



Marimba One™

Marimba One 3100™

OWNER'S MANUAL

for
Wood Rails
and
Combination Wood and Aluminum Rails

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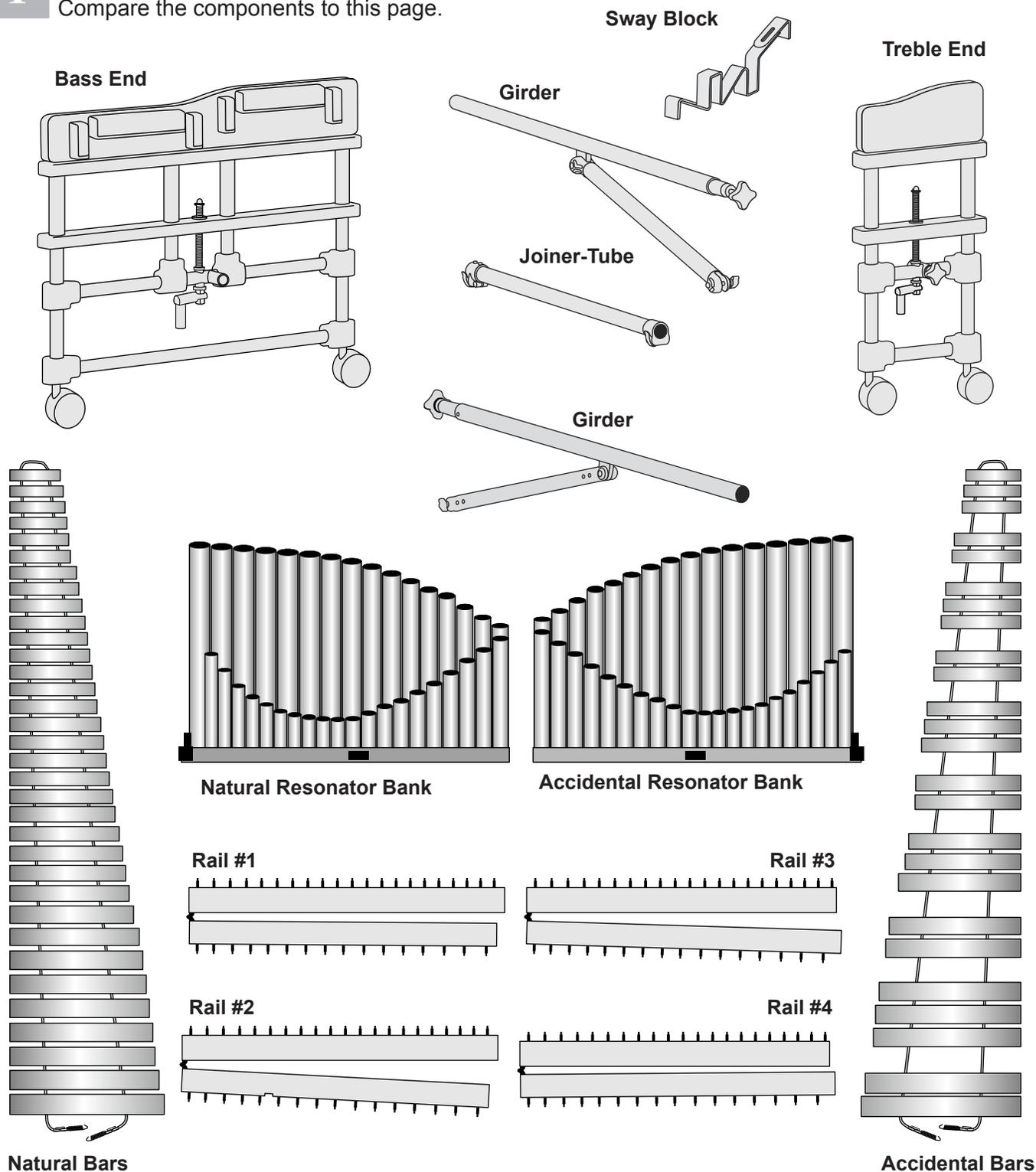
marimba one[®]

ASSEMBLY INSTRUCTIONS & OWNER'S MANUAL

- FOR ASSEMBLY, YOU WILL NEED:**
- A large open space with carpet (or a blanket to cover the floor)
 - An assistant to help assemble the heavy items

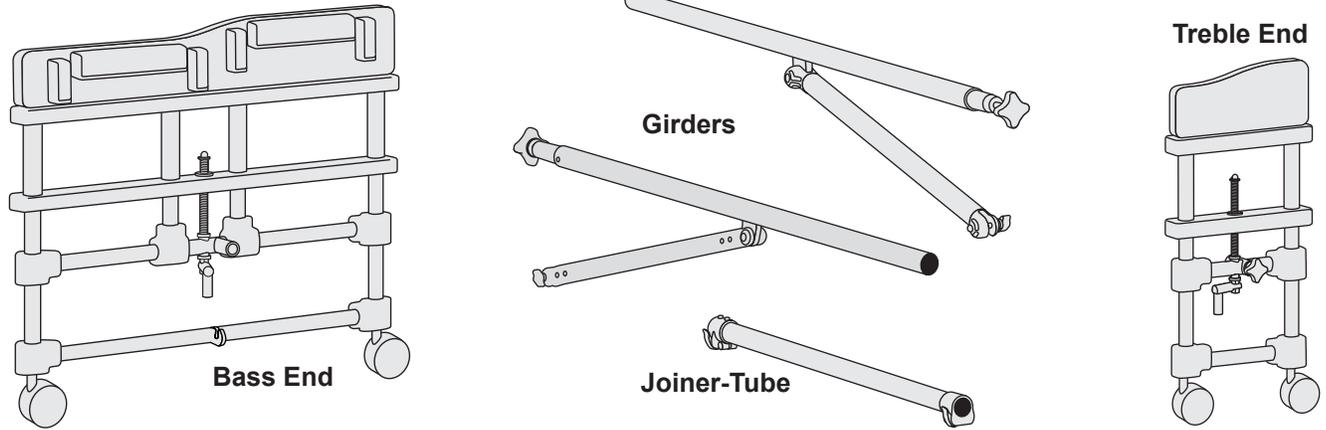
1 CAREFULLY UNPACK YOUR CRATE

Compare the components to this page.

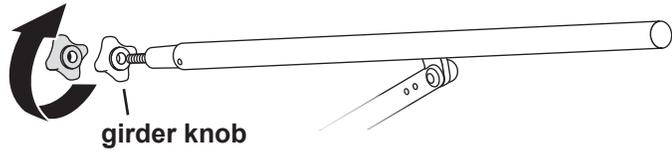


2 ARRANGE FRAME COMPONENTS

In a large open space with carpeting (or a blanket), arrange the frame components.

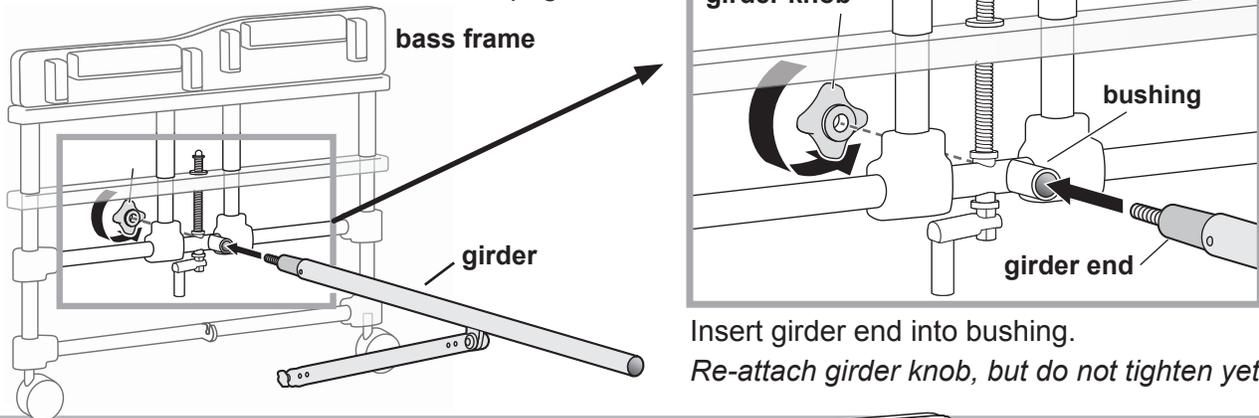


3 REMOVE GIRDER KNOBS



4 ATTACH GIRDER END

Have assistant hold bass frame upright.



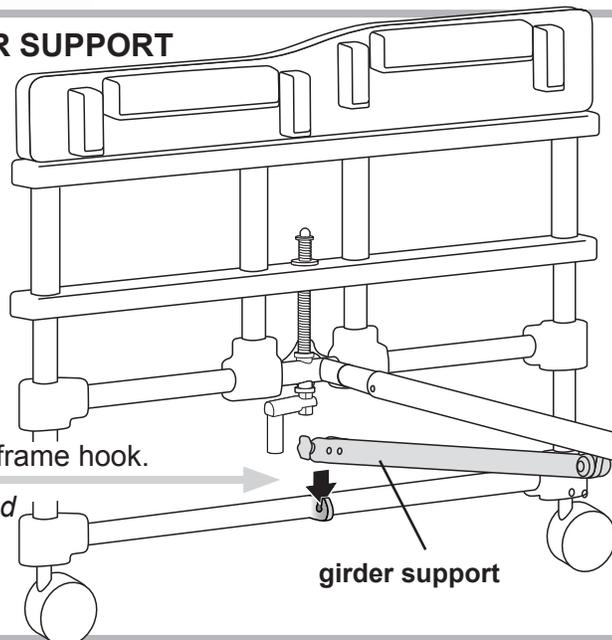
5 CONNECT GIRDER SUPPORT

Loosen support knob.

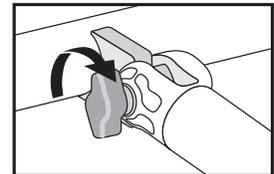


Lower support end onto frame hook.

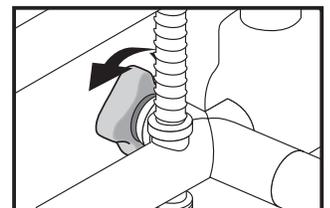
Pressure may be required to fully seat hook.



Tighten support knob.



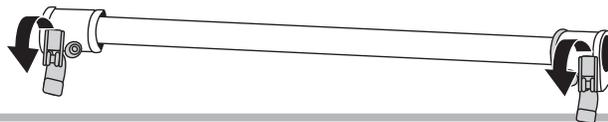
With support knob secure, tighten girder knob.



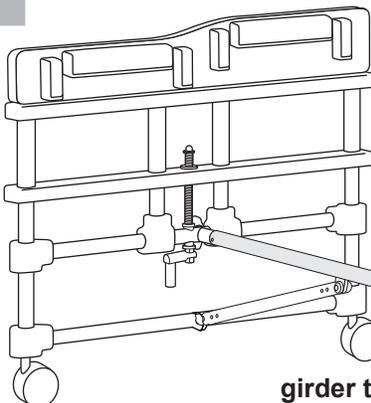
6 REPEAT PROCESS FOR TREBLE FRAME

7 LOOSEN JOINER-TUBE LEVERS

Flip levers to the open position.



8 CONNECT GIRDERS



Slide the joiner-tube over the girder tubes until the joiner-tube can go no further.

girder tube

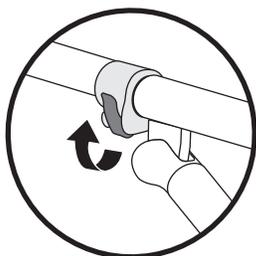
girder tube

girder tube

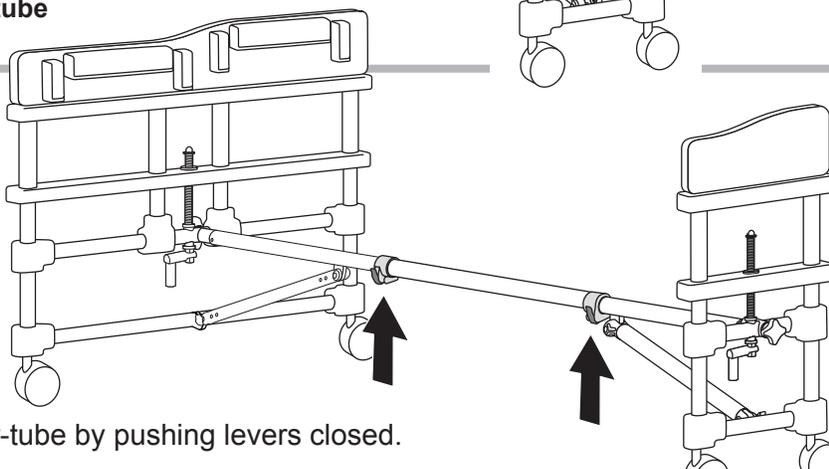
joiner tube

You should be able to hear (or feel) when the two girder tubes touch inside the joiner-tube.

9 SECURE GIRDERS



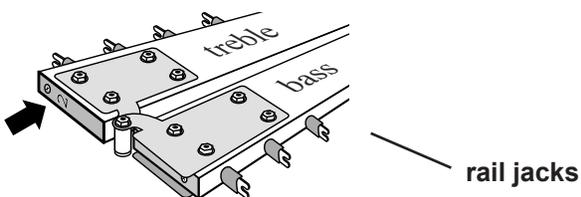
Secure the joiner-tube by pushing levers closed.



Wood Rails

10 IDENTIFY RAIL #2

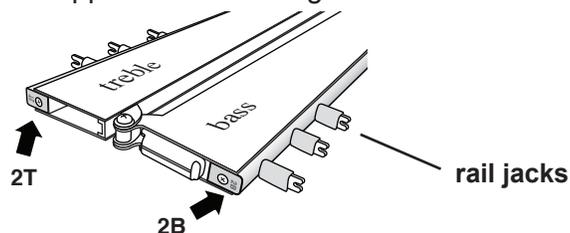
The rails are numbered on the hinge end. When the rails are folded, the number appears in the end-grain of the wood.



Wood and Aluminum Rails

10 IDENTIFY RAIL #2

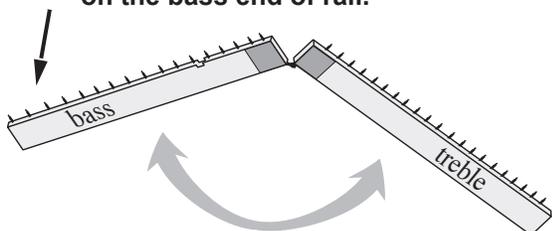
The rails are numbered on the hinge end. When the rails are folded, the number appears in the end-grain of the wood.



11 UNFOLD RAIL

With your assistant, unfold the rail while supporting each end.

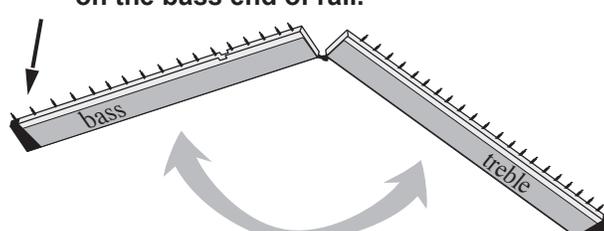
NOTE: Gaps between the rail jacks are larger on the bass end of rail.



11 UNFOLD RAIL

With your assistant, unfold the rail while supporting each end.

NOTE: Gaps between the rail jacks are larger on the bass end of rail.



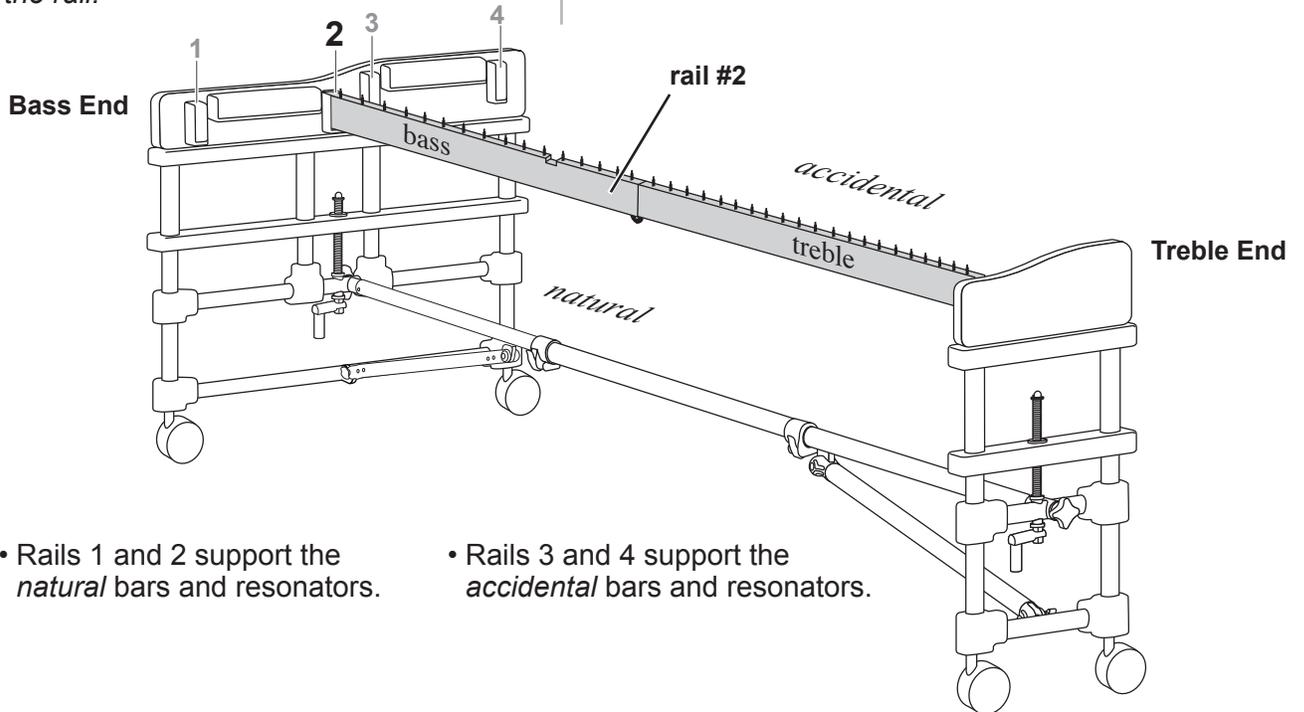
12 INSTALL RAIL #2

Position yourself with the bass end on your left and treble end on your right.

Note that the bass end of the rail has larger gaps between the jacks than the treble end of the rail.

Lower rail #2 into the slots on the frames.

Make sure the rail is fully engaged onto the flexible pins inside the slots.



- Rails 1 and 2 support the *natural* bars and resonators.

- Rails 3 and 4 support the *accidental* bars and resonators.

13 IDENTIFY NATURAL RESONATOR BANK

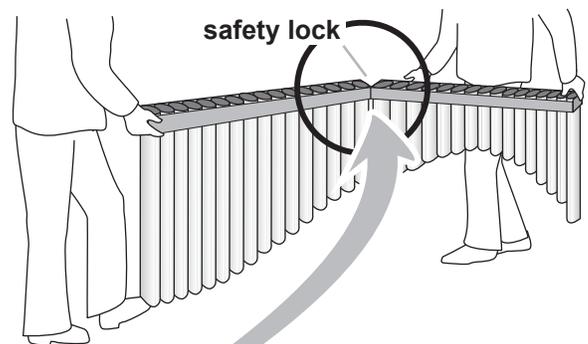
CAUTION:

The resonators are heavy. You will need an assistant to help move the resonators into place.

The natural resonator bank has a plug inside every tube.

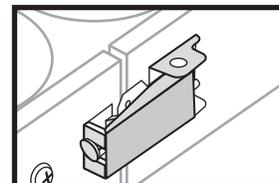
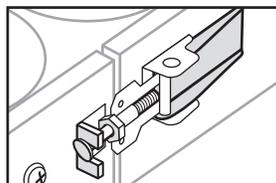
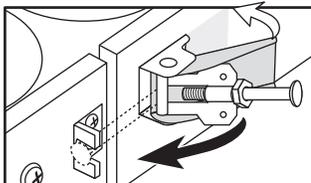
The accidental resonators are missing a plug inside every 3rd or 4th tube.

14 UNFOLD RESONATOR



15 CLOSE SAFETY LOCK

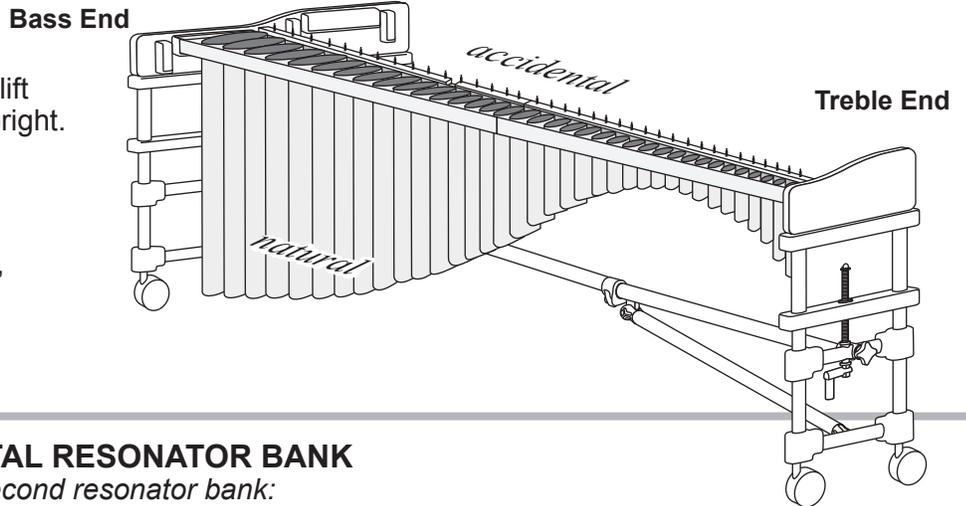
Lock is located at hinge point on resonator bank.



16 INSTALL NATURAL RESONATOR BANK

With your assistant, carefully lift the natural resonator bank upright.

With each person holding the ends of the resonator bank, lower the bank into the frame, in front of the girders.



17 INSTALL ACCIDENTAL RESONATOR BANK

Repeat steps for the second resonator bank:

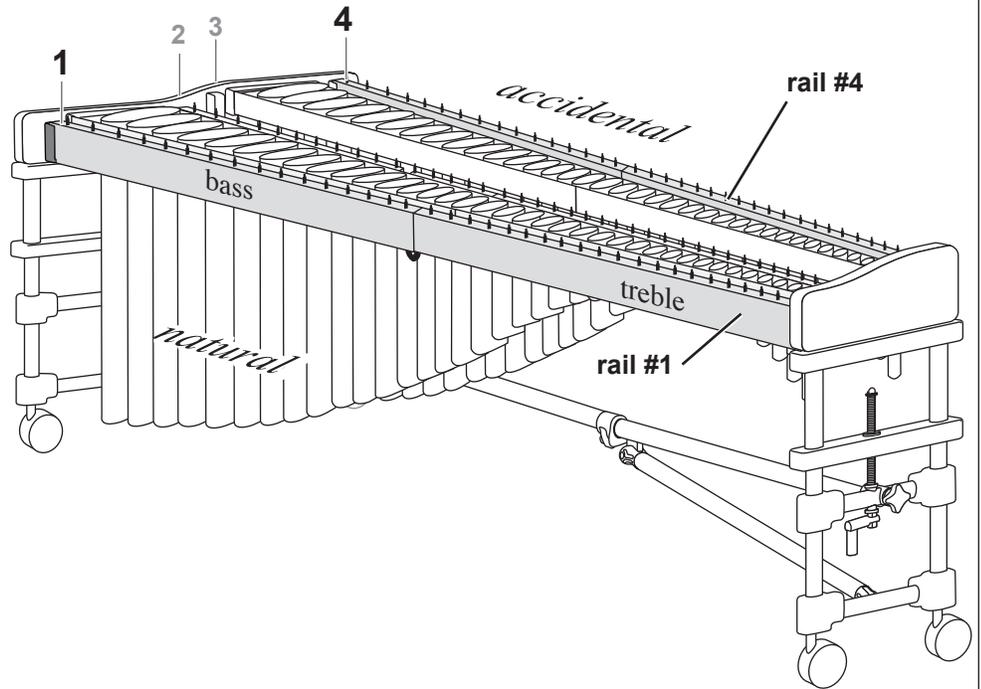
- Each person holds the ends of the resonator bank. Lower the bank onto the frame BEHIND the girders.

18 INSTALL RAILS # 1 AND #4

Lower rail #1 and #4 into the slots on frame.

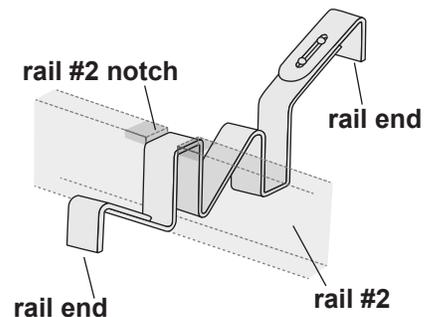
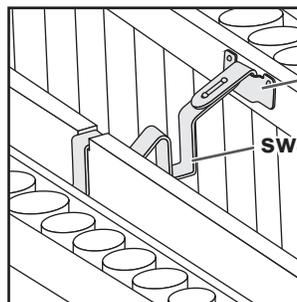
Make sure the rails are fully engaged onto the flexible pins inside the slots.

NOTE: Bass end of the rail has larger gaps between the jacks than the treble end of the rail.



19 INSTALL SWAY BLOCK

Slide ends of sway block into brackets on resonator banks and over the notch on rail #2.

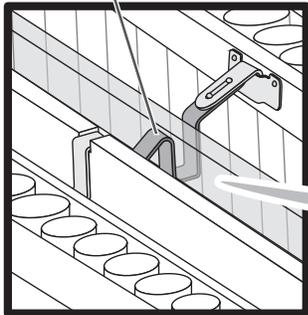


20

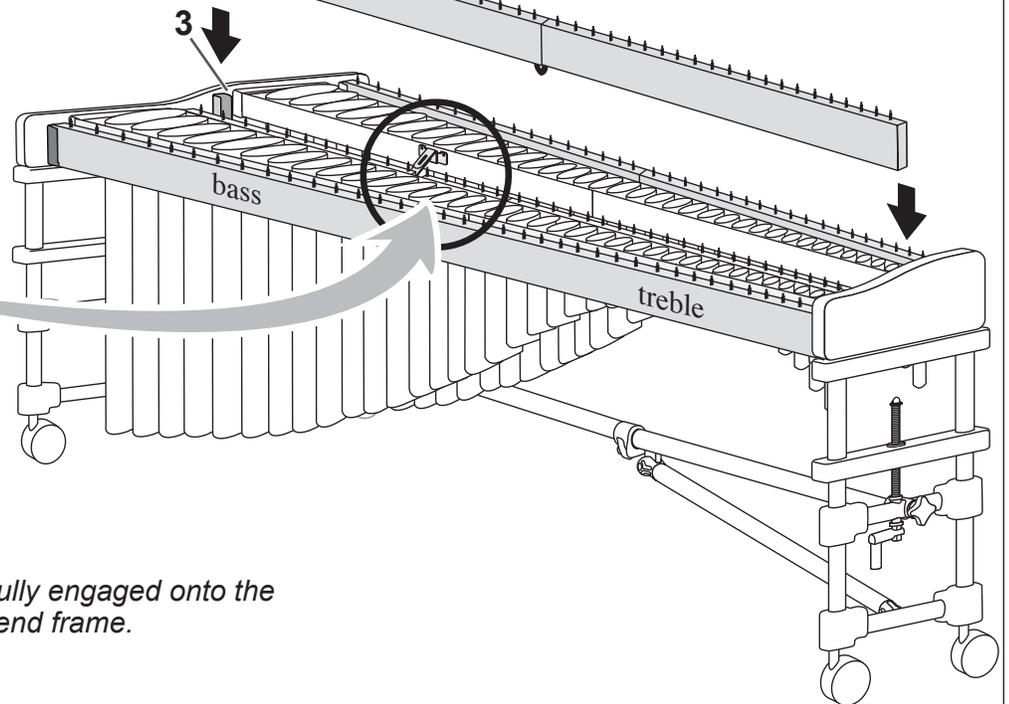
INSTALL RAIL #3

Lower rail into the #3 slots on the frame ends and into the sway block slot.

sway block slot



NOTE: Bass end of the rail has larger gaps between the jacks than the treble end of the rail..



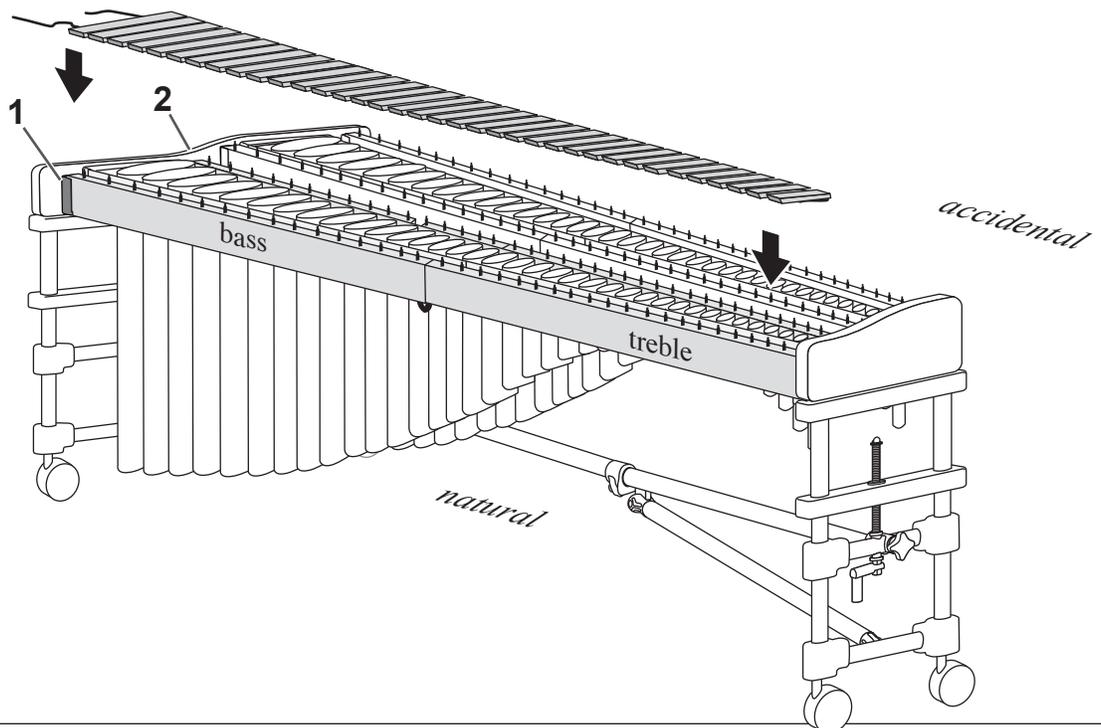
Be sure the rail is fully engaged onto the flexible pins in the end frame.

21

INSTALL NATURAL BARS

Carefully unroll heaviest bar bundle.

With your assistant at one end and you at the other, lift the natural bars and lay them over rails #1 and #2.

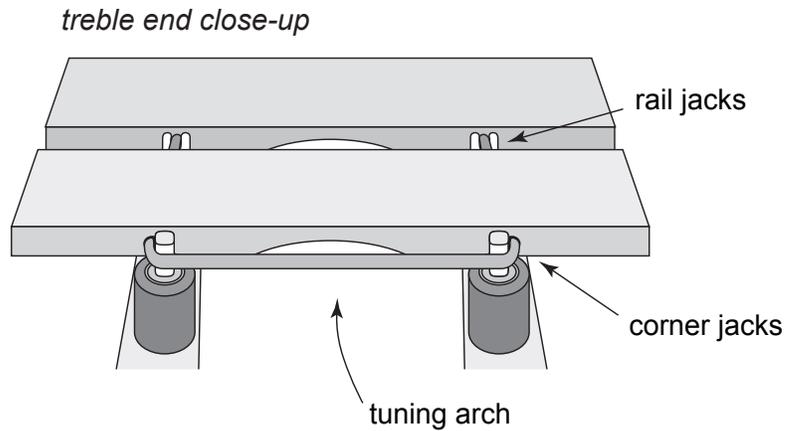


22

POSITION BARS ON RAILS

Move each bar into its correct position, making sure that the cord rests in the Jacks between each bar.

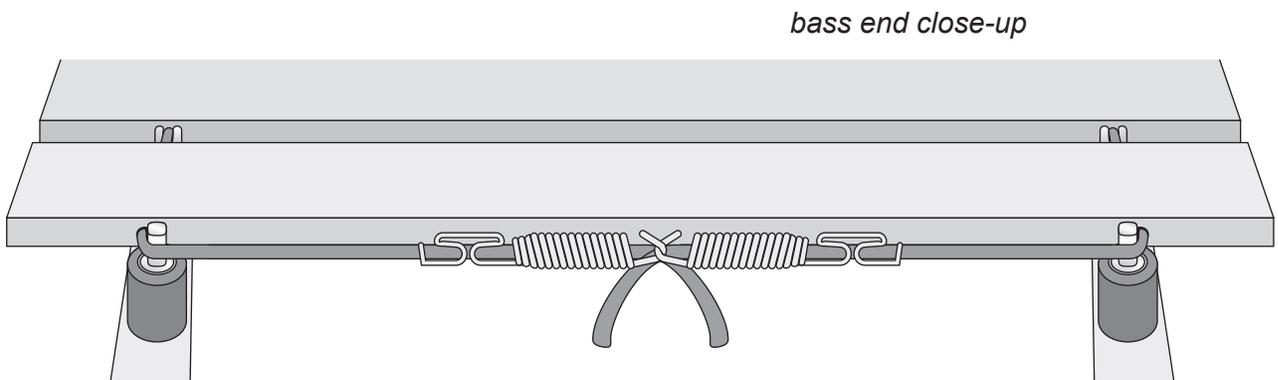
Wrap the bar cord around the Corner jacks at the treble end.



23

SECURE BARS TO RAIL

Once all the bars are in place, from the bass end pull the cord taught (pulling evenly on each end of the cord at the same time), loop the cord around the corner jacks and hook the springs together.



24

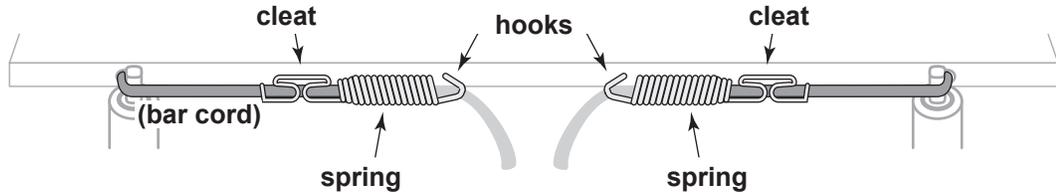
FOLLOW SAME PROCEDURE FOR ACCIDENTAL BARS

The bars go over every resonator that is plugged.
When you look from the top you can see the floor through the resonators without bars over them.

bar cord tension

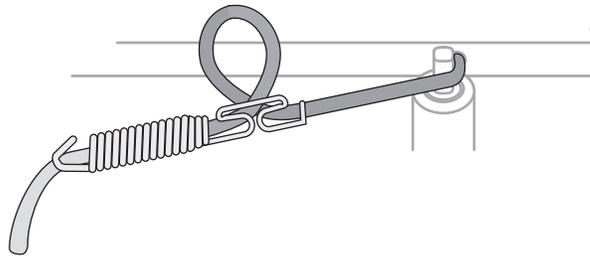
Over time, as you play your instrument, the cord that suspends the bars may loosen and need to be adjusted. To increase tension in the bar cord, use the cleats behind the springs to hold the slack in the cord.

1 UNHOOK SPRINGS



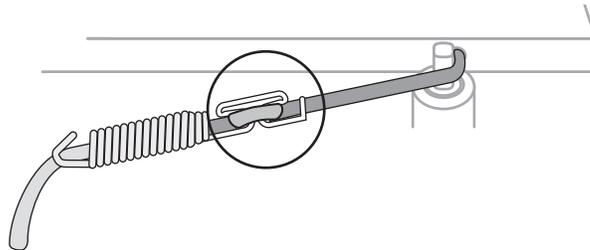
2 FORM LOOP IN CORD

At cleat, pull cord to make enough slack to form a loop.



2 SLIP LOOP OVER CLEAT

Slip the loop down around the cleat. Pull the cord taut.

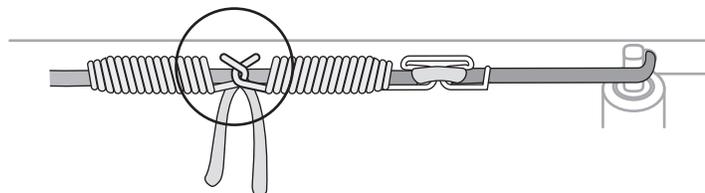


4 RE-HOOK SPRINGS

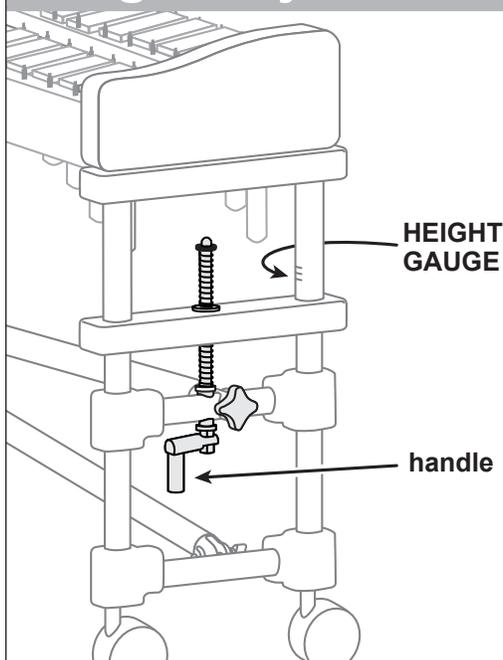
NOTE:

In time, the cord may become loose again.

Do not exceed a maximum of THREE loops around each cleat.



height adjustment warnings



CAUTION!

To prevent damage, always adjust the height of the marimba with all rails, resonators and bars INSTALLED.

- Locate the height gauges on the inside of each end-frame (audience side).
- Use these gauges to ensure that both end frames are always at the same height.
- Raise or lower the marimba by turning the handles, one at each end.

marimba cleaning

USE A SOFT COTTON RAG OR TOWEL DAMPENED WITH WATER ONLY.

DO NOT USE FURNITURE POLISH on your marimba!

Most of this type of product contains silicone, which will damage the finish and contaminate the wood.

moving the marimba

THE MARIMBA SHOULD ONLY BE LIFTED BY THE END FRAMES.

- Lifting by the rails will cause the rails to come out of their slots.
- When the marimba is moved, pass **VERY SLOWLY** through doorways, over doorjamb, electrical cords, and uneven surfaces.

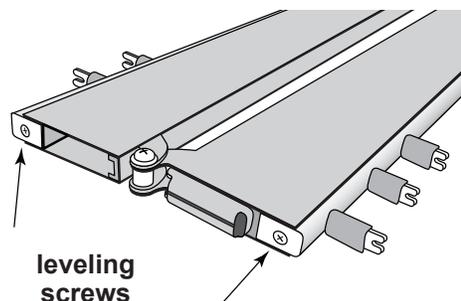
sagging bars

With time, the natural or accidental bars may sag over the length of the marimba.

CAREFULLY REMOVE THE BARS THAT ARE SAGGING.

- Lift out the rail that is no longer level and fold the rail to expose the stainless steel leveling screws.
- Turn **ONE** of the screws about an eighth of a turn from its present location.

Replace the rail and check it again. Reposition the bars as before.





Marimba One

BAR CHART

BASS END

Do you need a bar replaced? Please contact us to schedule the replacement and refer to the bars as shown on this bar chart and include your serial number in your correspondence.

Keep your old bars until you receive new ones from us. That way, you're never without a bar on your marimba.

Remember: your bars are under warranty for the first year and we'll replace them at no cost (shipping not included). Beyond the first year, contact us for bar replacement pricing.

Shipping Address

Marimba One
901 "O" St
Suite D
Arcata CA 95521

Email

percussion@marimbaone.com

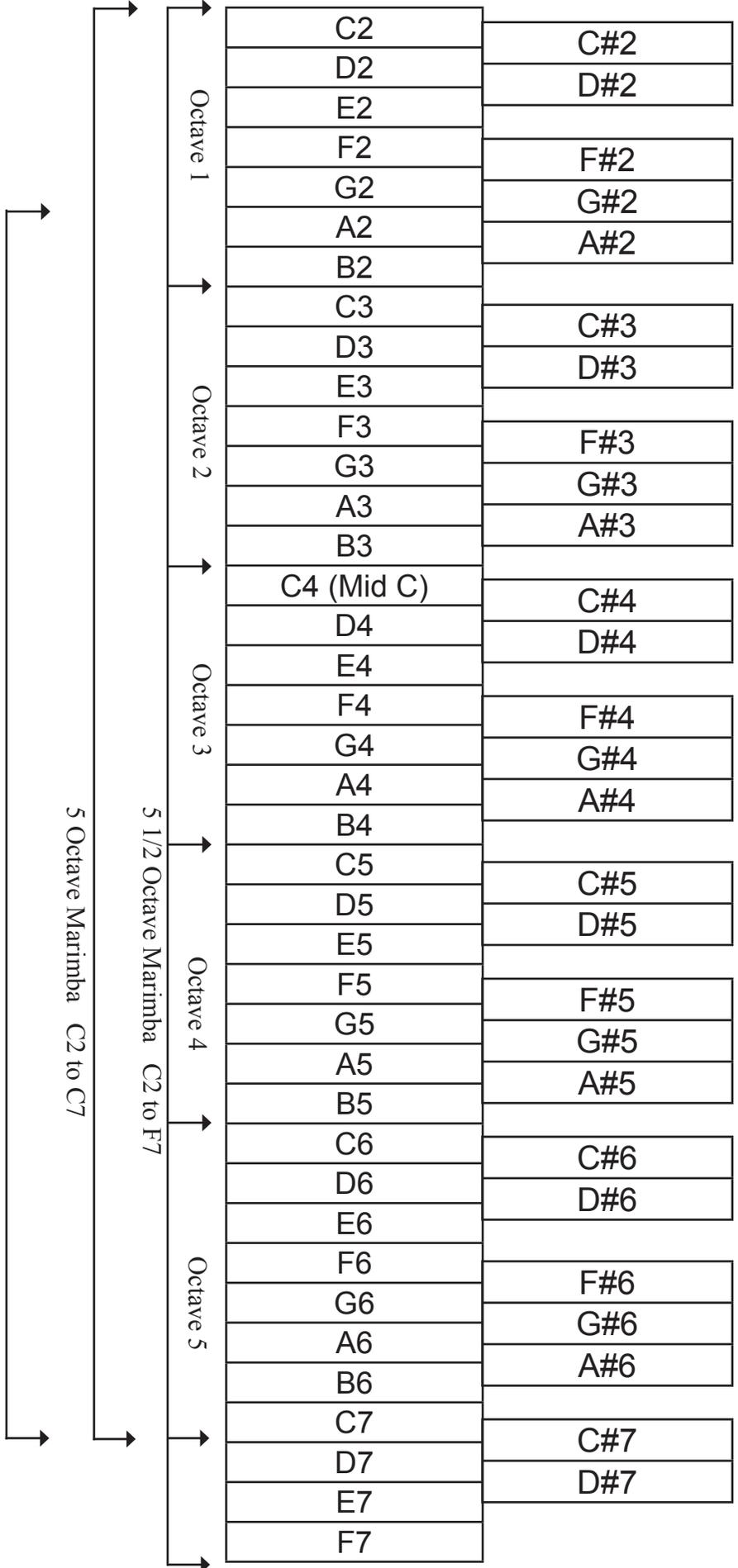
Telephone

707.822.9570

4 1/3 Octave Marimba A2 to C7

5 Octave Marimba C2 to C7

5 1/2 Octave Marimba C2 to F7



TREBLE END