

# CONCERT VIBRAPHONES

## YV1605 YV1605J

**取扱説明書**

**Owner's Manual**

**Bedienungsanleitung**

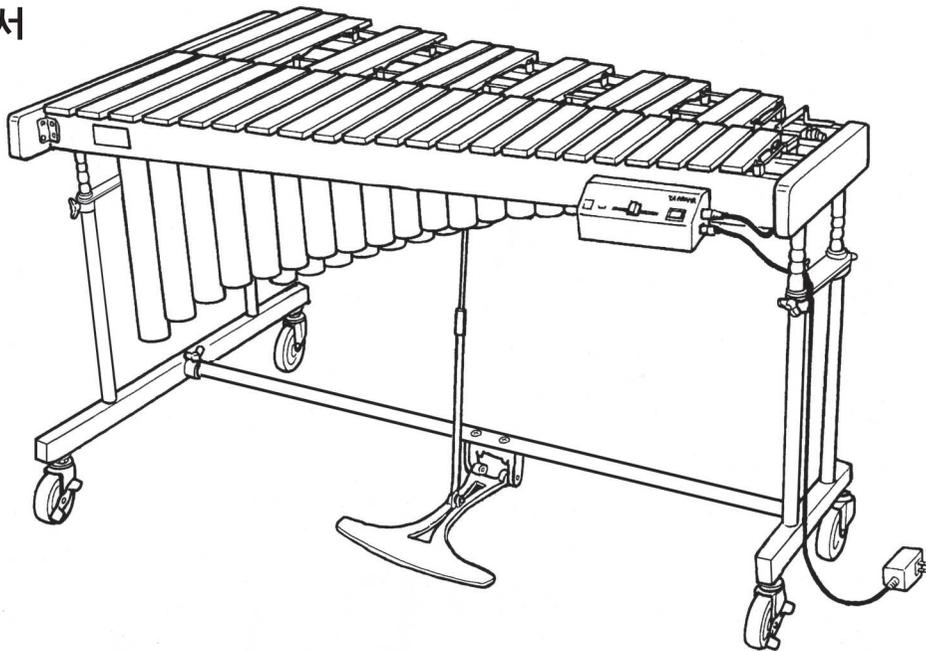
**Mode d'emploi**

**Manual de instrucciones**

**Руководство пользователя**

**使用手冊**

**사용설명서**



『安全上のご注意』を必ずお読みください。

Make sure to read "Safety Precautions" and "Cautions when using the instrument".

Lesen Sie unbedingt die „Vorsichtsmaßregeln“ und die „Vorsichtshinweise zum Gebrauch des Instruments“.

Ne manquez pas de lire les sections « Précautions à observer » et « Précautions d'utilisation de l'instrument ».

Lea sin falta las "Precauciones de seguridad" y las "Precauciones para la utilización del instrumento".

Обязательно прочтите разделы "Меры безопасности" и "Меры предосторожности при использовании инструмента".

务请阅读“安全注意事项”和“使用乐器时的注意事项”。

“안전 주의사항” 및 “악기를 사용할 때의 주의사항”을 반드시 읽어 주십시오.

## SPECIAL MESSAGE SECTION

This product utilizes an external power supply (adapter). DO NOT connect this product to any power supply or adapter other than one described in the manual, on the name plate, or specifically recommended by Yamaha.

**WARNING:** Do not place this product in a position where anyone could walk on, trip over, or roll anything over power or connecting cords of any kind. The use of an extension cord is not recommended! If you must use an extension cord, the minimum wire size for a 25' cord (or less) is 18 AWG. NOTE: The smaller the AWG number, the larger the current handling capacity. For longer extension cords, consult a local electrician.

This Product should be used only with the components supplied or; a cart, rack, or stand that is recommended by Yamaha. If a cart, etc., is used, please observe all safety markings and instructions that accompany the accessory product.

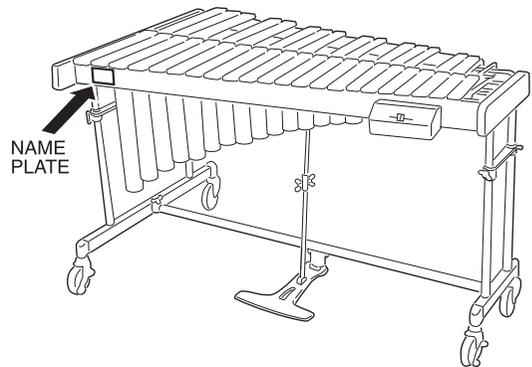
**SPECIFICATIONS SUBJECT TO CHANGE:** The information contained in this manual is believed to be correct at the time of printing. However, Yamaha reserves the right to change or modify any of the specifications without notice or obligation to update existing units.

**NOTICE:** Service charges incurred due to lack of knowledge relating to how a function or effect works (when the unit is operating as designed) are not covered by the manufacturer's warranty; and are therefore the owners responsibility. Please study this manual carefully and consult your dealer before requesting service.

**ENVIRONMENTAL ISSUES:** Yamaha strives to produce products that are both user safe and environmentally friendly. We sincerely believe that our products and the production methods used to produce them, meet these goals. In keeping with both the letter and the spirit of the law, we want you to be aware of the following:

**Disposal Notice:** Should this Product become damaged beyond repair, or for some reason its useful life is considered to be at an end, please observe all local, state, and federal regulations that relate to the disposal of products that contain lead, batteries, plastics, etc. If your dealer is unable to assist you, Please contact Yamaha directly.

**NAME PLATE LOCATION:** The name Plate is located on the player side of the product. The model number, serial number, power requirements, etc., are located on this plate. You should record the model number, serial number, and the date of purchase in the spaces provided below and retain this manual as a permanent record of your purchase.



Model \_\_\_\_\_

Serial No. \_\_\_\_\_

Purchase Date \_\_\_\_\_

## PLEASE KEEP THIS MANUAL

### Information for Users on Collection and Disposal of Old Equipment



This symbol on the products, packaging, and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste. For proper treatment, recovery and recycling of old products, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC.

By disposing of these products correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

#### [For business users in the European Union]

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

#### [Information on Disposal in other Countries outside the European Union]

This symbol is only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

# Safety Precautions

Please obey the following instructions in order to use your vibraphone in a safe manner. Particularly in the case of children, a responsible adult should provide proper instruction on how to properly use and treat the instrument before use.

**In order to prevent fire, electric shock, and injury, make sure that all precautions described below are obeyed.**

## About the icons

Icons are used in this "Safety Precautions" section to promote the safe use of this instrument, and to protect you and others from harm and property damage. Please fully understand the meaning of the icons before reading the instructions.



This icon urges caution (includes dangers and warnings).



This icon indicates actions that are prohibited. For example: Do not dismantle.



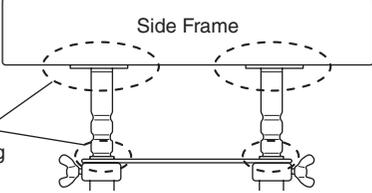
This icon indicates special instructions that should be strictly followed.



For example: Unplug the electric plug from the outlet.

 <b>Warning</b>		<b>Disregard of the warnings denoted with this mark and misuse of the product can lead to death or serious injury.</b>	
 Before using the vibraphone, please thoroughly read the following instructions and the Owner's Manual.	 Never put foreign objects (combustible objects, coins, wire, etc.) or liquids (water, juice, etc.) in the drive unit. Doing so can cause fire and electric shock.	 Do not dismantle or modify the vibraphone's controller or driver. Doing so can cause fire or electrical shock.	 If one of the following occurs, turn off the power, unplug the AC adapter and request repair as soon as possible. <ul style="list-style-type: none"> <li>• If the AC adapter or power cord becomes damaged.</li> <li>• If foreign objects or liquids have gotten into the drive unit.</li> <li>• If the drive unit gets wet (rain, etc.).</li> <li>• If the drive unit operates abnormally or is broken.</li> </ul>
 Repairs or part replacement should not be attempted unless instructions are provided in the manual.	 Never place the instrument on a sloping or unstable surface or platform, etc. Doing so can cause the instrument to fall over resulting in injury.	 Do not use or store the instrument in any of the following locations. Doing so can cause fire or electrical shock. <ul style="list-style-type: none"> <li>• In places subject to high temperatures (near a heating device or in direct sunlight, etc.).</li> <li>• In places where the instrument may be exposed to moisture (bathroom, on wet floors, etc.) and excessive humidity.</li> <li>• In places where the instrument may be exposed to rain.</li> <li>• In places with excessive dust.</li> <li>• In places subject to vibrations.</li> </ul>	 When moving the instrument on its casters, only move across smooth, flat surfaces. Hold the instrument by its side frames and push forward slowly. <p>When moving the instrument on its casters,</p> <ol style="list-style-type: none"> <li>1. Avoid moving the instrument on surfaces that are sloped or uneven. The instrument can overturn, run out of control, and be a danger.</li> <li>2. Never run with the instrument. The instrument may become impossible to control and crash into a wall causing serious injury.</li> </ol>
 When using the AC adapter, do not excessively bend the power cord, or place heavy objects on the cord. Doing so may damage the cord causing fire or electrical shock.	 If the instrument must be lifted or carried, do so with two or more people using both hands to lift it by the side frames. <p>* Vibraphone weight YV1605: 38kg</p>	 Do not play or roughhouse around the instrument. Bumping into the instrument can cause injury. It can also cause the instrument to overturn. Do not allow children to play around the instrument.	
 Do not lean against or climb onto the instrument. Doing so can cause the instrument to overturn resulting in serious injury.			

# Safety Precautions

 <b>Caution</b> Disregard of the warnings denoted with this mark, or misuse of the product can result in injury or property damage.	
 Do not use the instrument in locations with poor ventilation.	 When adjusting the playing surface height (described on page 29), make sure that the procedure is performed by at least two persons. Attempting to adjust the height alone can result in the instrument overturning and create a danger.
 Never pull on the cord when disconnecting the AC adapter from the outlet. Always hold the AC adapter when connecting or disconnecting the power.	
 Always disconnect the AC adapter from the outlet when the instrument is not used for any extended period of time.	 Never touch the areas shown below when adjusting the height. Doing so can result in pinched hands. Make sure to hold the side frame when making height adjustments.
 Always use an AC adapter that meets YAMAHA specifications. The use of any other AC adapter may cause damage.	
 Never place your hands or feet underneath the pedal. Doing so can result in pinched hands or feet.	 <p>Side Frame</p> <p>Do not touch these areas when adjusting the height.</p>
 Never touch the rotating fans. Doing so can result in pinched fingers, etc.	
 Never use the mallets for anything other than playing the instrument. Doing so can result in injury or accidents. Do not allow children to use the mallets in any way that may pose a danger to themselves or others.	
 Lock the stoppers on the casters when the instrument is not in use.	 Tighten bolts securely after determining the desired height. Using the instrument with loose bolts can result in the instrument collapsing, noise, or other troubles. Tighten the bolts occasionally.

## Cautions when using the instrument

Before using the vibraphone, thoroughly read the cautions described below.

### ◆ Cautions when assembling

- Whenever assembling or dismantling the instrument, make sure that all procedures are carried out as described in this manual. Improper assembly of the instrument can result in poor function or noise.

### ◆ When handling

- Never strike the tone bars with glockenspiel mallets or any other solid objects. Doing so can dent or scratch the tone bars or alter their pitch.
- Treating the controller or driver roughly can damage the internal circuit board, etc. Please use caution.

### ◆ Transporting

- When moving the instrument, move it gently avoiding shocks and impacts. Also make sure that the AC adapter is disconnected and the caster stoppers are unlocked. Lift the instrument slightly whenever moving it over surfaces that are not smooth or flat.
- When transporting the instrument by car, dismantle the entire instrument and pack it securely. To dismantle the instrument, reverse the order of assembly.

### ◆ Maintenance

- Tone bars can be cleaned using a soft, dry cloth or silicon cloth. Stains that are still visible may be wiped off with a small amount of ethyl alcohol applied to a soft cloth. Never use thinner, benzine, or a wet cloth.

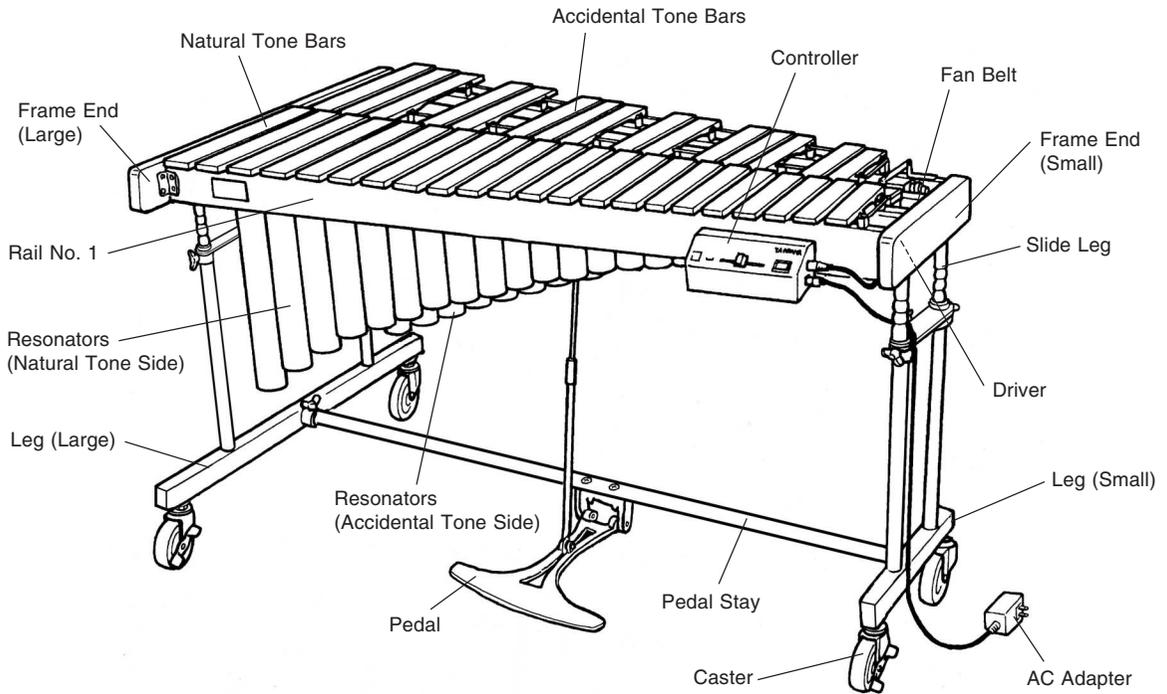
### ◆ Replacing parts

- Parts such as switches, volume control, jacks, are called consumable parts and their function will deteriorate over time. The level of deterioration will vary depending upon the conditions under which the instrument is used however it cannot be avoided. When replacing consumable parts, please consult with the dealer from whom you purchased the instrument.

### ◆ Keep this manual

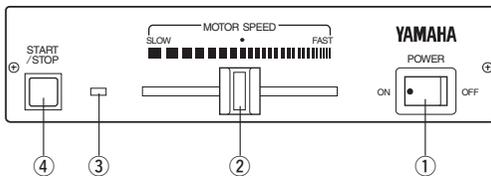
- After reading this manual, keep it in a safe place for future reference.

# Nomenclature



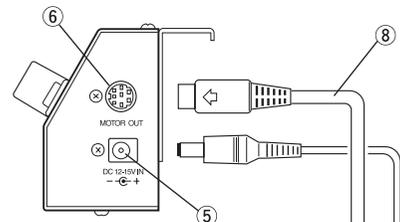
## ■ Vibes Drive Unit

### ● Controller (Player Side)

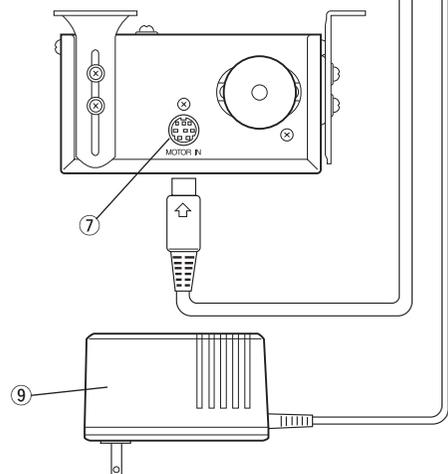


- ① **POWER Switch**  
Turns the power on and off.
- ② **MOTOR SPEED Slider**  
Controls the fan rotation speed.
- ③ **LED Indicator**  
Lights when the power is turned on and flashes while the fan is rotating.
- ④ **START/STOP Button**  
Starts and stops fan rotation.
- ⑤ **DC 12-15V IN Jack**
- ⑥ **MOTOR OUT Terminal**
- ⑦ **MOTOR IN Terminal**
- ⑧ **8P DIN Cable**
- ⑨ **AC Adapter**

### ● Controller (Right Side)



### ● Driver (Player Side)



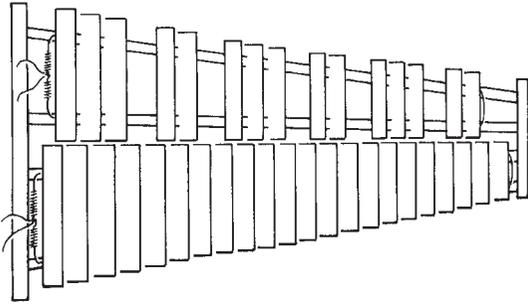
# Confirmation of Packing Contents

The shipping carton of your YV1605 should contain the parts shown below.

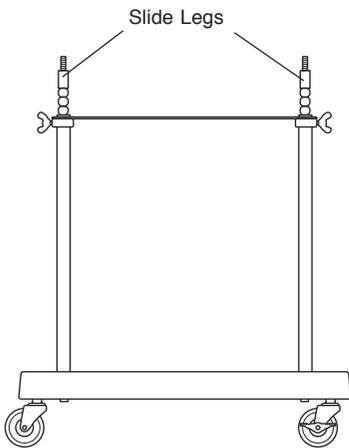
Before assembling the instrument, confirm that all parts are included as listed.

\* In the event that a part is missing, please contact the shop where the instrument was purchased.

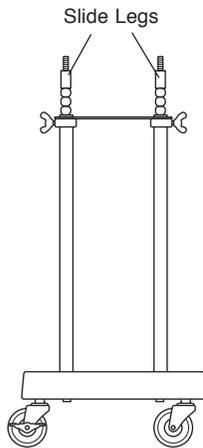
① Vibes Main Unit x 1



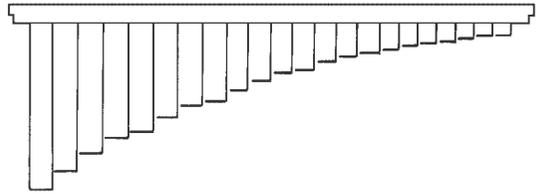
② Leg (Large) x 1



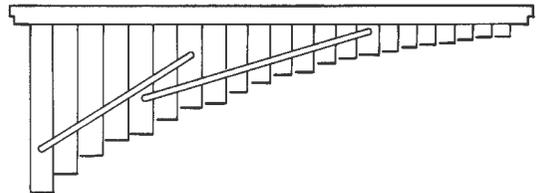
③ Leg (Small) x 1



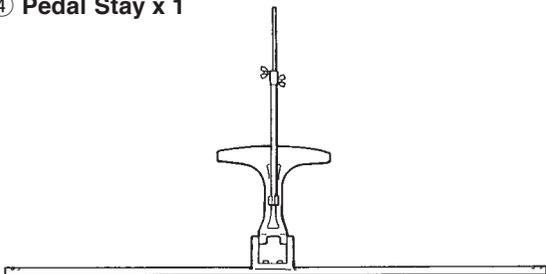
⑤ Resonators (Natural Tone Side) x 1



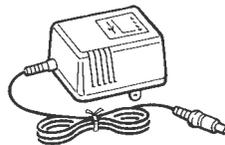
⑥ Resonators (Accidental Tone Side) x 1



④ Pedal Stay x 1

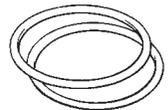


⑦ AC Adapter x 1



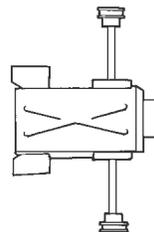
\* May not be included depending on your particular area.

⑧ Round Belt (Fan Belt) x 2

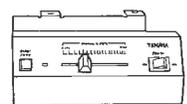


## Vibes Drive Unit: YVM-200

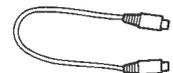
⑨ Driver x 1



⑩ Controller x 1



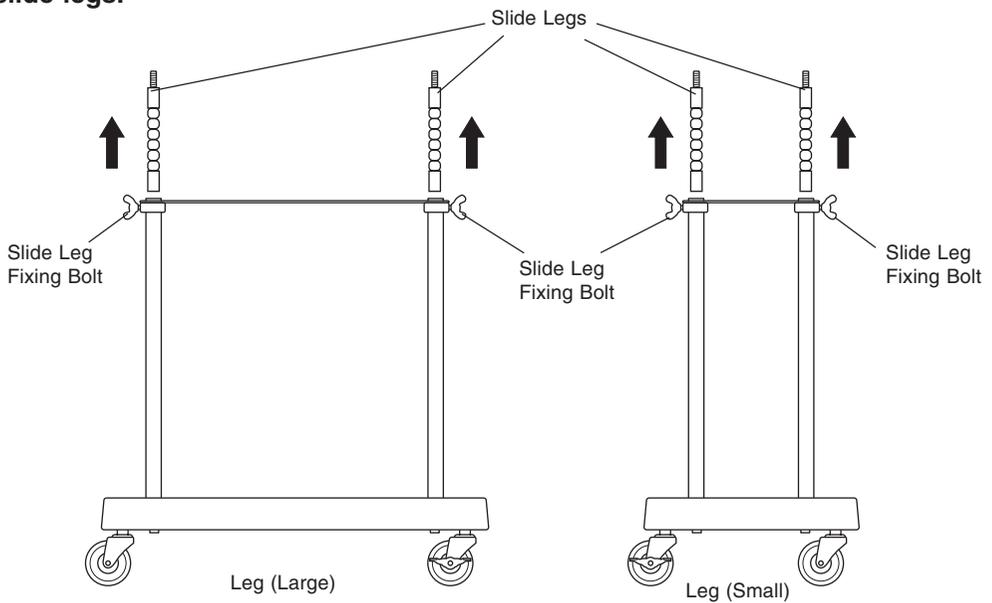
⑪ 8P DIN Cable x 1



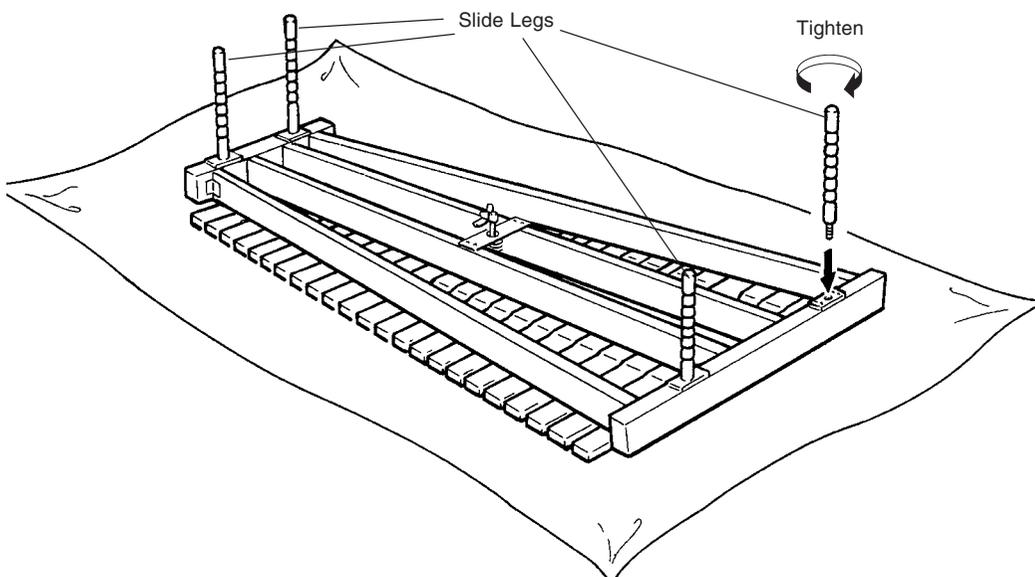
# Assembly

For safety, assembly should be performed by at least 2 persons in a location with sufficient space. We recommend to you to assemble the instrument on a soft rug or carpet to avoid scratches in the tone bars.

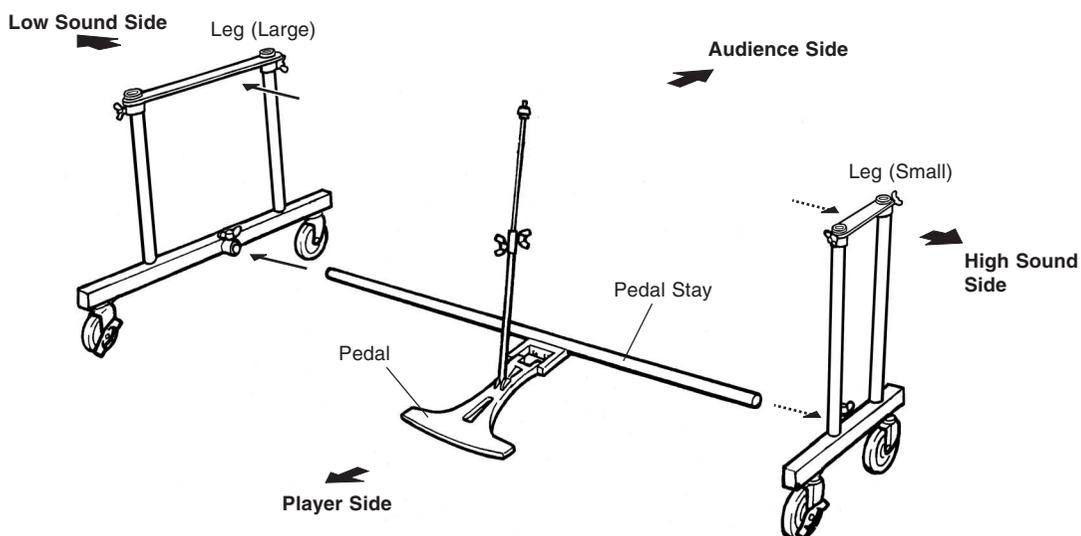
- 1 Loosen the slide leg fixing bolts of the large and the small leg, and remove the four slide legs.



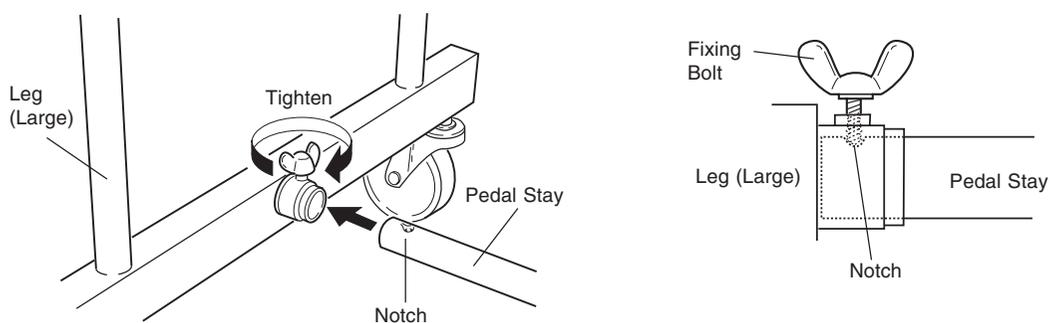
- 2 Place the main unit bottom side up on the floor.
- 3 Screw each slide leg into the screw hole at the bottom side of the main unit. (All four slide legs are identical.)



- 4** Place the large leg, small leg and pedal stay so that after assembly each part will be positioned as illustrated.



- 5** Connect the large leg and small leg with the pedal stay. Insert the pedal stay with its notch facing up into the lower joint of the large leg as far as it will go (aligning the notch with the fixing bolt) and tighten the fixing bolt securely.

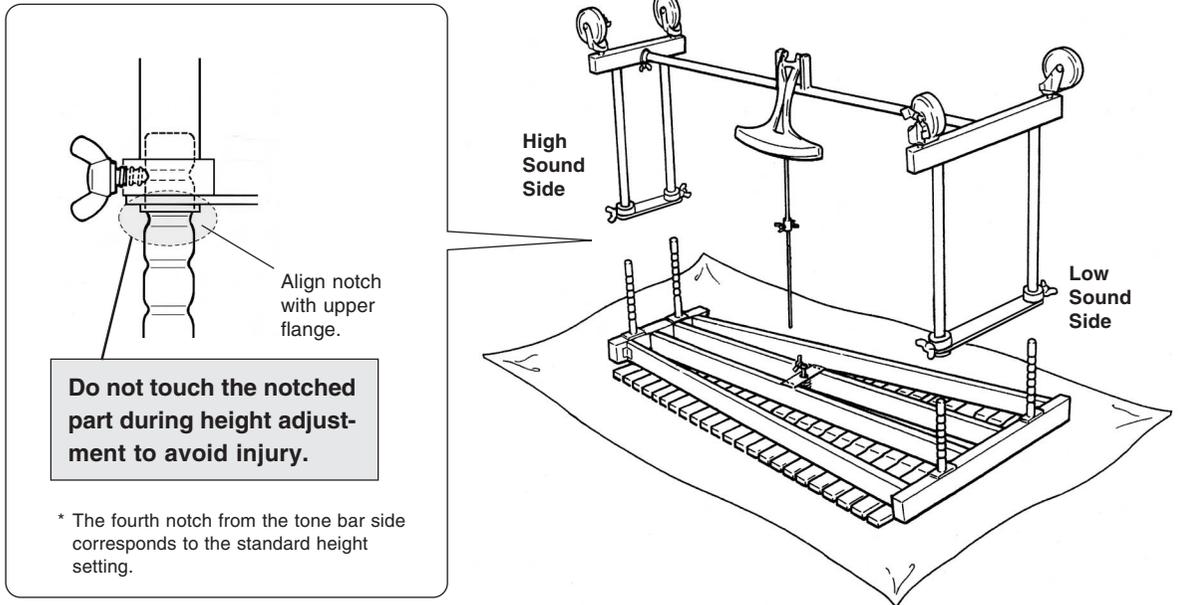


- 6** Connect the other end of the pedal stay with the small leg in the same way.

## Assembly

### 7 Connect the slide legs with the legs.

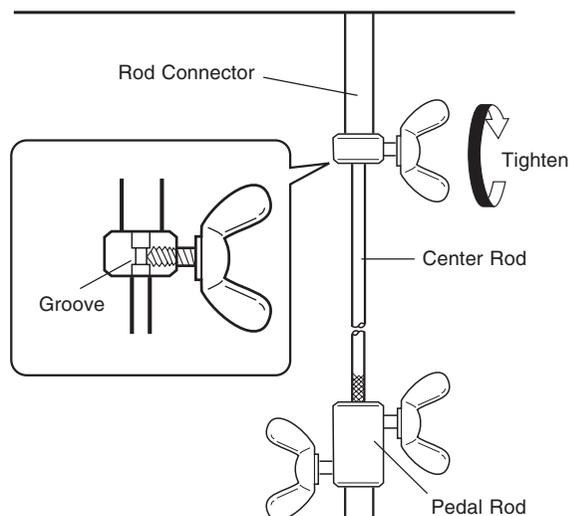
Align the legs from above so that the slide legs slide into the corresponding leg holes. Adjust to the desired height and then securely tighten each slide leg fixing bolt, aligning it with the corresponding notch of the slide leg. Fixing bolt and notch are aligned when the next lower notch is flush with the upper leg flange.



**When a slide leg fixing bolt is tightened in between two notches, there is a danger of the slide leg slipping. Always make sure that the slide legs are held securely.**

### 8 After fixing the legs, connect the pedal with the sustain damper.

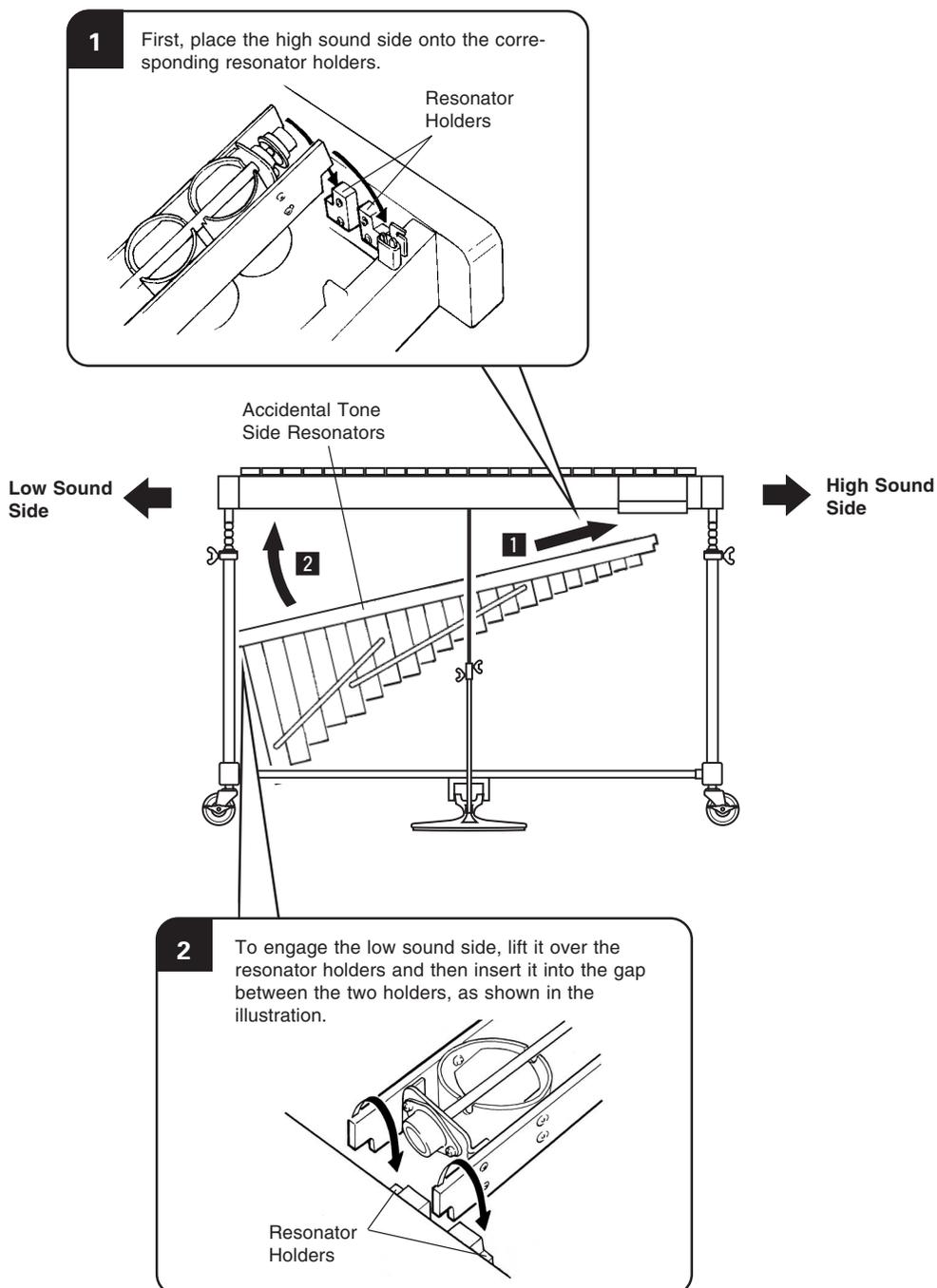
Loosen the center rod fixing bolts to extend the center rod, and insert the center rod into the fitting of the rod connector. Align the groove in the center rod with the tip of the fixing bolt, and then securely tighten the fixing bolt.



## 9 Attach the resonators.

Insert the resonators from underneath the frame and rest the high sound side and then the low sound side onto the resonator holders (rubber).

- \* *Make sure not to confuse the natural tone side and accidental tone side resonators.*
- \* *Take care not to bump the resonators against the legs etc.*

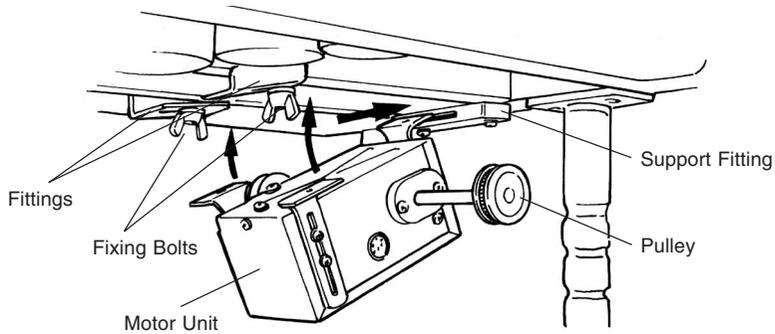
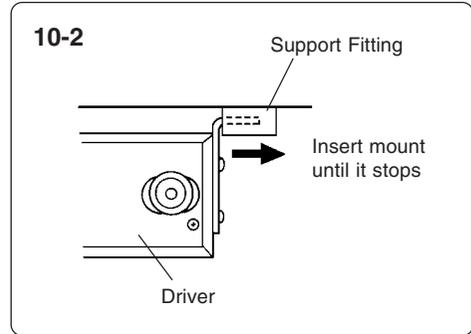
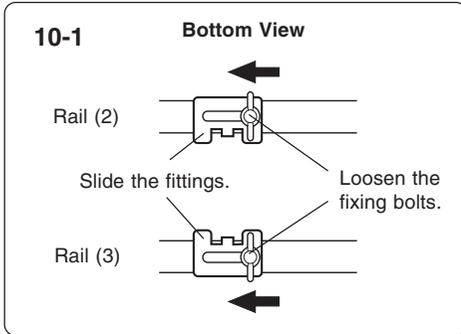


# Assembly

## 10 Attach the driver.

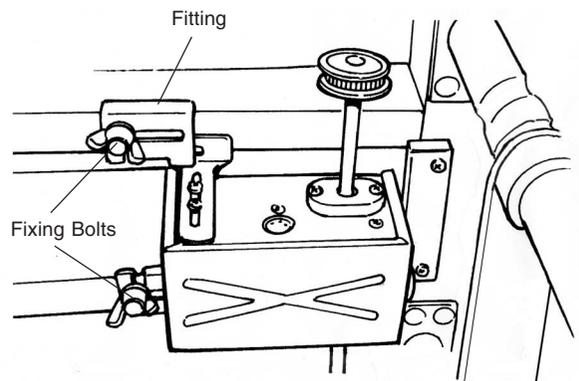
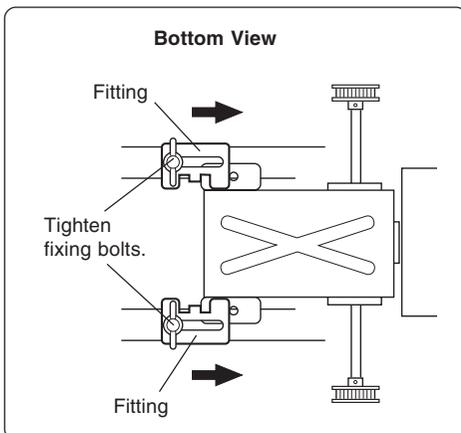
10-1 Loosen the fixing bolts at the bottom of rails (2) and (3) on the high sound side, and slide both fittings in the direction of the low sound side.

10-2 Fully insert the driver mount into the support fitting.



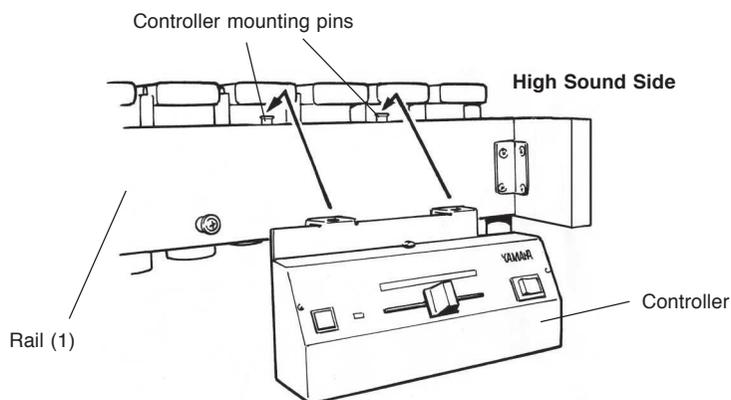
10-3 Slide the fittings moved in step 10-1 back in the direction of the high sound side. Engage the two side mounts on the driver securely with the fittings, and then tighten the fixing bolts to fasten the driver.

\* Set the driver so that the pulleys on either side are positioned directly below the fan side pulleys.



## 11 Attach the controller.

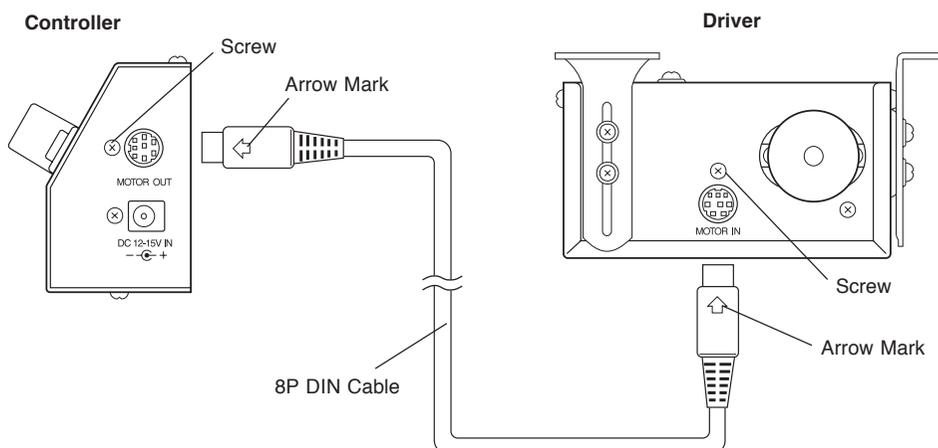
There are two controller mounting pins on the high sound side of rail (1). Align the two holes in the controller mounts with these pins and hook the controller onto the pins one side at a time.



## 12 Connect the driver with the controller.

Connect the MOTOR IN terminal of the driver with the MOTOR OUT terminal of the controller using the supplied 8P DIN cable\*.

To connect align the arrow mark (⇨) on the plug with the screw next to the jack.



\* In case the 8P DIN cable is misplaced, the following spare part may be ordered:

Part No.	Part Name	Specification
W5172200	8P DIN Cable	L=220

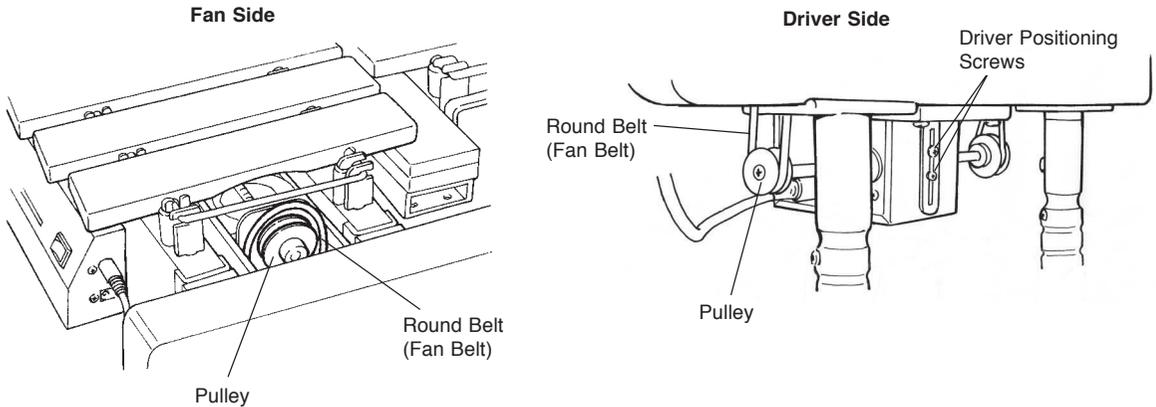
## Assembly

### 13 Attach the round belt (fan belt)\*.

Slip the round belt (fan belt) over the fan side pulley first, and then pull it over the flange of the driver pulley.

#### \* Note For Service Personnel

If the belt cannot be mounted because the distance between the pulleys is too wide, or the belt slips due to a too narrow pulley distance, loosen the two driver positioning screws (see illustration below) to adjust the pulley distance (belt tension). Tighten the screws securely after adjustment.

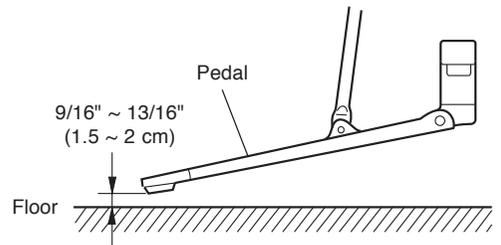


\* In case the belt is misplaced or worn, the following spare part may be ordered:

Part No.	Part Name	Specification
W5128070	Fan Belt	3ØL236

### 14 Pedal Stroke Adjustment

Loosen the center rod fixing bolts to adjust the protruding length of the center rod to the desired pedal stroke, and retighten the bolts. The recommended stroke (distance between pedal and floor) is 9/16" to 13/16" (1.5 to 2 cm).



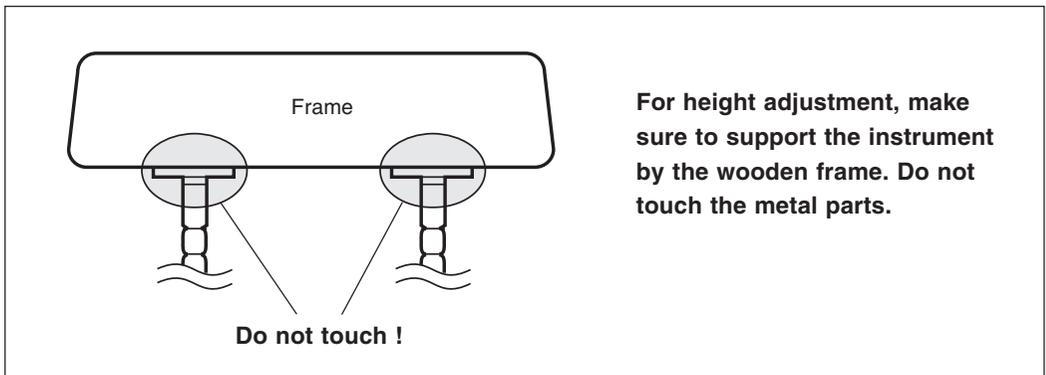
### 15 After assembly, confirm that each bolt and screw is tightened securely.

## 16 Height Adjustment

**Height adjustment should always be performed by at least 2 persons.**

To adjust the height of the tone bars, first remove the round belt (fan belt), driver, controller and tone bars\*, and loosen the center rod fixing bolts. (\* To remove the tone bars, disengage the springs on the low sound side, and then unhook the string from the post.)

Support both frame ends by hand (do not touch the metal parts shown in the illustration), and loosen the slide leg fixing bolts.



Lift the frame ends to the desired height and then securely tighten each slide leg fixing bolt, aligning it with the corresponding notch of the slide leg. Bolt and notch are aligned when the next higher notch is flush with the upper leg flange. (Refer to step 7 on page 24.)

**When a slide leg fixing bolt is tightened in between two notches, there is a danger of the slide leg slipping. Always make sure that the slide legs are held securely.**

## 17 This completes the assembly of the instrument.

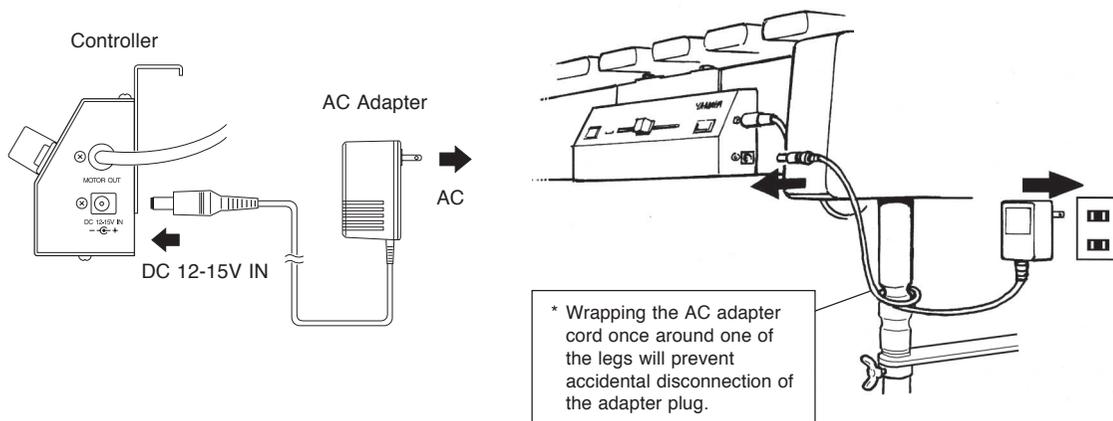
To play, connect the supplied AC adapter to the DC 12-15V IN jack of the controller.

# Power Supply

Prepare the supplied AC adapter.

\* Make sure to use the supplied AC adapter. Use of different adapters may cause damage not covered by the warranty.

- 1 Connect the small plug of the AC adapter to the DC 12-15V IN jack on the controller.
- 2 Plug the AC adapter into a power outlet.



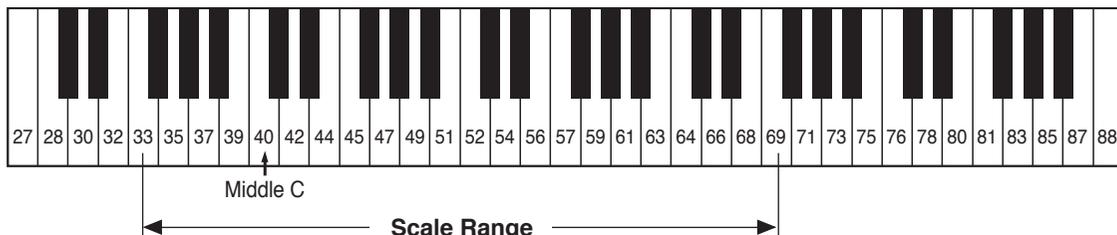
# Specifications

## ■ SPECIFICATIONS

### ● YV1605

Range .....	f–f3, 3 Octaves
Bars .....	Aluminum Alloy, 1-1/2" wide, 1/2" thick
Pitch .....	A = 442 Hz
Drive Unit .....	YVM-200 (Pause Controller), 25–145 rpm
Power Supply .....	YAMAHA AC Adapter PA-130 (D.C. 12 V, 1 A +  — North America), PA-D015 (D.C. 15 V, 1 A +  — Europe), or other adapter recommended by YAMAHA.
Power Consumption .....	2.9 W (PA-130), 3.6 W (PA-D015)
Dimensions (Length x Width) .....	124 x 74 cm (48-7/8" x 29-1/8")
Height Adjustment .....	80–88 cm (31-1/2" x 34-5/8")
Weight .....	38 kg (83.8 lbs)

## ■ SCALE RANGE



\* Specifications subject to change without notice.

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Manual Development Group

© 2014 Yamaha Corporation

Published 08/2020

2020年8月发行

POTO-T1

WQ84190