

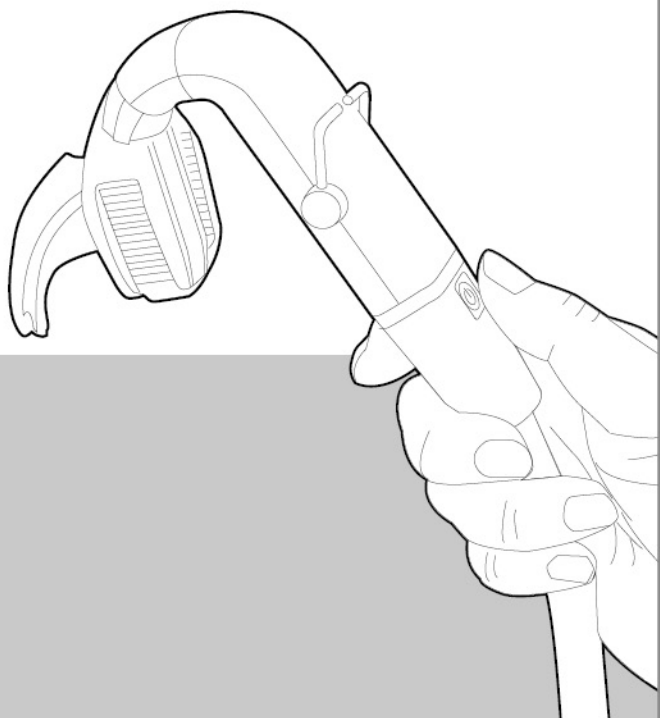
eBite plus

Dental light & Suction

Model AH-770, CH-550

USER MANUAL

- Illuminates and suctions a patient mouth
- Protects the patient's tongue for an optimal dental-care experience
- Secures and valuable space inside a patient's mouth



eBite plus

The eBite Plus is designed to make your patient's dental care experience much more comfortable while also providing a simple solution for intraoral illumination and suction.

The TIPS(tongue retractor) provides a tool to isolate and stabilize the tongue while providing an optimal light-source combined with suction to increase the efficiency of patient care.



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Directions for the safety

The directions for safe equipment operation are in place to protect the user from unexpected danger or harm, for the safety are enabling the user to use the product in a safe and an appropriate way, and eventually to prevent the user from unexpected danger or damage.



If the directions are not observed, it may result in harm or physical injury.



Failure to comply with the directions may result in death or serious injury.



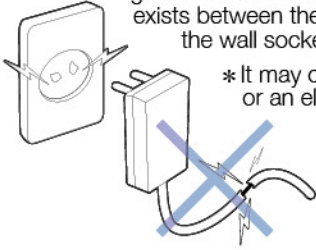
Make sure your hands are dry when removing the adapter from the wall socket.

- * It may cause an electric shock.



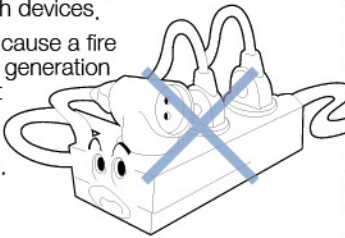
Do not use if the cord is damaged or if a loose connection exists between the plug and the wall socket.

- * It may cause a fire or an electric shock.



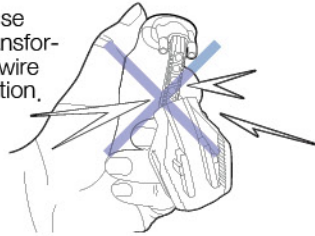
Don't overload any power strips with devices.

- * It may cause a fire due to generation of heat from a wall socket.



Do not use force to connect the components of the bite block.

- * It may cause electric transformation or wire disconnection.



Be sure to sterilize the TIPS(tongue retractors) and bite blocks in the autoclave after each use.

- * Improper sterilization can lead to secondary infection.

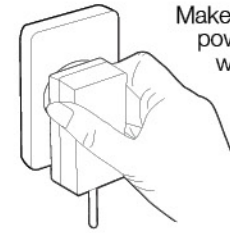


Do not attempt to split, repair or modify the eBite Plus, contact the service center if necessary.

- * It may cause an electric shock or a fire.

CAUTION

Follow the directions for both assembly and disassembly.

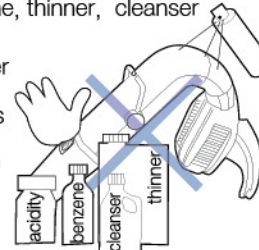


Make sure to insert the power adapter into the wall socket tightly.

- * Optimal lighting requires a secure connection between the wall socket and adapter.

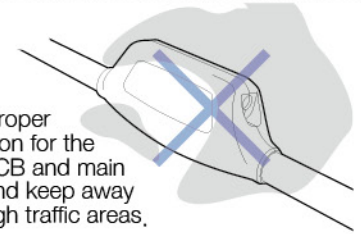
Do not use a detergent with acidity or alkalinity, benzene, thinner, cleanser or scrubber.

- * Use of cleanser containing these products can result in damage to the equipment.



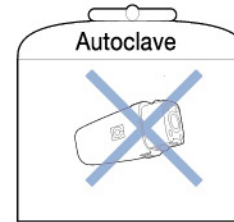
Allow proper ventilation for the main PCB and main body and keep away from high traffic areas.

- * It may cause malfunction of LED.(flickering)



Do not put any Parts in the autoclave that are not autoclavable.

- * It may cause breakdown.

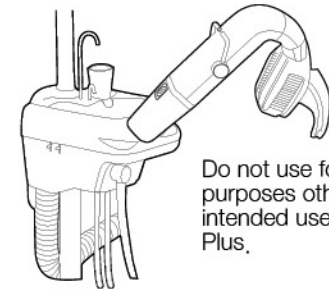
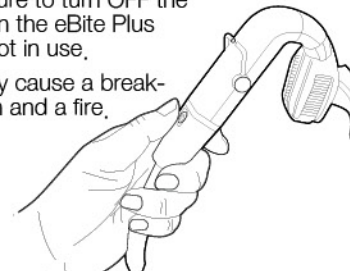


Allow the hose to move freely, it will adjust itself naturally.

- * It may cause hose disconnection or tangling.

Make sure to turn OFF the power in the eBite Plus when not in use.

- * It may cause a break-down and a fire.

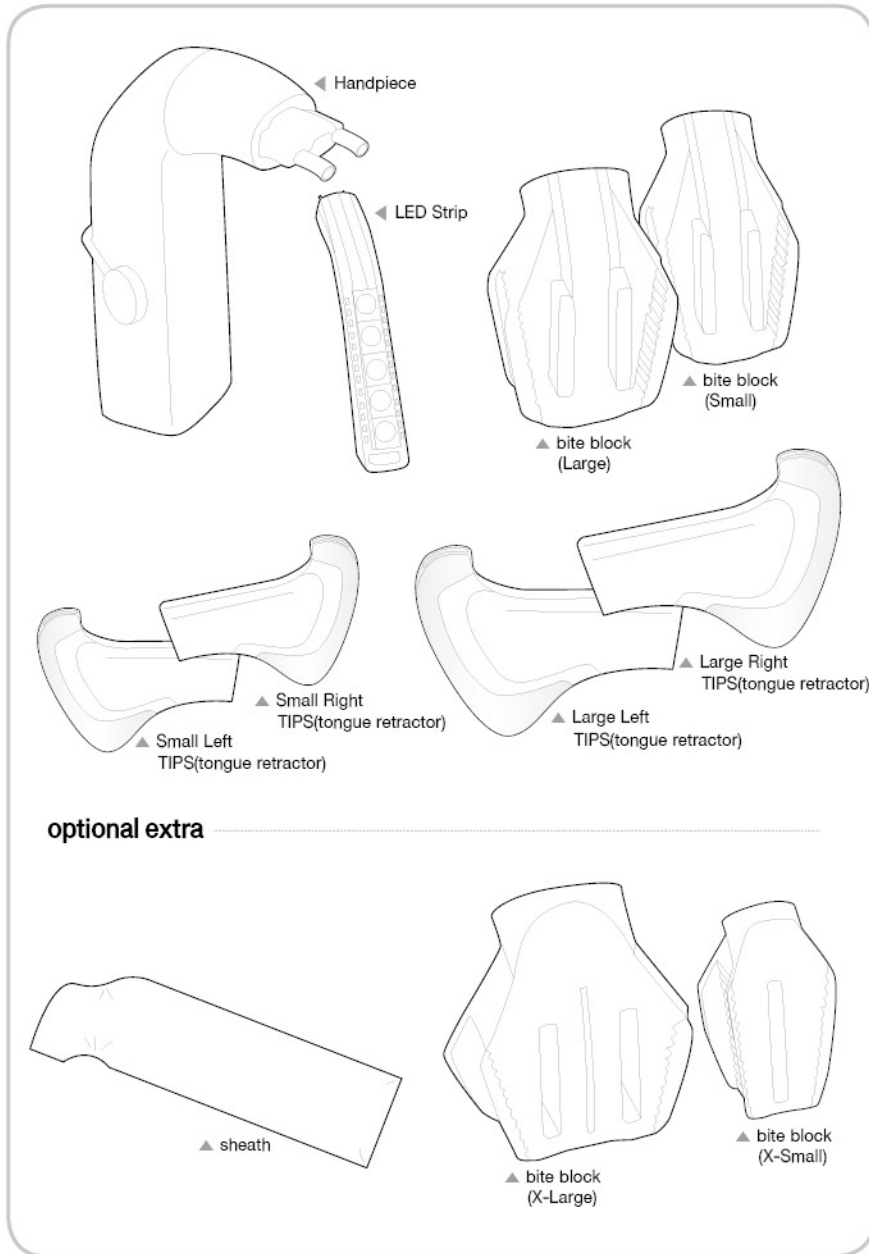


Do not use for any other purposes other than the intended use of the eBite Plus.

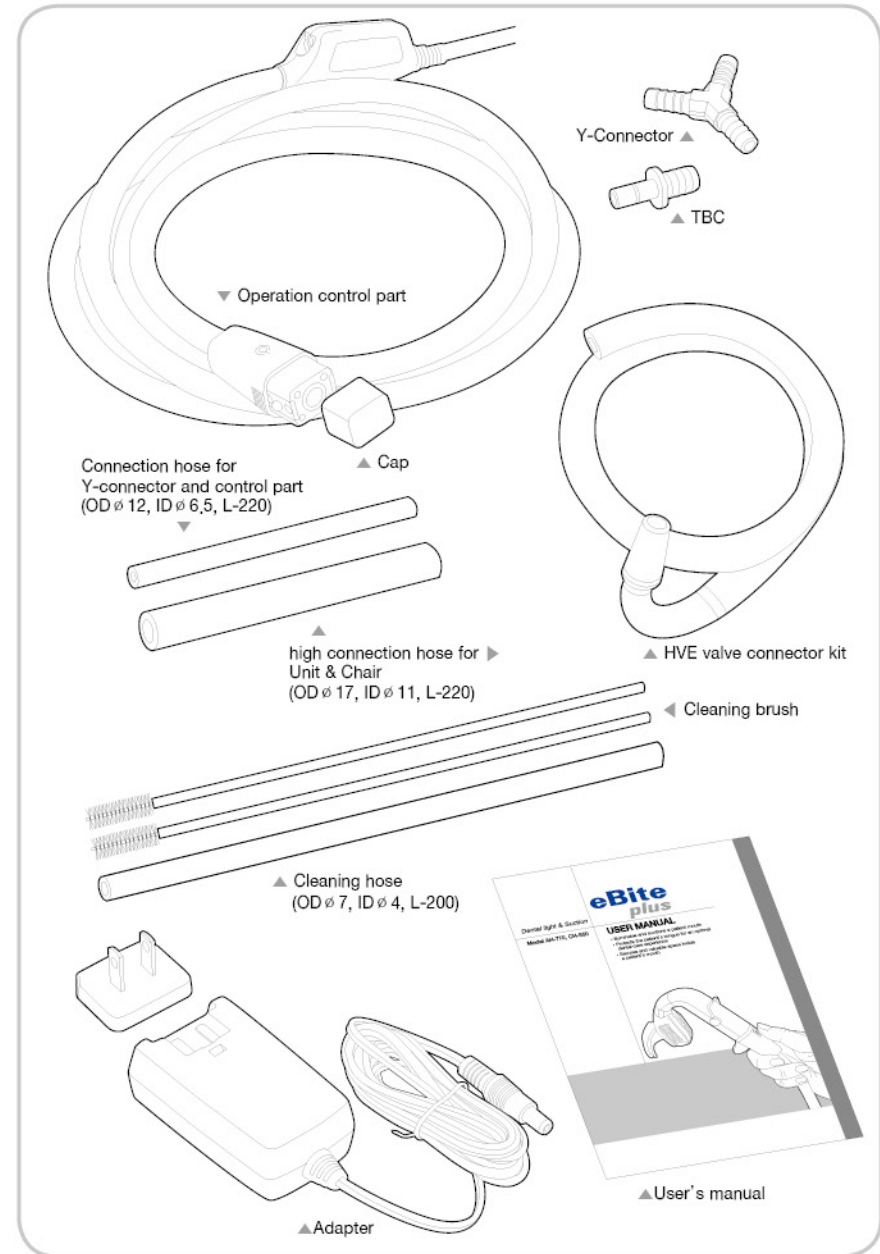
Product Parts

※ Make sure you have all the parts in good condition,

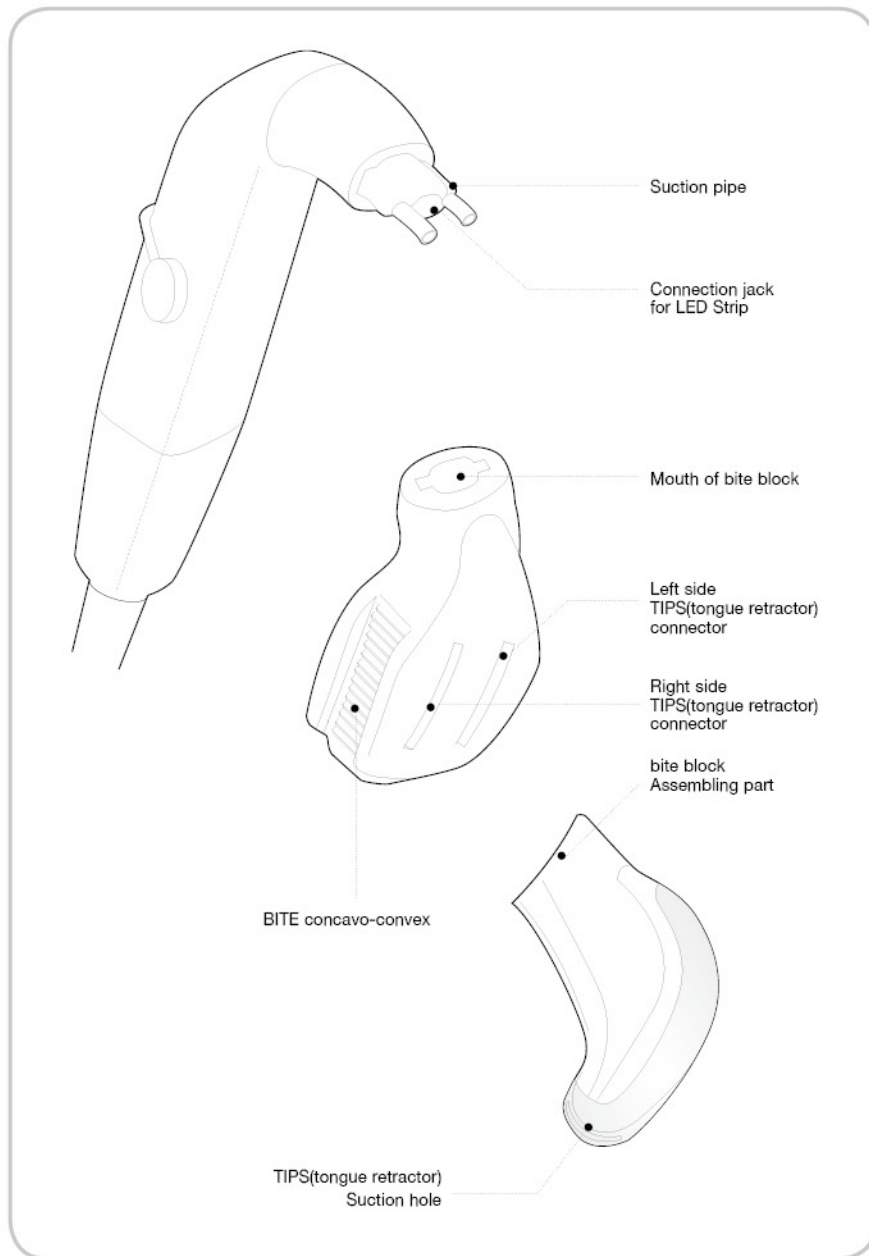
In the event of shortage or damaged parts please contact the service center to get any parts repaired.



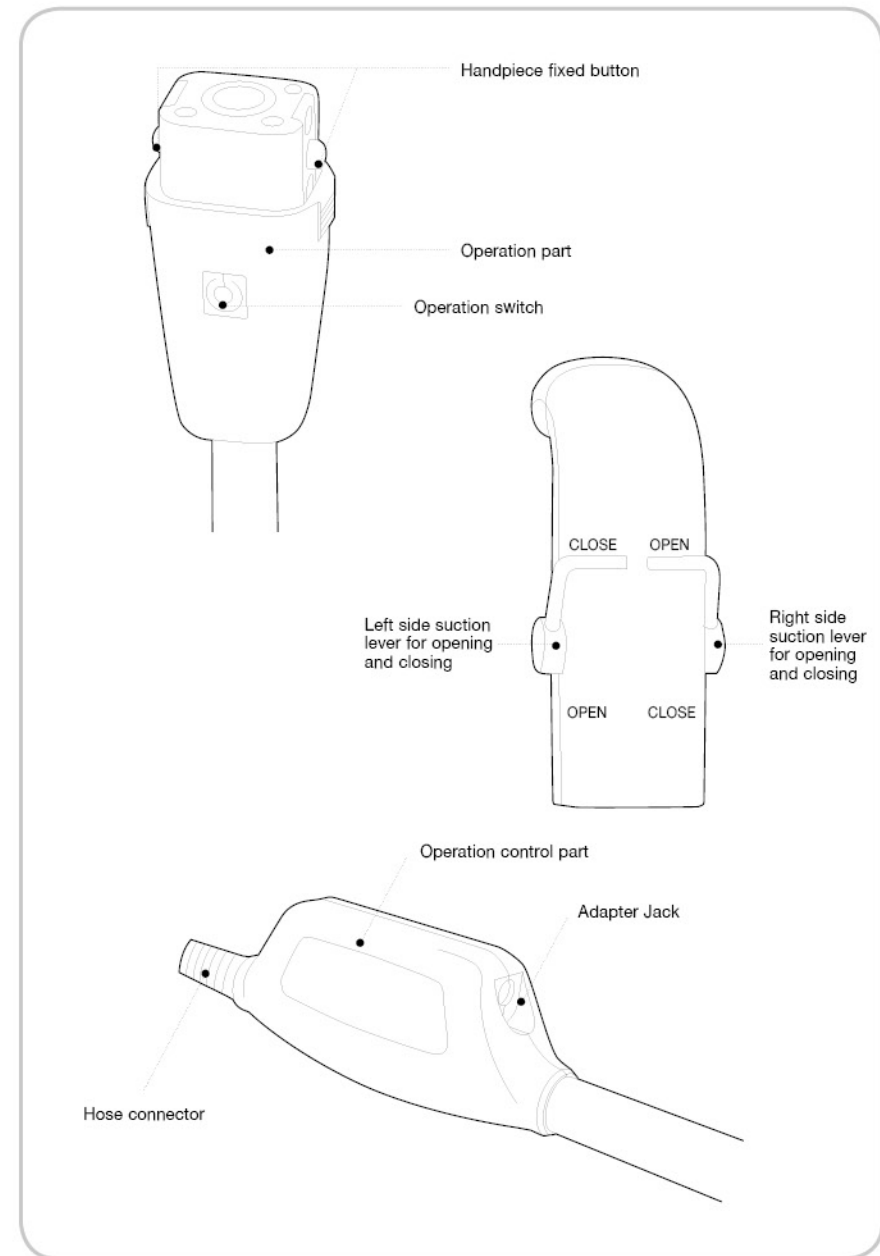
Product Parts



Part description

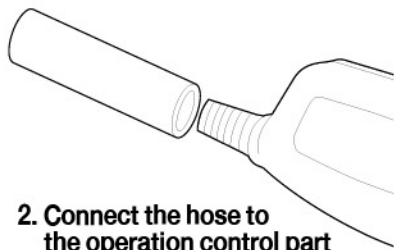


Part Description



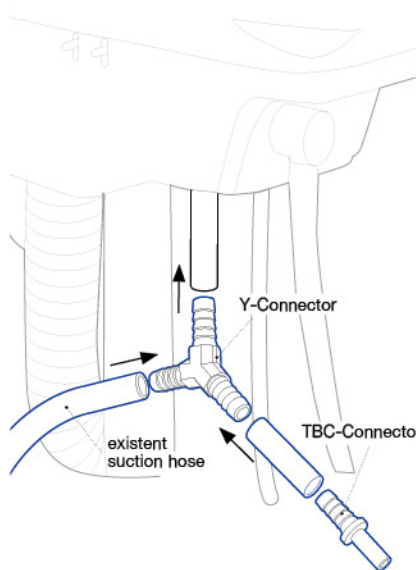
Assembly Instructions

Connection to Unit & Chair



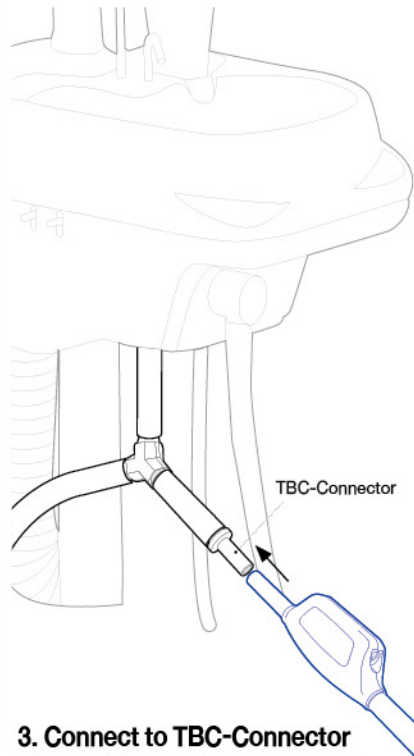
2. Connect the hose to the operation control part

connect the hose to the operation control,



1. Installing Y-Connector

- Attach short tubing to the HVE canister.
- Attach Y-connector to the opposing end of the short tubing.
- Attach TBC-connector to convert 1/2" to 1/4" and fit the operation control to the end of the TBC-connector.

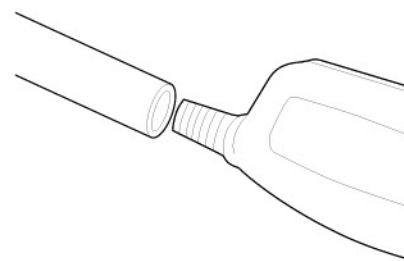


3. Connect to TBC-Connector

Connect the end of the operation control to the TBC-connector

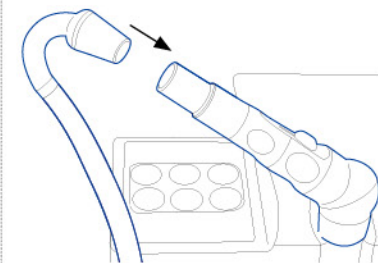
Assembly Instructions

HVE valve connector kit Connection to Unit & Chair



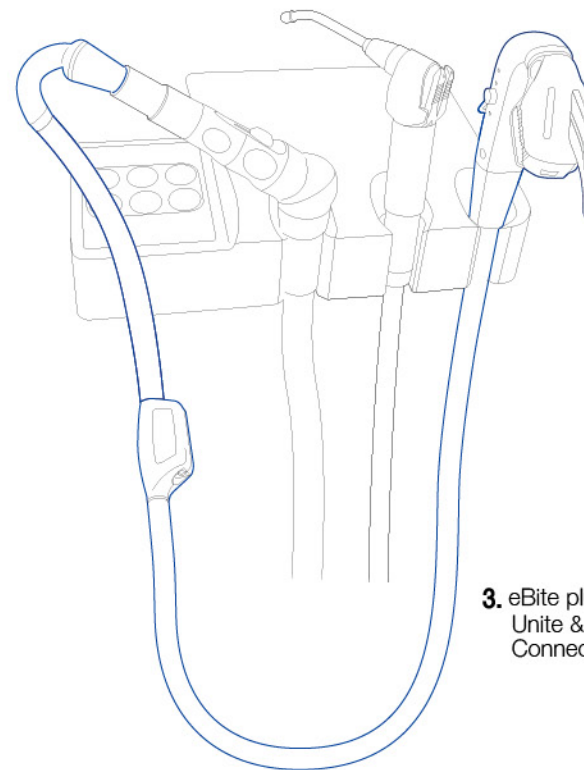
1. Connect the HVE valve connector kit

Connect the end of the operation control to the HVE valve connector kit



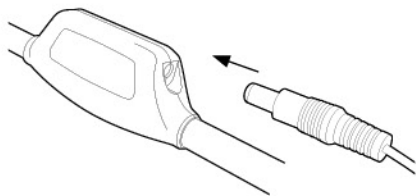
2. Connect to the high speed Suction hole

Insert HVE valve connector kit to the high speed suction hole in Unit & Chair



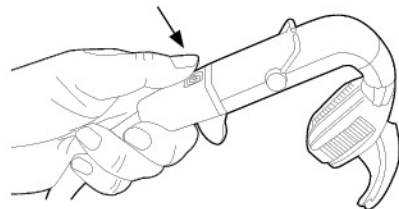
3. eBite plus connected to the Unit & Chair by HVE valve Connector kit

Assembly Instructions



6. Connect to power

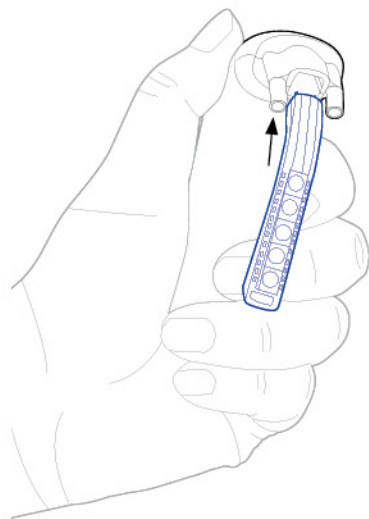
After connecting the adapter to the plug, connect it to the adapter jack of operation control part.



7. Confirm whether to be operated

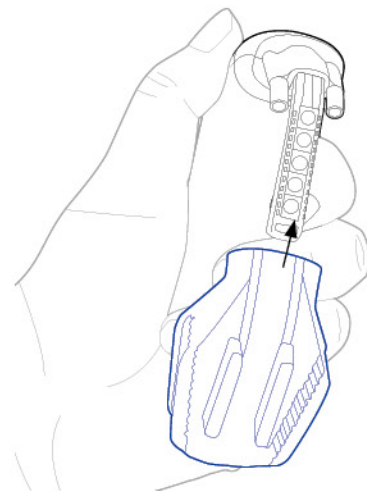
Make sure that the power supply and LED Strip are operating properly.

Assembling the Handpiece



1. Connect to power part

Insert and push the LED strip into the connection port of the hand piece until "clicks"

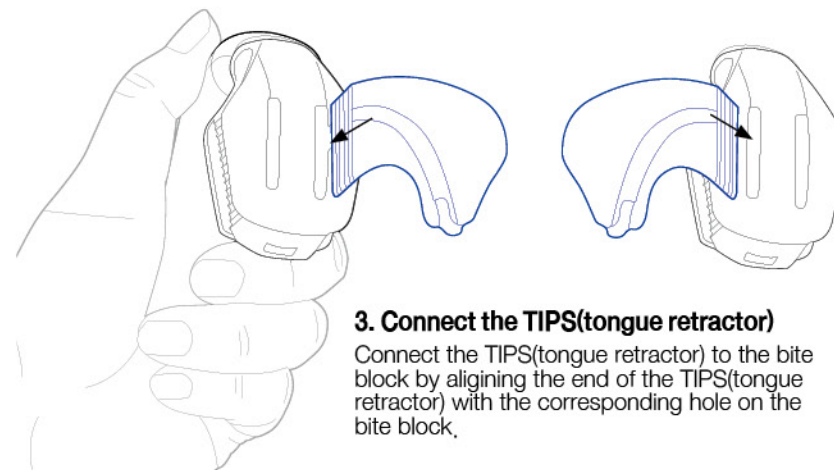


2. Connect to bite block

Insert the LED strip into the mouth of the bite block.

* Connect the suction pipe of the eBite plus Plus and LED Strip.

Connecting and Assembling the eBite plus



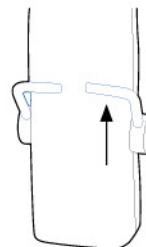
3. Connect the TIPS(tongue retractor)

Connect the TIPS(tongue retractor) to the bite block by aligning the end of the TIPS(tongue retractor) with the corresponding hole on the bite block.

Operation control connection & operation

1. Connect to the operation control

Connect assembled hand piece to the operation control.

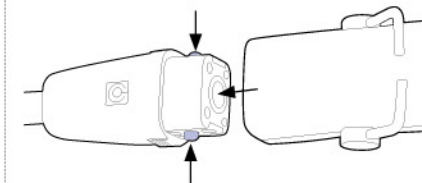
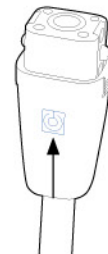


* Assemble operating switch and suction switch in the same direction.

* Make sure both switches are in the same direction.

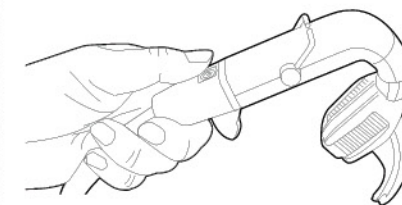
■ Disconnect the operation control

Disconnect the operation control by squeezing on the buttons with your thumb and index finger.



2. Connecting to the operation control

Push the operation control into the handpiece until it is secure

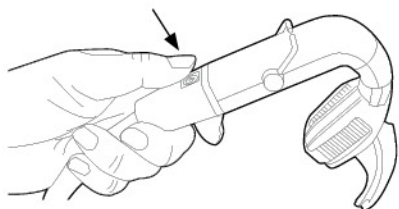


3. Confirm if it is normally operated

Make sure everything is working properly by pressing the operation control button.

Operating the eBite plus

Powering the eBite plus



1. Power ON and OFF

Press the power switch located on the operation handle once to turn the light on. Press it again to turn the light off.

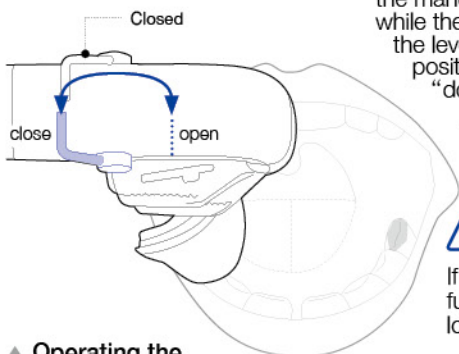
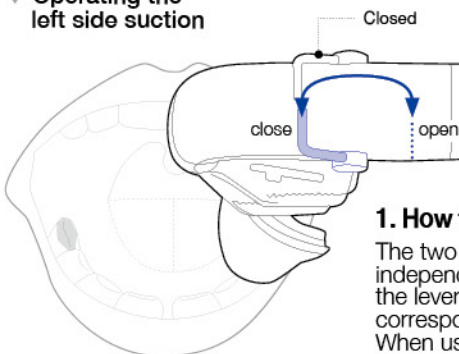
2. Light Intensity

Light intensity of the LED strip can be controlled by pressing and holding the power button.

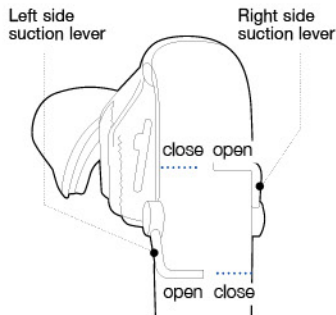
- * Brightness is gradually adjusted by 3 steps such as "Low-Medium-High-Medium-Low-Medium".
- * Brightness changes at 0.6 second interval.

Suction operation method

▼ Operating the left side suction



▲ Operating the right side suction



1. How to use the suction correctly

The two suction valves are operated independently of each other. By moving the levers to an up or down position, the corresponding valves are closing and opening. When using the eBite plus in a patient's mouth, be sure that the valve that is closer to the mandibular portion of the mouth is open while the other valve is closed. When in use, the levers should either both be in the "up" position, or they should both be in the "down" position.

- * For the right side, on the contrary to the left side, it is closed if the lever is pushed up, and it is opened if the lever is pulled down.



If the opposite suction valve is opened, functional effect on suction is significantly lowered.

- * For normal suction, right and left lever head for the opposite direction.

How to operate and use

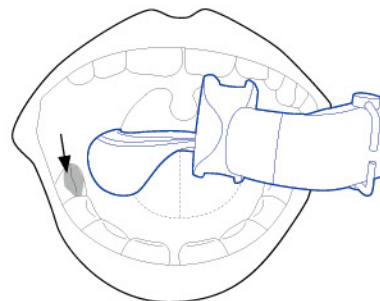
Using the eBite Plus in Practice



CAUTION

Caution: Select the size and appropriate bite block and TIPS(tongue retractor) appropriate for the procedure.

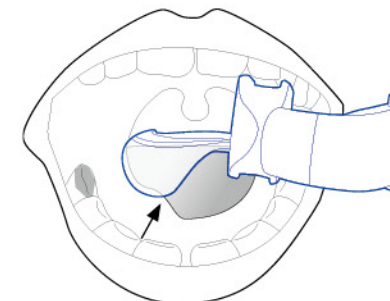
- * There are large and small size for TIPS(tongue retractor) and bite block (4 size).



1. Insert eBite plus

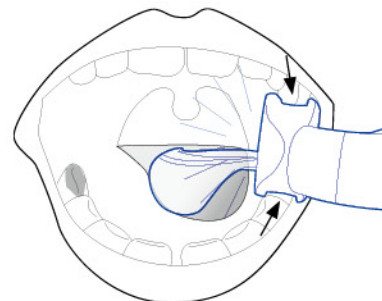
Insert eBite plus into the opposite side of the teeth intended to be worked on.

- * Install TIPS(Tongue retractor) appropriate to the side to be worked on. (Refer to page 10, 11)



2. Wrap tongue in the TIPS (tongue retractor)

Wrap the tongue of the patient in inside of the TIPS(tongue retractor).

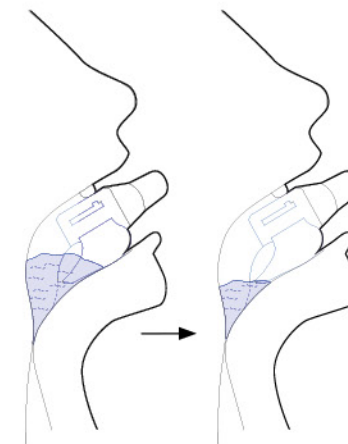


3. Have the patient bite gently on the bite block.

It helps the patient to easily open the mouth by softly holding bite block between the teeth.

4. Turn on the power.

Press the power switch to turn on and begin procedure. (Refer to page 12)



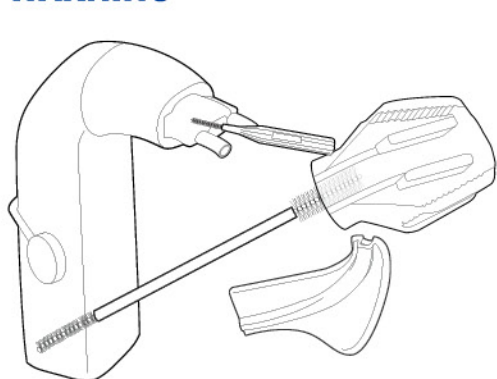
5. Operating the Suction.

Open the Suction valve if the Suction is needed during the medical treatment. (Refer to page 12)

How to clean and sterilize



- Make sure to sterilize TIPS(tongue retractor) & bite block (Autoclave sterilization available) while the Autoclave after use.
- * Improper sterilization may cause infection.
- Make sure to use medical alcohol while cleaning.
- * Improper use may lead to death or injury.



1. Cleaning work

Clean TIPS(tongue retractor), bite block and Handpiece by using the cleaning brush,

- * Clean and sterilize frequently to maintain condition and smooth operation.

2. Sterilization in the autoclave.

Sterilizing the eBite plus in the autoclave.

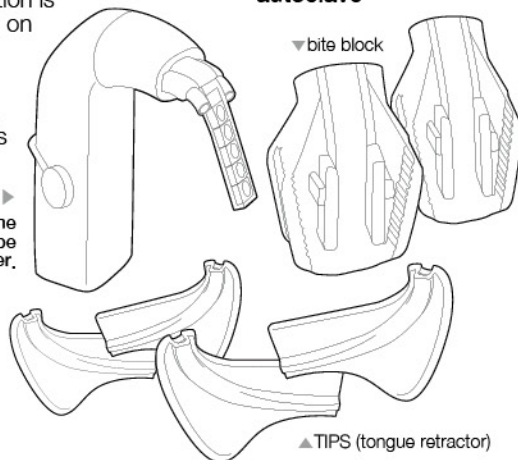
- * Autoclave sterilization regulation is subject to general stipulation on sterilization.

- * EX
Sterilize at 135℃ for 3 minutes,
Sterilize at 120℃ for 20 minutes

Hand Piece▶

Model AH-770 is can be used in the Autoclave, but CH-550 should be cleaned with alcohol or water.

Parts that can be used in the autoclave



Remove the handpiece from the operation control before putting it in the autoclave.

Troubleshooting

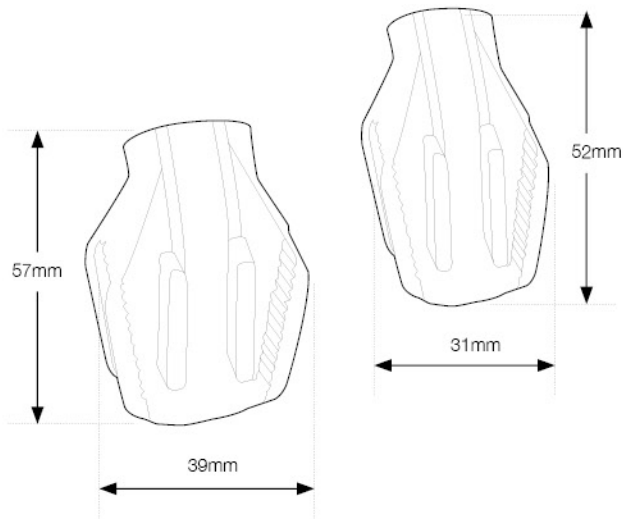
■ Check lists prior to trouble report

Issue	Checklist
Power indicator light is flickering or not turning on.	<ul style="list-style-type: none"> • Check if adapter is plugged in properly. • Check if adapter jack is connected to operation control LED Strip properly. • Make sure that illumination properly connected to connecting jack of illumination part. • Change illumination part into a new one. • Turn off and on.
If Suction is not working properly.	<ul style="list-style-type: none"> • Check to make sure the correct value is opened. • Check if bite block and TIPS(tongue retractor) are connected properly. • Check if bite block and Suction pipe of Hand Piece are connected properly. • Check if TIPS(tongue retractor) Suction hole is properly positioned in the root of the tongue.
TIPS(tongue retractor) are not Lifting well	<ul style="list-style-type: none"> • Check to see if there is anything lodged in the TIPS(tongue retractor) connecting parts. • Check if left and right TIPS(tongue retractor) are inserted correctly. • Check if TIPS(tongue retractor) is worn away.

- * TIPS(tongue retractor), bite block and ILLUMINATION parts are consumable, which should be replaced if they are being used for a long time. Please contact A/S center of our company to purchase them.

- * Please contact A/S center of our company if same symptoms continue to happen after checking above.

Product Specification



■ Specification

Item	Specification	
Product name	AH-770	CH-550
Hand-Piece	Autoclave sterilization available	Water and Alcohol cleansing available
	Temperature range: 5℃ ~ 170℃	Temperature range: 5℃ ~ 60℃
	Suction valve : Independent control system for Left and Right respectively	
	Suction pipe : Stainless Steel, Twin-Type	
Suction controller	Left side lever : Opening & closing function	
	Right side lever : Opening & closing function	
LED Strip	Luminous source : LED, Durability : 50,000 hours	
	Brightness control : Controlled by 3 steps	
	Brightness control range : 5,000 ~ 8,000 Lux	
TIPS (tongue retractor)	TIPS - Size : Small & Large, TIPS - Direction : Left, Right	
	Material : Silicon, Autoclave sterilization available	
bite block (mouth opening apparatus)	bite block - Size : Small & Large	
	Material : Silicon, Autoclave sterilization available	
Power Adapter	Input : AC 100~240V	
	Output : DC 4,5V	
Suction hose	OD 12mm, ID 6mm	
	Material : Silicon, Wire inserting type	
	OD 12mm, ID 6mm Length : 1800mm	
Operation control	Material : Silicon, Wire inserting type	
	Illumination ON/OFF, Brightness control	

Dental light & Suction

eBite
plus
