

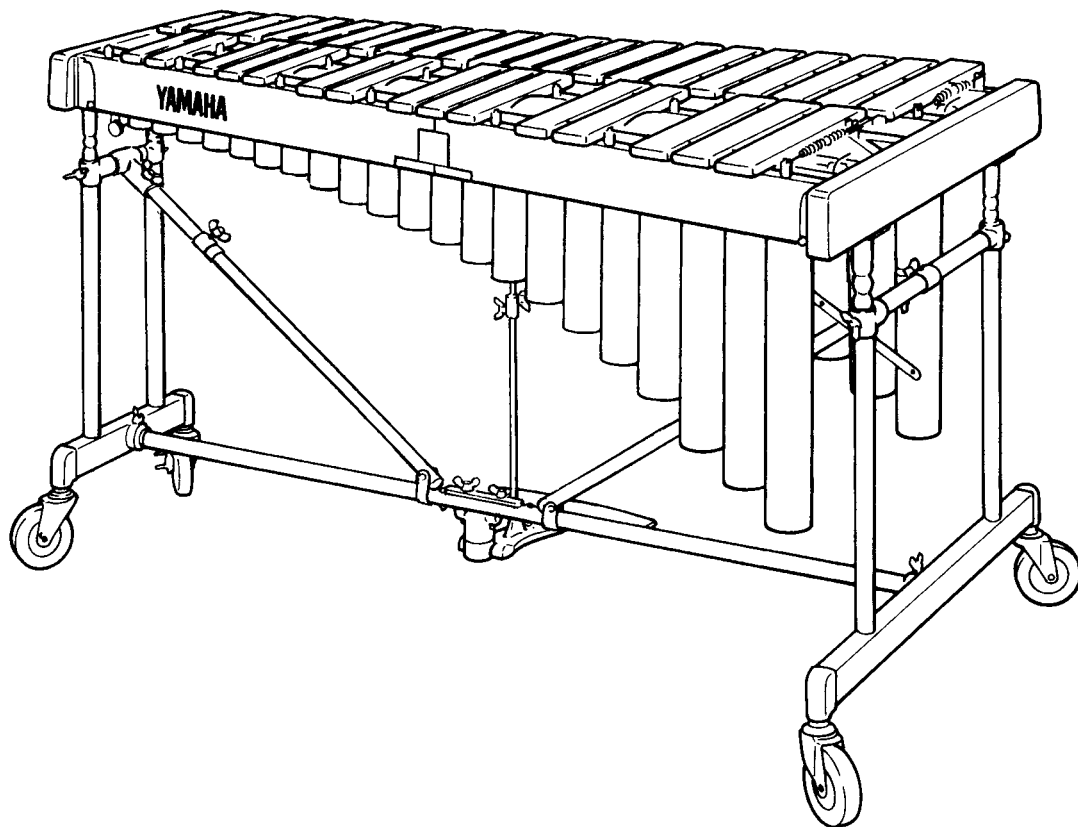


# CONCERT VIBES

*YV-3910/3710/3700/2700/2700G/1600A/520*

## Owner's Manual

Make sure to read the PRECAUTIONS on page 1.



# SPECIAL MESSAGE SECTION

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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.

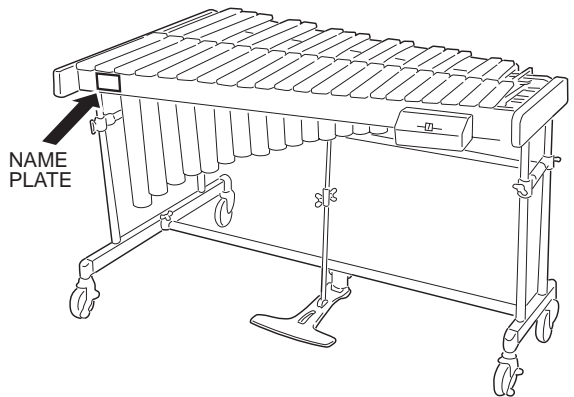
**SPECIFICATIONS SUBJECT TO CHANGE:** The information contained in this manual is believed to be correct at the time of printing. However, Yamaha reserves the right to change or modify any of the specifications without notice or obligation to update existing units.

**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** \_\_\_\_\_

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## PLEASE KEEP THIS MANUAL

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# PRECAUTIONS

Please read the following instructions carefully before using your vibes.

## ● Installation Location

Use or storage in the following locations may cause damage, even when packaged.

- In direct sunlight, such as near a window, or in a closed vehicle in daytime.
- Near heating devices or in other locations subject to excessive heat.
- In excessively cold environment.
- In places with excessive humidity or dust.
- Locations subject to vibrations.

The driver and the controller, in particular, must be protected from high humidity to avoid corrosion and short circuit.

## ● Do Not Use Outdoors

Avoid using the instrument outdoors. Avoid exposure to rain or moisture.

## ● Power Supply

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

## ● Handling

- Never place an object on or lean against the instrument, as this may cause damage to the tone bars and frame parts or topple the instrument, which is extremely dangerous.
- Do not use hard orchestra bell mallets or other hard objects on your vibes. The resulting dents or scratches in the tone bars could impair the sound.
- Rough handling of the controller and/or the driver may cause damage to the internal circuitry.
- Never try to disassemble the controller or driver, as this may result in severe damage.

## ● Moving and Transporting the Instrument

- Move the instrument carefully to avoid shocks. Before moving the instrument, make sure that the AC adapter is disconnected and the caster brakes are released. Also make sure to lift the instrument slightly when moving over rough surfaces.
- When the instrument must be transported to a different location make sure to fully disassemble it, taking care to pack each component properly. Disassembly steps are in the opposite order of assembly.

## ● When Not in Use

- Make sure to turn off the power switch and disconnect the AC adapter from the outlet.
- Always engage the caster brakes.

## ● Maintenance

The tone bars should be polished from time to time using a soft and dry cloth or silicone cloth. Stains that cannot be removed with a dry cloth may be wiped off using a small amount of ethyl alcohol. Never use thinner or benzene or a wet cloth for cleaning purposes.

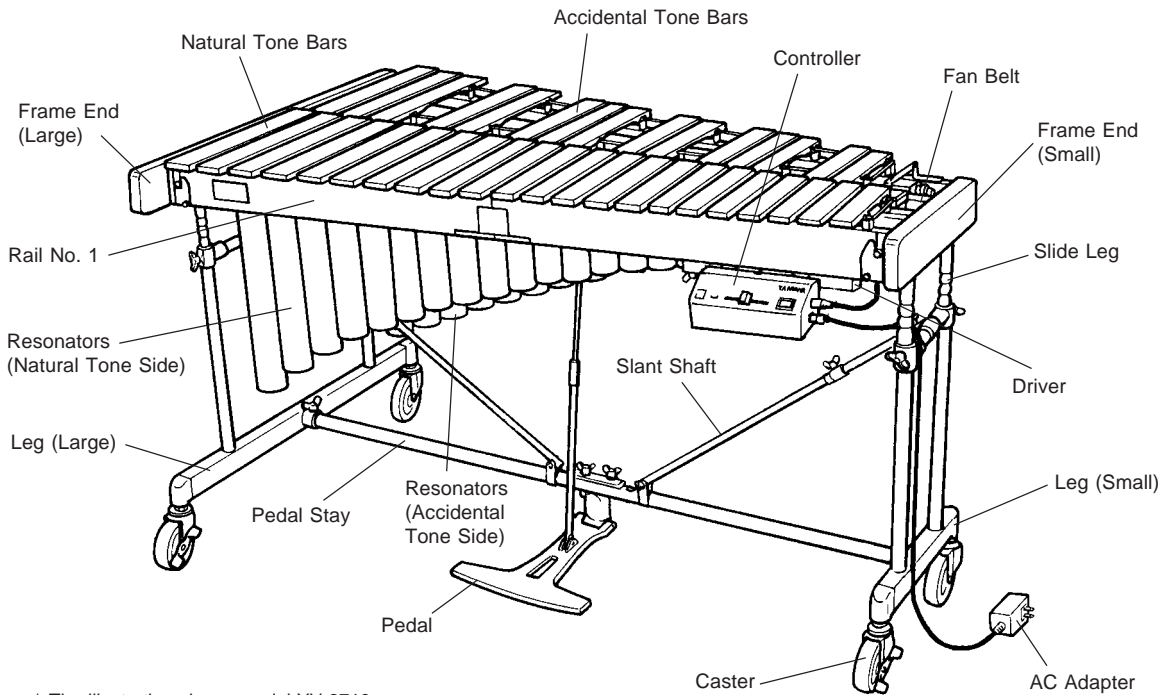
## ● Keep This Manual for Future Reference

After reading, make sure to keep the manual in a safe place.

## Assembly Cautions

- When assembling/disassembling the instrument, make sure to follow the procedure outlined in this manual. Assembly in the wrong order may impair the performance and functionality of the instrument or cause noise.
- Make sure to adjust the wire clip positions after assembly. (YV-3910/3710/3700: P. 17)
- Height adjustment of the striking surface (YV-3910/3710/3700: P. 18, YV-2700/2700G/1600A/520: P 25) should be performed by **AT LEAST 2 PERSONS**.
- After final adjustment of the legs the fixing screws must be tightened securely to prevent loosening. Looseness may cause the instrument to shift during performance and can also cause noise and other problems. Retighten the screws from time to time.

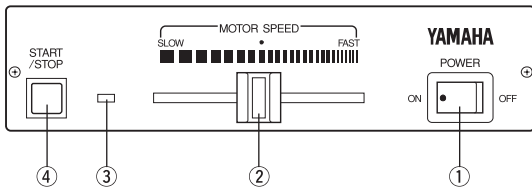
# NOMENCLATURE : YV-3910/3710/3700/2700/2700G/1600A/520



\* The illustration shows model YV-3710

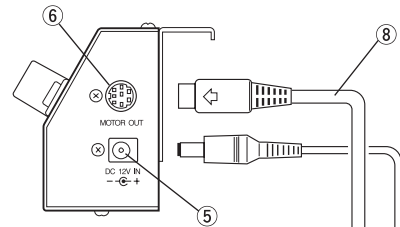
## ■ Vibes Drive Unit

### ● Controller (Player Side)

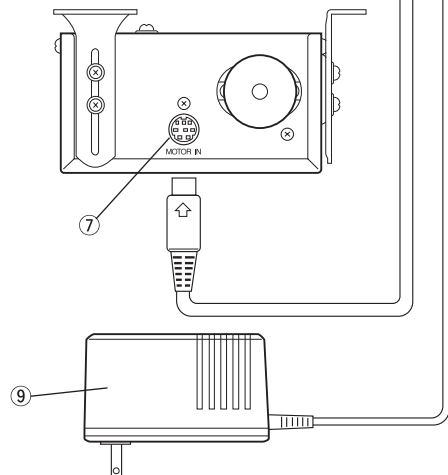


- ① **POWER Switch**  
Turns the power on and off.
- ② **MOTOR SPEED Slider**  
Controls the fan rotation speed.
- ③ **LED Indicator**  
Lights when the power is turned on and flashes while the fan is rotating.
- ④ **START/STOP Button**  
Starts and stops fan rotation.
- ⑤ **DC 12V IN Jack**
- ⑥ **MOTOR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

### ● Controller (Right Side)



### ● Driver (Player Side)

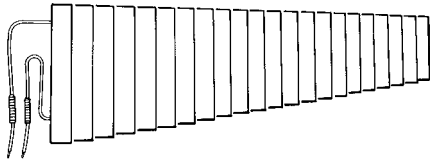


# CONFIRMATION OF PACKING CONTENTS : YV-3700

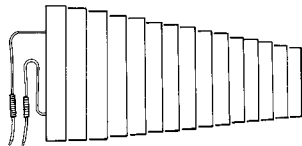
The shipping carton of your YV-3700 should contain the parts shown below.  
Before assembling the instrument, confirm that all parts are included as listed.

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

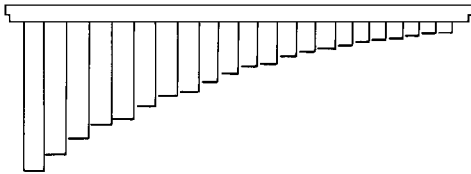
① Natural Tone Bars



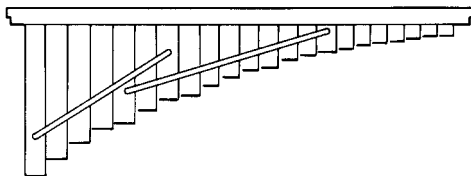
② Accidental Tone Bars



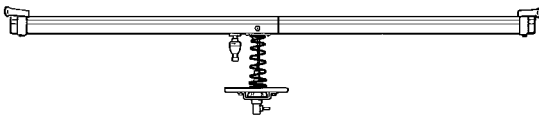
③ Resonators (Natural Tone Side)



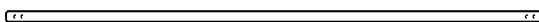
④ Resonators (Accidental Tone Side)



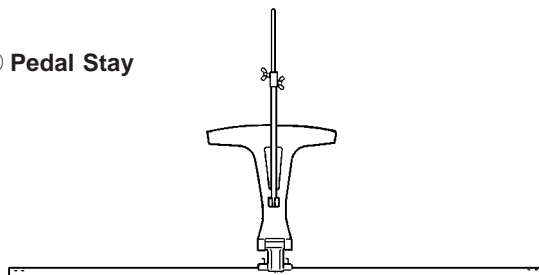
⑤ Sustain Damper



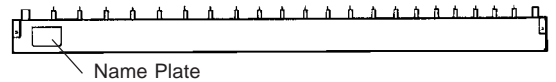
⑥ Reinforcement Stay



⑦ Pedal Stay



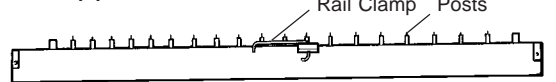
⑧ Rail (1) : Player Side



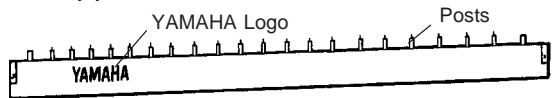
⑨ Rail (2) : Player Side



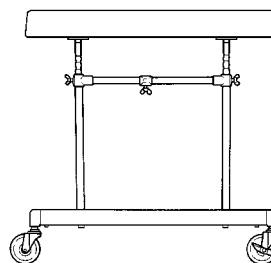
⑩ Rail (3) : Audience Side



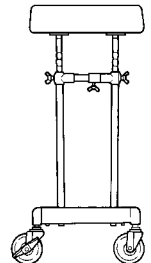
⑪ Rail (4) : Audience Side



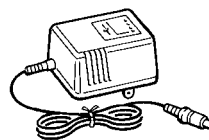
⑫ Leg (Large)



⑬ Leg (Small)



⑭ AC Adapter

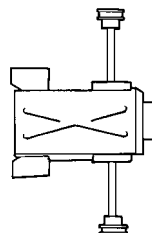


⑮ Synchro Belt (Fan Belt): 2 pcs.

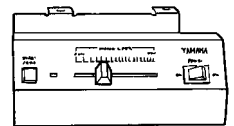


Vibes Drive Unit: YVM-300

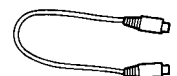
⑯ Driver



⑰ Controller



⑱ 8P DIN Cable

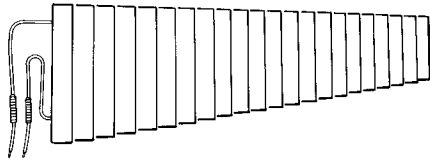


# CONFIRMATION OF PACKING CONTENTS : YV-3910/3710

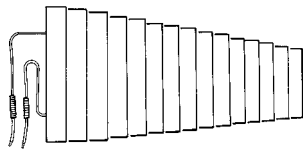
The shipping carton of your YV-3910/3710 should contain the parts shown below.  
Before assembling the instrument, confirm that all parts are included as listed.

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

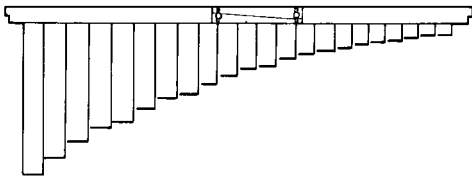
① Natural Tone Bars



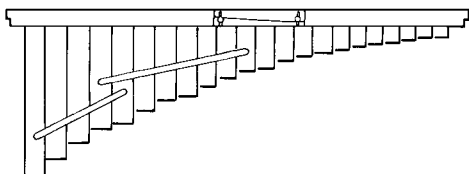
② Accidental Tone Bars



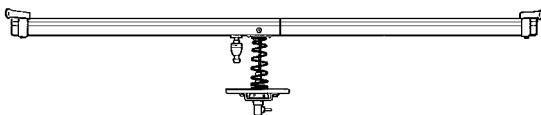
③ Resonators (Natural Tone Side)



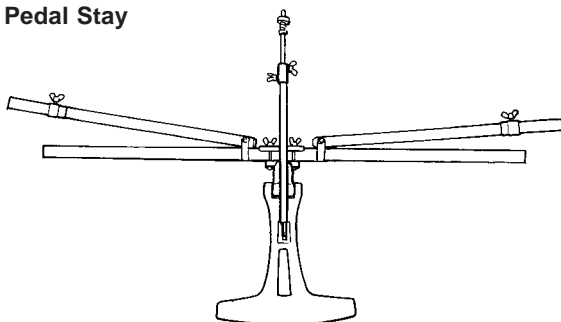
④ Resonators (Accidental Tone Side)



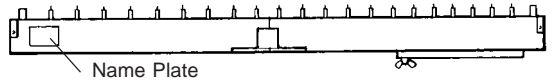
⑤ Sustain Damper



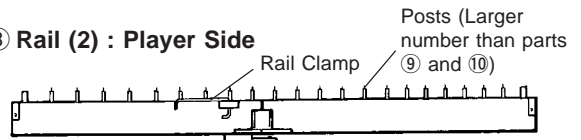
⑥ Pedal Stay



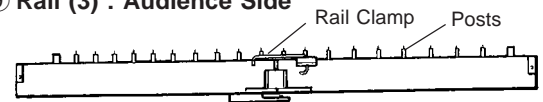
⑦ Rail (1) : Player Side



⑧ Rail (2) : Player Side



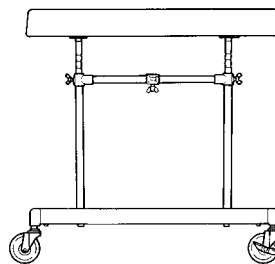
⑨ Rail (3) : Audience Side



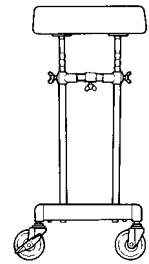
⑩ Rail (4) : Audience Side



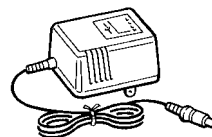
⑪ Leg (Large)



⑫ Leg (Small)



⑬ AC Adapter

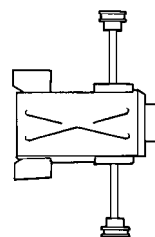


⑭ Synchro Belt (Fan Belt): 2 pcs.

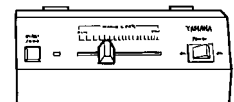


Vibes Drive Unit: YVM-300

⑮ Driver



⑯ Controller



⑰ 8P DIN Cable

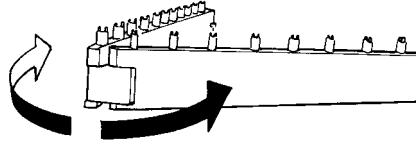


## ■ Dividable Parts and Collapsible Parts (YV-3910/3710 only)

The YV-3910's/YV-3710's large parts are designed to either divide or collapse. When the instrument is broken down, its compact size makes it easy to transport and storage requires a minimum amount of space.

### ● Rails

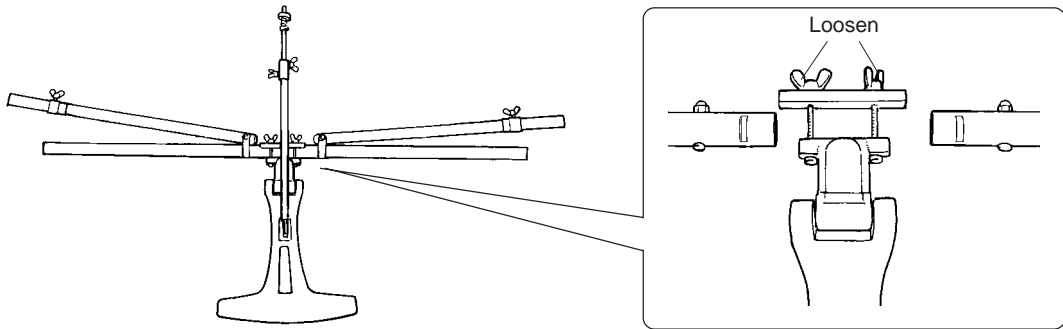
The rails fold in from the center.



### ● Pedal Stay

The pedal stay divides into left and right sections and the pedal itself.

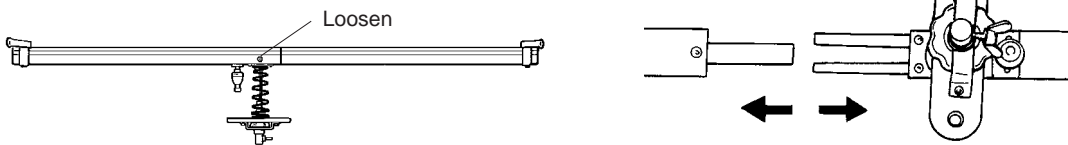
Loosen the 2 wing nuts and remove the stays from the pedal attachment.



### ● Sustain Damper

The sustain damper divides into 2 sections.

Loosen the bolt and separate left and right sections.

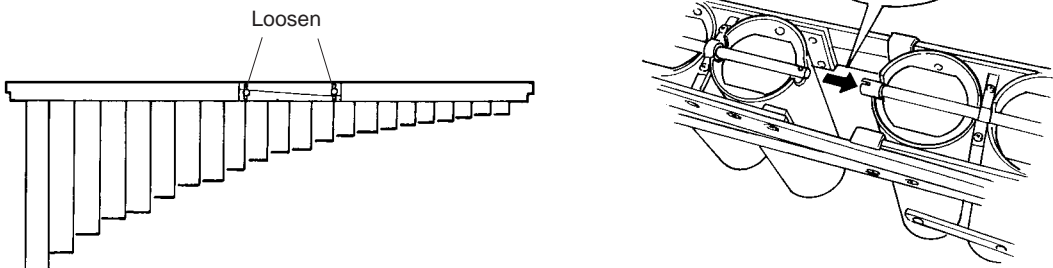


### ● Resonators

Both resonators divide into two sections.

Loosen both bolts and separate left and right sections.

\* **When assembling the resonators, make sure that the pin and notch are properly aligned.**

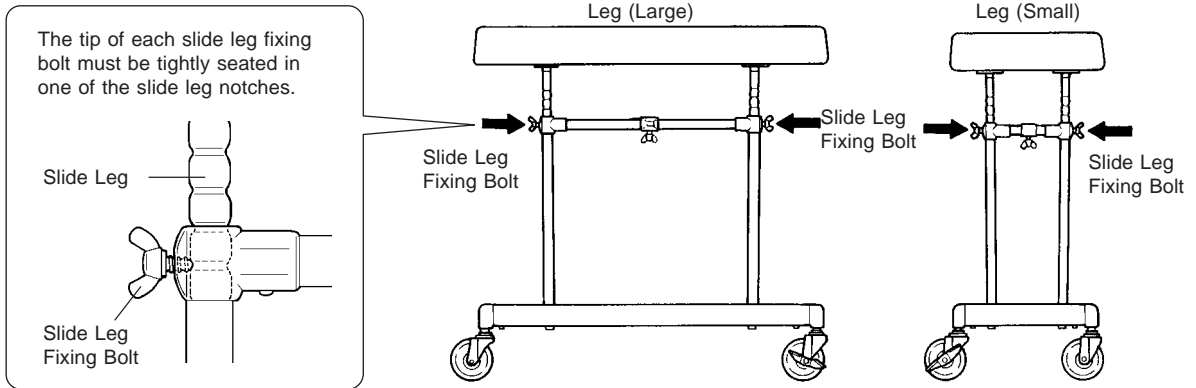


# ASSEMBLY : YV-3910/3710/3700

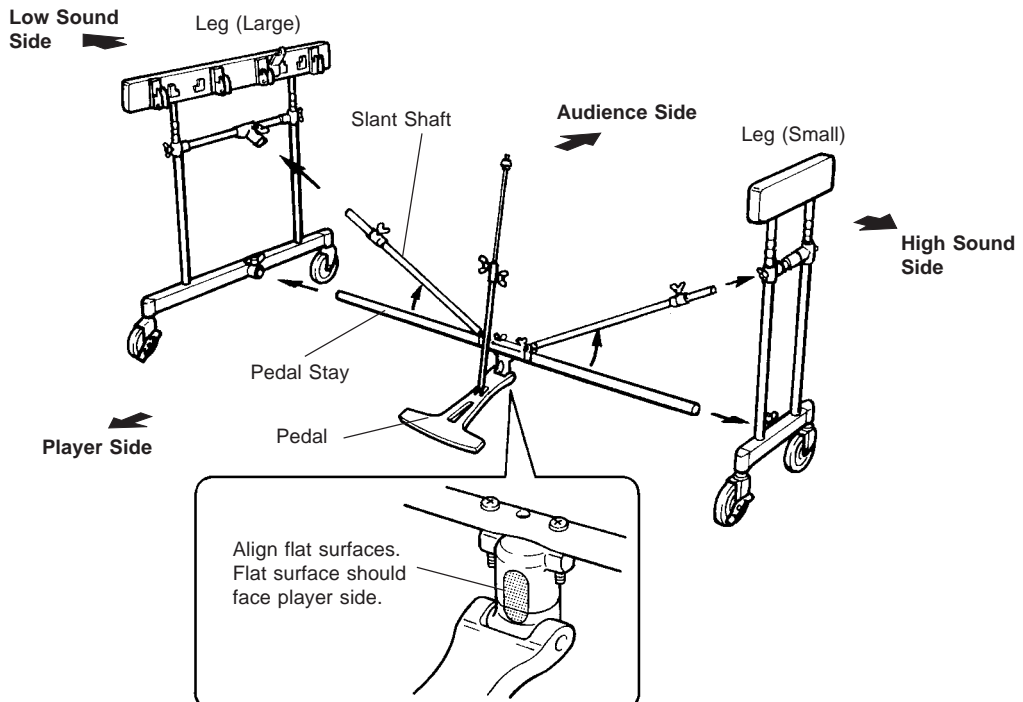
For safety, assembly should be performed by at least 2 persons in a location with sufficient space. We recommend to you to assemble the instrument on a soft rug or carpet.

## 1 Connect the large and the small leg using the reinforcement stay and pedal stay.

\* Before proceeding, make sure that the slide leg fixing bolts of the large and small leg are securely fastened.



1-1 ● YV-3910/3710 : Place the large leg, small leg, pedal stay (and reinforcement stay : YV-3700) so that after assembly each part will be positioned as illustrated.

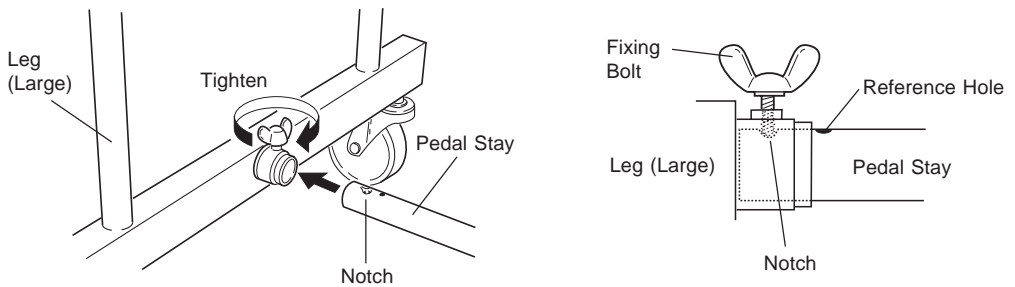




- 1-2 ● **YV-3910/3710** : Insert the pedal stay with its notch facing up into the lower joint of the large leg as far as it will go (aligning the notch with the fixing bolt) and tighten the fixing bolt securely.

\* The hole next to the notch serves as a reference for the correct insertion position.

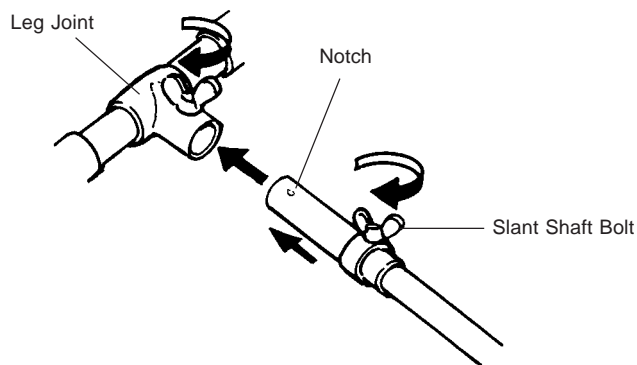
- 1-3 ● **YV-3910/3710** : Connect the other ends of the pedal stay with the small leg in the same way.



- 1-4 ● **YV-3910/3710** : Loosen the slant shaft bolt, extend the shaft and insert the shaft end into the leg joint.

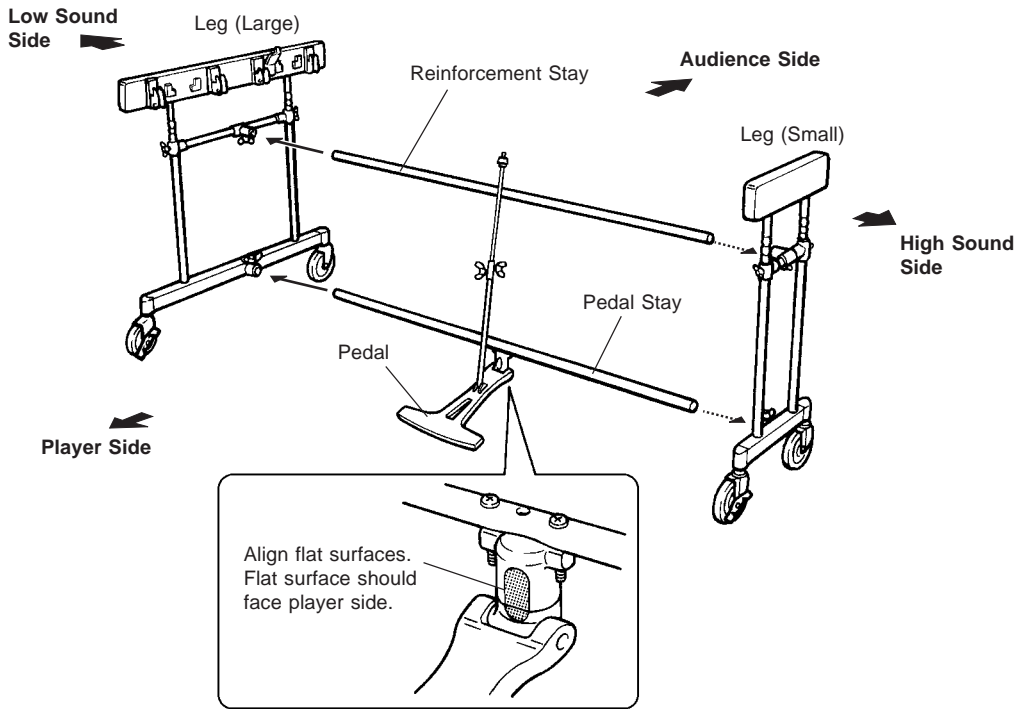
With the notch aligned with the fixing bolt (the same as in the pedal stay assembly) tighten the fixing bolt securely.

- 1-5 ● **YV-3910/3710** : Connect the other side slant shaft with the small leg in the same way.



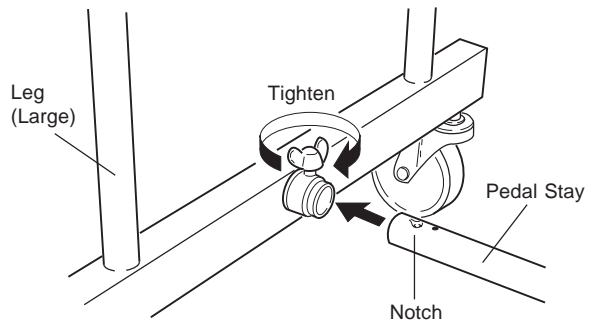
# ASSEMBLY: YV-3910/3710/3700

- 1-1 ● **YV-3700** : Place the large leg, small leg, pedal stay (and reinforcement stay : YV-3700) so that after assembly each part will be positioned as illustrated.

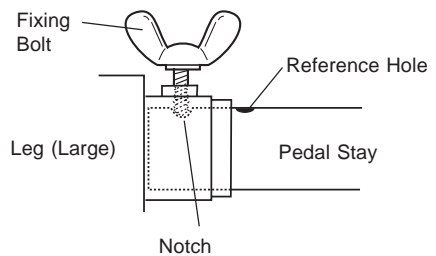


- 1-2 ● **YV-3700** :  
Insert the pedal stay with its notch facing up into the lower joint of the large leg as far as it will go (aligning the notch with the fixing bolt) and tighten the fixing bolt securely.

\* The hole next to the notch serves as a reference for the correct insertion position.



- 1-3 ● **YV-3700** :  
In the same way, insert the reinforcement stay with its notch facing down into the upper joint of the large leg and tighten the fixing bolt.



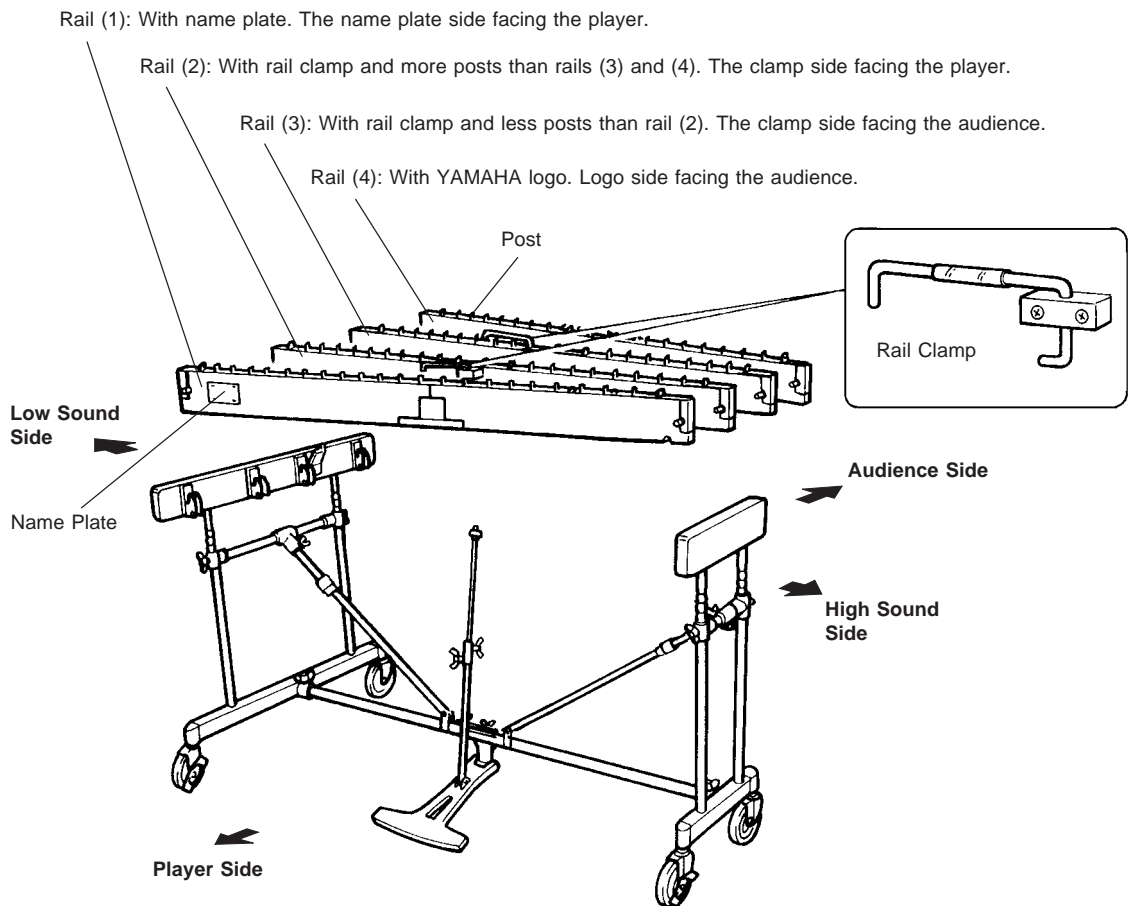
- 1-4 ● **YV-3700** :  
Connect the other ends of both stays with the small leg in the same way.

**2 Insert the rails (1) through (4) into the legs.**

**2-1** First, insert rail (2).

\* Do not insert the rail one side at a time, but at first alternately push in the left and right sides little by little, after which the rail can be pushed down until it stops.

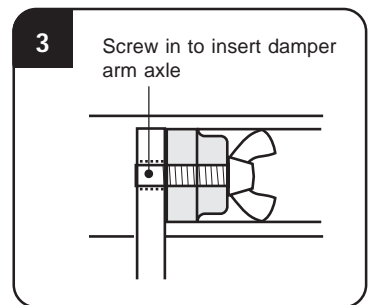
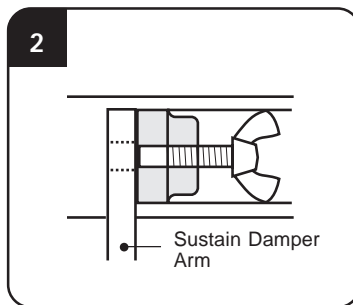
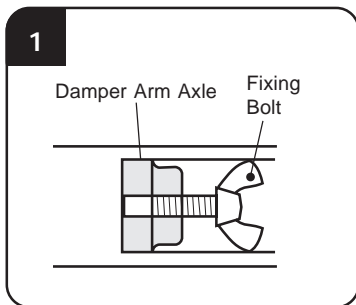
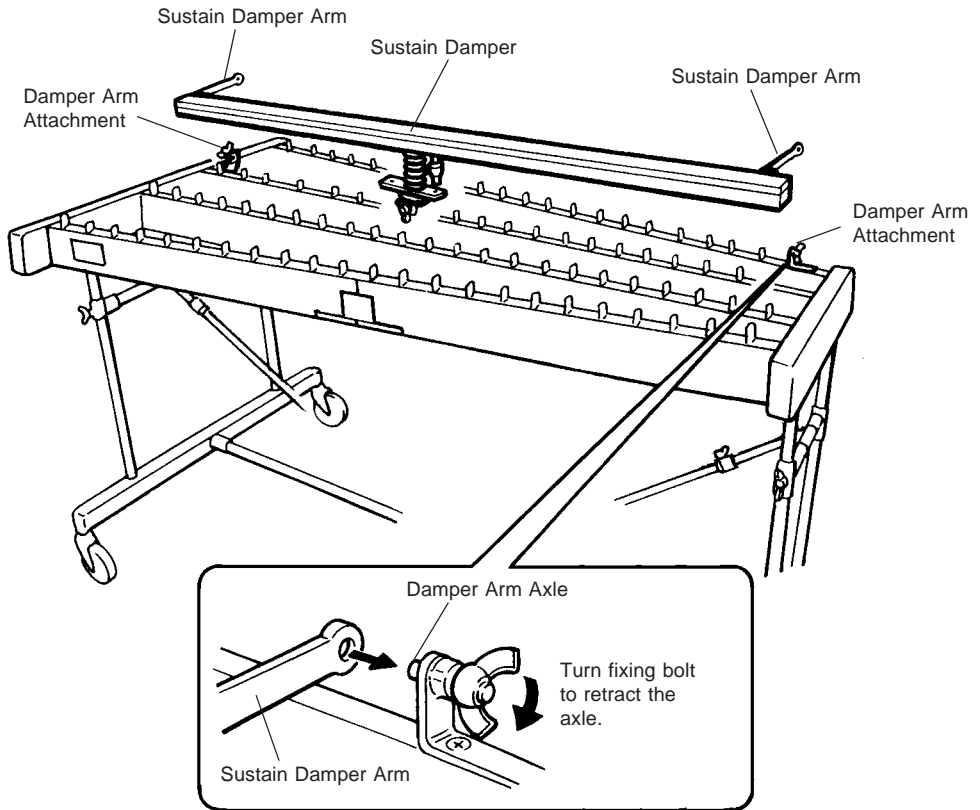
**2-2** Next, securely insert the rails (3), (1) and (4), in this order.



\* The illustration shows model YV-3710

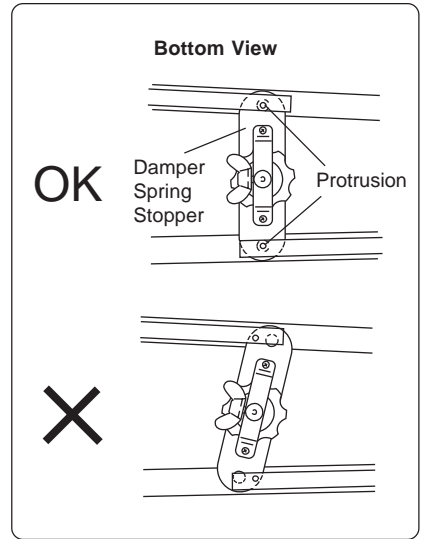
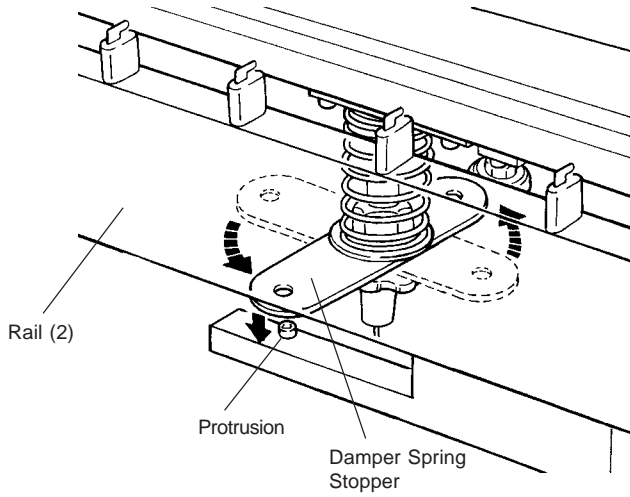
**3 Attach the sustain damper.**

- 3-1**
- 1** Turn the fixing bolt (damper arm axle) of the damper arm attachment counterclockwise until the axle has fully disappeared in the attachment hole.
  - 2** Align the damper arm hole with the damper arm axle.
  - 3** Turn the fixing bolt of the damper arm attachment clockwise to insert the damper arm axle into the sustain damper arm.

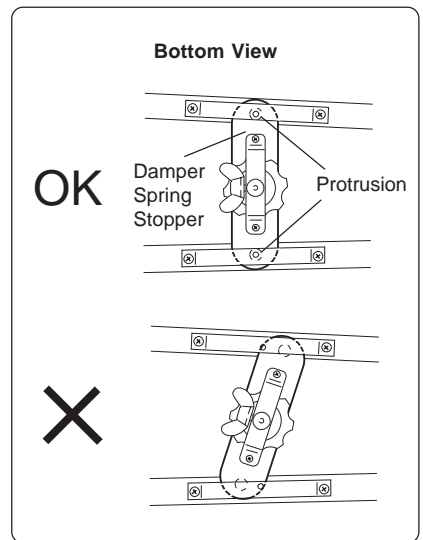
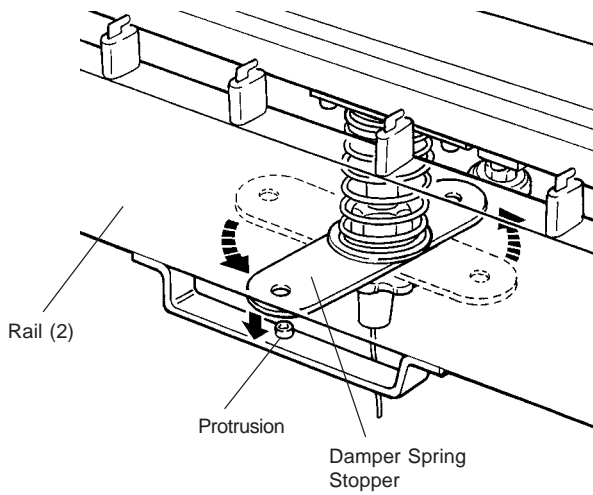


- 3-2 Align the holes in both ends of the damper spring stopper with the protrusions of the fittings on the bottom surfaces of rails (2) and (3) and insert.

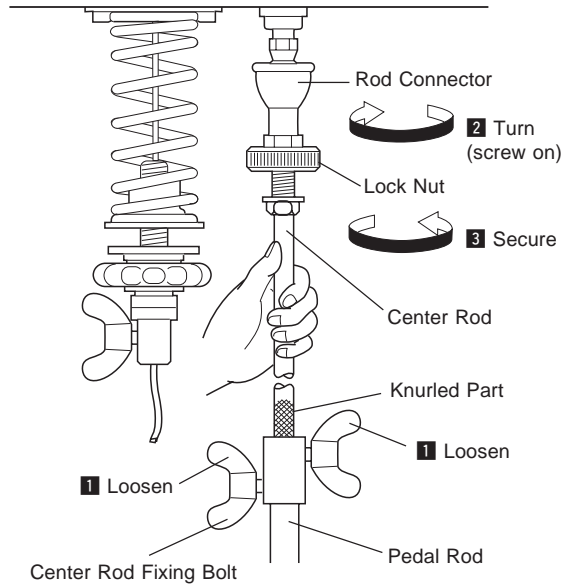
● YV-3910/3710



● YV-3700

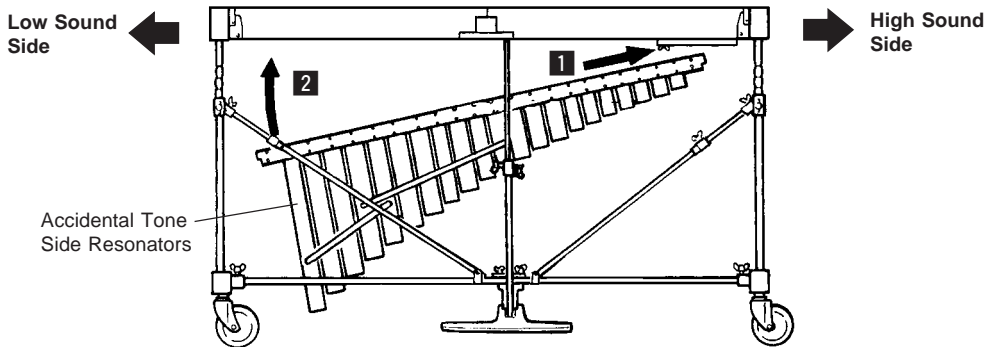


- 3-3**
- 1** Loosen the center rod fixing bolts to extend the center rod.
  - 2** Connect the center rod with the fitting of the rod connector by firmly holding the center rod while turning the rod connector.
  - 3** Tighten the rod connector until it stops, and then secure with the lock nut.



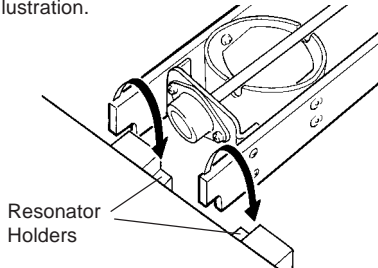
## 4 Attach the resonators.

- 4-1** 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.



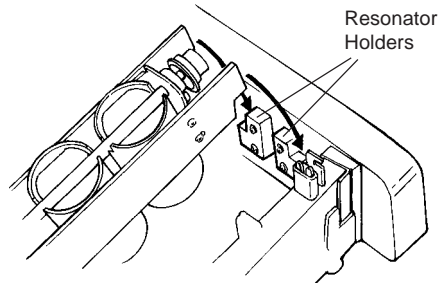
**2**

To engage the low sound side, lift it over the resonator holders and then insert it into the gap between the two holders, as shown in the illustration.



**1**

First, place the high sound side onto the corresponding resonator holders.

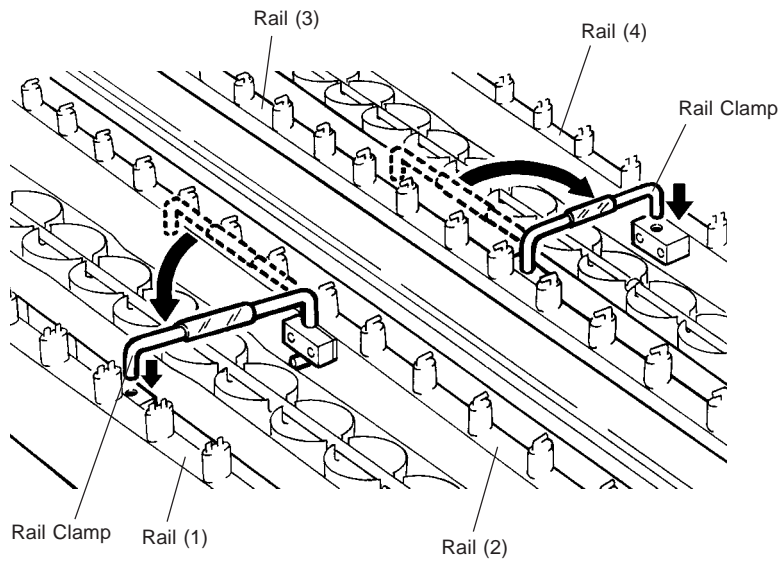


**5 Set the tone bars.**

**5-1** (Refer to the illustration of step **3-3**)

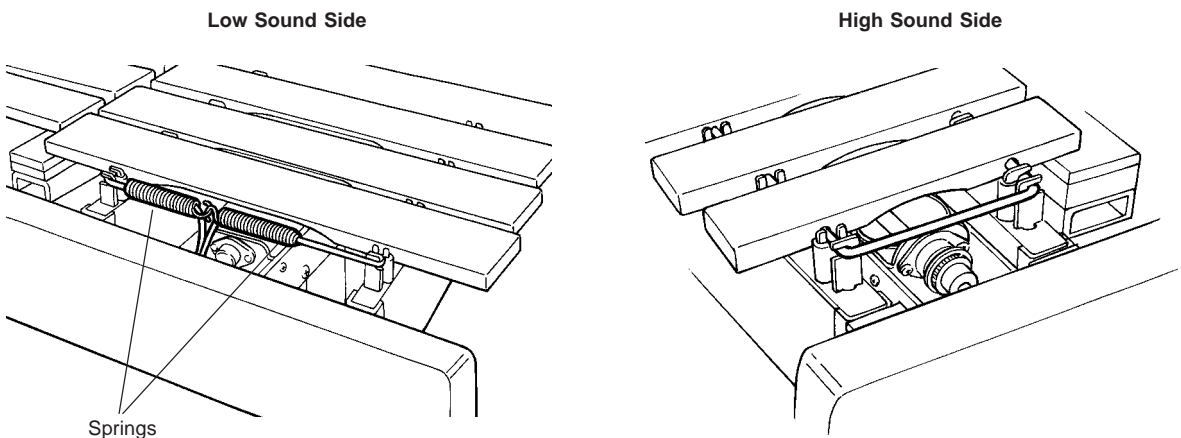
Raise the pedal until the knurled part is fully retracted, and fix the center rod by tightening the center rod fixing bolt.

**5-2** Engage the rail clamp on rail (2) and rail (3) with rail (1) and rail (4), respectively.



**5-3** Hold the pedal depressed to keep the sustain damper lowered, and then carefully set the tone bars.

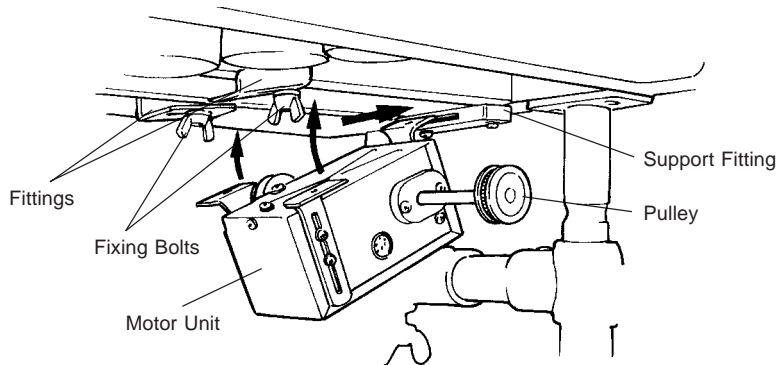
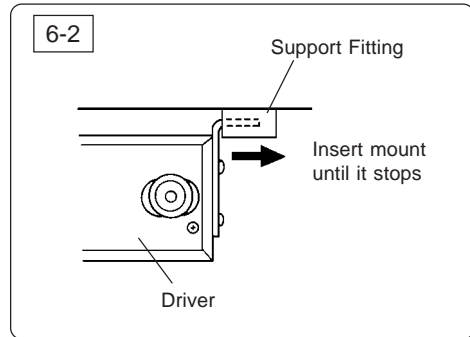
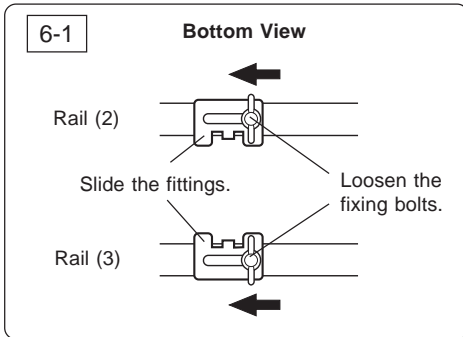
Align each tone bar individually, and hook its string onto the corresponding post. Confirm that all strings are secured to their posts, and then hook the two springs at the low sound side into each other.



## 6 Attach the driver.

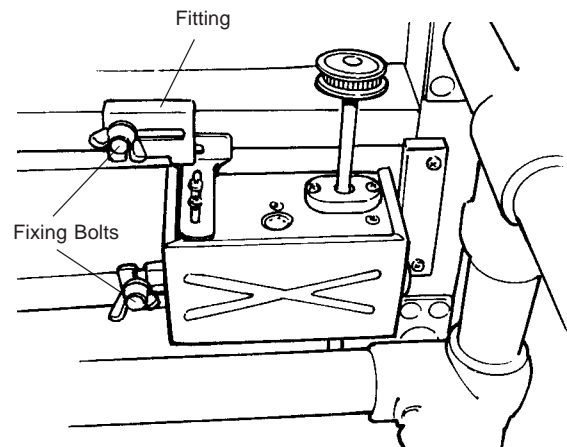
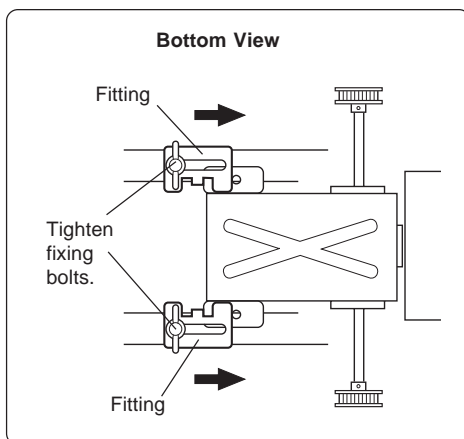
6-1 Loosen the fixing bolts at the bottom of rails (2) and (3) on the high sound side, and slide both fittings in the direction of the low sound side.

6-2 Fully insert the driver mount into the support fitting.



6-3 Slide the fittings moved in step 6-1 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.



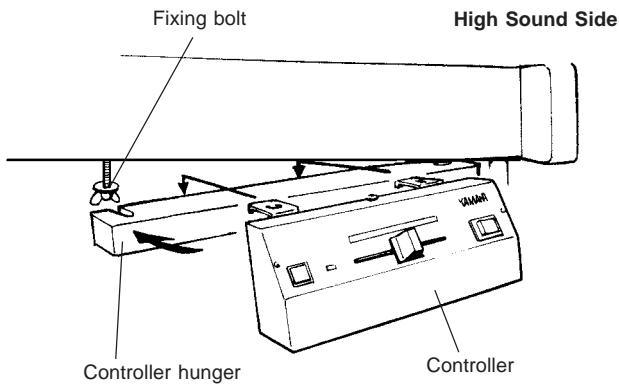


**7 Attach the controller.**

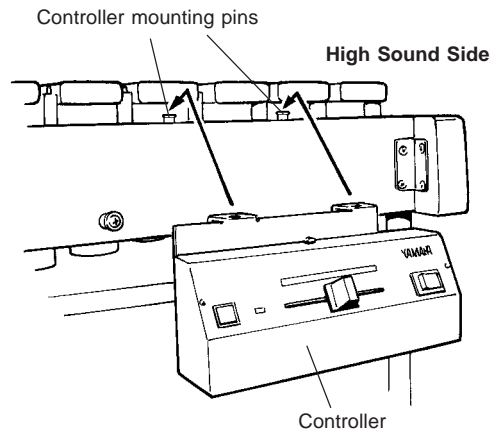
**7-1** ● **YV-3910/3710** : Loosen the fixing bolt, slide out the controller hanger and hang the controller on the hanger. Return the controller hanger to its proper position and tighten the fixing bolt.

● **YV-3700** : 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.

● **YV-3910/3710**

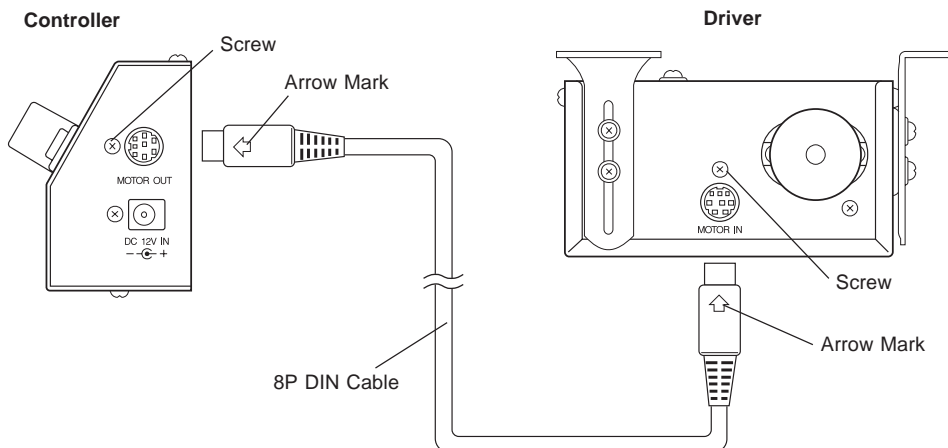


● **YV-3700**



**8 Connect the driver with the controller.**

**8-1** 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.



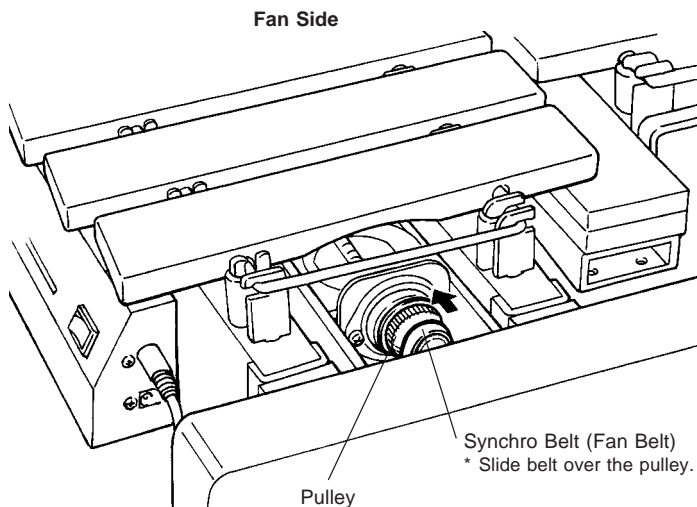
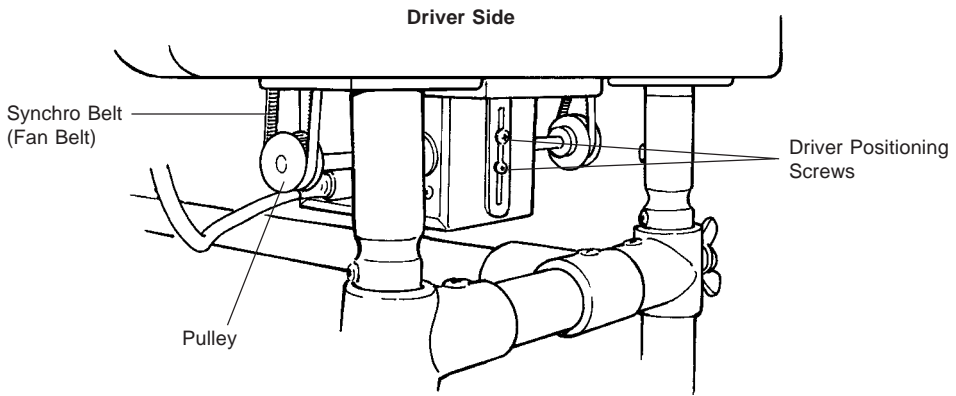
\* In case the 8P DIN cable is misplaced, the following spare part may be ordered:

Part No.	Part Name	Specification
W5128092	8P DIN Cable	L=220

**9 Set the synchro belts (fan belts)\*.**

- 9-1** First, wrap the synchro belt around the driver pulley and then carefully slide it over the fan side pulley.

**\* Note For Service Personnel**  
 If the belt cannot be mounted because the distance between 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.



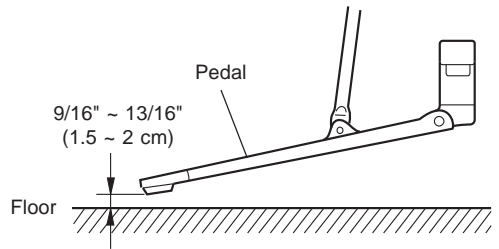
\* In case the belt is misplaced or worn, the following spare part may be ordered:

Part No.	Part Name	Specification
W5128092	Synchro Belt	18OTN15-3.0

**10 ADJUSTMENTS**

**10-1 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).



**10-2 Wire Clip Adjustment**

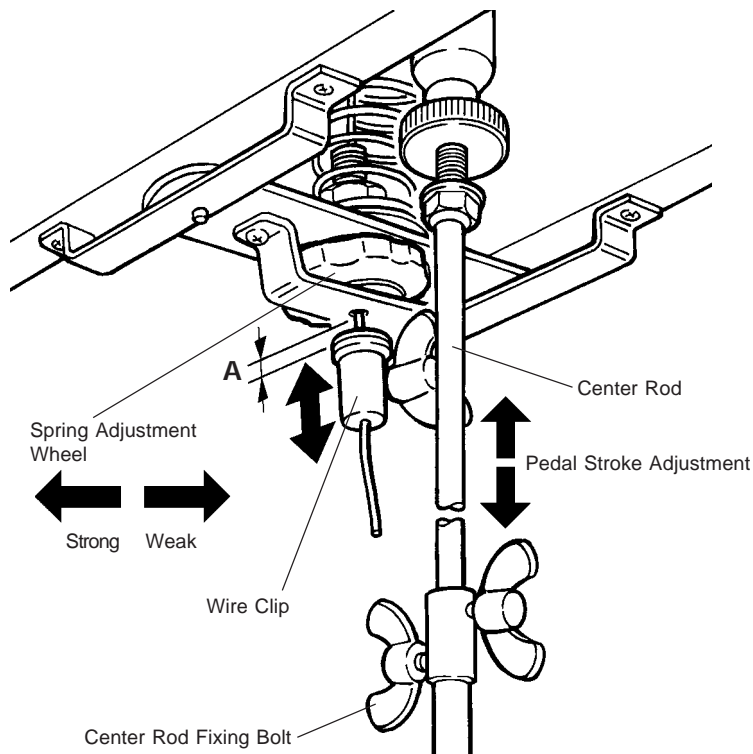
For shipment the wire clip is initially set at a low position for packing reasons. For normal use this clip should be adjusted as follows: With the pedal released loosen the fixing bolt of the wire clip, shift the clip up until distance **A** in the illustration below is 1/16" to 1/8" (1 to 3 mm), and tighten the wing bolt in this position.

The clip also allows setting the instrument to "half sustain damper" (slight continuous damper effect) or "open damper"\* by changing its position accordingly.

\* To set to "open damper" depress the damper pedal fully to keep the damper open, and set the wire clip to the highest position to lock the damper.

**10-3 Damper Spring Adjustment**

The damper effect (its pressing force on the tone bars) and the pedal force can be increased by turning the spring adjustment wheel counterclockwise.



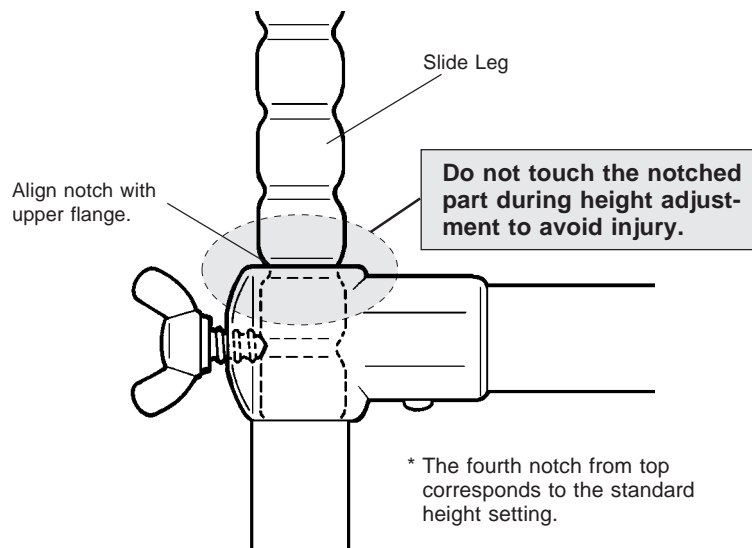
### 10-4 Tone Bar Height Adjustment

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

To adjust the height of the tone bars, first remove the synchro belt, driver, controller, tone bars, and resonators in the reverse order of steps [9](#), [8](#), [7](#), [6](#), [5](#), and [4](#), and loosen the center rod fixing bolts.

Loosen the slide leg fixing bolts on the high and low sound sides, while supporting the frame ends by hand.

Lift the frame ends to the desired height and then securely tighten each 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.



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

**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.**

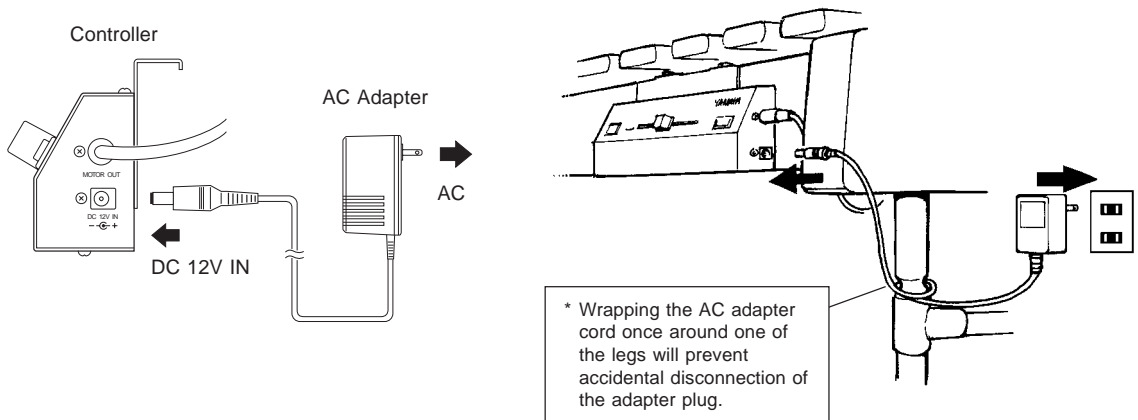
# BEFORE PLAYING : YV-3910/3710/3700/2700/2700G/1600A/520

## ■ 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 12V IN jack on the controller.
- 2 Plug the AC adapter into a power outlet.

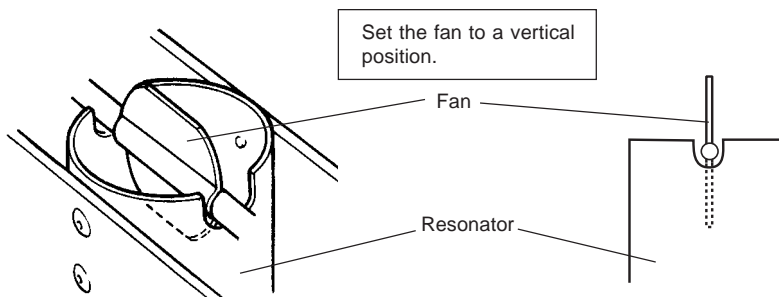
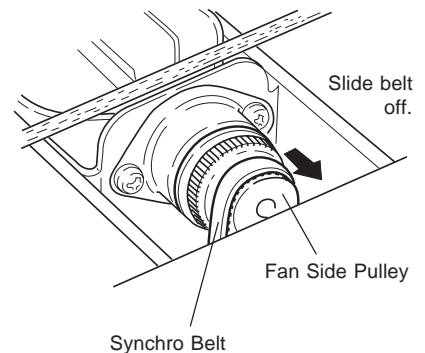


## ■ PAUSE MEMORY FUNCTION SETTING (YV-3910/3710/3700 only)

The YV-3910, YV-3710 and YV-3700 are equipped with a PAUSE MEMORY FUNCTION which stops the fan always in exactly the same position when it is turned off (no vibrato applied).

After connection to an AC outlet, set the PAUSE MEMORY to the desired fan stop position as follows:

- 1 Turn the controller power ON.
  - 2 Press the START/STOP button once to start the fan, and then press the START/STOP button once again to stop the fan.
  - 3 Remove the synchro belt by sliding it off the fan side pulley, as shown in the illustration. Position the fan vertically (fan position with strongest resonator effect) and remount the belt.
- Perform this setting for both the natural and the accidental tone side.

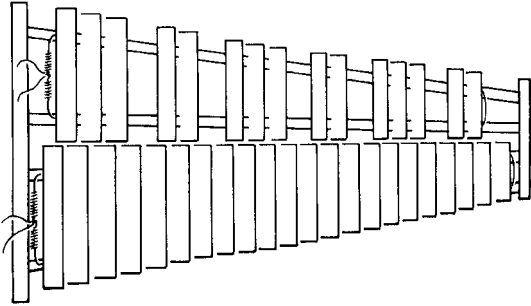


# CONFIRMATION OF PACKING CONTENTS : YV-2700/2700G/1600A/520

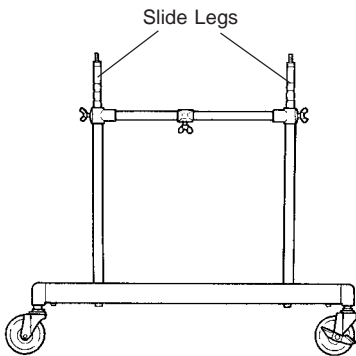
The shipping carton of your YV-2700/2700G/1600A/520 should contain the parts shown below. Before assembling the instrument, confirm that all parts are included as listed.

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

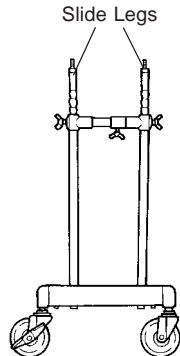
## ① Vibes Main Unit



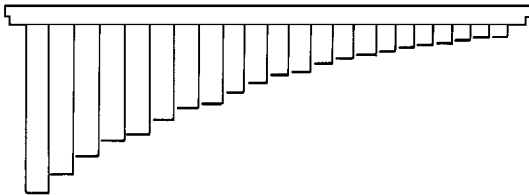
## ② Leg (Large)



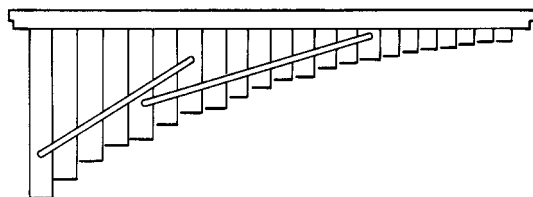
## ③ Leg (Small)



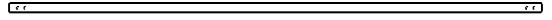
## ④ Resonators (Natural Tone Side)



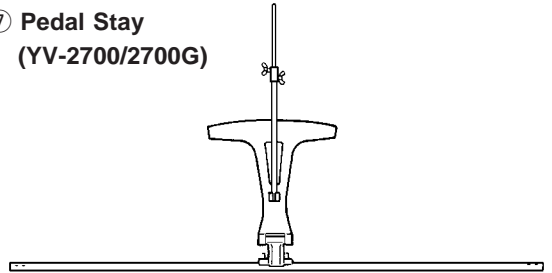
## ⑤ Resonators (Accidental Tone Side)



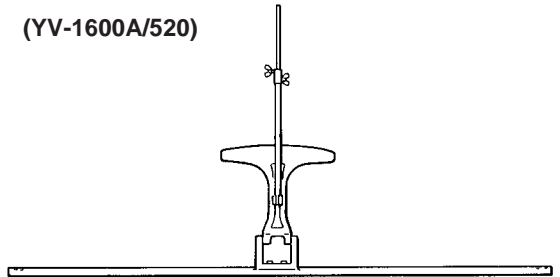
## ⑥ Reinforcement Stay (YV-2700/2700G only)



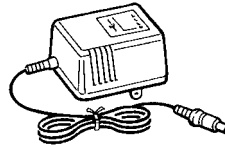
## ⑦ Pedal Stay (YV-2700/2700G)



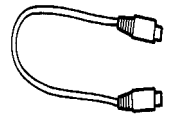
## (YV-1600A/520)



## ⑧ AC Adapter

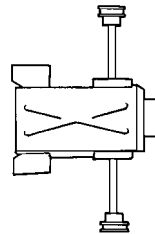


## ⑨ Round Belt (Fan Belt): 2 pcs.

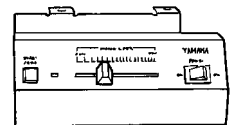


## Vibes Drive Unit: YVM-200/YVM-100

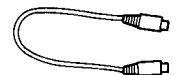
### ⑩ Driver



### ⑪ Controller



### ⑫ 8P DIN Cable

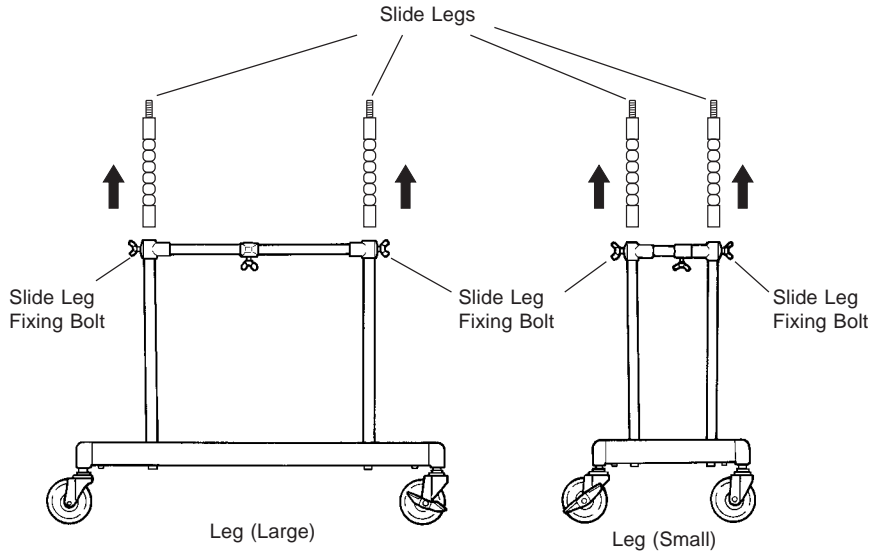


\* The driver of YV-520 is attached to ① Main Unit.

# ASSEMBLY : YV-2700/2700G/1600A/520

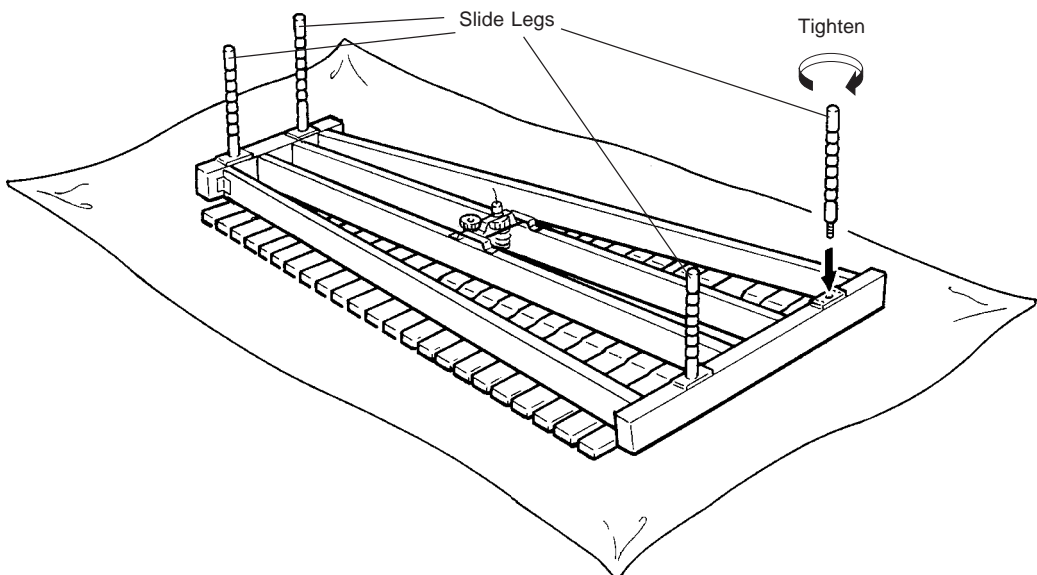
For safety, assembly should be performed by at least 2 persons in a location with sufficient space. We recommend to you to assemble the instrument on a soft rug or carpet to avoid scratches in the tone bars.

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



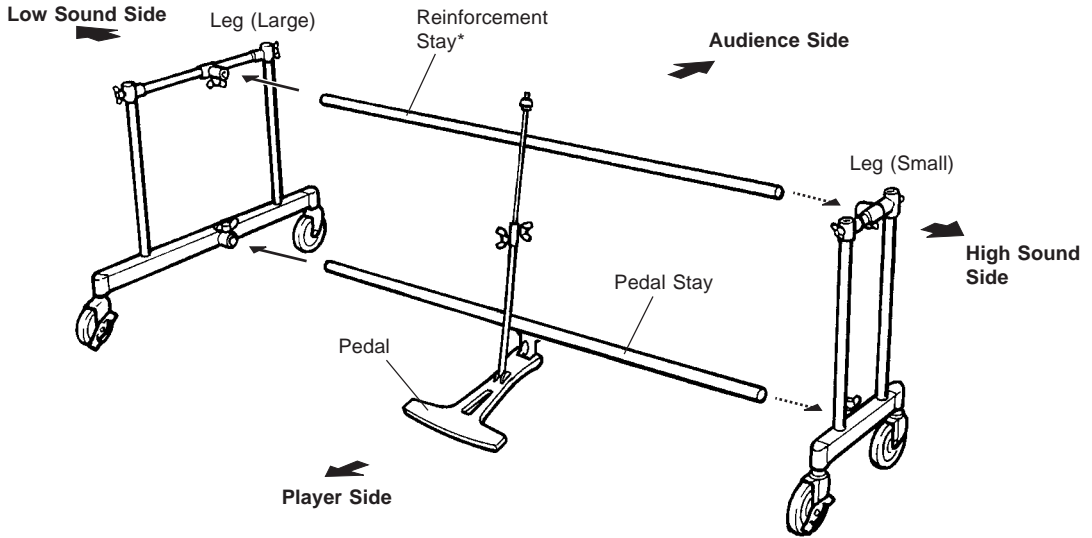
\* The illustrations show model YV-2700/2700G

- 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.)



## ASSEMBLY : YV-2700/2700G/1600A/520

- 4 Place the large leg, small leg, pedal stay and reinforcement stay\* so that after assembly each part will be positioned as illustrated. (\* YV-1600A/520 is not equipped with a reinforcement stay)

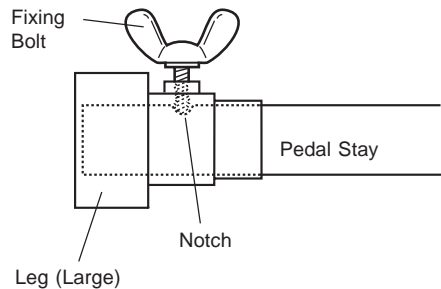
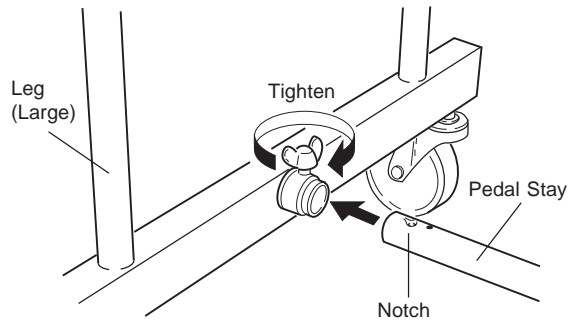


- 5 Connect the large leg and small leg with the pedal stay and the reinforcement stay. Insert the pedal stay with its notch facing up into the lower joint of the large leg as far as it will go (aligning the notch with the fixing bolt) and tighten the fixing bolt securely.

\* The hole next to the notch serves as a reference for the correct insertion position.

- 6 In the same way, insert the reinforcement stay with its notch facing down into the upper joint of the large leg and tighten the fixing bolt.

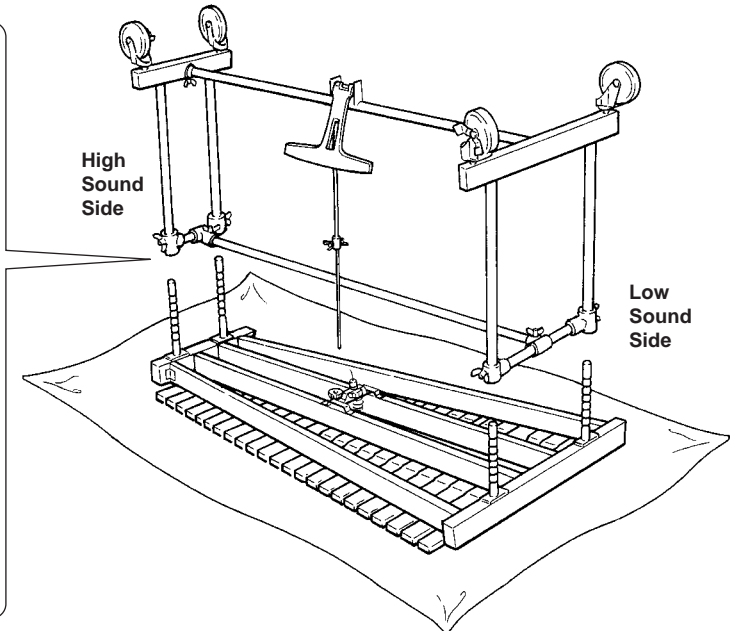
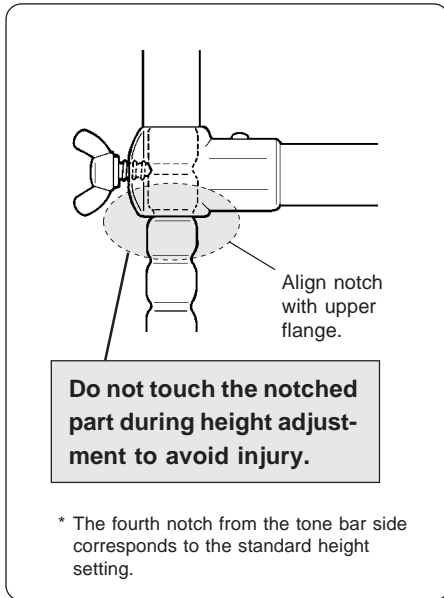
- 7 Connect the other ends of both stays with the small leg in the same way.





- 8 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.

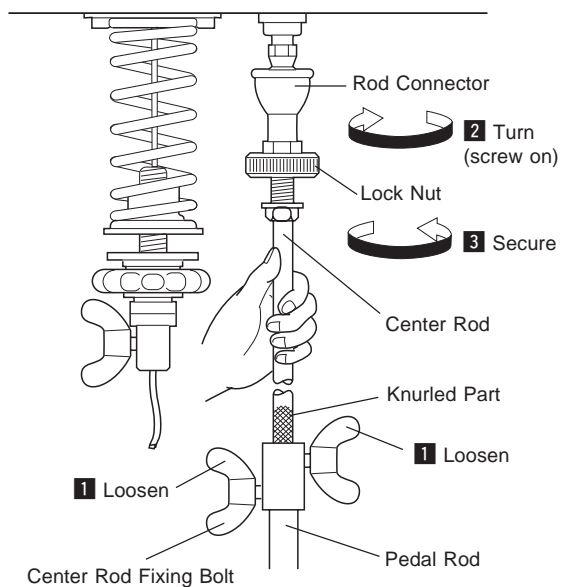


**When a slide leg fixing bolt is tightened in between two notches, there is a danger of the slide leg slipping. Always make sure that the slide legs are held securely.**

- 9 After fixing the legs, connect the pedal with the sustain damper.

● For YV-2700/2700G:

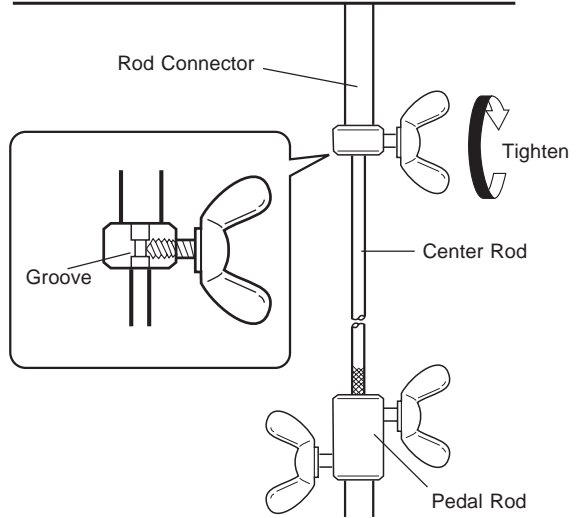
- 1 Loosen the center rod fixing bolts to extend the center rod.
- 2 Connect the center rod with the fitting of the rod connector by firmly holding the center rod while turning the rod connector.
- 3 Tighten the rod connector until it stops, and then secure with the lock nut.



## ASSEMBLY : YV-2700/2700G/1600A/520

### ● For YV-1600A/520

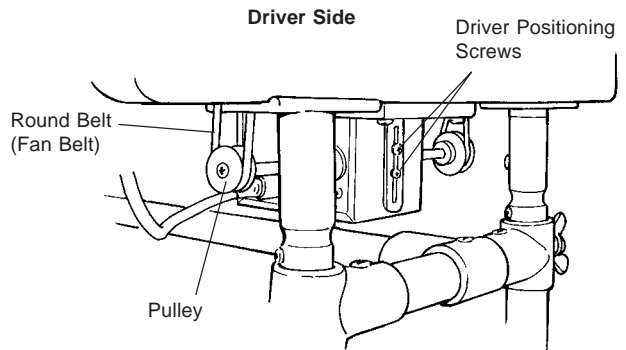
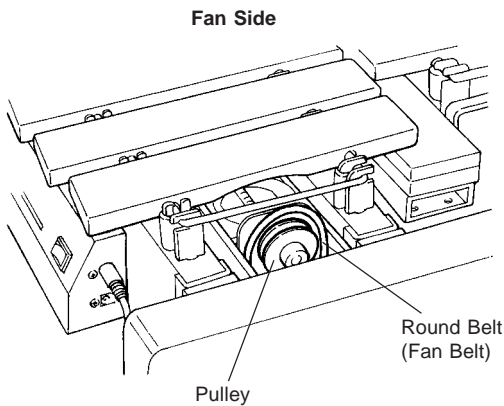
Loosen the center rod fixing bolts to extend the center rod, and insert the center rod into the fitting of the rod connector. Align the groove in the center rod with the tip of the fixing bolt, and then securely tighten the fixing bolt.



- 10 Stand up the vibes, and attach the resonators. (Refer to YV-3910/3710/3700 assembly step 4 on page 12.)
- 11 Mount the driver and the controller, and connect them using the supplied 8P DIN cable. (Refer to YV-3910/3710/3700 assembly steps 6 through 8 on pages 14 and 15.)
- 12 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:

Model	Part No.	Part Name	Specification
YV-2700/2700G	W5 128041	Fan Belt	3ØL275
YV-1600A/520	W5 128070	Fan Belt	3ØL236

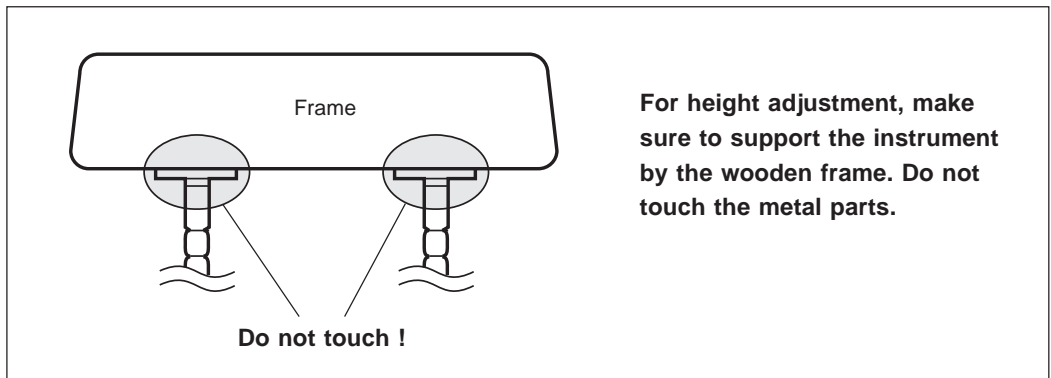
13 Adjust the pedal stroke. (Refer to YV-3910/3710/3700 assembly step 10-1 on page 17.)

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

15 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 8 on page 23.)

**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.**

16 This completes the assembly of the instrument.

To play, connect the supplied AC adapter to the DC 12V IN jack of the controller. (Refer to YV-3700 assembly procedure, "Power Supply", on page 19.)

## ■ SPECIFICATIONS/SCALE RANGE

### ● YV-3910

Range	c–f3, 3-1/2 Octaves
Bars	Aluminum Alloy/Glossy Gold Finish, graduating from 1-1/8" to 2-1/5" wide, 1/2" thick
Pitch	A = 442 Hz
Drive Unit	YVM-300 (Pause-Memory Controller), 25–150 rpm
Dimensions (Length x Width)	164 x 79 cm (64-5/8" x 31-1/8")
Height Adjustment	86–94 cm (33-7/8" x 37")
Oversized Castors	4" high

### ● YV-3710/YV-3700

Range	f–f3, 3 Octaves
Bars	Aluminum Alloy/Glossy Gold Finish, graduating from 1-1/2" to 2-1/4" wide, 1/2" thick
Pitch	A = 442 Hz
Drive Unit	YVM-300 (Pause-Memory Controller), 25–150 rpm
Dimensions (Length x Width)	143 x 82 cm (56-1/4" x 32-1/4")
Height Adjustment	<b>YV-3710:</b> 86–94 cm (33-7/8" x 37") <b>YV-3700:</b> 81–89 cm (31-7/8" x 35")
Weight	<b>YV-3710:</b> 60 kg (132.3 lbs) <b>YV-3700:</b> 58 kg (127.8 lbs)
Oversized Castors	4" high

### ● YV-2700 / YV-2700G

Range	f–f3, 3 Octaves
Bars	Aluminum Alloy, graduating from 1-1/2" to 2-1/4" wide, 1/2" thick
	<b>YV-2700:</b> Silver Satin Finish <b>YV-2700G:</b> Glossy Gold Finish
Pitch	A = 442 Hz
Drive Unit	YVM-200 (Pause Controller), 25–150 rpm
Dimensions (Length x Width)	143 x 82 cm (56-1/4" x 32-1/4")
Height Adjustment	81–89 cm (31-7/8" x 35")
Weight	57 kg (125.6 lbs)
Oversized Castors	4" high

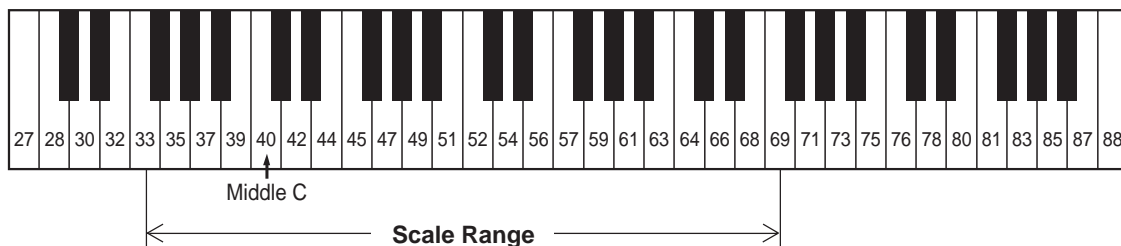
### ● YV-1600A

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), 25–150 rpm
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)

### ● YV-520

Range	f–f3, 3 Octaves
Bars	Aluminum Alloy
Pitch	A = 442 Hz
Drive Unit	YVM-100 (Pause Controller), 25–150 rpm
Dimensions (Length x Width)	106 x 68 cm (41-3/4" x 26-3/4")
Height Adjustment	79–87 cm (31" x 34-1/4")
Weight	31 kg (69 lbs)

## ■ SCALE RANGE



\* Specifications subject to change without notice.



# YAMAHA

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Printed in Japan