

## Installation Manual

## Satis S Type: Seat Unit

Model: DV-S618-VH-W/DV-S618P-VH-W

Thank you for purchasing this product.

<b>CAUTION</b>	<ul style="list-style-type: none"> <li>Carefully read this installation manual to install this product correctly.</li> <li>Be sure to test operation after installation has been completed.</li> </ul>
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## Observe Listed Safety Precautions!

These safety precautions are essential for proper installation and use of this product. Please read the precautions thoroughly before installing this product in order to ensure trouble-free installation.

## Explanation of Hazard Symbols

**WARNING** ... Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**CAUTION** ... Indicates a potentially hazardous situation which, if not avoided, may result in only minor or moderate injury or damage to other property.

## ⚠ WARNING

**OBSERVE** Install this product according to this installation manual.  
 \* This may cause electric shock, fire, or injuries.  
 \* Failure to do so may result in leaks and flooding on the floor.

**PROHIBITED** Never disassembly or modify the product.  
 \* This may cause electric shock, fire, or injuries.

**NO WET HANDS** Do not remove or insert the power plug with wet hands.  
 \* This may cause electric shock.

**OBSERVE** Hold the plug body when removing or inserting the power plug.  
 \* Holding the cord while removing or inserting the power plug may damage the plug or the cord, causing electric shock or fire.

**PROHIBITED** Do not pour water or cleaning chemicals directly onto the unit or the power plug.  
 \* Failure to do this may cause electric shock or fire.

**PROHIBITED** Use only AC220 - 240 V.  
 \* Do not use multisocket.  
 \* Failure to do this may cause electric shock or fire.

**OBSERVE** Firmly insert the power plug into the outlet.  
 \* Failure to do so may cause electric shock or fire.

**PROHIBITED** Do not damage, break, work on, forcefully bend, pull, twist, bundle up, place heavy items on, or punch the power cord.  
 \* Failure to do so may cause electric shock or fire.

**PROHIBITED** Do not use a loose or ungrounded outlet.  
 \* Failure to do this may cause electric shock or fire.

**GROUND** Ensure the electrical outlet to which the power cord is connected is properly grounded, as failure to do so may cause electric shock, etc.

**PROHIBITED** Do not install this product in a wet or damp location, such as inside a shower room or steam room.  
 \* Failure to do this may cause electric shock or fire.

**PROHIBITED** Connect to the tap water only.  
 \* The inside of this product may become corroded, causing an electric shock, fire, or skin inflammation.

## ⚠ CAUTION

**OBSERVE** Flush any debris inside the toilet's water supply line prior to connecting the toilet bowl.  
 \* Damage inside this product may result in water leakage.

**OBSERVE** When removing the strainer, make sure to close the water shutoff valve and flush the toilet.  
 \* When installing the strainer, make sure that the water shutoff valve is tightened completely.  
 \* When installing the strainer, check that there is no debris remaining on the O-ring.  
 \* Check that the O-ring is free from foreign materials, as failure to do so may result in water leakage and flooding.

**PROHIBITED** Do not insert a hand between the seat unit and the toilet bowl while the seat unit is electrically falling down.  
 \* Doing so may cause the hand being caught between the units causing injuries.

**OBSERVE** Check the water shutoff valve for leakage after installation.  
 \* Failure to do so may result in leaks and flooding on the floor.

**OBSERVE** If freezing weather is anticipated before handing this product to the customer, drain the water and leave it.  
 \* Failure to do so may cause damage from freezing and result in flooding on the floor.  
 \* Failure to do so may cause damage from freezing and result in a fire.

**OBSERVE** Ensure to remove the air in the pipe after a new construction and renovation or recovery from a water failure.  
 \* If the water supply appliance is used with the air remaining in the pipe, it may cause damage or failure to the appliance and pipe, resulting injury or water leakage that may lead to a property damage including drenched building and/or household goods.

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## Power Supply

Follow the instructions below when preparing the electrical outlet for this product.

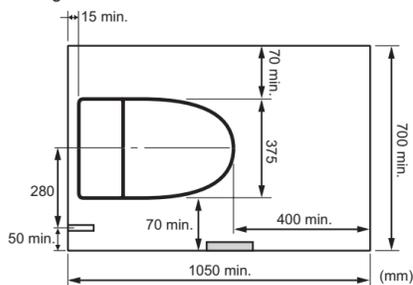
- Use only **AC 220-240V** power supply with a rating of **1300 W**. Check local electrical codes.
- Make sure this product is grounded correctly.
- Do not use an extension cord or any other kind of adapter to connect this product to an outlet.
- The length of the power cord is 1 m.
- Do not connect the power plug to the outlet until the installation is completed. Failure to follow this instruction may cause the product to malfunction.

## Water Pressure

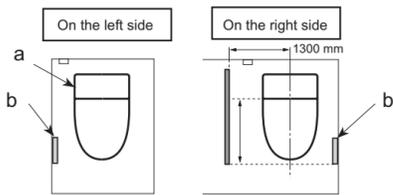
**MINIMUM: 0.10MPa (FLOWING AT A RATE OF 17L/min), MAXIMUM: 0.75MPa**

## Minimum Installation Clearance

The required space and amount of clearance are shown in the figure below.



## Installation position of the remote control



Install the remote control on the left wall when facing the toilet unit, so that it is on the same side as the remote control signal receiver as far as possible. If, for any chance, the remote control has to be installed on the right side, check if the receiver will receive the signal, beforehand. Moreover, if the wall is some distance away from the toilet unit, for example due to a layout such as a wash stand being installed between the wall and the unit, the signal may not be received by the receiver. If this is the case, erect a screen which can reflect signals within 1300 mm from the center of the toilet bowl. This screen should be at least 1100 mm in height and should cover the distance between the signal receiver and the remote control's installed position. (Note that the conditions may vary a little depending on the wall finish and color.)

- a Remote control signal receiver**  
**b Remote control**

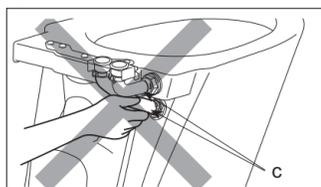
## Do Not Place Seat Unit on Floor!

Never place the seat unit on the floor, as this may result in **breakage of the seat unit's mounting bolts or water supply inlet.**

## Notes Prior to Installation

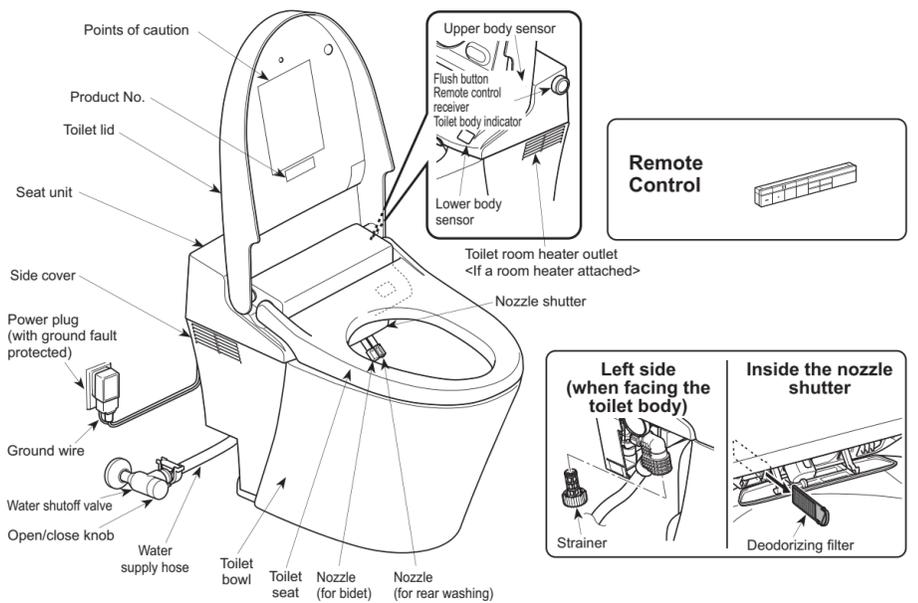
**Do not hold the hose at the rear of the toilet bowl.**  
 \* If the hose is removed, then this may cause leaks, and the toilet will not flush properly.

## c Hoses



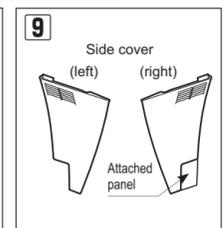
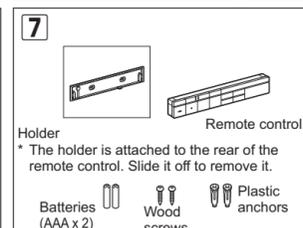
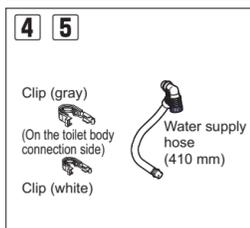
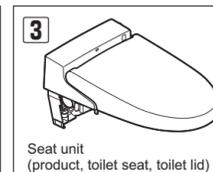
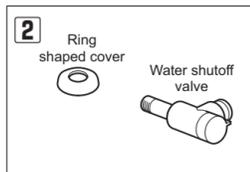
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## Parts names



## Checking Parts (check inside the package)

Numbers in □ indicate the steps in the procedure.



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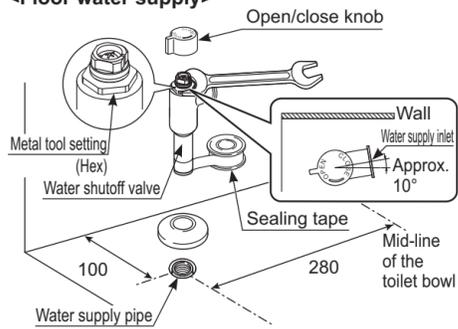
## 1 Mounting the Toilet Bowl

1. Mount the toilet bowl as described in the installation manual included in the product package.

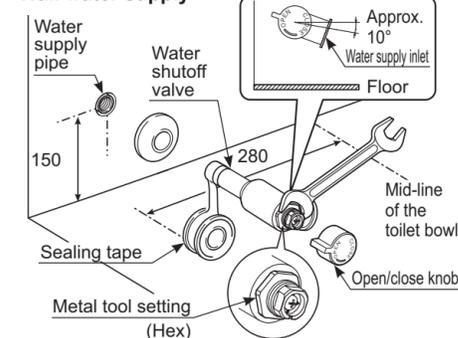
## 2 Attaching the water shutoff valve [See Note 2-1]

1. Remove the open/close knob

<Floor water supply>



<Wall water supply>



2. Affix the water shutoff valve to the water supply pipe.

Perform this step after finishing the wall and floor.

Attach the sealing material (sealing tapes) to the threaded section.

\* Hook the tool on the hook setting (hex) on the water shutoff valve, and fasten it.

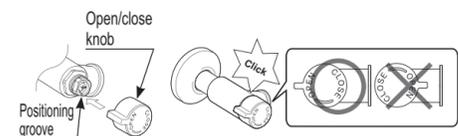
[See Note 2-2]

Wall water supply ... Mount the water supply inlet at approx. 10° downward relative to the horizontal level.

Floor water supply ... Mount the water supply inlet at approx. 10° tilted to the wall.

3. Install the open/close knob

\* Check that the water shutoff valve is closed.



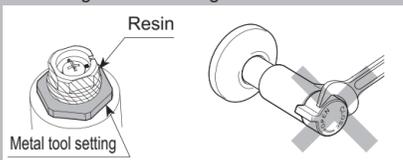
### [Note 2-1]

- Do not push or step on the water shutoff valve.
  - \* The pipe may come loose, or the water shutoff valve may be damaged, resulting in water leakage.
  - \* The wall or floor may also be damaged.

- Affix the water shutoff valve water supply inlet in such a way that the water supply hose is not crimped.

### [Note 2-2]

- Ensure to hook the tool on the metal tool setting (hex).
  - \* The water shutoff valve may be damaged, resulting in water leakage.

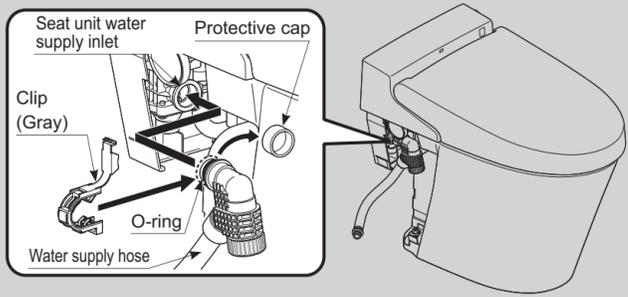


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## 4 Connecting the Water Supply Hose <Seat Unit End>

### Installation diagram

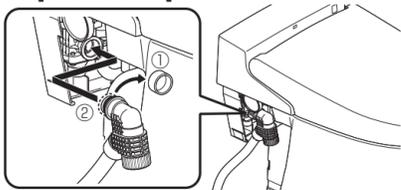
Do not apply excessive force when connecting the water supply hose.



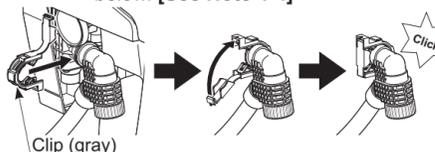
1. Install the water supply hose to the seat unit.

- Remove the protective cap.
- Connect the water supply hose.

[See Note 4-1]



- Bend the clip to firmly fix the water supply hose to the seat unit water supply inlet.
  - [See Note 4-2], [See Note 4-3], [See Note 4-1]
  - After affixing, rotate the clip, and check that it is attached properly.
  - Also, pull the water supply hose gently to ensure that it is connected properly.
  - The clip can only be attached in the specified direction as shown in the figure below. [See Note 4-4]

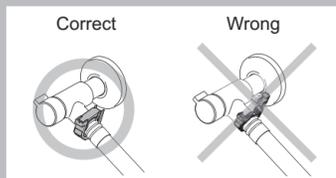


### [Note 4-1]

- Remove the cap on the water supply hose water shutoff valve immediately prior to attaching the water shutoff valve.
  - \* During installation, debris may enter the water supply hose, resulting in a valve malfunction.

### [Note 4-2]

- Take care that the O-ring is not damaged.
  - \* If the O-ring is broken or otherwise damaged, water leakage may occur.
- Attach the clip firmly.



### [Note 4-3]

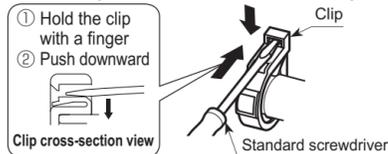
- Seat the clip firmly until it makes an audible click.
  - \* Water leakage may result.

### [Note 4-4]

- Install the clip horizontally to the side of the toilet body.
  - \* If pushed on with an angle, then the clip cannot be bent to affix it properly.

### [Reference 4-1]

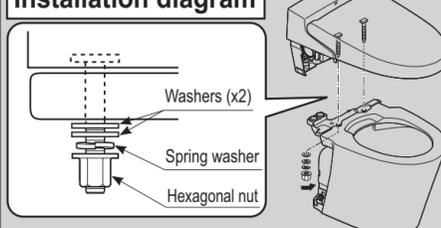
- Push the clip downward to remove the clip.



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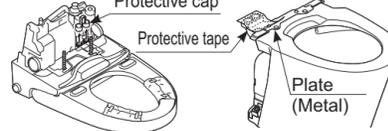
## 3 Mounting the Seat Unit

### Installation diagram

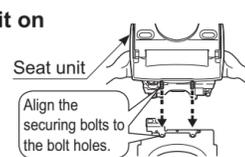


1. Remove the protective cap and tape. [See Note 3-1]

<Rear of seat unit>



2. Set the seat unit on the toilet bowl. [See Note 3-2]

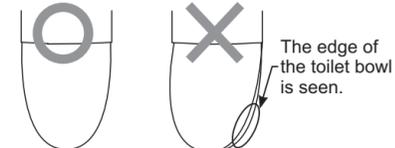


3. Affix the seat unit.

- Place the washers (two) and spring washer over each fixing bolt, and affix the nut.
- Fasten the nut with a hand. [See Note 3-3]



- Align the tip of the toilet lid to the tip of the toilet bowl.



- Tighten the nut with the included tool. (Torque at 2.0 - 2.5 N·m {20 - 25 kgf·cm})

4. Remove the protective seat from the toilet seat.



### [Note 3-1]

- Do not remove the plate (metal item).
  - \* Water leakage may result.

### [Note 3-2]

- Check that this product is firmly affixed to the toilet bowl.
- Check that there is no debris on the toilet bowl or seat unit washing water inlet.
  - \* Water leakage may result.

### [Note 3-3]

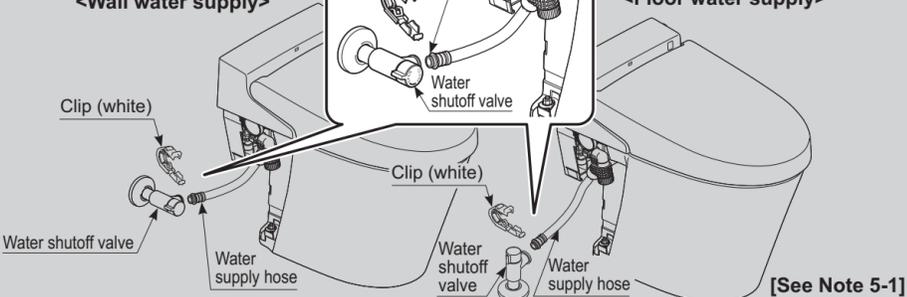
- Tighten the left and right hexagon nuts alternatively in order to ensure even tightening.
  - \* Water leakage may result.

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## 5 Connecting the Water Supply Hose <Water Shutoff Valve End>

### Installation diagram

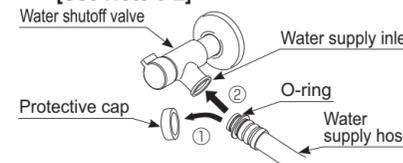
<Wall water supply>



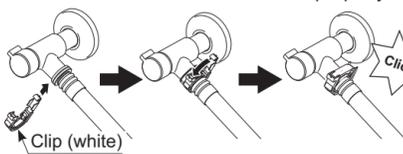
1. Install the water supply hose to the water supply hose.

- Remove the protective cap.
- Connect the water supply hose.

[See Note 5-2]



- Affix the clip in the same way as with the seat unit water supply inlet.
  - [See Note 4-2], [See Note 4-3], [See Note 4-1]
  - After affixing, rotate the clip, and check that it is attached properly.
  - Also, pull the water supply hose gently to ensure that it is connected properly.

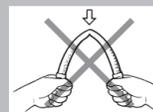


### [Note 5-1]

- Be careful not to impact the power plug, or let it fall into the toilet bowl.

### [Note 5-2]

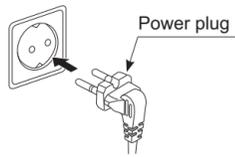
- Ensure that the water supply hose is not bent tightly or stretched. Do not use a hose that has been bent.
  - \* The hose may be damaged resulting in water leakage.
  - \* This may result in incomplete cleaning.



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## 6 Connecting to the Power Supply

1. Connect the power plug to the outlet.



### WARNING

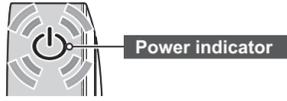


Ensure the electrical outlet to which the power cord is connected is properly grounded, as failure to do so may cause electric shock, etc.

2. Check that the power is on.

Confirm that the power indicator on the seat unit are illuminated.

- Flush button (indicator)

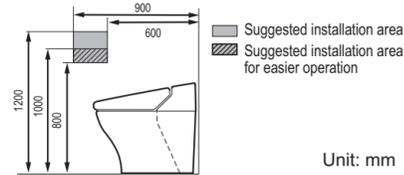


## 7 Positioning and Mounting the Remote Control

- Remote control installation position

Install the remote control to a position where the user can reach and operate it.

Install the remote control in the area shown as "Suggested installation area" in the figure below, and ensure to install the remote control on a position where it can be operated easily while the user is seated on the toilet seat.



- Sit on the toilet seat and ensure the installation position. [See Note 7-1]

Temporarily install the remote control to the target position, and sit on the seat unit and press the [STOP] button (ensure to perform a test operation after installation).

Then, stand in front of the toilet bowl and push the [STOP] button to ensure that a beep sound is generated from the seat unit.

- Do not push the [SHOWER] or [BIDET] button: water would come out from the seat unit.
- Ensure that there is enough space above the remote control installation position to allow easy removal and mount of the remote control.

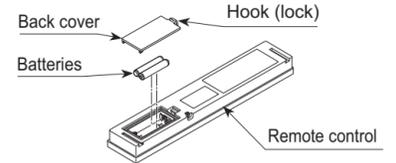


### Installation Procedure

#### 1. Installing the Batteries and Confirming the Remote Control Installation Position

1. Open the back cover of the remote control, and install the included batteries (AAA x 2). [See Note 7-1]

\* Use a tool such as a flat-blade screwdriver to push the hook (lock) to remove the cover.

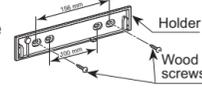


2. Confirm the remote control installation position.

#### 2. Mounting the Remote Control

1. Remove the holder from the remote control.
2. Install the holder to the installation position using an appropriate method for the wall. [See Note 7-2]

\* Out of 4 slots, use the outer 2 slots (with A marks). If the holder can be installed only with a hole pitch at 100 mm, use the inner 2 slots.



#### [For a plywood wall (> 5 mm thick)]

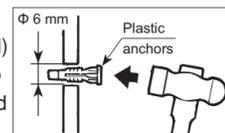
Affix the holder firmly with the supplied wood screws.

#### [For a plywood wall (<5 mm thick) or a plaster board wall]

- ① Make the pilot holes with 6 mm diameter.

(5 mm diameter for a plaster board wall)

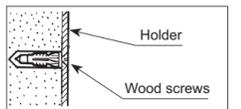
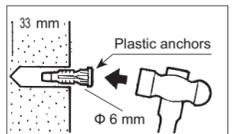
- ② Use a hammer to insert the supplied plastic anchors gently.
- ③ Affix the holder firmly with the wood screws.



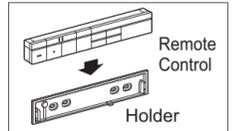
The wood screws are tight at the beginning, and then loosened once and tightened again.

#### [For a concrete wall]

- ① Make the pilot holes with 6 mm diameter and approx. 33 mm depth.
- ② Use a hammer to insert the supplied plastic anchors gently.
- ③ Affix the holder firmly with the wood screws.

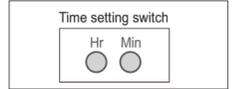


3. Align the remote control to the holder, and push downward to mount the remote control.



4. Press the [Hr] and [Min] buttons to set the current time.

\* Pay attention to AM and PM.

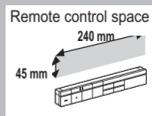


### [Note 7-1]

- Ensure to install the batteries in the correct direction (note the negative and positive).
- Do not mix old and new batteries.
- Use the supplied batteries.

### [Note 7-2]

- Ensure that there is enough space above the remote control installation position to allow easy removal and mount of the remote control (see the figure below).



## 8 Test Operation

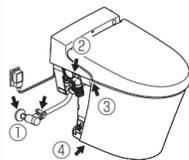
(Follow the steps below to conduct a test operation when installation is completed.)

- Is there any water leakage?

[See Note 8-1]

1. Open the water shutoff valve.

Checked	Details
<input type="checkbox"/>	Is there any leak? * Flush the toilet several times. (Water leakage at the supply/drain water connecting sections may not be observed unless the toilet is flushed several times.)
<input type="checkbox"/>	① Between the water shutoff valve and the water supply hose
<input type="checkbox"/>	② Between this product and the water supply hose
<input type="checkbox"/>	③ Between this product and the toilet bowl
<input type="checkbox"/>	④ Between the toilet bowl and the floor



- Do the rear washing and front washing operate properly?

[See Note 8-2]

1. Connect the power plug to the outlet.
2. Roll up the sleeve and place the arm so that the palm is over the center of the toilet bowl.



Check item	Checked	Details
Rear washing nozzle	<input type="checkbox"/>	1. Does the warm water with an appropriate temperature come out from the nozzle? ① Press the [SHOWER] button.
	<input type="checkbox"/>	2. Does the shower stop when the [STOP] button is pressed?
Bidet nozzle	<input type="checkbox"/>	1. Does the warm water with an appropriate temperature come out from the nozzle? ① Press the [BIDET] button.
	<input type="checkbox"/>	2. Does the shower stop when the [STOP] button is pressed?

3. Remove the arm from the toilet bowl.

### [Note 8-1]

- Water leakage at the supply/drain water connecting sections may not be observed unless the toilet is flushed several times.

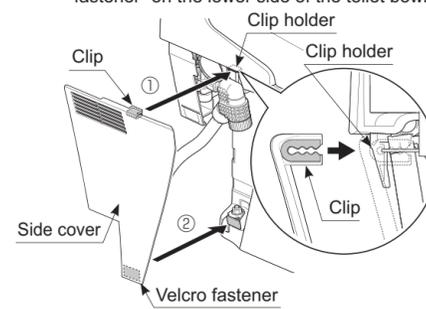
### [Note 8-2]

- This product is equipped with a seat sensor that detects the user. In order for the rear washing and front washing features to operate, the user must be seated.

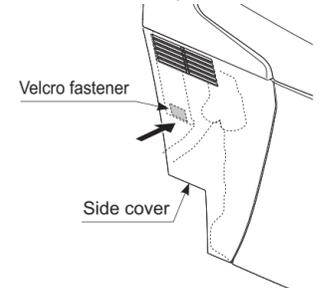
## 9 Mounting the Side Cover

1. Attach the side covers on both sides. [See Note 9-1], [See Reference 9-1], [See Reference 9-2]

- ① Insert the "clip" on the upper side of the side cover into the "clip holder" on the toilet bowl
- ② Align the lines of the toilet bowl and the side cover, and attach the side cover to the "Velcro fastener" on the lower side of the toilet bowl.



- ③ Push the center of the side cover to secure the "Velcro fastener" firmly.



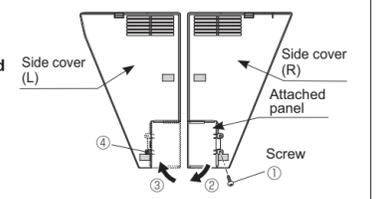
### [Note 9-1]

- Do not force the side cover to the toilet bowl.  
\* The cover may be damaged.

### [Reference 9-1]

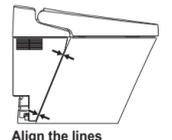
- If the water shutoff valve is located on the right when facing the toilet, remove the attached panel attached to the right side cover and attach it to the left side cover.

- ① Remove the screw on the back of the right side cover.
- ② Remove the attached panel from the right side cover.  
\*Remove in the direction indicated.
- ③ Attach the attached panel to the left side cover.  
\*Insert in the direction indicated.
- ④ Insert the screw on the back of the left side cover to fasten the attached panel.



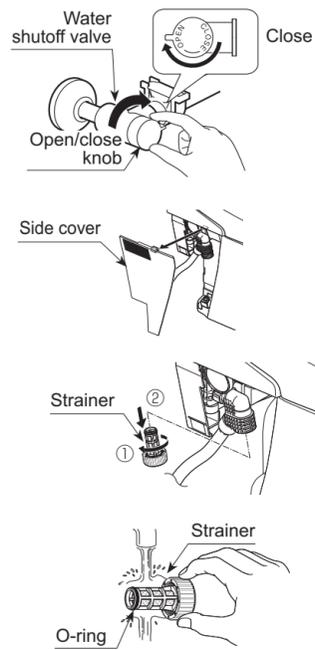
### [Reference 9-2]

- Align the side covers to the toilet bowl lines when installing the side covers.



**If the water does not flow well, clean the strainer.**

- (1) Close the water shutoff valve to stop the water supply.  
**[See Note 10-1]**
- (2) Press the [FLUSH/FULL] button or press the flush button on the toilet body.  
\* Wait approximately 20 seconds.  
\* Drain the water and remove the water pressure inside the toilet body.
- (3) Remove the side cover on the left (when facing the toilet body).
- (4) Rotate and remove the strainer on the lower left when facing to the toilet.  
\* A small amount of water may spill out when removing the strainer, so place a piece of cloth or similar on the floor.
- (5) Wash away all debris inside the strainer and from the O-ring.
- (6) Fully tighten the strainer.  
**[See Note 10-2]**
- (7) Attach the side cover.
- (8) Connect the power plug to the outlet.
- (9) Open the water shutoff valve.
- (10) Check for leaks from the water shutoff valve.



**[Note 10-1]**

- Do not remove the strainer when the water supply valve is open.  
\* Water will leak from the strainer.

**[Note 10-2]**

- When installing the strainer, make sure that the water shutoff valve is tightened completely.  
\* If this is not tightened completely, then there may be water leakage from the strainer.

**[Note 10-3]**

- How to drain the water from the toilet body  
\* Press both the [POWER SAVE ON/OFF] button and [AUTO CLEAN] button on the remote control at the same time for more than 2 seconds.