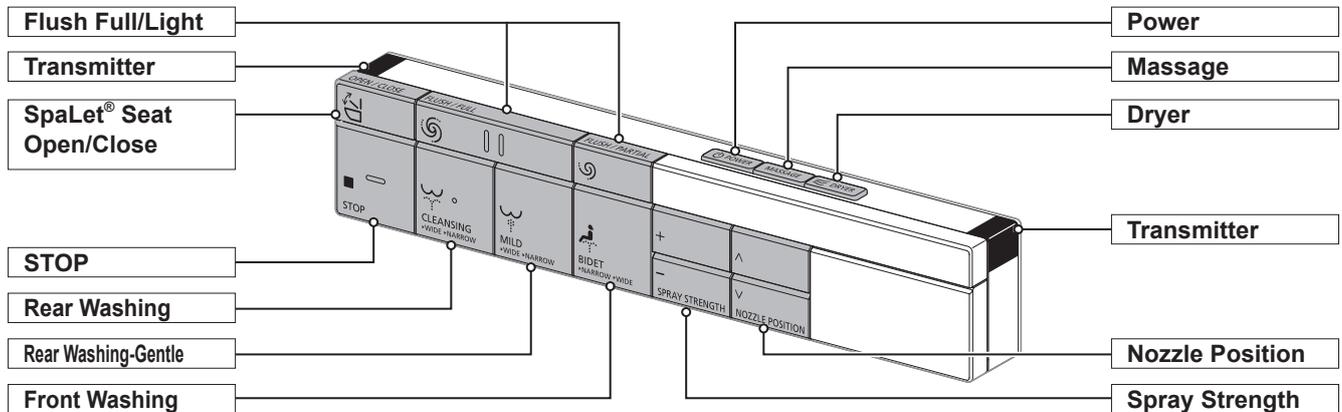
- Wait about 10 seconds before reconnecting the power plug.

Preparation and Checks Before Use

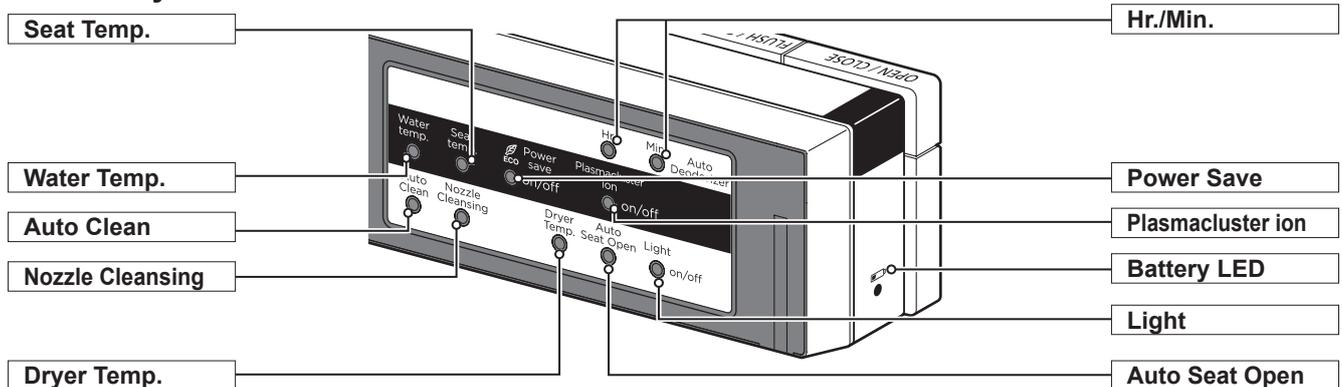
Remote Control

*Depending on the model, functions indicated by a star symbol may not be available.

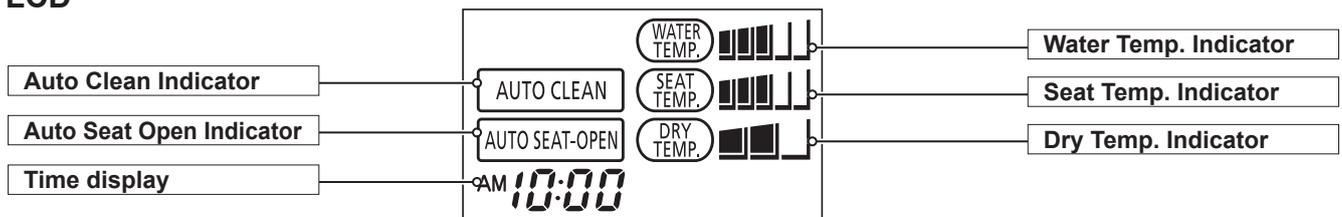
1. Main Control Panel



2. Secondary Control Panel



3. LCD



[CAUTION]

- Control panel switches other than [STOP] cannot be used when the control panel is removed from the holder. Use the SpaLet with the control panel set into the holder.
- Do not operate the remote control with wet hands.
 - * Doing so may cause malfunction.
- To use the secondary panel, face the transmitter towards the upper body sensor. (☞ Page 6)
 - * Operation sometimes may not occur as expected due to unreceived signals.

(Reference)

- When power is turned off with the remote control power button, "OFF" is displayed on the LCD.

STEP

3

Press the [Flush Full] Button or Press the Flush Button on the SpaLet Body

* Check that water is flushed out of the SpaLet bowl.

Preparation and Checks Before Use

STEP

4

Operate the Nozzle Spray

* The nozzle spray will not function while the SpaLet® is flushing. Operate the nozzle spray after the SpaLet has finished flushing.

1 Roll up your sleeve and set your arm on the SpaLet seat.

* The SpaLet is equipped with a seat sensor that detects the presence of someone sitting on the SpaLet seat. The nozzle spray and dryer will not function if the sensor is not triggered.

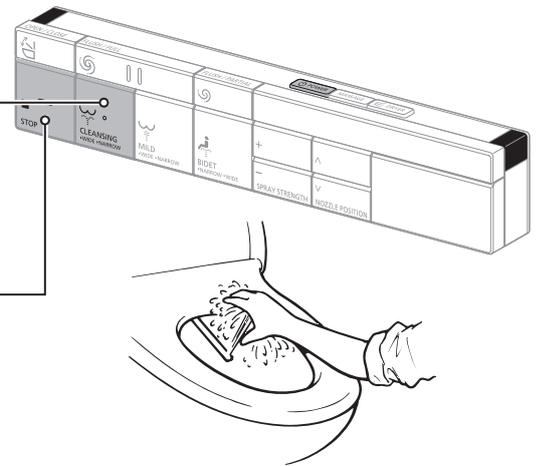
* Allow the nozzle spray to operate for approximately 30 seconds to bleed air in the water line during initial use.

2 Press the [Cleansing (Full)] button.

* At this time, water will discharge from around the nozzle as a preliminary operation.

3 Place a hand above the nozzle tip to block the sprayed water.

4 Press the [STOP] button to stop the nozzle spray.



STEP

5

Adjust the Seat Temperature

• Change the temperature

* Press the corresponding switch to change the different temperatures.

Water Temp.

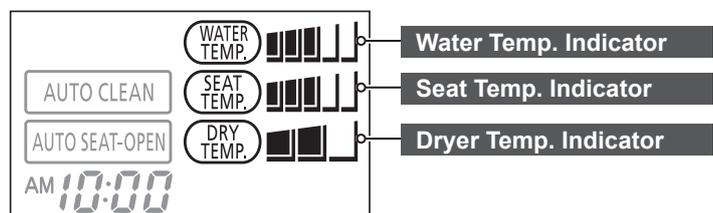
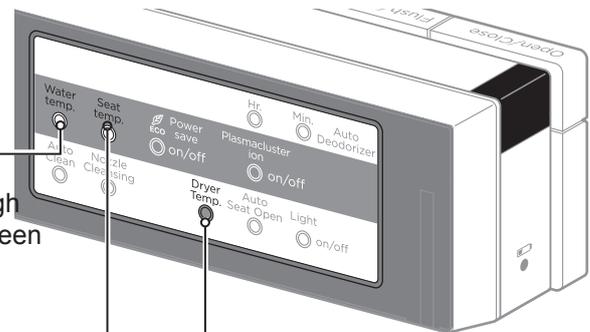
* There are 6 levels of water temperature available including "Off", "Low (approximately 32°C/89.6°F)", "High (approximately 40°C/104°F)", and the other levels between low and high. Select your temperature preference in accordance with the season.

Seat Temp.

* There are 6 levels of seat temperature available including "Off", "Low (approximately 28°C/82.4°F)", "High (approximately 36°C/96.8°F)", and the other levels between low and high. Select your temperature preference in accordance with the season.

Dryer Temp.

* There are 3 levels of drying temperature available including "Low", "Medium", and "High". (👉 Page 16)



Preparation and Checks Before Use

⚠ WARNING



OBSERVE

Be sure to set the seat temperature to the "OFF" setting when the SpaLet® will be used by the following types of users.

- Children
- Elderly persons
- Persons with illness
- Persons with limited mobility
- Persons with sensitive skin
- Persons who are taking medication that causes drowsiness
- Persons who are under the influence of alcohol
- Persons who are suffering from exhaustion

* Using the SpaLet for an extended period of time without turning off the seat heater may result in low-temperature burns.

(Reference)

- The SpaLet seat does not warm immediately. The seat heater should be turned on 10 to 15 minutes before use to ensure the desired temperature is reached for comfortable use.
- This SpaLet is equipped with a seat heater auto off function that automatically turns off the seat heater when the SpaLet is in use to prevent low-temperature burns. (☞ Page 23)
- The maximum seat temperature is 36°C/96.8°F for energy-saving purposes. The seat may feel cool depending on the usage environment.

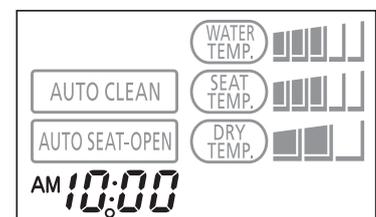
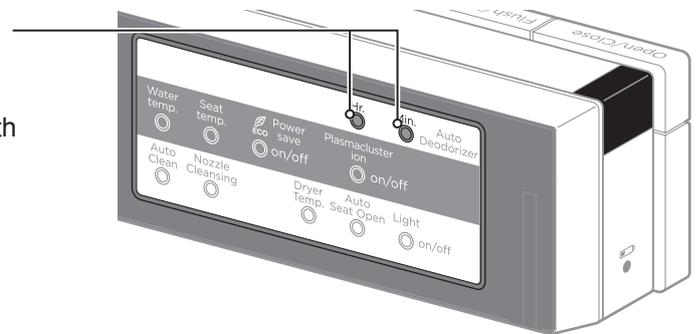
STEP

6

Adjust the Clock

- Press the [Hr.] and [Min.] buttons to adjust the time.

* Make sure that time is configured correctly with regards to AM and PM.



Time display

Please Read This First

Functions

Washing			297AA204
Bowl cleaning	👉 19	Reduces odors using plasmacluster ions.	○
Power stream washing	–	Provides a strong water stream for powerful washing.	○
Nozzle shutter	👉 41	Stores the nozzle when not in use. Removable for easy cleaning.	○ ----- Clean nozzle shutter
Cleaning nozzle manually	👉 39	Ejects the nozzle for easy cleaning.	○
Nozzle cleansing	👉 38	Clean the nozzle with just the touch of a button.	○
Easy-clean seat	–	No gaps at joints on the SpaLet® seat allows for easy easy cleaning.	○
Female nozzle	–	Bidet nozzle for women.	○
Self-cleaning nozzle	👉 15	Thoroughly rinses the nozzle with warm water before and after use.	○
One-touch SpaLet lid removal	👉 36	The SpaLet lid is easily removed for cleaning.	○

Power-saving functions			297AA204
Improved energy-conserving SpaLet seat	–	Retains SpaLet seat heat to save energy.	○
Advanced power save	👉 21	Seat temperature is automatically lowered when the SpaLet is not in use to save energy.	○
One-touch power save	👉 21	Turn off the heater for a specified time to save energy with just the touch of a button.	○ ----- (8 hours)
Power button	–	SpaLet can be manually powered down to save energy.	○

Washing functions			297AA204
Rear washing	👉 14 to 15	Provides rear washing with warm water.	○ ----- Cleansing (full)/(partial)
Oscillating rear washing	👉 14 to 15	Moves the nozzle back and forth to wash at a wider range.	○
Super oscillating rear washing	👉 14 to 15	Moves the nozzle back and forth rapidly to provide a massaging effect.	○
Rear massage cleaning	👉 15	Alternates the water pressure between two levels to provide a massaging effect.	○
Front washing	👉 14 to 15	Provides a low-pressure stream of water for gentle washing.	○
Wide front washing	👉 14 to 15	Moves the nozzle back and forth to provide a gentle wash at a wider range.	○ ----- Oscillating spray - super
Nozzle position adjustment	👉 15	Moves the nozzle to the desired position.	○

Functions

○ : Available — : Not available

Comfort functions			297AA204
Room Refresh	☞ 20	Removes odors via synergistic effects of plasmacluster ions and deodorizer.	○
Change the open/close mode for auto seat open	☞ 13, 18	Standing in front of the SpaLet® bowl causes the SpaLet lid to automatically open. Stepping away causes the SpaLet lid to automatically close.	○
Night Light	☞ 22	Illuminates the area at the base of the SpaLet and the inside of the SpaLet bowl. Useful when using the SpaLet at night.	○
Full auto washing (remote control flushing)	☞ 17	Automatically flushes the SpaLet when standing up from the SpaLet seat.	○ ----- Function provided for urinal use by males
Warm Air Drying	☞ 16	Dries off your rear with warm air.	○
Air shield deodorizer	☞ 13	Uses air to provide power deodorizing effects for the entire SpaLet bowl.	○
Seat heating	☞ 9	Provides seating comfort on cold days.	○
Slow Close SpaLet seat	—	Closes the SpaLet seat slowly.	○
Seat heater auto off	☞ 23	Turns off the heater once someone is sitting on the SpaLet seat. Prevents low-temperature burns.	○
Seat sensor	☞ 25	Prevents inadvertent operation when there is no one on the SpaLet seat.	○
Remote Control	—	Remote control with a metal look.	○
Power outage support	☞ 28	Provides security during power outages.	○

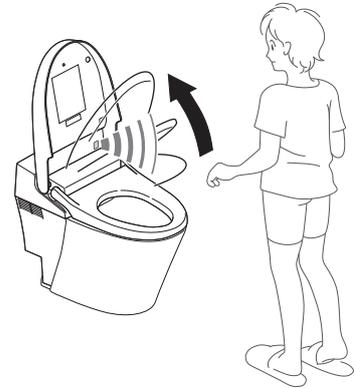
General Operation

STEP

1

Standing in front of the SpaLet® bowl automatically opens the SpaLet lid

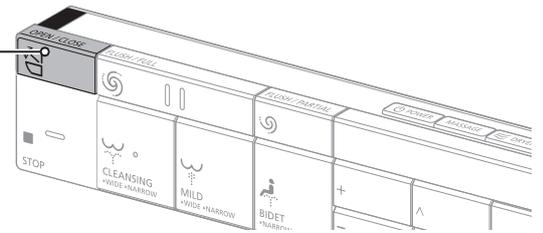
- * This is turned on by default.
- * If the seat sensor does not trigger after the SpaLet lid opens independently, the SpaLet lid closes automatically after approximately 3 minutes.
- * The upper body sensor detects changes in heat (person's movement) and automatically opens the SpaLet lid. Leaving the SpaLet lid open may cause the SpaLet to detect people passing in front of the SpaLet.
- * The SpaLet lid will not open automatically for approximately 1 minute after plugging the power plug into an outlet. This is to prevent sudden operation due to incorrect sensor detection.
- * The SpaLet lid will not open for 10 seconds after having been closed manually.



Using the remote control to open and close the SpaLet seat

Press the [Open/Close] button.

- * The SpaLet seat will open or close each time the [Open/Close] button is pressed.



(Reference)

- If the room temperature exceeds 30°C/86°F, such as in summer, the sensor may have difficulty detecting people. Make sure that there is adequate ventilation in the bathroom, or try moving your body.
- Auto Seat Open can be turned off. (☞ Page 23)
 - * Turn off [Auto Seat Open] before allowing small children to use the SpaLet. In very rare occasions, the seat sensor may not trigger causing the SpaLet lid to close during use.
- This SpaLet is equipped with a function to open both the SpaLet seat and SpaLet lid together at the same time. (☞ Page 23)

[CAUTION]

- If direct sunlight reaches the sensor, or heaters or lighting equipment that emit strong heat are installed in the bathroom, the sensor may detect incorrectly due to the heat, and the SpaLet lid may open automatically. Make sure that direct sunlight does not reach the sensor, or try changing the orientation of heaters or lighting equipment.
- Gently move the SpaLet lid without applying excessive force to open or close it manually.
 - * Applying excessive force may cause damage.
- Using unsuitable cloth covers may cause the SpaLet seat or SpaLet lid not to open automatically or some other malfunction.

STEP

2

Air Shield Function

1 The deodorizing process starts when a user sits down on the SpaLet.

The deodorizer fan activates to clear odor from inside the SpaLet bowl.

2 The deodorizing process stops once a user stands up.

The deodorizer fan stops automatically 1 minute after standing up.



(Reference)

- The automatic deodorizing function can be turned off. (☞ Page 23)

General Operation

STEP

3 Front and Rear Washing

Rear Washing - Mild ▶ Oscillating Spray ▶ Super Oscillating Spray

Front Washing ▶ Wide Washing ▶ Oscillating Spray - Super

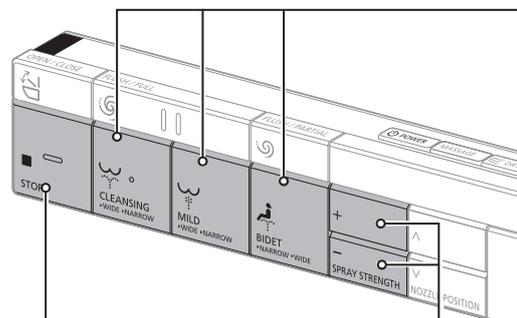
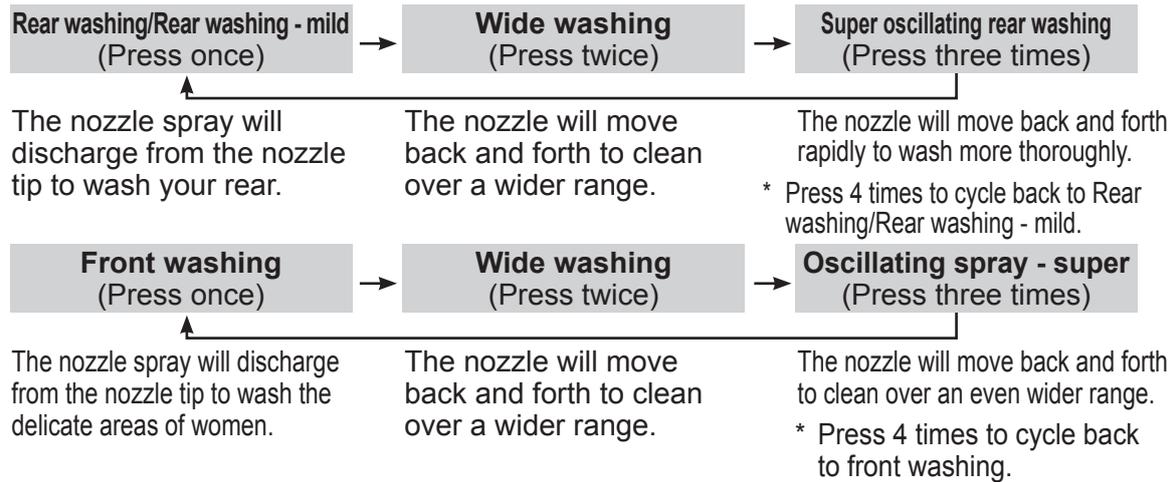
1 Press the [Cleansing (Full)], [Cleansing (Partial)], or [Bidet] button.

Rear washing functions wash any waste still remaining after a bowel movement.

Rear washing : Sprays water to wash

Rear washing - mild : Sprays water with less pressure for a more gentle wash

Front washing functions wash any waste remaining during menstrual cycles or other circumstances. Keep washing times between 10 to 20 seconds.



3 Press the [STOP] button to stop operation.

* This SpaLet® is equipped with an auto-stop function so that rear washing and rear washing - mild operation stops automatically after 2 minutes. Note that operation can be extended by an additional 2 minutes when other operations are performed while washing operations are ongoing, such as the massage and oscillating spray functions, for a total of 6 minutes maximum of washing before automatically stopping.

2 Press the [+] or [-] sides of the Spray Strength button to adjust the spray strength.

* There are 6 levels of spray strength available. Start with a low setting and then gradually increase the strength until the desired pressure is reached.
* To increase pressure: Press the [+] side of the button. To decrease pressure: Press the [-] side of the button.

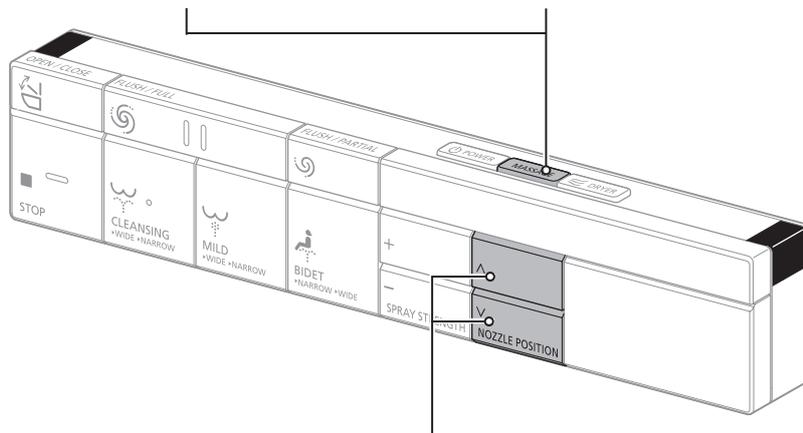
General Operation

Message Washing

Water pressure varies between a stronger and weaker pressure during rear washing or rear washing - mild operation to provide a massaging effect during the wash.

- * The massage function does not operate during front washing operation.
- * The massaging effect will be felt differently by each person.

- 1 Press the [Message] button during rear washing or rear washing - mild operation.
- 2 Press the [Message] button again to stop the message operation.

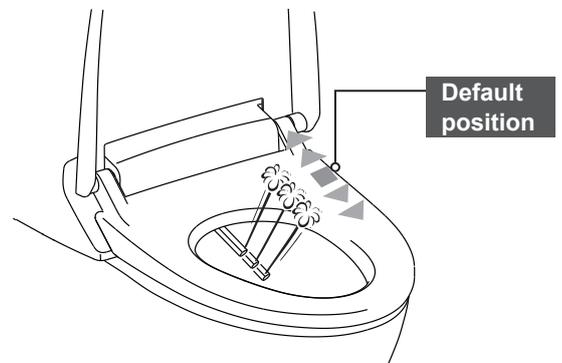


Nozzle Position

The nozzle position can be adjusted back and forth during rear washing or washing - mild operation.

- Press the "▲" or "▼" sides of the Nozzle Position button.

- * There are 5 nozzle positions available.
- * These positions include the default position, two front positions, and two rear positions.
- * The position resets to the default position when standing up from the SpaLet® seat.
- * To move the nozzle position forward: "▲"
- To move the nozzle position rearward: "▼"



❖ Self-cleaning nozzle

This SpaLet is equipped with a self-cleaning nozzle function that automatically washes the nozzle before and after shower use.

❖ Water discharges from a point near the nozzle tip

When sitting on the SpaLet or pressing any shower button, water discharges from a point near the nozzle tip in preparation to spray warm water. It may take some time for the water to warm in cold regions or during winter.

Water discharges from a point near the nozzle tip immediately after a user sits down on the SpaLet as well as before and after washing. This is required for the function and is not indicative of a failure.

(👉 Page 27)

[CAUTION]

- The nozzle spray may weaken during winter or other times when the water temperature is significantly low.
- Sit further back on the SpaLet seat. Less water will splash if you sit further back on the seat.
- Rear washing and rear washing - mild operation will stop if the SpaLet is flushed during this operation. Rear washing and rear washing - mild functions are not available while the SpaLet is flushing.
- Do not wash or rinse for extended periods of time. Do not wash internal parts of the body.
 - * Doing so may rinse away normally present bacteria and cause an internal imbalance.
- Follow your doctor's instructions on use if you are receiving treatment or medical care for areas affected by use of this product.

General Operation

STEP

4

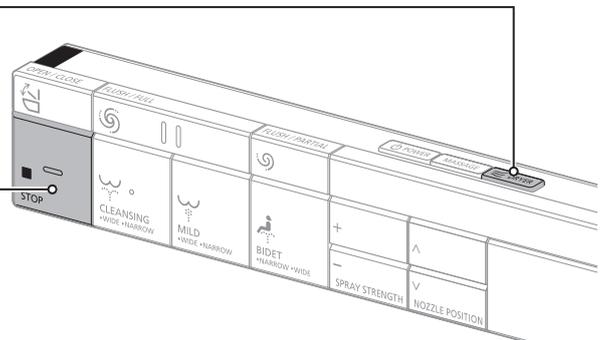
Warm Air Dryer

Warm Air Drying

Warm air is blown to dry the area washed by the nozzle spray.

* The front washing nozzle protrudes and pushes the nozzle shutter down during the warm air drying operation.

- **Press the [Dryer] button.**
 - * There are three levels of air temperature available.
 - * The deodorizer function stops temporarily during the drying operation.
- **Press the [STOP] button to stop operation.**



⚠ WARNING



OBSERVE

Be sure to set the drying temperature to the "Low" setting when the SpaLet® will be used by the following types of users.

- Children
- Elderly persons
- Persons with illness
- Persons with limited mobility
- Persons with sensitive skin
- Persons who are taking medication that causes drowsiness
- Persons who are under the influence of alcohol
- Persons who are suffering from exhaustion

* Using the dryer for an extended period of time at some other setting may result in burns.

(Reference)

- After washing, you can dry faster by wiping gently with toilet paper to remove water drops before pressing the [Dryer] button.

❖ Warm air drying

This SpaLet is equipped with an auto-stop function so that operation stops automatically after 4 minutes.

General Operation

STEP

5

Flushing the SpaLet®

Full Auto Flushing

The SpaLet automatically flushes when standing up from the SpaLet.

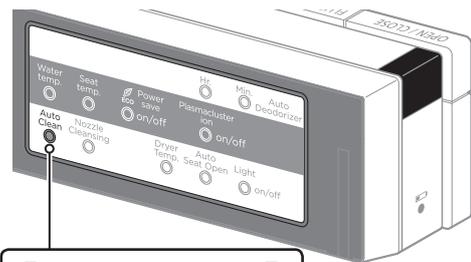
* This is set to "ON" by default.

(Reference)

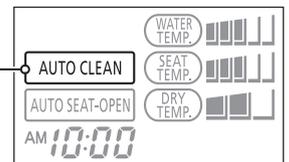
- The full auto flushing function can be turned off.

❖ Timing of flushing

The full auto flushing function will operate approximately 6 seconds after standing up from the SpaLet if the user sat down on the SpaLet for at least 10 seconds. This 6-second time can be changed to approximately 2, 10, or 15 seconds. (☞ Page 23)



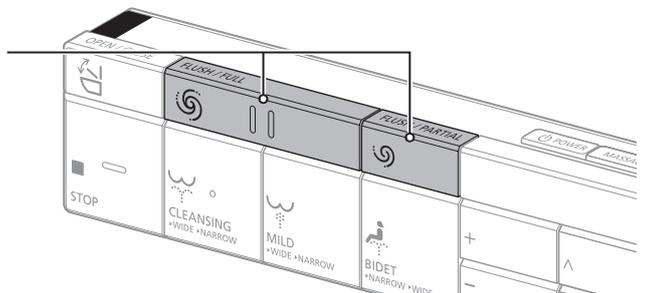
Auto Clean Indicator



Remote Control Flushing

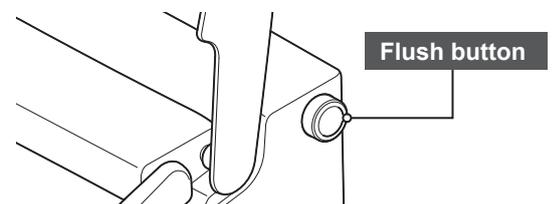
- Press the **[Flush Full]** button to perform a full flush or press the **[Flush Partial]** button to perform a partial flush.

* Pressing the **[Flush Partial]** button after a bowel movement may result in some of the waste remaining in the SpaLet bowl.



Manual Full Flushing

- Press the flush button on the SpaLet body.



[CAUTION]

- In the event of a power outage or suspended water supply, flush the SpaLet as described in "Flushing the SpaLet Manually." (☞ Page 28)
- When too much toilet paper is used, paper may not be flushed completely when the [FLUSH/PARTIAL] button is used. Use the [FLUSH/FULL] button on the remote control or use the flush lever to perform a full flush.
- Confirm the "Troubleshooting" section if the flow of water is poor or sewage often remains. (☞ Page 50)

❖ Male users

If a male stands in front of the SpaLet with the SpaLet seat open for at least 6 seconds and the auto seat open function is turned on, a partial flush will be automatically performed 1 minute after stepping away from the SpaLet. Note that if the user closes the SpaLet seat before leaving, full auto flushing is not performed.

❖ Differentiation between full flushing and partial flushing

The full auto flushing function performs a full flush if the user sat on the SpaLet for at least 50 seconds and performs a partial flush if the user sat on the SpaLet for less than 50 seconds. Note that if the rear washing or rear washing - mild function was used, a full flush will be performed regardless of the seated time.

General Operation

STEP

6

Auto Close Function



- * The SpaLet® lid closes approximately 1 minute after stepping away from the SpaLet. The SpaLet lid will not close if the auto seat open function is turned off.
- * If the SpaLet seat lid is closed manually, the user detection sensor will not function for approximately 10 seconds. This is to prevent the SpaLet lid repeatedly opening when the user leaves.
- * The upper body sensor detects changes in heat (person's movement) and automatically opens and closes the SpaLet lid.

Leaving the SpaLet lid open may cause the SpaLet to detect people passing in front of the SpaLet.

[CAUTION]

- Do not attempt to manually stop operation or reverse the direction of movement of the SpaLet seat or SpaLet lid.
 - * Doing so will prevent the SpaLet lid and SpaLet seat open/close mechanism from operating normally, which could result in damage.

(Reference)

- Auto Seat Open can be turned off.
- This SpaLet is equipped with a function to open both the SpaLet seat and SpaLet lid together at the same time. (👉 Page 23)

Using the remote control to open and close the SpaLet seat

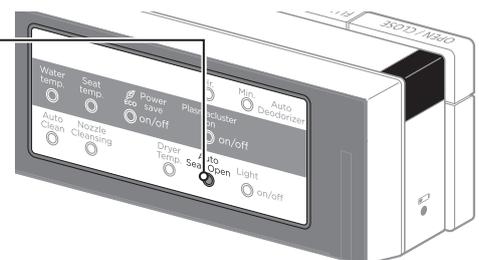
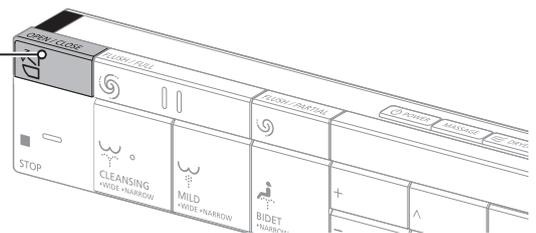
Press the [Open/Close] button.

- * The SpaLet seat will open or close each time the [Open/Close] button is pressed.

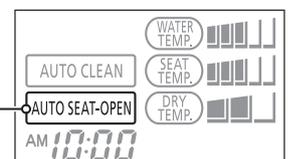
Manually Opening and Closing the SpaLet Lid

Press the [Auto Seat Open] button.

- * The SpaLet lid will automatically open and close each time the [Auto Seat Open] button is pressed.
- * The on/off state of the auto seat open function appears on the LCD.



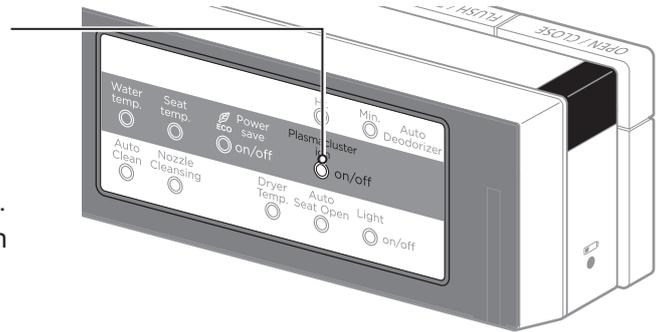
Auto Seat Open Indicator



Useful Function

● Press the [Plasmacluster ion] button.

- * Each pressing of the [Plasmacluster ion] button will cycle through the options, which include Bowl Cleaning, Bowl Cleaning + Room Refresh, and Off.
- * Refer to the Plasmacluster Ion indicator in the flush button to confirm the setting status (👉 Page 6).



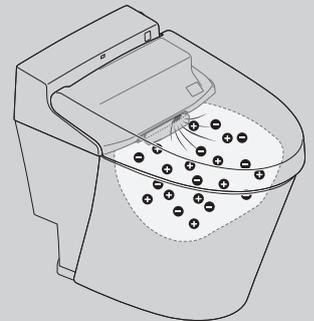
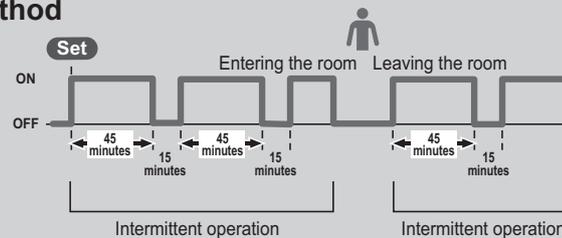
● Flush button indicator



Bowl cleaning

Both positive and negative plasmacluster ions are released into the SpaLet® bowl to help keep odors under control.

■ Bowl Cleaning operation method



- * Once bowl cleaning is enabled, the function will start to operate intermittently when the SpaLet lid is closed.
- * When the SpaLet detects the presence of someone while bowl cleaning is enabled, the function will stop temporarily.
- * When a person is detected and the SpaLet lid is opened while bowl cleaning is enabled, the SpaLet bowl will be illuminated in blue for a specified time.
- * When a person stands up from the SpaLet while bowl cleaning is enabled, the SpaLet bowl will be illuminated in blue for a specified time.
- * When the SpaLet lid is closed while bowl cleaning is enabled, the SpaLet bowl will be illuminated in blue for a specified time.
- * The function will restart intermittent operation after the user has left, or rather, after the SpaLet lid closes.

(Reference)

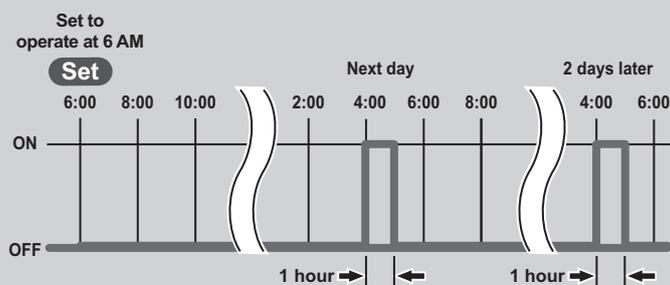
- The SpaLet emits a sound of blowing wind while bowl cleaning is operating.
- Ozone produced by the ion generator can sometimes have its own odor. The concentration is very minor and is not a health concern.
- The SpaLet lid must be closed to obtain the desired ion effect.
- Make sure that auto seat open is turned on or close the SpaLet lid manually before using this function.
- Bowl cleaning will not function if used while the SpaLet lid is removed.

Useful Function

Room Refresh

Both positive and negative plasmacluster ions are released into the SpaLet® once per day to refresh the space around the SpaLet through the synergistic effects with the deodorizer.

Room Refresh operation method



- * Once the switch is pressed, the function will begin to operate two hours before this timing, starting from the next day. Once enabled, the function will continue to operate indefinitely.
- * The SpaLet lid will open while Room Refresh is operating.
- * The function will not operate on days in which the SpaLet is in use at the time the function would normally start to operate. The function will operate at the configured time again on the next day.
- * If any other operation is performed during this process, operation stops and will not restart again for that day. The function will operate at the configured time again on the next day.

(Reference)

- The SpaLet emits a sound of blowing wind while Room Refresh is operating.
- Ozone produced by the ion generator can sometimes have its own odor. The concentration is very minor and is not a health concern.
- Make sure that auto seat open is turned on before using this function.

Useful Functions

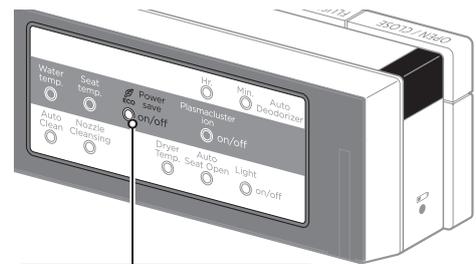
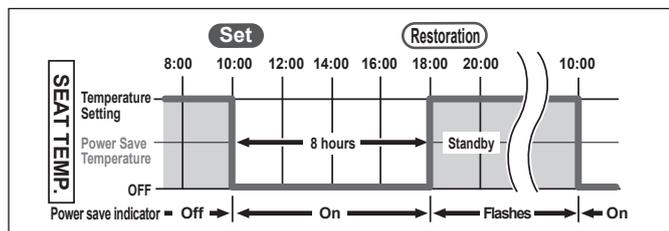
The power save function includes the one-touch power save (8 hours) option and the advanced power save (always on) option. Using one-touch power save together with advanced power save is even more effective at reducing energy consumption. This function is turned off by default.

One-touch Power Save (8 Hours)

Press this switch when the SpaLet® will not be used for an extended period of time, such as at night, to turn off the SpaLet seat heater for 8 hours and reduce power consumption. The previous settings will be restored after 8 hours elapse.

● Press the **[Power Save]** button.

- * Each pressing of the **[Power Save]** button toggles between the power-saving modes.
- * The Power Save indicator in the LCD turns on when the function is enabled.



[Power Save]

- * The one-touch power save option can be activated twice per day.
- * Once 8 hours elapse, the previous settings are automatically restored, and the Power Save indicator begins to flash.



(Reference)

- The one-touch power save setting is reset during a power outage or when the power plug has been disconnected from the outlet.

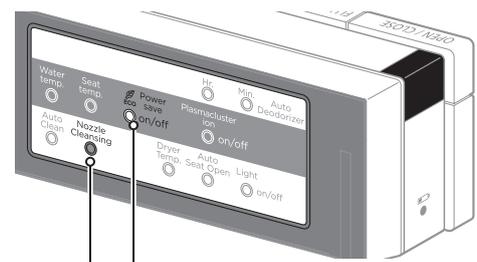
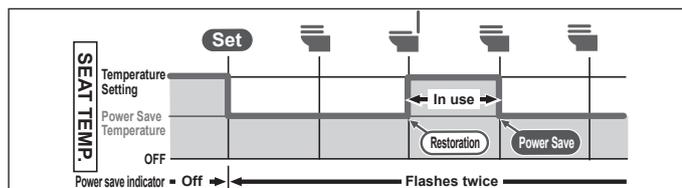
Advanced Power Save (Always On)

This function lowers the water temperature when the SpaLet is not in use to reduce power consumption.

- * Power is saved at all times while the SpaLet is not in use.

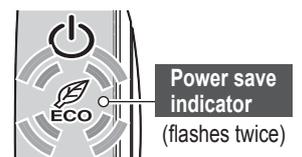
● Press and hold both the **[Power Save]** and **[Nozzle Cleansing]** buttons for at least 2 seconds.

- * The power saving mode is changed each time the **[Power Save]** and **[Nozzle Cleansing]** buttons are both pressed and held for at least 2 seconds.
- * The Power Save indicator in the LCD flashes when the function is enabled.



[Power Save] + [Nozzle Cleansing]

- * When used in combination with the one-touch power save option, the Power Save indicator on the LCD turns on while the one-touch power save option is in effect for 8 hours. The Power Save indicator flashes twice during the 16 hours of one-touch power save standby.



(Reference)

- When the power save function is activated, the water temperature is lowered, which may feel cool to the touch. In this case, cancel the power save function.
- Leaving the SpaLet seat lid closed is still an effective way to conserve power when the power save function is turned off.

Useful Functions

Night Light

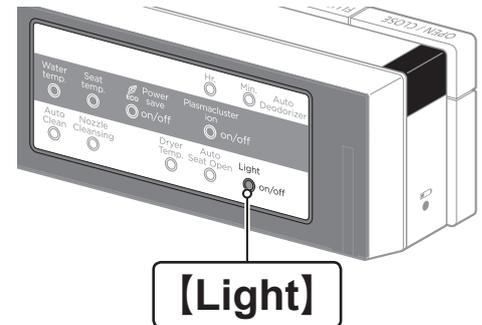
The area at the base of the SpaLet and inside of the SpaLet® bowl are illuminated when the SpaLet detects the presence of someone. The lights automatically turn off once their presence is no longer detected. This function is turned on by default.

- **Press the [Light] button.**

- * Each pressing of the [Light] button will turn the function on and off.

(Reference)

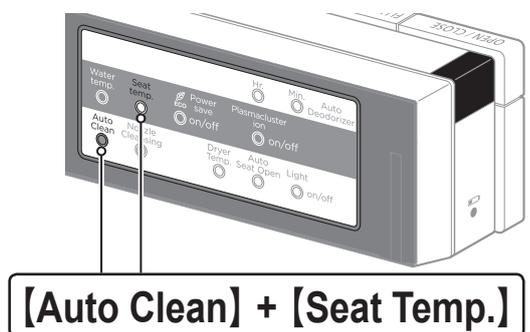
- Because this is a dim light, make sure the bathroom has a main light installed.
- The night light can cause shadows to appear in the SpaLet bowl, which may appear as waste. Turn off the night light to check. If you do not like this operation, you can configure the night light to only illuminate the area at the base of the SpaLet.
- The blue light has priority when bowl cleaning is enabled.



Permanently Turning Off the SpaLet Bowl Light

- **Press and hold both the [Auto Clean] and [Seat Temp.] buttons for at least 2 seconds.**

- * The SpaLet will emit a short tone to indicate that the setting has been changed.
 - * Repeat the procedure to reenable the light. The SpaLet will emit a short tone to indicate that the setting has been changed.



Comfort Features

Favorite Settings

You can change various settings.

Press and hold the indicated operation buttons for at least 2 seconds to change settings.

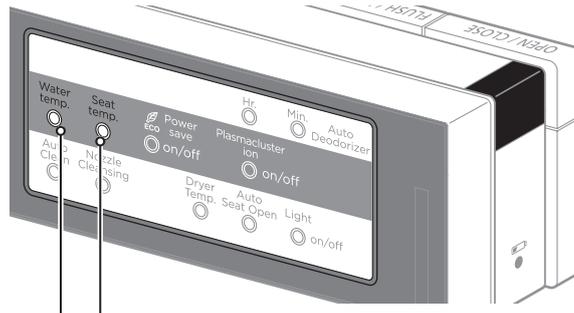
Function		Remote Control Method
Change the open/close mode for auto seat open	You can change the auto seat open setting to open both the SpaLet® seat and SpaLet lid simultaneously.	[Nozzle Cleansing] + [Auto Seat Open]
Deodorizer	You can turn the deodorizer on and off.	[Water Temp.] + [Nozzle Cleansing]
Seat heater auto off	The heater can be automatically turned off when a user sits down on the SpaLet seat to help prevent low-temperature burns. * Continuing to use the SpaLet while this function is enabled may result in the SpaLet seat feeling lukewarm or cool. * Once the user stands up, the seat will again be warmed to the configured temperature.	[Seat Temp.] + [Power Save]
Auto flush	The time between the user standing up after full auto washing until the SpaLet flushes can be changed. Default setting → 6 seconds → 10 seconds → 15 seconds → 2 seconds	[Power Save] + [Hr.]
Operation tone	The remote control operation sound that is triggered when operating the remote control can be turned off.	[Power] + [Seat Temp.]
Blue light	The blue light for bowl cleaning can be turned off.	[Seat Temp.] + [Nozzle Cleansing]

Comfort Features

Restoring the Default Settings

If the settings of this product have been changed using the operation as described in "Useful Functions", all settings can always be reset to the default settings whenever desired.

Press and hold both the [Water Temp.] and [Seat Temp.] buttons for at least 2 seconds.



[Water Temp.] + [Seat Temp.]

■ Default settings

The following table lists the default settings.

Function		Default Setting
Deodorizer	Automatic deodorizing	ON
Power Save	One-touch power save	OFF
	Advanced power save	OFF
Water temp.		Low
Seat temp.		Low
Change the open/close mode for auto seat open		ON Lid only
Seat heater auto off		OFF
Drying	Startup air temperature	Medium
Full Auto Flushing		ON 6 seconds after the user stands up
Night Light		ON Base of SpaLet and inside the SpaLet® bowl
Remote control operation sound		ON
Intermittent flushing		OFF
Bowl cleaning and Room Refresh		OFF
Blue light		ON

Storing Settings Changes

Settings changes are stored and therefore not lost when the power plug is disconnected from the outlet or the power switch is turned off.

Note that the Room Refresh and one-touch power save settings are reset when the power plug is disconnected from the outlet. (👉 Pages 20 and 21)

Useful Information

The SpaLet® Seat Temperature is Adjusted to Set Levels.

The temperature of the SpaLet seat is maintained at constant temperatures in accordance with the temperature set with the switch.

Seat temp.

Off (room temperature) and Low (approx. 28°C/82.4°F) to High (approx. 36°C/96.8°F)

Nozzle Spray in Winter.

The nozzle spray may weaken or take longer than usual to discharge during winter or other times when the water temperature is significantly low.

The Seat Sensor Prevents Incorrect Operation.

This SpaLet is equipped with a seat sensor to prevent the nozzle from spraying if switches are pressed when no one is sitting on the SpaLet seat.

- * The rear washing, rear washing - mild, front washing, and dryer functions do not operate if no one is sitting on the SpaLet seat.
- * The seat sensor may not function correctly if covers are installed to the SpaLet seat or SpaLet lid.
- * Rear washing or similar functions may not operate during a brownout while using the SpaLet. In such cases, stand up from the SpaLet and wait 1 to 2 seconds before sitting back down.

The SpaLet Seat and SpaLet Lid Close Slowly.

To reduce potential impact when the SpaLet seat and SpaLet lid close unexpectedly, the SpaLet is equipped with a damping mechanism to close the SpaLet seat and lid slowly.

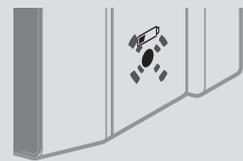
This damping mechanism does not function when the power is turned off.



- * Note that closing the SpaLet seat and lid forcefully may cause damage.

The SpaLet is Equipped with a Low Battery Indicator.

The battery LED on the remote control flashes when the batteries are low. Replace with new batteries as soon as possible. (👉 Page 44)



- * Pressing a remote control switch while the battery LED is flashing sometimes causes signals not to reach the Spalet body, which results in no operation.

Bleed Air from the Water Pipes Before Initial Use.

Make sure to bleed air from the water pipes before using the SpaLet for the first time or after the water had been drained to prevent freezing.

When sitting on the SpaLet seat, water discharges from a point near the nozzle tip for approx. 30 seconds.

Useful Information

The Body Sensor Allows You to Open the SpaLet® Lid Without Using Your Hands.

This SpaLet is equipped with an upper body sensor that detects when a person enters the bathroom and triggers the operation to automatically open and close the SpaLet lid.



The upper body sensor detects changes in heat (person's movement).

If the room temperature exceeds 30°C/86°F, such as in summer, there is little difference in temperature between people and the surroundings, which may result in sensor difficulty in detecting people. Move your body in front of the SpaLet bowl.

- * The sensor may not detect the user if they stand at angle from the front of the SpaLet or away from the SpaLet, which results in the SpaLet lid not opening.
- * The body sensor may not function correctly if it is dirty. In such cases, wipe the sensor unit with a soft and clean cloth.
- * If direct sunlight reaches the sensor, or heaters or lighting equipment that emit strong heat are installed in the bathroom, the sensor may detect incorrectly due to the heat, and the SpaLet lid may open automatically.

Make sure that direct sunlight does not reach the sensor, or try changing the orientation of heaters or lighting equipment.

Useful Information

Water Discharges from a Point Near the Nozzle Tip

Water discharges from a point near the nozzle tip immediately after a user sits down on the SpaLet® as well as before and after washing. This is required for the function and is not indicative of a failure.



Warm Air has an Odor When the SpaLet is Used Initially.

Warm air may have a slight odor when the SpaLet is new. This is not indicative of a malfunction. This odor will disappear as the SpaLet is used.

Energy Conservation.

- Close the SpaLet lid after use.
- Install a SpaLet seat cover.
- Do not set the temperature of the SpaLet seat or warm water too high.
- Frequently adjust the temperature settings in accordance with the season.
- Use the power save functions whenever possible if available.
- Always turn off the power if you will be gone for extended periods of time.

* Keep SpaLet seat covers clean.

* If there is any possibility of water freezing, do not disconnect the power plug from the outlet as the power must remain turned on. Refer to "If the Water in the Tank is Frozen" for more information.

(👉 Page 30)

Radio or Television Interference.

Interference may occur if a television or radio is located near the SpaLet. In such cases, move the radio or television as far away from the SpaLet as necessary to remove the interference.



Suitable Cleansers

Use a neutral cleanser suitable for plastics to clean plastic parts such as the SpaLet seat and lid. Do not use chlorinated cleansers, acidic cleansers, or disinfectants to clean the SpaLet bowl or other areas of ceramic material.

Formation of Condensation.

Due to differences in humidity or temperature of the room and SpaLet bowl, SpaLet surface, or water shutoff valve, water droplets (condensation) may form on the surface of these parts. Ensure adequate ventilation to prevent condensation. Use a dry cloth to wipe any droplets that have formed.

* Condensation may stain or damage the floor.

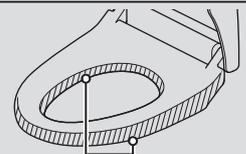
* This SpaLet is designed to be resistant to condensation. However, condensation can form depending on the room temperature and other conditions.

Odors During Flushing.

If there is insufficient ventilation odor may temporarily occur when flushing the SpaLet. Make sure to provide adequate ventilation.

Side of SpaLet Seat is Cold.

The heating function of the SpaLet seat primarily functions to heat the top surface, so the side may feel cold to the touch.



Side is Cold

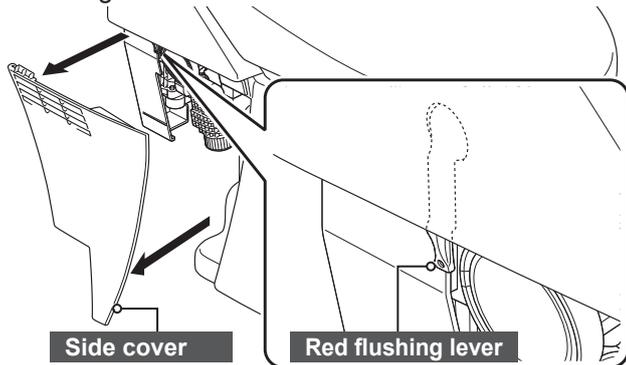
Useful Information

Flushing the SpaLet® Manually During Power Outages

The SpaLet bowl cannot be flushed using the remote control during a power outage. Use the following procedure to flush the SpaLet.

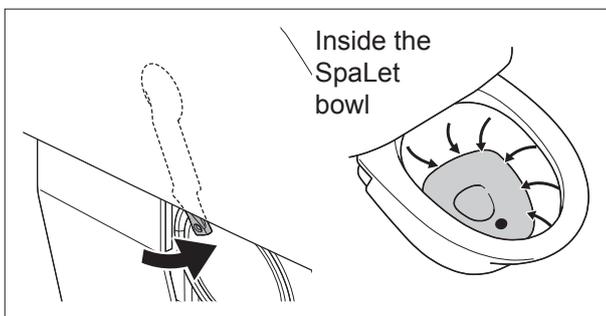
- 1 Remove the side cover on the left side when facing the SpaLet body (→ Page 42).**

* The red SpaLet flushing lever used during power outages should now be visible.



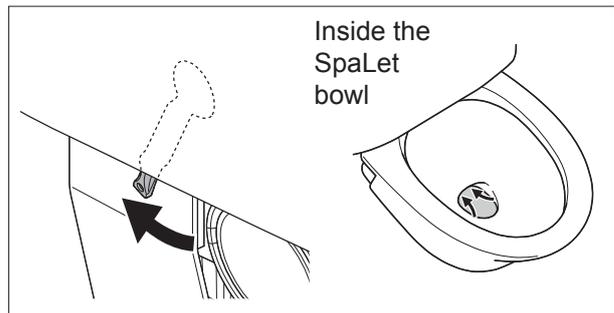
- 2 Turn the red flushing lever toward you and hold it in this position for approximately 5 seconds.**

* Water will flow around the SpaLet bowl to flush waste to the bottom of the SpaLet bowl.



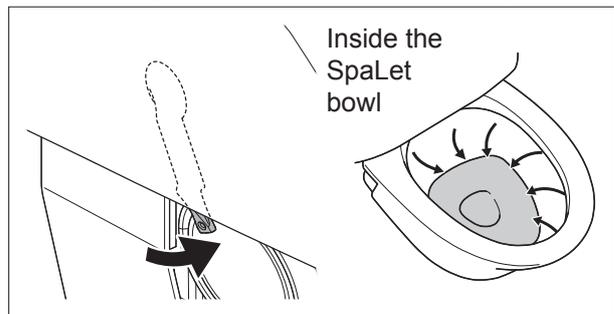
- 3 Once the waste has reached the bottom of the SpaLet bowl, turn the red flushing lever back to the rear and hold it in this position for approximately 5 seconds.**

* Water will flow to flush the waste out of the bottom of the SpaLet bowl.



- 4 Once the waste has been flushed, turn the red flushing lever toward you again and hold it in this position for approximately 5 seconds.**

Water will flow around the SpaLet bowl to fill the bottom of the SpaLet bowl with water. Once the SpaLet bowl is filled with water, release the lever. The lever will return to its original position automatically and the flow of water will stop.



- 5 Reattach the side cover (→ Page 42).**

Flushing the SpaLet in the Event of a Suspended Water Supply

Pour a bucket of 5 to 6 liters (1.4 to 1.6 gallons) of water into the SpaLet while being careful not to spray water to flush waste in the SpaLet. Then pour another 3 to 4 liters (0.8 to 1 gallon) of water into the SpaLet to fill the SpaLet bowl to normal levels.

- * Pour more water a little faster if the waste does not flush properly.
- * Perform the same procedure for a partial flush.

[CAUTION]

- Be careful not to spill water onto the floor when carrying water in a bucket or when pouring water into the SpaLet.
- Do not allow water to splash onto outlets.



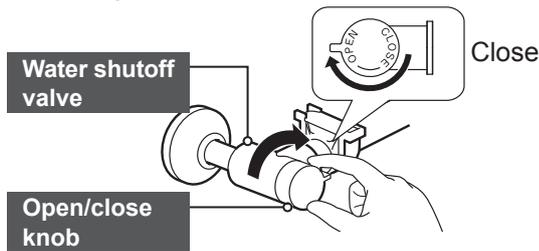
Useful Information

- Use the following procedure to drain the water and disconnect the power if the following circumstances are applicable.
- The SpaLet® will not be used for an extended period of time due to travel. Long-term storage may cause water to become contaminated. This contaminant could deposit on the SpaLet.
 - The SpaLet will not be used for an extended period of time due to being in a vacation home. As temperatures drop in unoccupied houses during the course of colder seasons, water could freeze during times of cold temperatures.

Draining Water

1 Close the water shutoff valve to shut off the water supply.

- * If the open/close knob is difficult to turn, grasp it with a dry cloth and turn.

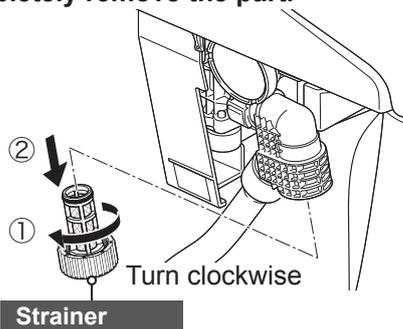


2 Press the [Flush Full] button or press the flush button on the SpaLet body.

- * Wait approximately 20 seconds.
- * Confirm that the water does not flow when attempting to flush the SpaLet.

3 Drain the water from the water supply side.

- 1 Remove the side cover on the left side when facing the SpaLet body. (👉 Page 42)
- 2 Place a basin or similar beneath the strainer.
- 3 Remove the strainer, rinse away dirt that has attached to the strainer and O-ring, and then completely remove the part.

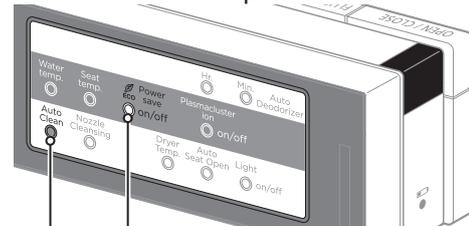


[CAUTION]

- When removing the strainer, make sure not to damage the water supply hose.

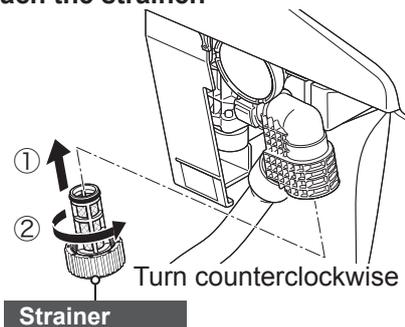
- 4 Insert the power plug into an outlet.

- 5 Press and hold both the [Power Save] and [Auto Clean] buttons for at least 2 seconds.
 - * Remaining water in the SpaLet body will drain over a 15-second period.



[Power Save] + [Auto Clean]

- 6 Disconnect the power plug from the outlet.
- 7 After the water has been drained, securely reattach the strainer.



4 Reinstall the side cover.

- * Perform steps 1 through 3 of the "Installing Side Covers" procedure to install the side cover. (👉 Page 42)

5 Check for leaks from the water shutoff valve.

Useful Information

The water in the SpaLet® may freeze and cause damage during winter or other times when the water temperature is significantly low.

Perform the following procedure to prevent freezing and related damage.

Do not disconnect the power plug from the outlet. Leave the power turned on. Turn off any active power save function.

If the bathroom can be heated: Refer to the "General Freezing Prevention Procedure" section.
If the bathroom cannot be heated: Refer to the "Intermittent Flushing to Prevent Freezing" section or "Draining the Water to Prevent Freezing" section.

⚠ CAUTION



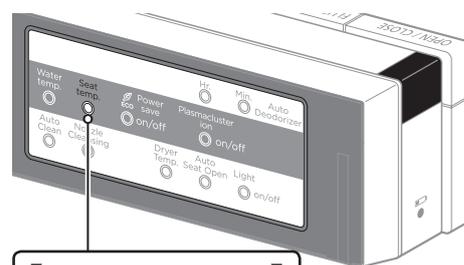
OBSERVE

Make sure to follow one of the freezing prevention procedures whenever there is a possibility of freezing.

* Damage from freezing may cause fire or flooding.

General Freezing Prevention Procedure

- 1 Set the [Seat Temp.] to "High" and close the SpaLet lid (👉 Page 9).
- 2 Turn off any active power save function (👉 Page 21).
- 3 Heat the bathroom.



[Seat Temp.]

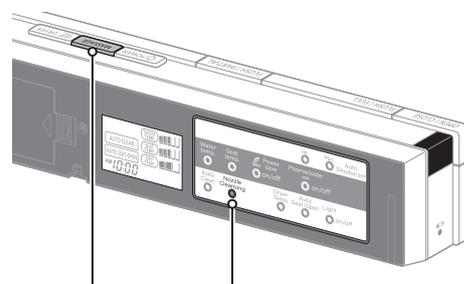
Intermittent Flushing to Prevent Freezing

- 1 Set the [Seat Temp.] to "High" and close the SpaLet lid (👉 Page 9).
- 2 Turn off any active power save function (👉 Page 21).
- 3 Press and hold both the [Massage] and [Nozzle Cleansing] buttons for at least 2 seconds.

* Each pressing of these buttons will turn the function on and off.

* Flush the SpaLet every 6 minutes to prevent freezing.

* Water consumption with this method is approximately 960 L/254 gals in a 24 hour period.



[Massage] + [Nozzle Cleansing]

Useful Information

Draining the Water to Prevent Freezing

- 1 **Set the [Seat Temp.] to "High" and close the SpaLet® lid ( Page 9).**
- 2 **Turn off any active power save function ( Page 21).**
- 3 **Manipulate the water drain plug in your building to drain water from the pipes.**
 - * Do not close the water shutoff valve when manipulating the water drain plug.
- 4 **Press the [Flush Full] button or press the flush button on the SpaLet body.**
 - * Wait approximately 20 seconds.
 - * Confirm that the water does not flow when attempting to flush the SpaLet.
- 5 **Drain water from the SpaLet body**
 - * Refer to steps 3 and 4 of the "Draining Water" procedure on page 43 to drain the water from the SpaLet bowl.
- 6 **Reattach the side cover ( Page 42).**

- Reusing the SpaLet
Always perform the necessary preparations and checks before use. ( Page 7)

- If water has frozen and the SpaLet does not operate or if the water supply hose or water supply connections have frozen and the SpaLet does not operate, use a cloth immersed in warm water to warm the water supply hose or water supply connections to slowly thaw them, or warm the bathroom and allow them to thaw naturally.

[CAUTION]

- Do not pour hot water or blow hot air over the water supply hose.
 - * Doing so may result in damage to the water supply hose.
- Water may be discharged during the thawing process depending on the parts being warmed. Confirm the condition regularly during the thawing process.

Useful Information

Draining Water (Continued)

CAUTION



OBSERVE

- **Make sure to close the water shutoff valve when removing the strainer inside the water shutoff valve.**
- **Make sure to install the strainer evenly on all sides.**
- **Check that there is no dirt remaining on the O-ring before installing the strainer.**
 - * Check that the O-ring is free from foreign materials as failure to do so may result in water leakage and flooding.

■ Reusing the SpaLet®

Always perform the necessary preparations and checks before use. ( Page 7)

■ Possibility of Freezing Water

- Drain the water in the SpaLet bowl and use anti-freeze solution or a bath towel to plug the drain outlet.
 - * Do not flush the anti-freeze solution. Collect the anti-freeze solution and dispose appropriately. Failure to dispose of anti-freeze solution properly can affect the septic tank and pollute the environment.
 - * Make sure to completely plug the drain outlet. Failure to do so allows odors and insects to get into the area.
- Water must be removed from the water supply pipe. If you have a SpaLet bowl with a drain valve, use the water drain plug in your building to drain water from the water supply pipe in addition to the previously described procedure. ( Page 31) Open the water shutoff valve after manipulating the water drain plug.

Cleaning and Maintenance

Make sure to use the appropriate cleaner and tools in accordance with the type of dirt and material being cleaned to ensure cleaning is effective.

We also provide product recommendations for those who want to make cleaning and maintenance tasks easier.

Note that certain types of cleaners and tools must not be used with this product.

Cleaning Tools

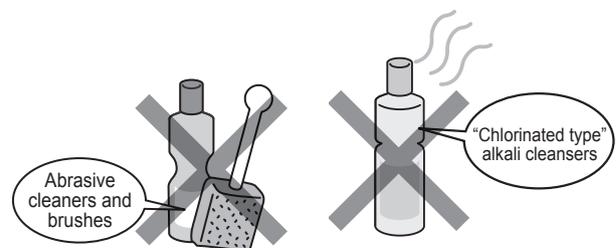
Type		Location of Use
Soft cloth	Cut unused towels or T-shirts into appropriate sizes for cleaning.	SpaLet® seat and SpaLet lid Covers and SpaLet bowl
Sponge	Small and as soft a material as possible.	Nozzle tip
Non-abrasive toilet brush	Necessary to clean inside the SpaLet bowl. * Avoid use of abrasive of materials that may scratch product surfaces.	SpaLet bowl
Rubber gloves	Use to prevent skin from becoming rough. Fold over to prevent water and cleaner from getting inside.	-

Cleaner

Type		Location of Use
Neutral cleanser for SpaLet	Removes yellow stains and blackish contamination from the ceramic portion of the SpaLet bowl.	SpaLet bowl
Non-abrasive cleaner		

Do not use the following cleaners and tools to maintain the maximum benefit of the ceramic material.

- Chlorinated alkali cleansers
- Abrasive cleaners
- Abrasive brushes



Cleaning and Maintenance

Cleaning Areas and Types of Dirt

SpaLet® lid, SpaLet seat, covers, and remote control	Page 35
Dust, hand dirt, and small water stains	

Gaps between SpaLet seat and SpaLet lid	Page 36
Dust, hand dirt, and small water stains	



Nozzle shutter	Page 38
Water sludge and small water stains	

Nozzle	Page 38
Water sludge and small water stains	

SpaLet bowl	Page 37
Mold, bacteria, and crystallized urine	

[CAUTION]

- Make sure to turn off both the auto clean and auto seat open functions when cleaning and performing maintenance. (☞ Page 18)
- * If these functions are not turned off, water could flow or the SpaLet seat/lid could close unexpectedly when the SpaLet detects the presence of a person.

⚠ WARNING



Spraying with water prohibited

Do not pour water or cleaning chemicals directly onto the SpaLet body or the power plug.

- * Doing so may cause electric shock or fire.

⚠ CAUTION



OBSERVE

Use a mild cleaner suitable for plastic to clean plastic parts including the SpaLet seat.

- * Avoid using toilet cleansers, home cleansers, bleach, benzene, thinner, scouring powder, cresol, or other abrasive products as such products may damage plastic parts or cause fire, electric shock, and even injury.



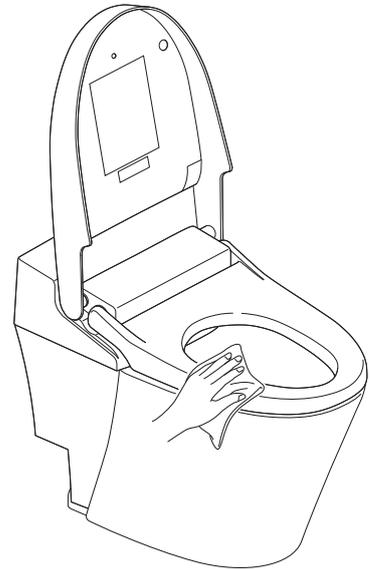
Cleaning and Maintenance

Cleaning Plastic Parts Including SpaLet® Seats, SpaLet Lids, Covers, and the Remote Control

- **Use a soft cloth to wipe parts.**

Dirt is more difficult to remove the longer it is allowed to remain. Use a damp, thoroughly wrung soft cloth to clean such areas.

Using damp cloths also protects against static electricity. Static electricity attracts dust, which can cause dark stains.



[CAUTION]

- Do not wipe parts with a dry cloth or toilet paper.
 - * Doing so may cause damage.
- Disconnect the power plug from the outlet to clean the remote control.
 - * Failure to do so may result in incorrect operation of the SpaLet.

Cleaning Gaps

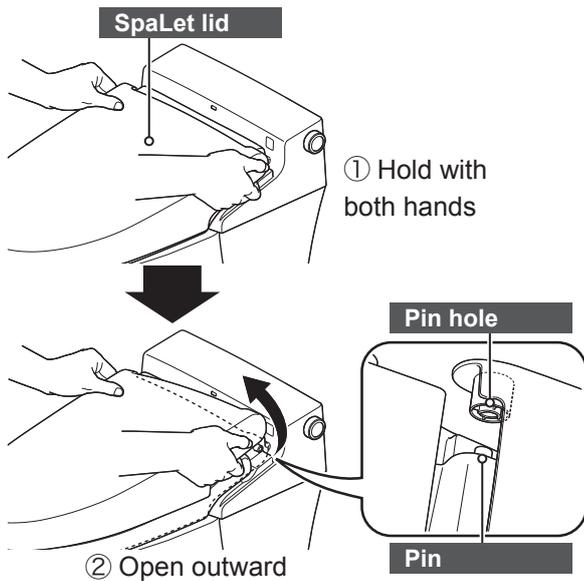
The SpaLet lid is easily removed. (👉 Page 36)

Cleaning and Maintenance

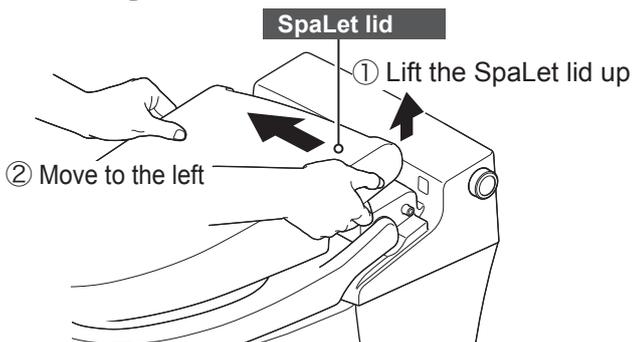
The SpaLet® lid can be removed easily. This is convenient for washing hinges that are normally hidden and for full cleaning of the lid.

Removing the SpaLet Lid

- 1 Disconnect the power plug from the outlet.
- 2 Hold the SpaLet lid with both hands and lift it up so that the right side opens outwards, and then remove from the pin hole.



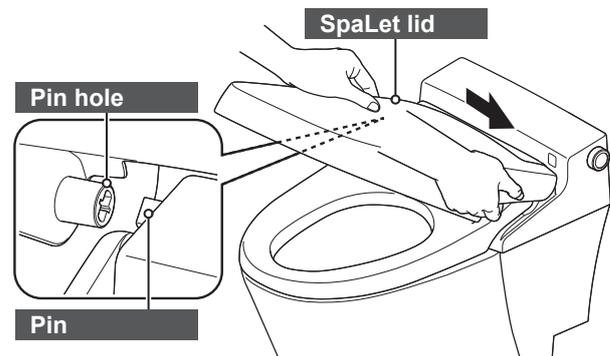
- 3 Remove the SpaLet lid by lifting and twisting to to the left.



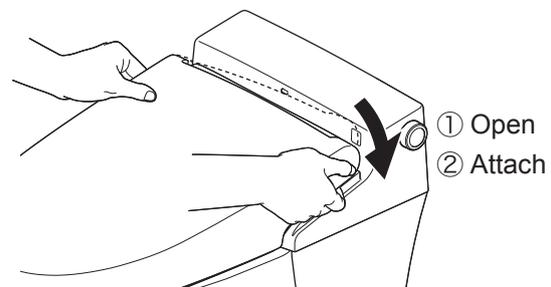
Assembling the SpaLet Lid

- 1 Align and insert the pin hole on the left side of the SpaLet lid with the pin on the left side of the SpaLet body.

* Align the SpaLet lid with the angle of the SpaLet body pin to attach the SpaLet lid.



- 2 Open the pin hole on the right side of the SpaLet lid outwards and then align the pin with the pin hole to attach the SpaLet lid.



- 3 Connect the power plug to an outlet.

- Reusing the SpaLet
Always perform the necessary preparations and checks before use. (☞ Page 7)

[CAUTION]

- Make sure to disconnect the power plug before removing the SpaLet lid.
 - * Failure to do so may damage internal parts.
- Do not apply excessive force to the SpaLet lid.
 - * Doing so may damage the part.
- Do not open the SpaLet seat while the SpaLet lid is removed.
 - * Doing so could cause damage such as scratching covers and the SpaLet seat.
- Do not use the SpaLet while the SpaLet lid is removed.

Cleaning and Maintenance

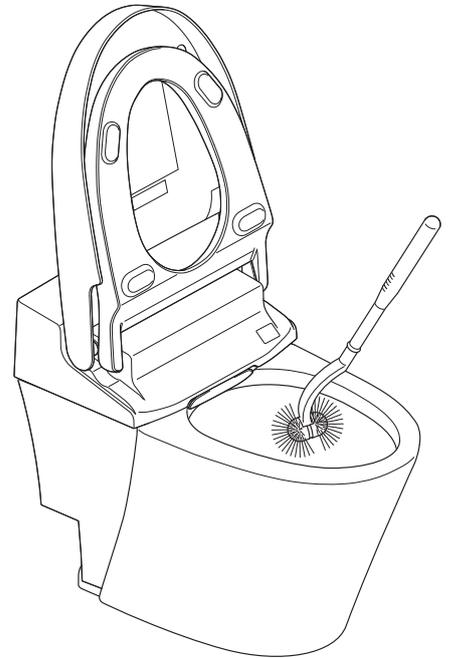
Cleaning Ceramic Portions of the SpaLet® Bowl

The SpaLet bowl is made from a ceramic material. ( Page 33)

- Add some neutral cleanser to a soft cloth or sponge and wash with room-temperature or lukewarm water.

[CAUTION]

- Do not use chlorinated cleansers, acidic cleansers, or disinfectants to clean the SpaLet bowl.
 - * Vaporized gas from such products may cause damage.
- Do not use hot water.
 - * Hot water could damage the SpaLet bowl.
- Do not use abrasive cleaners or brushes.
 - * Doing so could scratch the surface of the ceramic material, which would reduce the benefit of this material.



Dirt at the Bottom of the SpaLet Bowl

The night light can cause shadows to appear in the SpaLet bowl, which may appear as waste.

If you do not like this operation, perform the procedure described in the "Permanently Turning off the SpaLet Bowl Light" section. ( Page 22)

Cleaning and Maintenance

Use the following procedure to clean areas around nozzles.

● Cleaning Nozzles

- To clean nozzles while using (sitting on) the SpaLet: **[Cleaning Nozzles with the Remote Control (👉 this page)]**
- To thoroughly clean nozzles: **[Ejecting Nozzles (👉 Page 39)]**

● Cleaning Nozzle Shutters

- To remove and clean nozzle shutters:
[Ejecting Nozzles (👉 Page 39), Removing Nozzle Shutters (👉 Page 41)]

● Cleaning Deodorizing Filters

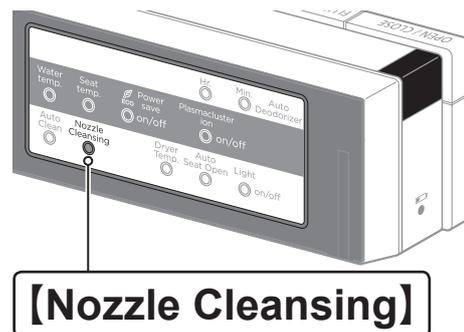
- To restore the deodorizing effect: **[Ejecting Nozzles (👉 Page 39), Cleaning Deodorizing Filters (👉 Page 41)]**

[Cleaning Nozzles with the Remote Control While Using the SpaLet®]

Nozzles can be washed while using (sitting on) the SpaLet.

1 Press the [Nozzle Cleansing] button.

- * The nozzle will be washed for approximately 15 seconds while stored within the SpaLet body.



❖ Auto Cleaning

This SpaLet is equipped with an **auto cleaning function** to automatically clean the nozzle and surrounding area before and after use of the rear washing, rear washing - mild, and front washing features.

Cleaning and Maintenance

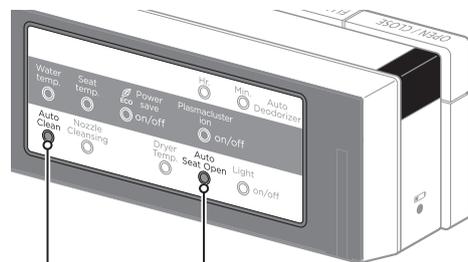
Extending Nozzles/Opening Shutters [Ejecting Nozzles]

The nozzle can be ejected for cleaning or to replace tips.

The nozzle shutter can be opened and removed, and the deodorizing filter can also be removed.

1 Turn off both [Auto Clean] and [Auto Seat Open] ( Page 17 and 18).

- * If these functions are not turned off, water could flow or the SpaLet® seat could close unexpectedly when the SpaLet detects the presence of a person.
- * Do not forget to turn the functions back on after you have finished cleaning.



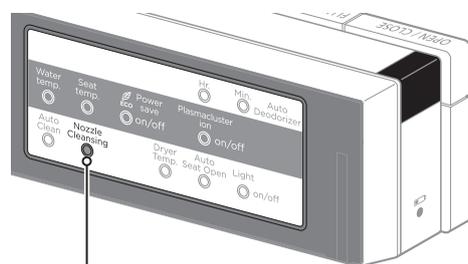
[Auto Clean]

[Auto Seat Open]

2 Open the SpaLet seat lid and the SpaLet seat.

3 Press the [Nozzle Cleansing] button.

- * When pressing the Nozzle cleansing button (first time), the rear nozzle wand extends back and forth several times while water sprays onto it cleaning it, then the rear nozzle wand retracts and the front nozzle wand extends several times while water sprays onto it cleaning it. Then the front wand retracts and the rear wand extends and will stay extended for approximately 5 minutes or until a function button is pressed. (Note: at this time the rear nozzle tip can be removed from the wand and further be cleaned manually with a soft cloth, then placed back into the wand before 5 minutes are up. (Ref Removing Nozzle TIPS Below)



[Nozzle Cleansing]

4 Press the [Nozzle Cleansing] button.

- * When pressing the Nozzle Cleansing button a second time, the rear nozzle wand retracts and the front nozzle wand extends for approximately 5 minutes or until a function button is pressed. Note: at this time the front nozzle tip can be removed from the wand and further be cleaned manually with a soft cloth, then placed back into the wand before 5 minutes are up. (Ref Removing Nozzle TIPS Below).

5 Press the [Nozzle Cleansing] button.

- * Pressing the Nozzle Cleansing button a third time retracts the front nozzle wand and opens the shutter in a way that enables it to be removed and or clean the deodorizing filter.

6 Press the [STOP] button to return the nozzle shutter to the original position.

- * If the nozzle catches, perform the procedure to eject the nozzle again.

REMOVING the Nozzle Shutter:

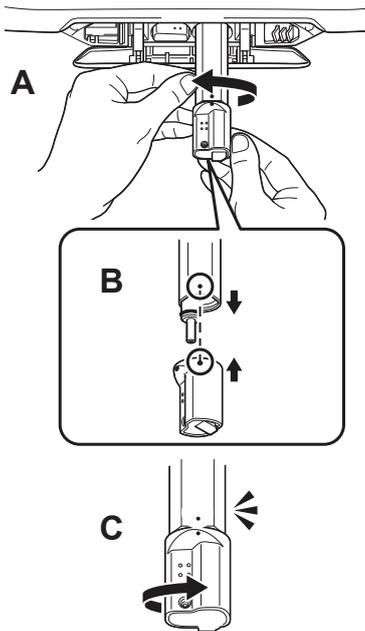
To open the shutter press the Nozzle Cleansing button, then go through Steps 3, 4 and 5 **completely**. This will enable the Open Shutter for 5 minutes. Pressing the Nozzle Cleansing button 3 times without following Steps 3, 4 and 5 completely will not enable the Open Shutter.

Cleaning and Maintenance

NOTE: Removing Nozzle Tips

Both Front and Rear nozzles can be removed from the extended wands to additionally clean them. Follow steps below.

- a) With selected wand extended, turn nozzle head counterwise about 1/2 turn. (ref fig. a)
- b) Carefully remove nozzle head from the extended wand to additionally clean. (ref. fig b)
- c) Place nozzle head into extended wand in reverse order and turn clockwise about 1/2 turn.



5. Return the settings for Auto flush and Auto open/close. (Page 17, 18)

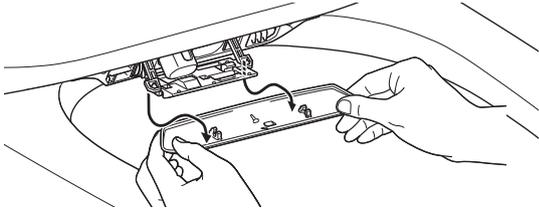
NOTES:

- Do not apply excessive force to the nozzles, as this may cause failure.
- Do not pull or push the nozzles. The nozzle will not be retracted and failure may occur. If you pull or push the nozzles by mistake, turn off the power breaker or remove the power plug from the outlet, then turn on the power breaker or connect the power plug after 10 seconds.
- Do not clean the nozzles with toothbrushes.

Cleaning and Maintenance

Removing the Nozzle Shutter

- 1 **Open the nozzle shutter** ( Page 39)
 - * The nozzle extends to open the nozzle shutter.
- 2 **Pull the nozzle shutter down toward you with both hands to remove.**



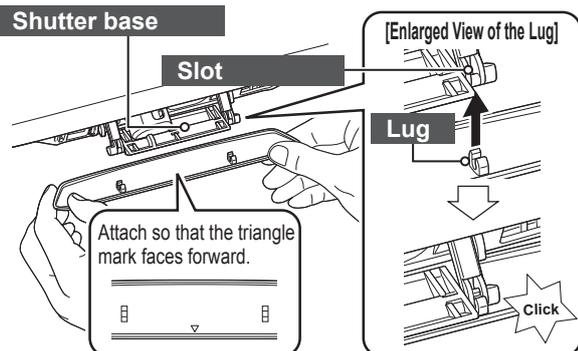
- 3 **Clean the removed nozzle shutter.**
 - **Use a soft, damp cloth to clean.**

[CAUTION]

- Do not wipe parts with a dry cloth or toilet paper.
- Do not scrub with a toothbrush.
 - * Doing so may cause damage.

Assembling the Nozzle Shutter

- 1 **Attach the two lugs of the nozzle shutter into the slot in the shutter base from below.**
 - * If the shutter base is closed, perform the procedure described in the "Opening the Nozzle Shutter" section.
 - * Make sure the auto clean and auto seat open functions are turned off before returning the nozzle shutter to its original position.



- 2 **Press the [STOP] button to return the nozzle shutter to the original position.**

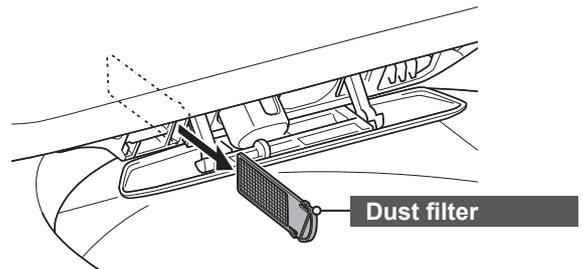
[CAUTION]

- Press until it clicks into place. Make sure the shutter is correctly installed.
- Installing the shutter in the incorrect vertical orientation can cause malfunctions such as no nozzle extension or no shutter opening.
- Do not apply excessive force.
 - * Doing so may damage the part.

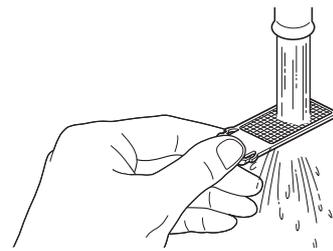
Cleaning Air Shield Filters

Dust and dirt that has accumulated on the dust filter may result in reduced deodorizing performance. Clean the filter if odors are noticeable.

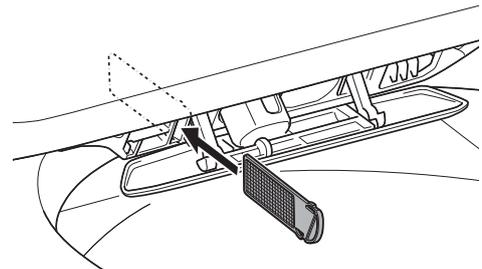
- 1 **Open the nozzle shutter** ( Page 39).
 - * The nozzle extends to open the nozzle shutter.
- 2 **Remove the dust filter.**



- 3 **Wash the dust filter to remove dust and dirt.**



- 4 **Allow the dust filter to dry and then reinstall.**



- 5 **Press the [STOP] button to return the nozzle shutter to the original position.**
 - * Make sure the auto clean and auto seat open functions are turned off before returning the nozzle shutter to its original position.

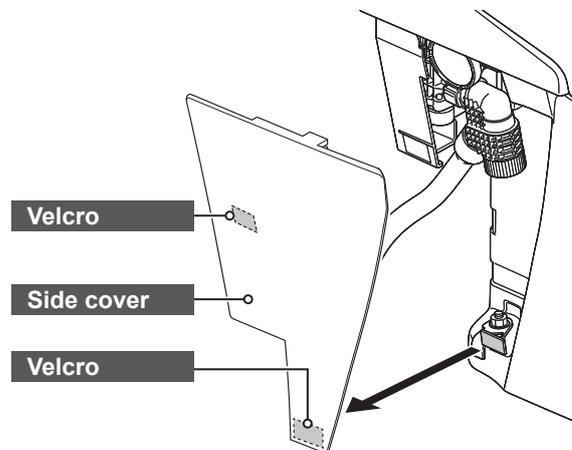
- Reusing the SpaLet®
Always perform the necessary preparations and checks before use. ( Page 7)

Cleaning and Maintenance

Side covers are easily removed. Remove the covers to clean the back of the SpaLet® bowl and covered parts of the floor.

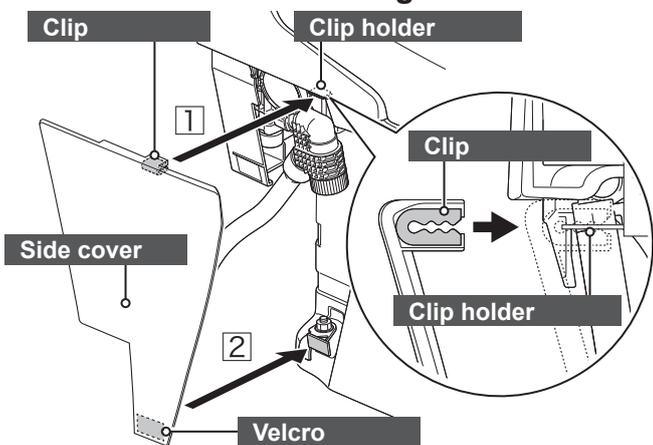
Removing Side Covers

- 1 Disconnect the power plug from the outlet.
- 2 Slowly pull the bottom of the side cover forward and then remove velcro.



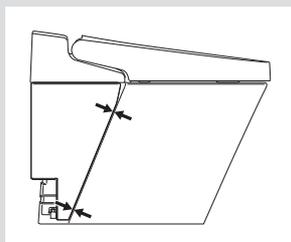
Installing Side Covers

- 1 Insert the clip at the top of the side cover into the clip holder on the SpaLet bowl.
- 2 Attach the cover to the velcro at the bottom while ensuring the SpaLet bowl and side cover are in alignment.
- 3 Press on the center of the side cover to make sure the velcro make a secure connection.

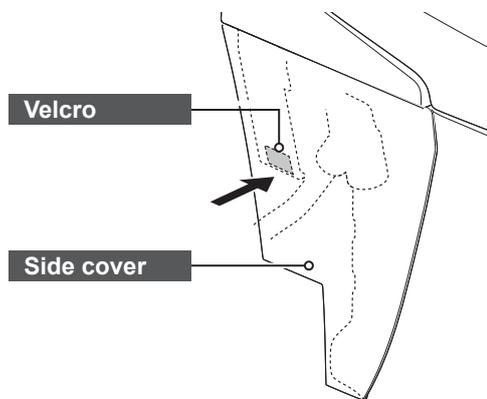


[CAUTION]

- Attach the velcro while ensuring the SpaLet bowl and side cover are in alignment.



- 3 Press on the center of the side cover to make sure the velcro make a secure connection.
- 4 Connect the power plug to an outlet.



- 4 Connect the power plug to an outlet.

[CAUTION]

- Do not apply too much force when attaching the side cover. Doing so may damage the part.

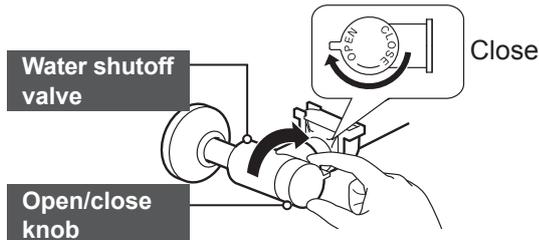
Cleaning and Maintenance

If long-term use of the SpaLet® has resulted in a weak flow of water when flushing the SpaLet or using the nozzle spray, use the following procedure to clean the strainer. This should be performed roughly once every 2 years.

Cleaning the Strainer

- 1 Close the water shutoff valve to shut off the water supply.

* If the open/close knob is difficult to turn, grasp it with a dry cloth and turn.

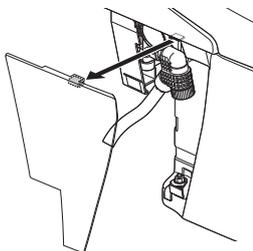


- 2 Press the [Flush Full] Button or press the flush button on the SpaLet body.

(👉 Page 17)

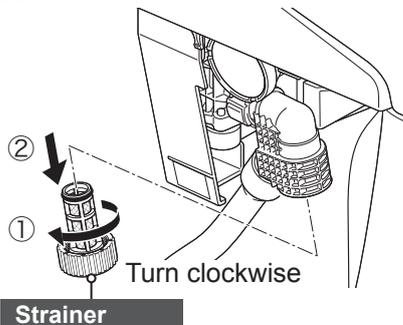
* Wait approximately 20 seconds.
* Drain the water and remove the water pressure inside the SpaLet body.

- 3 Remove the side cover on the left side when facing the SpaLet body (👉 Page 42).



- 4 Turn and remove the strainer at the lower left when facing the SpaLet body.

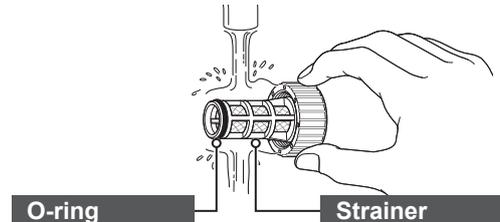
* Place a towel or similar underneath the strainer as a small amount of water will spill when removing the strainer.



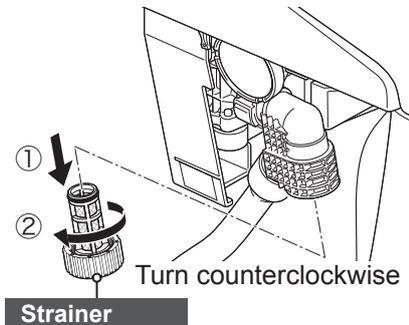
[CAUTION]

- When removing the strainer, make sure not to damage the water supply hose.

- 5 Wash away all debris inside the strainer and from the O-ring.



- 6 Fully tighten the strainer.



[Mounting Precautions]

- Make sure the strainer assembly is reinstalled properly after removing it for washing.

- 7 Reattach the side cover (👉 Page 42).

- 8 Fully open the water shutoff valve.

- 9 Check for leaks from the water shutoff valve.

- Reusing the SpaLet
Always perform the necessary preparations and checks before use. (👉 Page 7)

⚠ CAUTION



OBSERVE

- When removing the strainer, make sure to close the water shutoff valve and press the flush button.
- When installing the strainer, make sure that the water shutoff valve is tightened completely.
- Check that there is no debris remaining on the O-ring before installing the strainer.

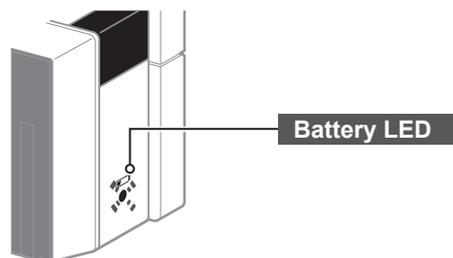
* Check that the O-ring is free from foreign materials as failure to do so may result in water leakage and flooding.

Cleaning and Maintenance

The battery LED on the edge of remote flashes when the batteries are low. (👉 Page 25)

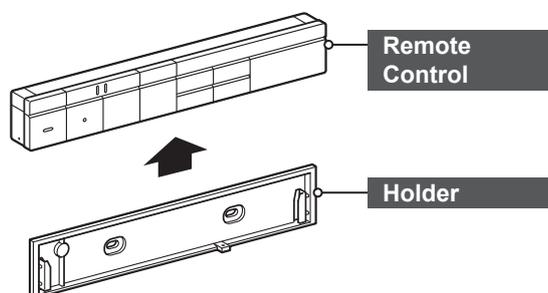
[CAUTION]

- Install batteries in the correct orientation of polarity as illustrated on the remote control display.
- Do not use a mix of new and old batteries.
- Use alkaline batteries only.
- Be careful not to touch any switches on the remote control when replacing batteries.



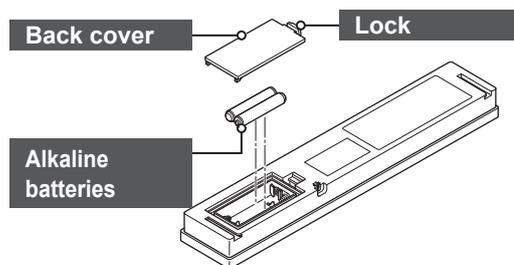
Replacing Remote Control Batteries

1 Lift the remote control out of the holder.



2 Remove the back cover and replace with two new 1.5-V AAA alkaline batteries.

- * If the back cover is difficult to remove, use a flat-blade screwdriver or similar tool to release the lock.



3 Reinstall the back cover and then use the [Hr.] and [Min.] buttons to adjust the time (👉 Page 10).

4 Return the remote control into the holder.

(Reference)

- The battery LED will flash when the batteries are low. This LED normally does not appear.
- The batteries supplied with the SpaLet are used for operation checks at the factory, and so have a shorter service life than typically available batteries.
- Batteries may become fully discharged before the battery LED flashes depending on the size of the room and material/color of the walls, particularly with darker colors.
- When replacing batteries, wait for the battery LED to disappear after the batteries have been removed before inserting the new batteries. This is because the battery LED may remain flashing after batteries have been replaced.

Notes

Notes

Troubleshooting

Failures can be easily corrected in some cases. Please check the following items.

All Functions			
Symptom	Cause	Solution	Page
All functions are inoperable (power indicator is not on).	Electricity is not supplied to power outlet.	Check for a power failure, tripper breaker, etc.	—
	The power is turned off (power indicator is not on).	Press the [POWER] button and make sure the power indicator on the flush button turns on.	7
	The power plug is not connected to the power outlet.	Completely connect the power plug to the outlet. Wait about 10 seconds before reconnecting the power plug.	7
	A short circuit has occurred. The indicator LED is on.	Disconnect the power plug and have the SpaLet® serviced.	—
	Voltage other than 120V is being used.	Disconnect the power plug and have the SpaLet serviced	—
Corresponding operations are not performed when switches on the remote control are pressed (power indicator is on).	Batteries in the remote control have completely discharged. (Battery LED is on*)	Replace with new batteries.	44
	Batteries are installed in the remote control in the incorrect orientation of polarity.	Insert the batteries in the correct orientation.	44
	Remote control transmitter or receiver is dirty or wet.	Remove the dirt or water.	—
Corresponding operations are not performed when switches on the remote control are pressed (power indicator is on).	A fluorescent light with inverter ballast is in use.	Turn off the light and try again. If the SpaLet then operates normally, there is no malfunction in the product.	—
	Remote control receiver is exposed to direct sunlight.	Take the necessary action to prevent exposure to direct sunlight.	—
	The "OFF" text string appears on the remote control LCD.	Press the [POWER] button to turn on the remote control.	—

*: When the remote control is installed on the wall opposite the receiver, the batteries may fully discharge before the battery LED starts flashing.

Troubleshooting

Rear Washing, Rear Washing - Mild, and Front Washing

Symptom	Cause	Solution	Page
Nozzle spray does not discharge.	Water shutoff valve is closed.	Turn the open/close knob 180° counterclockwise.	7
	The strainer is clogged.	Clean the strainer.	43
	The water pressure is low. Water pressure is set to the lowest setting.	Press the [+] side of the [SPRAY STRENGTH] button.	14
	Seat sensor is not triggering.	Sit on the SpaLet®.	25
	The temperature of the water supplied to the SpaLet is too high.	This is not a malfunction. When the water temperature exceeds 40°C/104°F due to anti-freezing pipe heaters or similar, the nozzle spray does not discharge until hot water is removed from the pipe. In this scenario, drain the hot water from the pipes by flushing the SpaLet and then try pressing the button for the desired washing function. If this phenomenon occurs repeatedly, then review the usage of the anti-freezing pipe heater.	—
	The SpaLet is flushing.	This is not a malfunction. The SpaLet flushing process has priority. Press the button for the desired washing function after the SpaLet finishes flushing.	14
It takes longer than usual for the nozzle spray to discharge.	The water temperature is not set to an appropriate temperature.	This is not a malfunction. When water temperature is low such as in winter, it may take time to prepare warm water before the nozzle spray discharges.	—
The preparation time before the nozzle spray discharges may be longer than models you have used in the past.	When purchasing a replacement model, the preparation time before the shower spray discharges may be longer due to changes in product design. This is a feature of the product and is not a malfunction.		—

Troubleshooting

Rear Washing, Rear Washing - Mild, and Front Washing (Continued)

Symptom	Cause	Solution	Page
The nozzle spray is not warm.	The water temperature is not set to an appropriate temperature.	Set the water temperature to an appropriate temperature.	9
	The water temperature is not set to an appropriate temperature.	This is not a malfunction. When water temperature drops, such as in winter, spray strength may weaken slightly.	—
The nozzle spray does not reach the correct position.	When purchasing a replacement model, the position that the spray reaches may feel different due to changes in product design. This is a feature of the product and is not a malfunction.		—
Nozzle spray is weak.	The spray strength is low.	Press the [+] side of the [SPRAY STRENGTH] button.	14
Nozzle is disconnected (hanging)	The nozzle shutter has been brushed off during cleaning.	Attach the nozzle shutter correctly.	47
Nozzle cleaning process does not operate.	Water shutoff valve is closed.	Turn the open/close knob 180° counterclockwise.	7
Motor noise can be heard when using the nozzle spray.	This is not a malfunction. This is the operation sound of the pump used to spray the nozzle water. The volume varies depending on the washing mode and spray strength.		—
The spray may be stronger or weaker than models you have used in the past.	When purchasing a replacement model, the spray may feel stronger or weaker compared to the product before replacement due to design changes. This is a feature of the product and is not a malfunction.		—

Troubleshooting

Seat heating

Symptom	Cause	Solution	Page
The SpaLet® seat is not warm.	The seat temperature is not set to an appropriate temperature.	Set the seat temperature to an appropriate temperature.	9
	The power save function is activated.	Cancel the power save function.	21
	The seat sensor is wet or dirty.	The seat sensor may make false detections. The seat heater is automatically turned off if a user sits on the SpaLet for over an hour. Clean the SpaLet seat.	35
	The bowl cleaning function is not operating.	This is not a malfunction. Unevenness in temperature can be felt in accordance with usage conditions. Turn off bowl cleaning and observe product behavior.	19
The seat cools after sitting on the SpaLet for an extended period of time.	The seat heater auto off function is turned on.	Turn off the seat heater auto off function.	23
	The seat has been used for over an hour.	The seat heater is automatically turned off if a user sits on the SpaLet for over an hour. Stand up from the seat and sit down again.	—
Side of SpaLet seat is cold.	The heating function of the SpaLet seat primarily functions to heat the top surface, so the side may feel cold to the touch. This is a feature of the product and is not a malfunction.		27

Troubleshooting

Deodorizer

Symptom	Cause	Solution	Page
The Air Shield Fan Keeps Running	The seat sensor is wet or dirty.	The seat sensor may make false detections. Clean the SpaLet® seat.	—
	The bowl cleaning function is not operating.	This is not a malfunction. The bowl cleaning function operates intermittently in cycles of 45 minutes of operation and 15 minutes of no operation. The Air Shield fan operates for one minute after the user stands up from the SpaLet.	19
The Air Shield fan does not operate.	The automatic Air Shield function is turned off.	Turn on the Air Shield.	23
	The seat sensor is wet or dirty.	The seat sensor may make false detections. The Air Shield fan turns off automatically when a detection triggered state lasts for at least 2 hours. Clean the SpaLet seat or try standing up from the seat and sitting back down again.	—
	The seat has been used for over an hour.		
The Air Shield effect has weakened (odors are noticeable).	Dirt is present on the Air Shield filter.	Clean the Air Shield filter.	41
	The SpaLet has not been used for a long period of time.	The SpaLet is equipped with a part that absorbs odors. Have this part replaced.	—

SpaLet flushing

Symptom	Cause	Solution	Page
The SpaLet does not flush automatically.	The full auto flushing function is turned off.	Turn on the full auto flushing function.	17
Water flow is poor or the SpaLet does not completely flush.	The water shutoff valve is not fully open.	Fully open the water shutoff valve.	7
	The strainer is clogged.	Clean the strainer.	43
	The water supply hose is bent.	Failures can be easily corrected in some cases. Please check the following items.	—
Water flow is poor or the SpaLet does not completely flush.	Do not flush large quantities of toilet paper.	Toilet paper does not completely flush when a partial flush is used. Use a full flush instead.	17
		A full flush corresponds to approximately 5 m/16-1/2 ft. of toilet paper.	5

Troubleshooting

Flushing the SpaLet (Continued)

Symptom	Cause	Solution	Page
Blocked debris	Large quantities of toilet paper have been used.	Close the water shutoff valve and then remove the blockage. * Automatic flushing may occur unintentionally causing water to overflow from the SpaLet® bowl.	—
The SpaLet flushes automatically.	The intermittent flushing function is turned on.	Turn off the intermittent flushing function.	30
There does not appear to be much difference between full flushing and partial flushing.	This is not a malfunction. Full flushing uses approximately 1 L/1.1 Qt. more water than partial flushing, which makes it difficult to see a difference. Additionally, there is no major difference in the time required for flushing. Please continue use.		—
The noise when flushing the SpaLet is louder than before replacing the seat unit	The design differs to the product before replacement. For this reason, noise may seem louder than before.		—

Auto Seat Open and Automatic SpaLet Seat Open/Close

Symptom	Cause	Solution	Page
SpaLet seat or SpaLet lid closes forcefully making a noise.	The SpaLet lid was pressed during the automatic opening or closing process.	If the automatic open or close operation does not start even after pressing the [Open/Close SpaLet Seat] button again, disconnect the power plug from the outlet and have the SpaLet serviced.	—
	A third-party SpaLet seat lid cover or SpaLet seat cover is too heavy or stuck.	Use the SpaLet without a SpaLet seat lid cover or SpaLet seat cover.	—
	The power plug is not connected to the power outlet.	Completely connect the power plug to the outlet. Wait about 10 seconds before reconnecting the power plug.	7
The SpaLet lid or SpaLet seat does not automatically open or close.	The auto seat open function is turned off.	Turn on the auto seat open function.	18
	A third-party SpaLet lid cover is too heavy or stuck.	Please use the SpaLet without a SpaLet lid cover.	—
	The SpaLet lid is not attached correctly.	Attach the SpaLet lid correctly.	36

Troubleshooting

Auto Seat Open and Automatic SpaLet Seat Open/Close (Continued)

Symptom	Cause	Solution	Page
The SpaLet® lid or SpaLet seat does not automatically open or close.	The SpaLet lid is closed manually.	The SpaLet seat lid will not open automatically for 10 seconds after it has been closed manually.	—
	The room temperature exceeds 30°C/86°F.	Performance may suffer if the room temperature exceeds 30°C/86°F, or the SpaLet body is exposed to direct sunlight.	—
	The upper body sensor is dirty.	Wipe the sensor unit with a soft and clean cloth.	26
The SpaLet lid stays open. The SpaLet lid keeps opening and closing despite not being used.	The sensor is exposed to direct sunlight.	Do not expose the SpaLet to direct sunlight.	—
The SpaLet lid stays open.	Room Refresh does not function.	This is not a malfunction. If the SpaLet lid is opened during the configured time, plasmacluster ions will be released to refresh the bathroom.	20
The SpaLet seat opens forcefully and hits the SpaLet lid.	This is not a malfunction. This ensures that the SpaLet seat fully opens so that it will not fall back down.		—
The operation sound may be louder than models you have used in the past.	When purchasing a replacement model, the operation sound may be louder due to changes in product design. This is a feature of the product and is not a malfunction.		—

Warm Air Drying

Symptom	Cause	Solution	Page
Warm Air Does Not Come Out	Seat sensor is not triggering.	Sit on the SpaLet.	25
Warm Air is Not Warm	The warm air drying temperature is not set to an appropriate temperature.	Set the warm air drying temperature to an appropriate temperature.	9
	Differences in temperature can be felt in accordance with usage conditions. The air temperature is compliant with International Electrotechnical Commission (IEC) standards.		—
Warm air stops midway through the process.	This function has been used for more than 4 minutes.	Press the [DRY] button again.	16

Troubleshooting

Bowl Cleaning

Symptom	Cause	Solution	Page
Bowl cleaning does not operate.	The bowl cleaning function is turned off.	Turn on the bowl cleaning function.	19
	The auto seat open function is turned off.	This function operates when the SpaLet® lid is closed. Turn on the auto seat open function.	
	The SpaLet lid is open.	This function operates when the SpaLet lid is closed. Manually close the SpaLet lid.	

Room Refresh

Symptom	Cause	Solution	Page
Room Refresh does not operate.	Room Refresh is turned off.	Turn on Room Refresh.	19
	The SpaLet seat was closed while the auto seat open function is turned off.	Turn on the auto seat open function.	18
	The SpaLet is in use at the time the function normally starts operation.	The function will not operate on days in which SpaLet is in use at the time the function would normally start to operate. The function will operate at the configured time again on the next day.	20
Room Refresh stops operating midway through the process.	Another operation was performed while Room Refresh was operating.	Performing another operation disrupts the Room Refresh operation. It will not restart operation for that day. The function will operate at the configured time again on the next day.	—

Troubleshooting

Ceramic Portion of the SpaLet® Bowl

Symptom	Cause	Solution	Page
The SpaLet bowl is clogged.	Use a plunger to remove the blockage. Close the water shutoff valve and then remove the blockage. Automatic flushing may cause water to flow unintentionally and water to overflow from the SpaLet bowl.		5
Water flow is poor or the SpaLet does not completely flush.	Do not flush large quantities of toilet paper.	Toilet paper does not completely flush when a partial flush is used. Use a full flush instead.	17
		A full flush corresponds to approximately 5 m/16-1/2 Ft. of toilet paper.	5
The floor is wet. (the surface of the SpaLet bowl and water shutoff valve are wet)	There may be a difference between the water temperature and the room temperature, which causes condensation to form.	Using a fan or opening a window can reduce condensation.	27
The floor is wet. (the surface of the SpaLet bowl and water shutoff valve are not wet)	Urine may be dripping from the SpaLet onto the floor.	Wipe the floor and see if the problem recurs. If the floor is still wet, disconnect the power plug from the outlet and have the SpaLet serviced.	—
A gurgling sound is heard when cleaning the SpaLet.	This is not a malfunction. When flushing the SpaLet, air is also discharged with the water, which causes the gurgling sound.	If this continues for more than 2 seconds, it can be reduced by installing a vent pipe or similar. .	—
A dripping sound is heard from the drain pipe after flushing.	This is not a malfunction. This is waste water dripping into the drain pipe under the floor.		—
There is little water in the SpaLet bowl	The amount of water in the SpaLet bowl varies depending on the type of SpaLet, such as siphon or gravity types.		—
Water splashes when flushing	Flushing requires water at a pressure sufficient to remove waste from the bowl. Accordingly, splashing may occur because of the water flow.		—
Water may splash during use.	This is caused by water in the bowl. This design is required due to the important role it plays in preventing odors from the waste drain and in preventing waste sticking to the bowl.	Adjust your sitting position or place toilet paper in the bowl before use.	—

Troubleshooting

Ceramic Portion of SpaLet® Bowl (Continued)

Symptom	Cause	Solution	Page
There is a pink stain on the ceramic portion of the SpaLet bowl.	Microorganisms in the air feed on nutrients in soiled SpaLet bowls. These microorganisms live in the air and water, and are not harmful to healthy people.	Please clean the bowl using a neutral detergent. These bacteria propagate easily, so it is recommended to clean frequently. Bleach is effective at disinfection.	—
There are black blemishes on the ceramic portion of the SpaLet bowl.	During flushing, water containing rust from within the water supply piping flows into the SpaLet bowl.	Leave a cloth moistened with an acidic toilet cleaner on the discolored portion for several hours, and then wipe clean with another cloth. * Do not use this method on a regular basis. It should only be used for spot cleaning.	—
There are deposits of red rust in the SpaLet			—
After cleaning the ceramic portion of the SpaLet bowl, metallic scratches are left on the bowl.	Because the SpaLet bowl is harder than metals, traces of metal can be left on the bowl when these materials make contact. These are not scratches in the bowl. This is simply contamination from the metal.	Leave a cloth moistened with an acidic toilet cleaner on the discolored portion for 1 hour, and then wipe clean with another cloth. As an emergency measure, these can be removed using a commercially available toilet cleaner that contains an abrasive. * Ensure that you only rub softly, as rubbing with too much force may remove the glazing from the bowl. Do not use this method on a regular basis.	—
Young children's waste adheres to the bowl and does not flush away.	When used by young children, their sitting position may cause waste to fall onto the front of the bowl, which may not properly flush away.		—
The SpaLet is new, but the bottom looks yellowish.	The Night Light or other illumination may cause shadows that make it look as if the bottom of the SpaLet is dirty.	Turn any such lights off and check again.	—
Cannot flush barium.	Barium and other heavy substances that are not water soluble might not wash away completely with one flush.	Break down barium or other debris remaining in the SpaLet bowl with a toilet brush and flush several times.	5

Troubleshooting

Other

Symptom	Cause	Solution	Page
There are water drops on the bottom of the SpaLet® and the bottom of the water shutoff valve.	Condensation has formed due to high humidity.	Frequently wipe the water drops. Also make sure that there is sufficient ventilation.	—
There are water drops on the underside of the SpaLet seat.	Water drops from the nozzle spray land on the underside of the SpaLet seat.	Frequently wipe the water drops. Additionally, sitting further back on the seat when using the nozzle spray will lessen splashing.	—
A gurgling sound comes from the SpaLet seat <ul style="list-style-type: none"> • Power plug is connected to an outlet • Nozzle spray has stopped 	This is not a malfunction. This is the sound of the motor operating during normal nozzle spray SpaLet operation. If the water pressure and nozzle position can be adjusted properly, then there is no problem.		—
A hissing sound is coming from the SpaLet.	This is the sound of the plasmacluster ion generator. It is not a malfunction. The type of sound may vary. The sound may appear quieter or louder depending on the usage environment. This has no bearing on the plasmacluster ion effect.		—
The power indicator is flashing.	Water supply is not connected to the SpaLet due to a suspended water supply or closed water shutoff valve.	After restoring the water supply, open the water shutoff valve and test operation. If the the power LED is still flashing, then disconnect the power plug and have the SpaLet serviced.	7
	Several functions are malfunctioning.	If the power LED flashes after the power has been turned off, this indicates that the SpaLet is damaged. Disconnect the power plug from the outlet and have the SpaLet serviced.	—
	An anti-freezing heater is attached to the water supply hose or other pipe.	Turn off the anti-freezing heater. When the water temperature exceeds 40°C/104°F, the safety system in this product stops operation.	—

Troubleshooting

Other (Continued)

Symptom	Cause	Solution	Page
<ul style="list-style-type: none"> There is play in the SpaLet® seat. One of the feet on the back side of the SpaLet seat is not making contact with the SpaLet bowl. 	<p>This is not a malfunction.</p> <p>The construction of the SpaLet seat is different at the top and bottom sections. For this reason, there are gaps between the SpaLet seat feet and the SpaLet bowl.</p> <p>This SpaLet seat is designed so that only one front foot makes contact with the SpaLet bowl. Therefore, the SpaLet can continue to be used.</p>		—
There is a gap between the SpaLet body and ceramic portion.	<p>This is not a malfunction.</p> <p>A gap may be visible due to the individual differences of fired ceramic products.</p> <p>Please continue use.</p>		—
Water is leaking	The strainer is loose.	Tighten the strainer.	43
	There is debris on the strainer.	Clean the strainer.	43
	The temperature is too high. Condensation is forming.	Frequently wipe the water drops. Also make sure that there is sufficient ventilation.	—
Reset all settings back to the default settings.	Reset all settings changed using the procedures described in the "Useful Functions" section to the default settings.	Perform the procedure to reset settings to default settings.	24
Using the SpaLet causes the room lighting to flicker.	<p>This is not a malfunction.</p> <p>This can happen due to the temporary increase in power consumed to heat the water for the shower spray. Please continue use.</p>		—
The nozzle shutter does not close.	<p>This is not a malfunction.</p> <p>The nozzle shutter opens while the air shield deodorizer, bowl cleansing, and room refresh functions are operating. Turn off settings as necessary.</p>		—
The SpaLet bowl is illuminated in blue.	This is normal and not an issue.	If you prefer this feature off, turn off the blue light setting.	23
The occupied seat mode was interrupted and reset.	The occupied seat mode may be interrupted and reset as the result of electromagnetic environment.		—

Specifications

Model Number		297AA204 Combo	
Rated Voltage/Frequency		120 VAC at 60 Hz	
Maximum Power Consumption		1300 W	
Feed-water Pressure	Required Minimum Pressure	At least 0.175 MPa /25 PSI (Hydrostatic Pressure) and 0.10 MPa /14.5 PSI (Flow Pressure) and 17L/min. when flowing.	
	Maximum Pressure	0.75 MPa/108.8 PSI (hydrostatic pressure)	
Operating Temperature Range		0°C - 40°C (32°F - 104°F)	
Product Dimensions		375 mm (14-3/4") in width x 650 mm (25-1/16") in depth x 523 mm (20-9/16") in height	
Product Weight		Approximately 34 kg/75 lbs (body: 12 kg/26.5 lbs, toilet bowl: 22 kg/48.5 lbs)	
Power Cord		Effective Length: 1.0 m (39-3/8")	
Toilet bowl	Flushing Water Volume	Full flush: 5.0 L/1.3 gal, Partial flush: 3.5 L/0.9 gal	
	Water Supply System	Direct connection to water supply	
	Flushing Method	Direct valve system	
Seat unit	Washing	Water Supply System	Direct connection to water supply
		Rear Washing Volume	Rear washing: 0.43 L/min. (14.5 oz) when the water supply pressure is 0.2 MPa (29 PSI) (Spray strength: 6 levels of adjustability via pulse method)
		Rear Washing - Mild Volume	Rear washing - mild: 0.45 L/min. (15.2 oz) when the water supply pressure is 0.2 MPa (29 PSI) (Spray strength: 6 levels of adjustability via pulse method)
		Front Washing Volume	0.45 L/min. (15.2 oz) when the water supply pressure is 0.2 MPa (29 PSI) (Spray strength: 6 levels of adjustability via pulse method)
		Water temp.	Water temperature: Approx. 32 - 40°C (89.6 - 104°F) (6 levels of adjustability)
		Heater Capacity	1240 W
		Safety System	Temperature fuse, high-temperature detection thermistor, and flow rate sensor
	Warm Air Drying	Air Flow	0.30 m ³ /min. (10.6 ft ³ /min.)
		Air Temperature	Room temperature or approx. 40 - 55°C (104 - 131°F): (3 levels of adjustability)
		Heater Capacity	500 W
		Safety System	Temperature fuse
	Bowl Sterilization	Air Flow	Exhaust and intake air flow: 0.04 m ³ /min. (1.4 ft ³ /min.)
		System	Decomposition and removal using Plasmacluster technology (air recirculation)
	Room Refresh	Air Flow	Exhaust and intake air flow: 0.04 m ³ /min. (1.4 ft ³ /min.)
		System	Chemical absorption system with a deodorizer cartridge and decomposition and removal using Plasmacluster technology
	Seat heating	Surface Temperature	Room temperature or approx. 28 - 36°C (82.4 - 96.8°F) (6 levels of adjustability) Advanced power save is active: Room temperature or approx. 27 - 30°C (80.6 - 86°F) One-touch power save: Room temperature
		Heater Capacity	48 W
		Safety System	Temperature fuse
	Deodorizer	Deodorizing Method	Chemical absorption system with a deodorizer cartridge
		Deodorizing Capacity	Exhaust and intake air flow: 0.04 m ³ /min. (1.4 ft ³ /min.)
Remote Control	Smart Remote Control Unit	Dimensions	W 239 mm (9-7/16") x D 29 mm (1-1/8") x H 45 mm (1-3/4")
		Power	AAA alkaline batteries: 2 Pieces
		Communication Protocol	Infrared
		Display	LCD

LIMITED WARRANTY

This SpaLet® comes with a three year warranty on all parts of the SpaLet. If inspection of this American Standard plumbing product, inclusive of the chinaware and all mechanical parts, confirms that it is defective in materials or workmanship, American Standard will repair or, at its option, exchange the product for the same or a similar model.

This limited warranty applies only to the original non-commercial purchaser and installation of the products. In the event of a limited warranty claim, proof of purchase will be required—save sales receipts.

For this warranty to become effective, the warranty registration process must be completed via the internet or telephone per the warranty registration instructions.

This limited warranty does not apply to commercial installations. The warranty for commercial installations is two years on the SpaLet.

This warranty does not apply to local building code compliance. Since local building codes vary considerably, the purchaser of the product should check with a local building or plumbing contractor to ensure local code compliance before installation.

This warranty will be void if the product has been moved from its initial place of installation; if it has been subjected to faulty maintenance, abuse, misuse, accident or other damage; if it was not installed in accordance with American Standard's instructions; or if it has been modified in a manner inconsistent with the product as shipped by American Standard. The warranty will be void if the product has failed as a result of worn-out of consumable parts such as packing, fuses, batteries.

WARNING: This warranty DOES NOT COVER any damages caused by the use of harsh cleaners. These products can seriously corrode the product components. This damage can cause leakage and property damage. American Standard will not be responsible or liable for any damage caused by the use of in-tank cleaners.

American Standard's option to repair or exchange the product under this warranty does not cover any labor or other costs of removal or installation including any costs of any surrounding material such as tile or marble. American Standard is not responsible for any other incidental or consequential damages attributed to a product defect. (Some states or provinces do not allow the exclusion or limitation of implied warranties, so this exclusion may not apply to you.)

This warranty gives you specific rights. You may have other statutory rights that may vary from state to state or province to province, in which case this warranty does not affect such statutory rights.

How to register the warranty:

PLEASE COMPLETE AMERICAN STANDARD WARRANTY REGISTRATION AND SAVE THIS WARRANTY INFORMATION.

IMPORTANT: Registration of the SpaLet must be completed for this warranty to become effective. Your registration will make it easier to service your product.

INSTRUCTIONS: Register your SpaLet at www.americanstandard.com. Please save your point of purchase (sale receipt).

IF YOU HAVE ANY QUESTIONS, OR PARTS ARE DAMAGE OR MISSING, DO NOT CONTACT, OR RETURN, THIS PRODUCT TO THE STORE. CONTACT CUSTOMER SERVICE.

American Standard Brands
One Centennial Avenue
Piscataway, New Jersey 08854
Attention: Director of Customer Care

For residents of the United States, warranty information may also be obtained by calling the following toll free number: (800) 442-1902
www.americanstandard.com

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*American
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GCW-1356-US-ASB(19010)