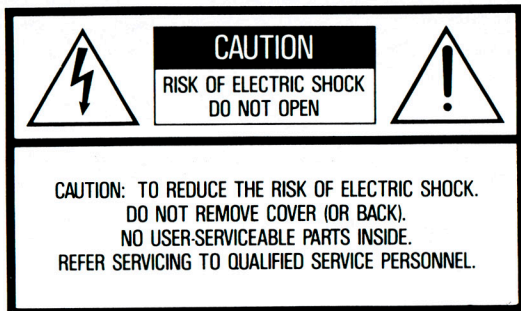


**YAMAHA**

VIBE  
MARIMBA

OWNER'S MANUAL

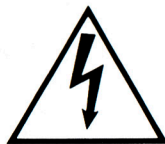
**YV-1600**    **YM-40**



### Explanation of Graphical Symbols

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.



## IMPORTANT SAFETY AND INSTALLATION INSTRUCTIONS

**WARNING**— When using electronic products, basic precautions should always be followed, including the following:

1. Read all Safety and Installation Instructions, Supplemental Marking and Special Message Section data, and any applicable assembly instructions **BEFORE** using this product.
2. This product may be equipped with a plug having three prongs or a polarized line plug (one blade wider than the other). If you are unable to insert the plug into the outlet, contact an electrician to have the obsolete outlet replaced. Do **NOT** defeat the safety purpose of the plug. Yamaha products not having three prong or polarized line plugs incorporate construction methods and designs that do not require line plug polarization.
3. **WARNING** – Do **NOT** place objects on the power cord or place the unit in a position where any one could walk on, trip over, or roll anything over cords of any kind. An improper installation of this type can create the possibility of a fire hazard and/or personal injury.

4. When not in use, always turn your Yamaha Musical Instrument equipment "OFF". The power supply cord should be unplugged from the outlet when the equipment is to be left unused for a long period of time.
5. Environment: Your Yamaha Musical Instrument should be installed away from heat sources such as heat registers and/or other products that produce heat.
6. Ventilation: This product should be installed or positioned in a way that its placement or location does not interfere with proper ventilation.
7. Do NOT use this product near water or in wet environments. For example, near a swimming pool, spa, in the rain or in a wet basement.
8. Care should be taken so that objects do not fall, and liquids are not spilled into the enclosure.
9. To reduce the risk of injury, close supervision is necessary when a product is used near children.
10. Your Yamaha Musical Instrument should be serviced by a qualified service person when:
  - a. The power-supply cord or plug has been damaged; or
  - b. Objects have fallen, or liquid has been spilled into the product; or
  - c. The product has been exposed to rain; or
  - d. The product does not operate, exhibits a marked change in performance; or
  - e. The product has been dropped, or the enclosure of the product has been damaged.
11. Do NOT attempt to service this product beyond that described in the user maintenance section of the owner's manual. All other servicing should be referred to qualified service personnel.

**PLEASE KEEP THIS MANUAL  
FOR FUTURE REFERENCE!**

Thank you for selecting a YAMAHA  
musical instrument. We are confident that  
the instrument will bring you years  
of musical enjoyment and satisfaction.

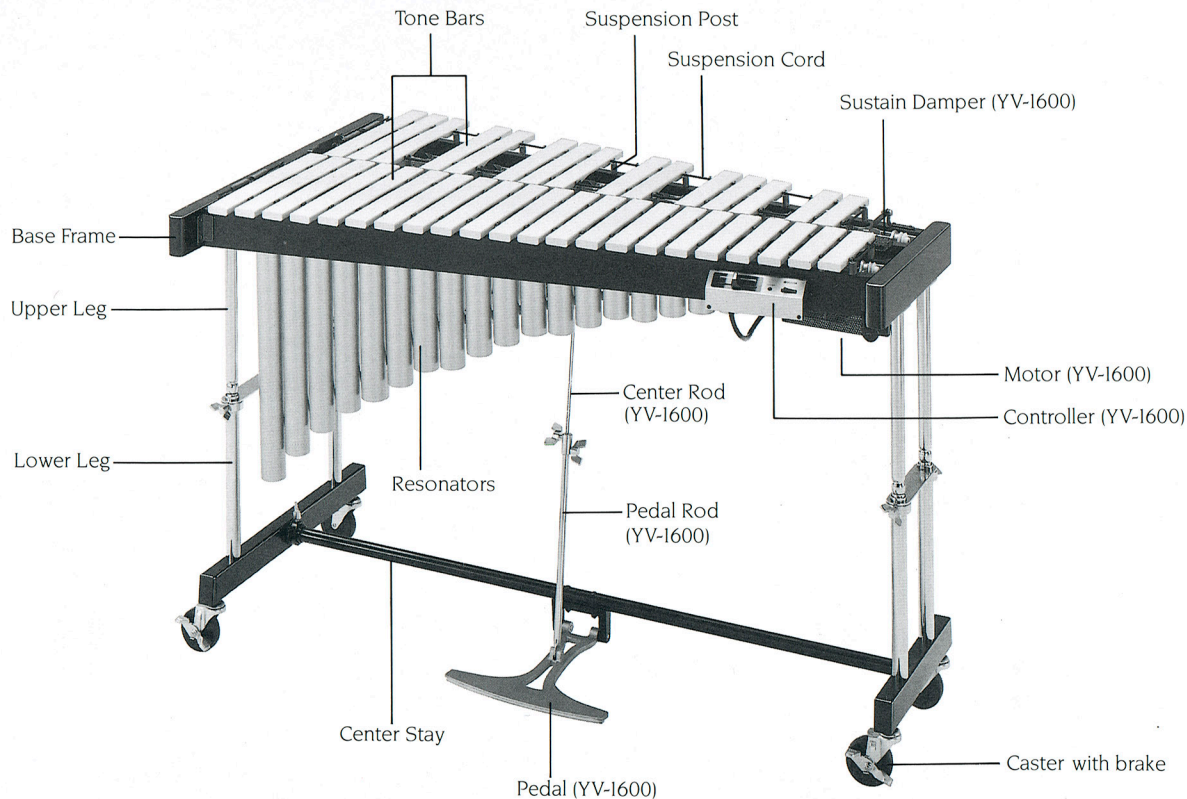
Please read through this booklet carefully. It contains  
important information about your instrument's care.  
Your new YAMAHA instrument, like all YAMAHA musical  
instruments, is the result of careful planning, testing  
and assembly using select materials. Proper care  
will ensure that your YAMAHA instrument will deliver  
its full and rich sound for years to come.



## Contents

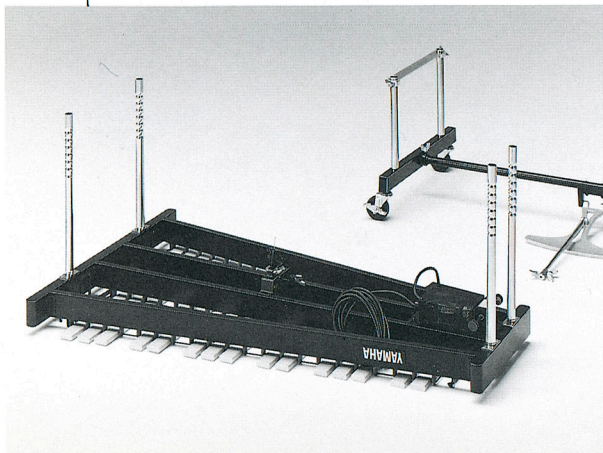
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# NOMENCLATURE



# 1

Place a rug or blanket on the floor to prevent scratching the instrument. Carefully lay the instrument upside down (tone bars facing down) on the covered area. Screw the four upper legs into the base frame. Loosen the wing bolt on the lower leg and connect the center stay. Tighten so that wing bolt is securely in the notch at center stay end. Loosen the four wing bolts at top of lower legs, then with the help of another person, lift lower leg assembly and carefully align with upper legs. Adjust leg height so that bolt is in third notch.

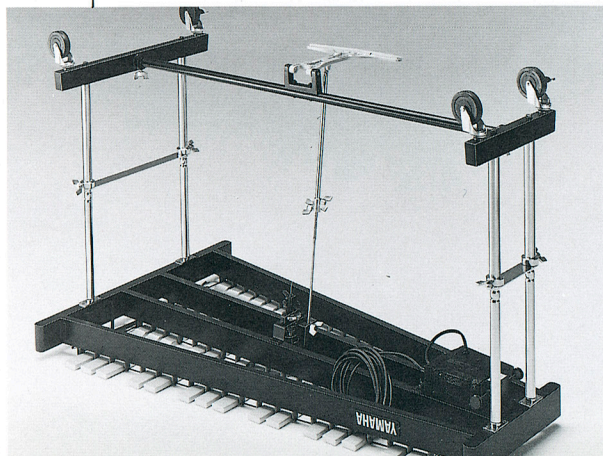


# 2

**YV-1600**

**Loosen the twin wing bolts on pedal rod and insert knurled end of center rod in pedal rod. Loosen wing bolt beside damper response nut (see step 5) and insert notched end of center rod, engaging bolt in notch. Lift pedal up to horizontal (level) position, then tighten twin wing bolts on pedal rod.**

Place the instrument in the proper playing position by lifting from playing side so tone bars remain seated.

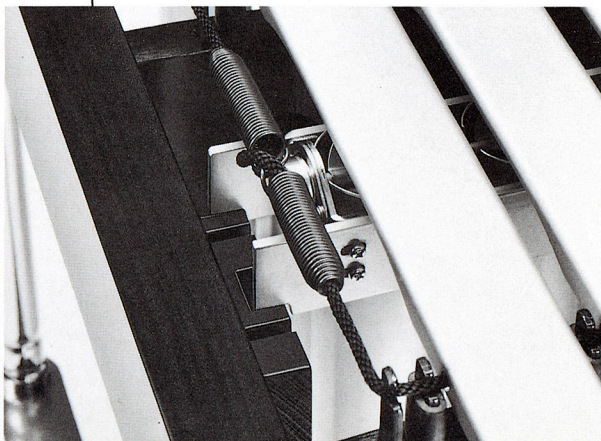


# 3

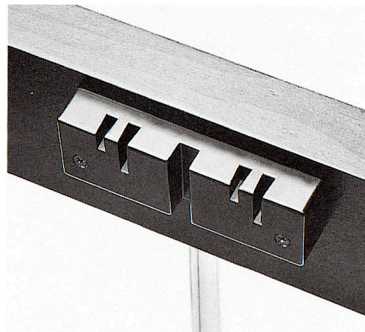
Seat the resonators in the base frame starting at the treble (narrow) end.

**YV-1600** Lift the natural resonator clear of the connecting cord.

Lift the bass end through the center gap and place in the appropriate slots.



**YM-40** Use the shallow slots when the room temperature is above 72°F (22°C); the deeper slots when the temperature is below 72°F.

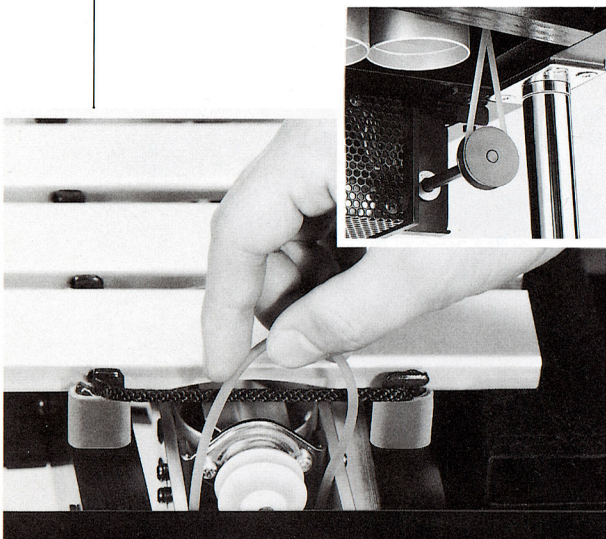




# 4

**YV-1600** Slip the rubber belt over the fan shaft from above, then around the motor pulley making sure there is a quarter turn in belt.

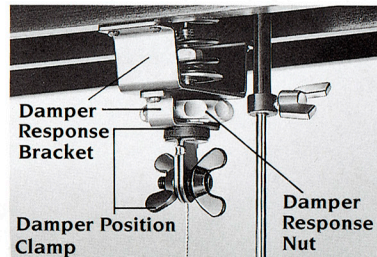
Wipe the top and sides of the instrument with a dry cloth. Check that the suspension cord is correctly supported on each suspension post.



# 5

**YV-1600** Adjust center rod length so pedal is 1-1/5~2" (3~5 cm) from the ground. Adjust sustain damper bar if required. Sustain damper bar is factory adjusted for optimum response. The damper spring tension can be adjusted simply by turning the damper response nut. Use this to alter the response speed and spring strength.

To play with the damper off: step on the pedal, loosen the wing nuts on damper position clamp and lift the clamp level with the damper response nut, then tighten. Should the damper be off, even though the pedal is not depressed, check whether the clamp is touching the damper response bracket.



## HEIGHT ADJUSTMENT

Raise or lower to optimum height by releasing the wing bolts on the leg.

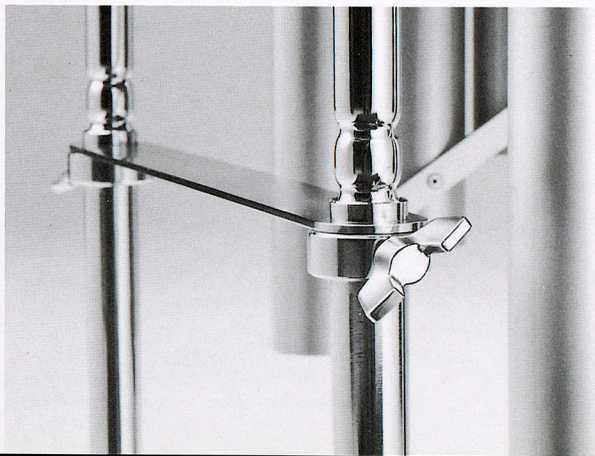
**YV-1600** Remember to loosen twin wing bolts on pedal rod.

With another person, lift up both ends of frame and tighten all wing bolts. Check that bolts are fully in leg notches. Reverse above steps to lower height.

## YV-1600 CONTROL

### • Except Canada

Plug the cord in and switch the controller on. The fan shaft will rotate. Increase the vibrato by sliding the fan speed control right. Reduce vibrato by sliding left. If the fan shaft does not turn normally though the power lamp is lit, check the fan shaft and pulley. An overcurrent protection circuit automatically stops the motor when excessive current is drawn for 20 – 30 seconds. To start motor: first switch the power off, remove the cause of overcurrent, then switch power on. If the power lamp is not lit when the switch is on, check the fuse. Should the motor still not work, see your YAMAHA dealer.





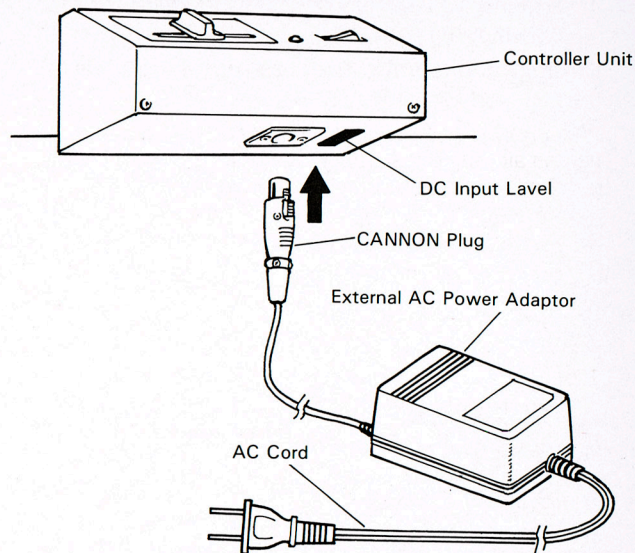
• **Canada Only**

Connect the CANNON Plug of the attached AC power adaptor to the controller unit's DC input.

Plug in the attached external AC power adaptor and turn on the power.

The fan shaft will rotate. Increase the vibrato by sliding the fan speed control right. Reduce vibrato by sliding left.

If the fan shaft does not turn normally though the power lamp is lit, check the fan shaft and pulley. An overcurrent protection circuit automatically stops the motor when excessive current is drawn for 20—30 seconds. To start motor: first switch the power off, remove the cause of overcurrent, then switch power on. Should the motor still not work, see your YAMAHA dealer.



## PRECAUTIONS AND CARE

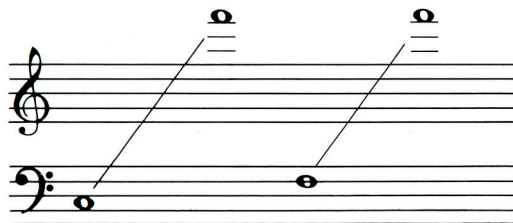
- 1 Do not use extra hard-head mallets or other hard materials to strike the tone bars. This could scratch or dent them.
- 2 If the suspension cords are loose or unseated, resonance will be reduced. Check that the suspension cord is properly seated on each suspension post.
- 3 Avoid placing heavy objects on the tone bars as this may bend or twist the frame and loosen the suspension cords.
- 4 When transporting long distances, disassemble and pack carefully. Disassemble by reversing the assembly procedure.
- 5 Extremes in temperature and humidity will adversely affect the sound quality. Avoid high temperatures or humidity and do not store in direct sunlight.
- 6 Clean the instrument with a soft dry cloth. Do not use cloths dampened with chemical cleaning agents.
- 7 Heed all electrical warning labels on YV-1600.
- 8 Unplug the power cord of YV-1600 when not in use.



# SPECIFICATIONS

Instrument	YM-40	YV-1600
Scale Range	c—f <sub>3</sub> 3-1/2 octaves	f—f <sub>3</sub> 3 octaves
Tone Bar Material	Burmese Padouk	Aluminum Alloy
Tone Bar Size (Width × Thickness)	1-3/5 ~ 2-1/10" × 57/64 ~ 1" 40 ~ 53mm × 22.5 ~ 24.5mm	1-17/32" × 33/64" 39mm × 13mm
Dimensions (Width × Depth × Height)	60-3/5 × 31-1/2" × 32-3/10 ~ 37" 154cm × 80cm × 82 ~ 94cm	48-3/5" × 29-1/10" × 30-7/10 ~ 35-2/5" 123cm × 74cm × 78 ~ 90cm
Weight	86 lb 39 kg	83 lb 38 kg
Pitch	A = 442 Hz	A = 442 Hz
Motor	—	DC Brushless Variable Speed 32 ~ 142 r.p.m. Power Consumption 10W (50/60 Hz AC)

## SCALE RANGE



YM-40


YV-1600

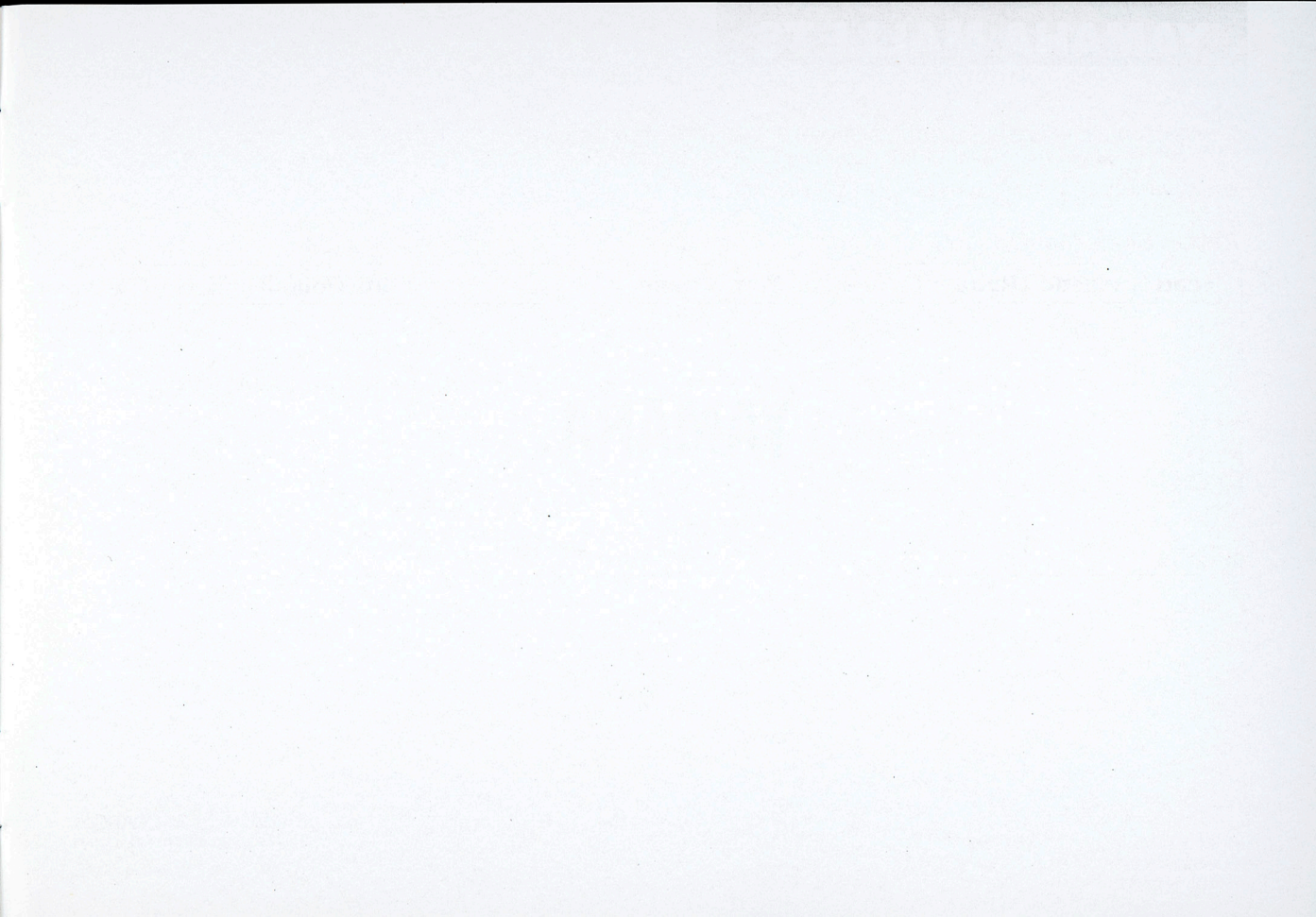
Specifications are subject to change without notice.

# YAMAHA MALLETS

YAMAHA mallets are built to the same exacting standards as your instrument, featuring high-quality rattan or plastic shafts and a variety of heads to meet your playing needs.


## Rattan Shaft Mallets

Head	Plastic	Rubber	Yarn Wound			Cord Wound		Felt
Hard	#1000	#1010	#4000H	#4010		#5010		FH30
		#1020	#4000M	#4020		#5020	JA20	
		#1030	#4000S (Dual tone)	#4030		#5030	JA30 (lazz)	
		#1040		#4040	#6040 #6050	#5040	#7040	
	Soft				#8050			FS10



# YAMAHA

YAMAHA CORPORATION  
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