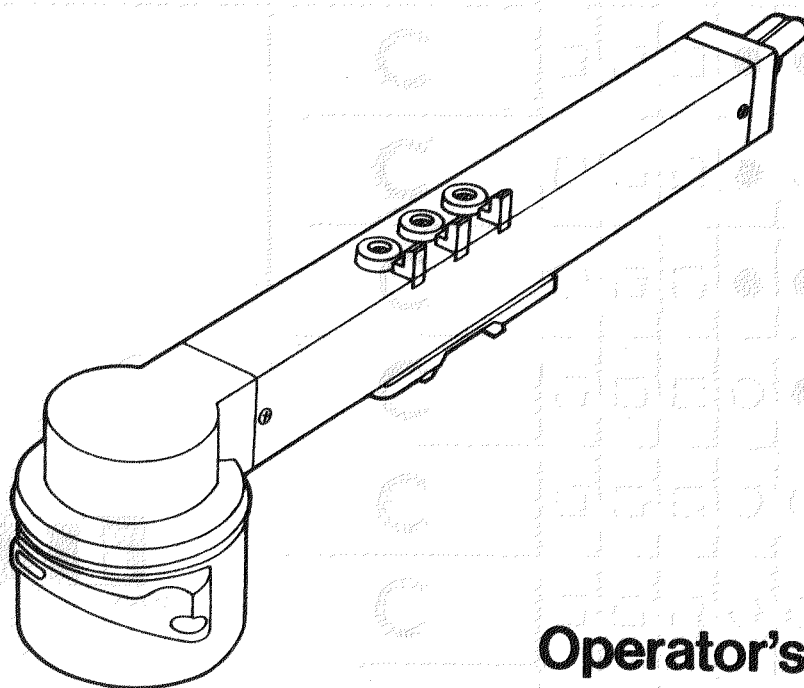


AKAI

professional

EVI1000

ELECTRIC VALVE INSTRUMENT



Operator's Manual

Read this manual carefully before using your EVI1000.

Features

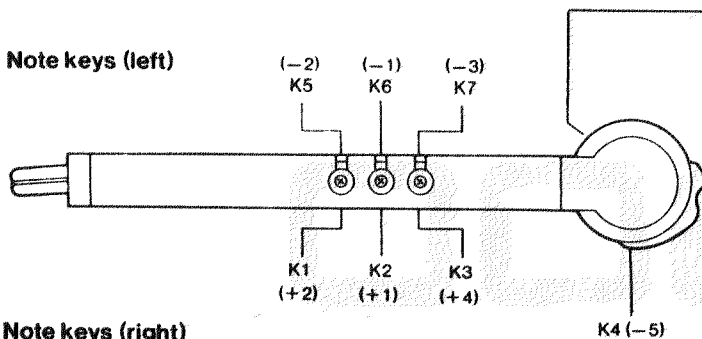
We greatly appreciate your purchase of the AKAI EVI1000 Electric Valve Instrument.

This manual includes detailed explanations of operations, etc. designed to show you how to use the superior functions of the EVI1000 to their fullest extent. Be sure to read this manual carefully before using your EVI1000, then store it in a convenient place along with the warranty so that you can refer to it whenever necessary.

- The EVI1000 is a new type of controller which makes it possible to play the EWV2000 exclusive sound module or a MIDI-compatible electronic instrument or sound source the same way as playing a trumpet or other valve instrument.
- The pitch, tone, volume, and modulation can be controlled dynamically with the mouthpiece and touch plate.
- Special sensors which detect the strength of the breath and the pressure applied to the mouthpiece make it possible to express the emotion of the player directly.
- By using the EVI1000 in combination with the exclusive EWV2000 sound module, it is possible to perform over a wide range of sounds (up to 8 octaves), to produce two sounds simultaneously, and to create thicker, heavier sounds with the detune function.

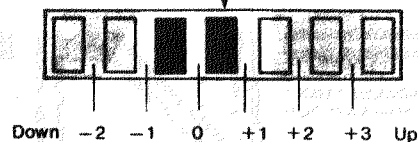
EVI1000 Standard Fingering Table

Note keys (left)



Note keys (right)

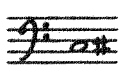

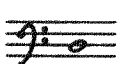
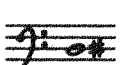
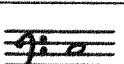
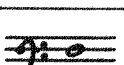
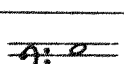
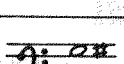
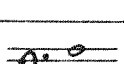




Figures in () refer to half steps.



Octave Shift Roller

The "0" position is the reference standard.

* Touch the keys which are filled in.

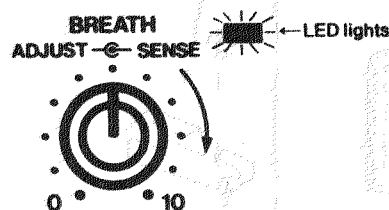
NOTE	NOTE KEY (RIGHT)						NOTE KEY (LEFT)	OCTAVE SHIFT ROLLER
	K1	K2	K3	K5	K6	K7	K4	
 C ⁴	●	●	●	□	□	□	⌋	
 D	●	○	●	□	□	□	⌋	
 D [#]	○	●	●	□	□	□	⌋	
 E	●	●	○	□	□	□	⌋	
 F	●	○	○	□	□	□	⌋	
 G	○	○	○	□	□	□	⌋	
 G [#]	○	●	●	□	□	□	⌋	
 A	●	●	○	□	□	□	⌋	
 A [#]	●	○	○	□	□	□	⌋	
 B	○	●	○	□	□	□	⌋	
 C	○	○	○	□	□	□	⌋	

Adjustment of Touch Sensor Sensitivity

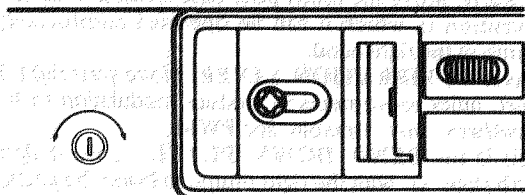
For regular use, there is no need to adjust the touch sensor sensitivity adjuster, which is located at the front of the touch plate base. However, if the pitch does not change properly when the note keys are operated, use a screwdriver to adjust as follows:

- ① Get the included screwdriver.
- ② Do not touch the touch sensors.
- ③ Turn the **BREATH ADJUST** knob on the **EWV2000** so that the **LED** lights. Use an amplifier so that the sound is produced from speakers.
- ④ A strident sound should be produced from the speakers.
- ⑤ Use the screwdriver to turn the touch sensor sensitivity adjuster counterclockwise. The pitch of the strident sound should increase.

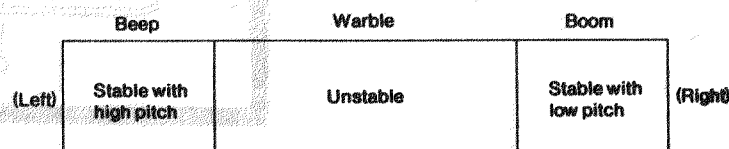
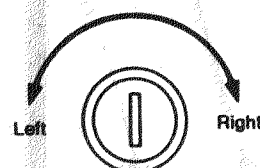
- ⑥ Gradually turn the adjuster clockwise. The sound should become unstable. Turn further until the point where the sound starts to become stable. The best point is a point slightly past where the sound becomes stable in the clockwise direction.
- ⑦ Readjust the **BREATH ADJUST** knob on the **EWV2000**. When the **LED** lights, turn the knob slightly back counterclockwise until the **LED** turns off.
- ⑧ Try playing the **EVI1000**. If the sound is still not proper, repeat steps (3) through ⑦.
- ⑨ Moisten your hands with hand cream if they are very dry.



Touch sensor sensitivity adjuster



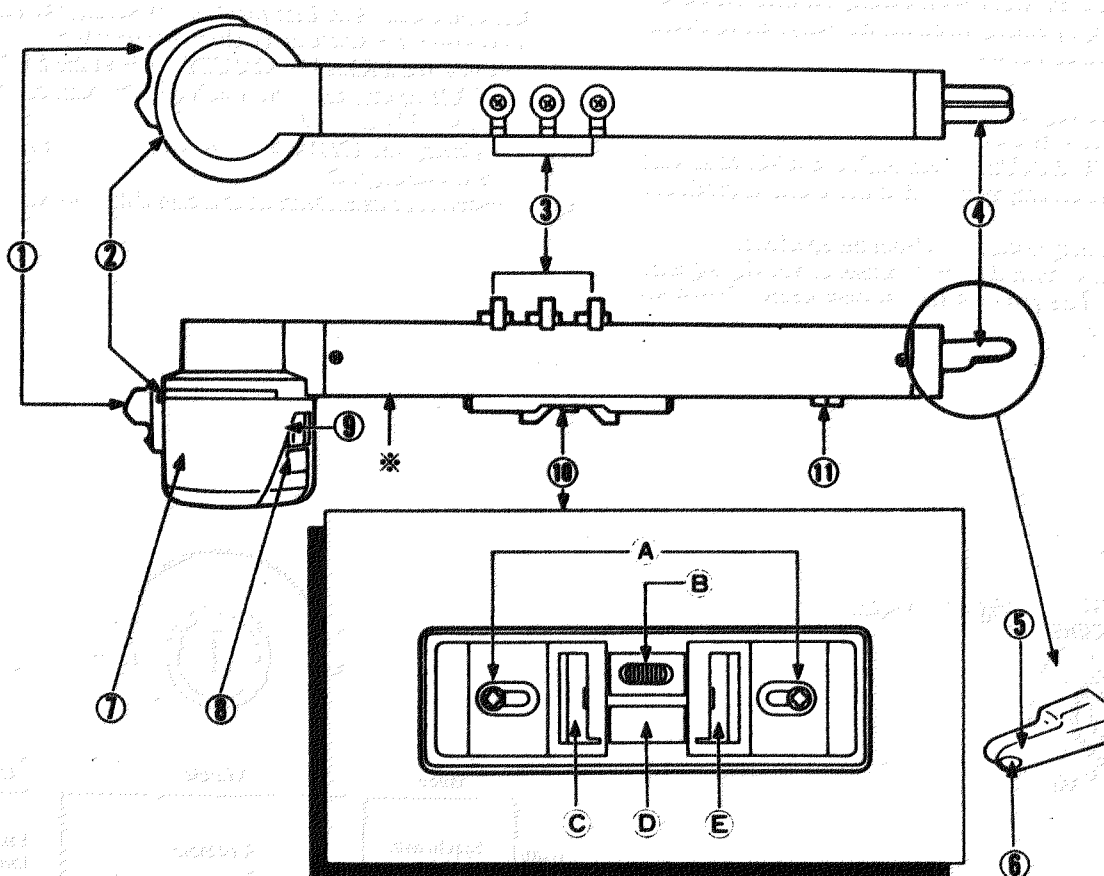
Screwdriver (included)



Best point

NOTE: Do not turn the touch sensor sensitivity adjuster too strongly clockwise or counterclockwise as it may break.

Part Names



- ① **FINGER RESTS:** Finger rests for the index, middle, and little fingers of the left hand, to support the EVI1000 and rotate the octave canister.
- ② **NOTE KEY (LEFT):** Note key with a touch sensor for the left hand. The pitch decreases by 5 steps when touched with the index finger of the left hand.
- ③ **NOTE KEYS (RIGHT):** Note keys with touch sensors for the right hand. Touch them with the index, middle, and ring fingers.
- ④ **MOUTHPIECE:** Hold the mouthpiece gently in your mouth and blow in. Do not bite with your teeth.
- ⑤ **LIP:** Glide and portamento effects can be obtained according to the pressure applied to the mouthpiece.
- ⑥ **BREATH:** Blow in here. Never suck. The strength of breath changes the pitch, tone, and volume. Do not insert needles, pins, liquid, or other foreign substances into the hole, as this will result in malfunction.
- ⑦ **OCTAVE CANISTER:** Canister for operating the octave shift roller. Rotate without applying excessive power.
- ⑧ **CANISTER EARTH PLATE:** Keep your left thumb on the earth plate when playing or creating sounds.
- ⑨ **OCTAVE SHIFT ROLLER:** The basic note key range can be shifted over 6 octaves (or 8 octaves using with note keys K3, K4, etc.). This roller also uses touch sensors. The range is "standard" when the "■" position is touched with the left thumb. Always touch this roller while playing.
- ⑩ **TOUCH PLATE BASE:** This is the base on which the bender and vibration lever are mounted.

- A This is the **TOUCH PLATE BASE POSITION ADJUST SCREW**. Move the touch plate base forward or backward to find a position in which it can be operated comfortably with the thumb of the right hand.
- B This is the **VIBRATION LEVER**. Move your right thumb with short, quick movements to produce modulation such as vibrato, growl/wow-wow, tremolo, and PWM.
- C This is the **BEND DOWN PLATE**. Touch it along with the earth plate ⑩ with the right thumb to lower the pitch.
- D This is the **EARTH PLATE**. Always keep your right thumb on the plate when you are playing.
- E This is the **BEND UP PLATE**. Touch it along with the earth plate ⑩ with the right thumb to raise the pitch.
- 11 **CONNECTOR:** Insert the plug of the included multi cable here.
- * This is the touch sensor sensitivity adjuster. It has already been adjusted at the factory so do not touch it. If adjustment is necessary, refer to the section entitled "Adjustment of Touch Sensor Sensitivity".

Precautions

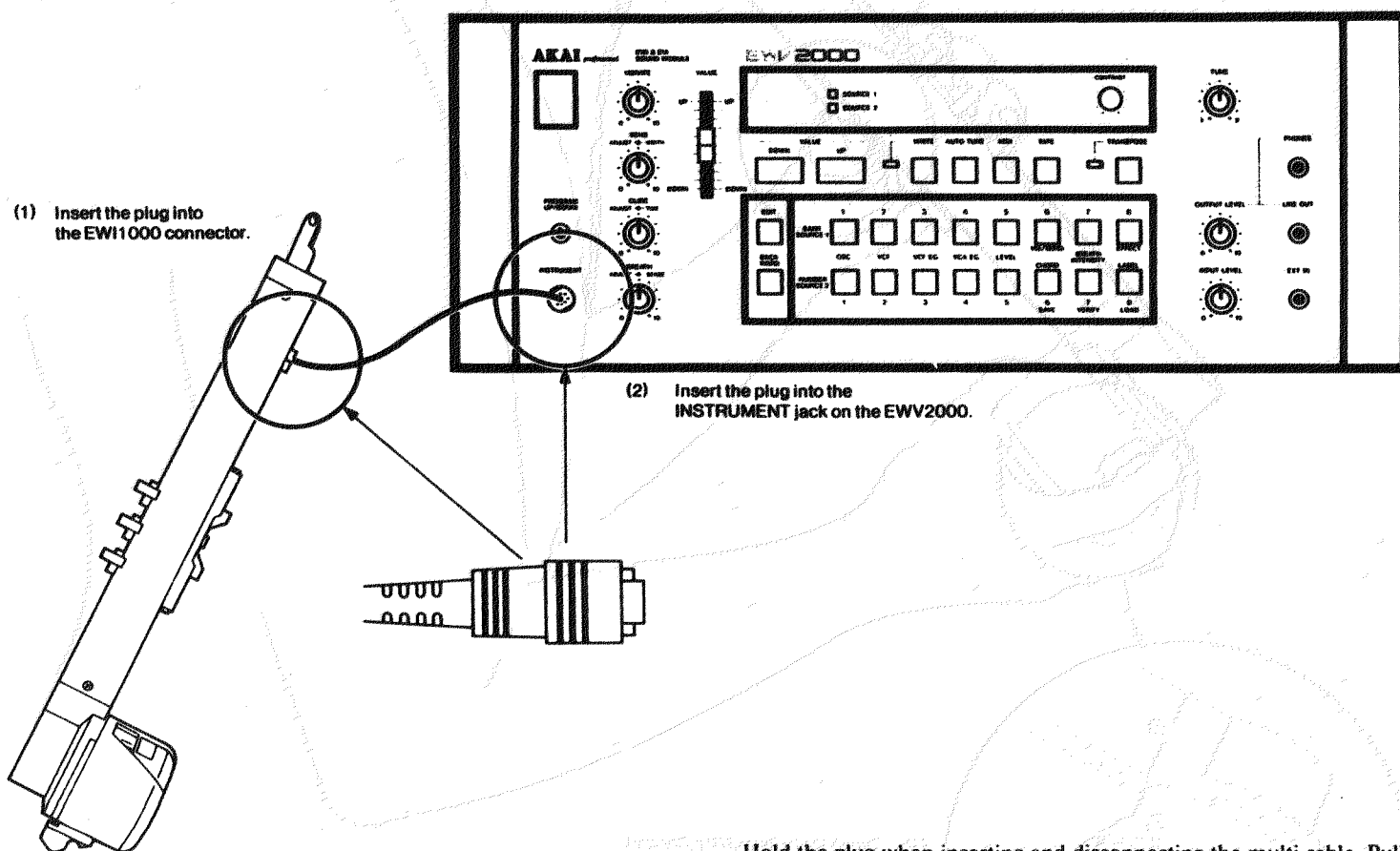
Be careful of the following:

- ① Do not bite the mouthpiece with your teeth or suck it, as this will cause the internal sensors to malfunction and may damage your EVI1000.
- ② Always touch the earth plate and octave shift roller when playing and creating sounds. The EVI1000 touch sensors operate using the performer's body as the earth.

- ③ Keep the mouthpiece clean. The mouthpiece comes in direct contact with the inside of the performer's mouth, so take care to keep it clean before, during, and after using the EVI1000. Clean the surface with disinfectant alcohol.

Connections

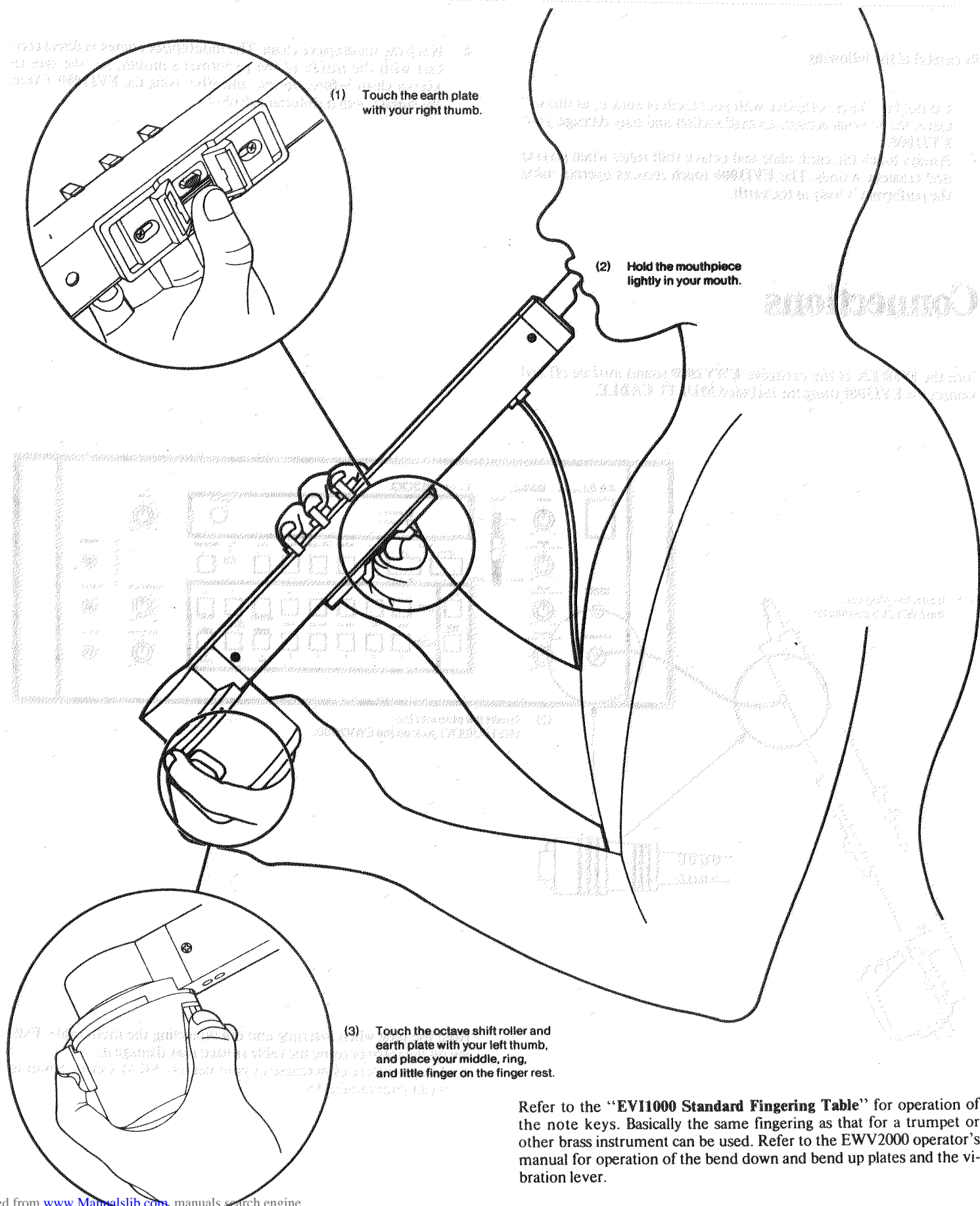
Turn the **POWER** of the exclusive **EWV2000** sound module off and connect the **EVI1000** using the included **MULTI CABLE**.


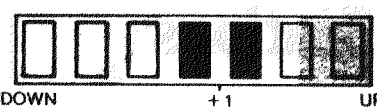
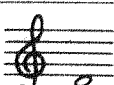
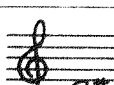

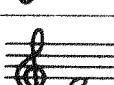

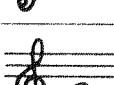
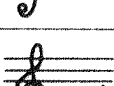
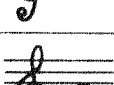
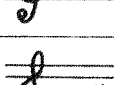
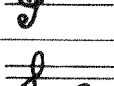

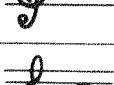
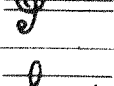
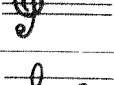
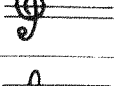
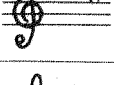


Hold the plug when inserting and disconnecting the multi cable. Pulling on the cable or using the cable twisted may damage it.

* Ask your store of purchase or your nearest AKAI service center to repair your multi cable.

Using the EVI1000



NOTE	NOTE KEY(RIGHT)						NOTE KEY(LEFT)	OCTAVE SHIFT ROLLER
	K1	K2	K3	K5	K6	K7	K4	
 C#	●	●	●	□	□	□	⌋	 <p>DOWN +1 UP</p>
 D	●	○	●	□	□	□	⌋	
 D#	○	●	●	□	□	□	⌋	
 E	●	●	○	□	□	□	⌋	
 F	●	○	○	□	□	□	⌋	
 F#	○	●	○	□	□	□	⌋	
 G	○	○	○	□	□	□	⌋	
 G#	○	●	●	□	□	□	⌋	
 A	●	●	○	□	□	□	⌋	
 A#	●	○	○	□	□	□	⌋	
 B	○	●	○	□	□	□	⌋	 <p>DOWN +2 UP</p>
 C	○	○	○	□	□	□	⌋	
 C#	●	●	●	□	□	□	⌋	
 D	●	○	●	□	□	□	⌋	
 D#	○	●	●	□	□	□	⌋	
 E	●	●	○	□	□	□	⌋	

※ Try using K5 through K7 for high notes and trills.

Cleaning

- Use disinfectant alcohol to keep the mouthpiece clean. Be careful not to let liquid, dirt, needles, or other foreign substances into the breath hole.
- Use the included cleaning cloth or a soft, dry cloth to wipe away dirt or dust. If the dirt is heavy, apply a little diluted dish detergent or neutral cleaner to a soft cloth and wipe clean. Do not use thinner, benzine, or other volatile substances as these will mar the surface.
- Keep insecticide off the EVI1000 as it will mar surface and could be dangerous if taken into your mouth.
- The structure makes it difficult for saliva to enter, but if it does, hold the body and shake lightly.

If your EVI1000 Should Be Damaged

If the EVI1000 is damaged or malfunctions, turn the EWV2000 power off immediately and disconnect the multi cable, then contact your store of purchase or an AKAI service center giving the model (EVI1000), a detailed description of the problem, and your address and telephone number.

Specifications

Model:	EVI1000 Electric Valve Instrument
Type:	Valve type controller using special sensors
Fingering:	Trumpet fingering and EVI fingering
Sensors:	NOTE KEY (TOUCH SENSE) BREATH (AIR PRESSURE LEVEL) } MOUTHPIECE LIP (PRESSURE LEVEL) BEND UP PLATE (TOUCH SENSE) BEND DOWN PLATE (TOUCH SENSE) VIBRATE LEVER (ELECTRIC) OCTAVE SHIFT ROLLER (TOUCH SENSE) FIFTH DOWN KEY (TOUCH SENSE)
Control range:	8 octaves
Sound module:	EWV2000 EWI and EVI Sound Module
External dimensions:	420 (L) × 70 (W) × 90 (H) mm
Weight:	650 g
Accessories:	Multi cable for connection 1 Cleaning cloth 1 Screwdriver 1

Above specifications and appearance subject to change without notice.

AKAI

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