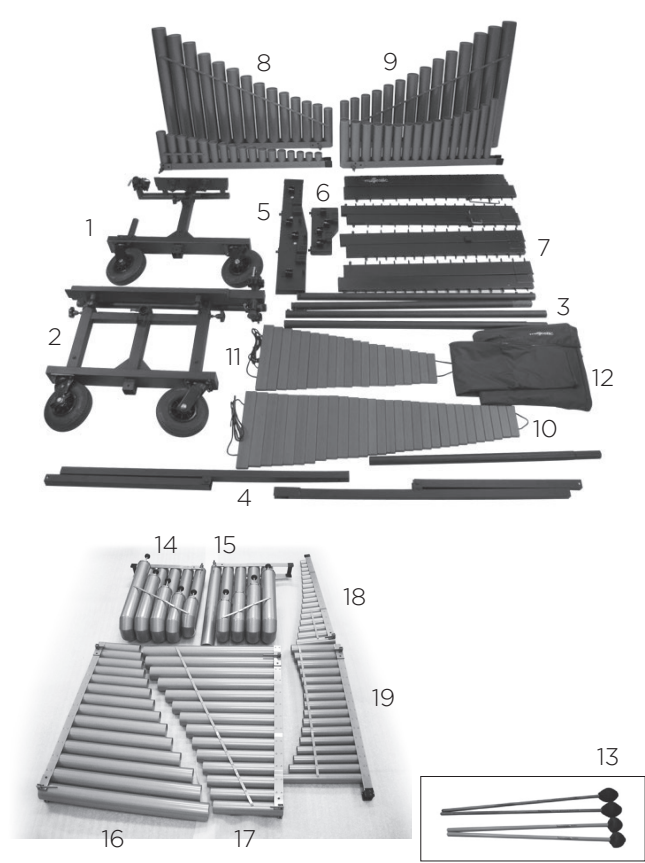


ASSEMBLY INSTRUCTION



4.3 & 5.0 OCTAVES
QUANTUM
MARIMBA

I. Components P1



P2

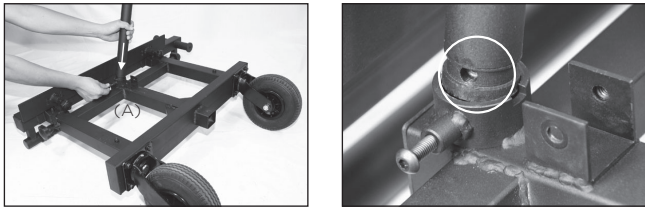
Item Parts Description	
1	Leg Assembly - Bass End x 1
2	Leg Assembly - Treble End x 1
3	Center Cross Bar x 1
4	Leg support x 2
5	Side Frame - Bass End x 1
6	Side Frame - Treble End x 1
7	Rails (no.1- no.4) x 4
8	Resonator- Naturals for 4.3 Oct Model x 2
9	Resonator- Accidentals for 4.3 Oct Model x 2
10	Tone Bars-Naturals x 1
11	Tone Bars-Accidentals x 1
12	Protective Cover x 1
13	Mallets x 1

Resonator For 5.0 Oct Model

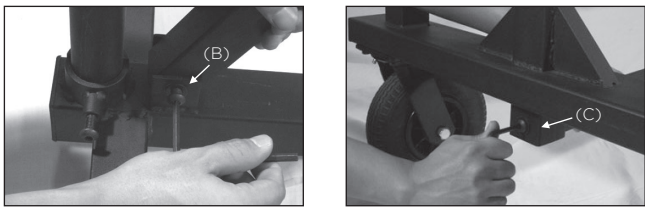
14	Resonator-Naturals Bass-section x 1
15	Resonator-Accidentals Bass-section x 1
16	Resonator-Naturals Mid-section x 1
17	Resonator-Accidentals Mid-section x 1
18	Resonator-Naturals Treble-section x 1
19	Resonator-Accidentals Treble-section x 1

II. Build the frame P3

● **Assembly side leg**
With Bass End Leg Assembly lying flat on the ground, place the Center Cross Bar in to position (A). Align hole, insert screw through hole and tighten with the Allen key provided.



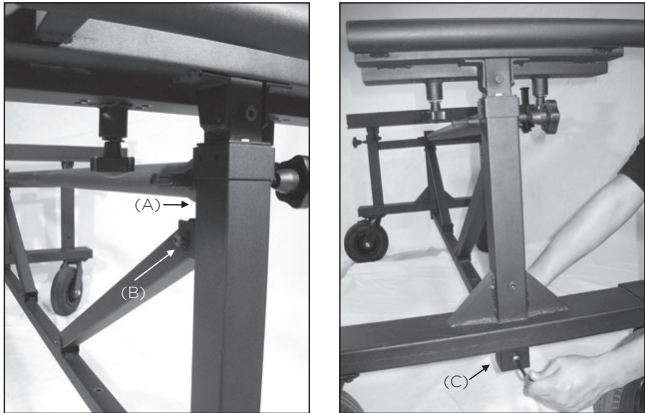
Place the Frame Bottom Cross Bar w/ Support in Leg Assembly by connecting to support bar in position (B), and insert the Cross Bar in position (C). Align hole, insert screw through hole and tighten with the Allen key provided.



P4

Set the Bass End Leg Assembly upright, cross bars are horizontal to ground, repeat the process on Treble End Leg Assembly.

⚠ **Engage brakes before setting Leg Assembly in upright position. This will provide stability and traction. Wheels should be positioned with brakes facing playing side.**



P5

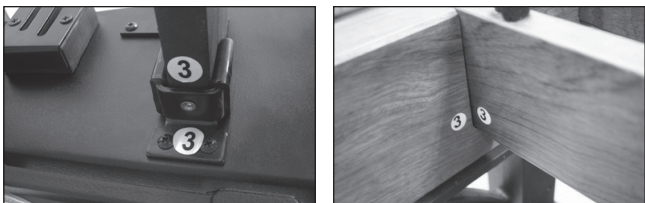
● **Assemble side frames**
Standing in the playing position with the wheel with break facing you, set the bass end side frame on top of the leg assembly. Match the holes with the knob screws, then tighten with moderate pressure. Repeat this process at treble end.

⚠ **Treble End (small end) is to your right, Bass End (Large End) is to your left.**



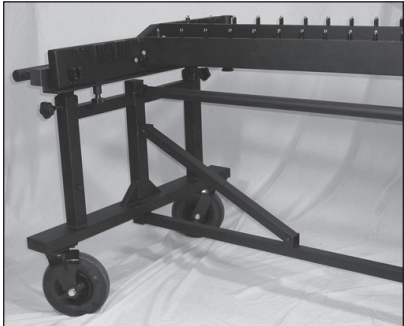
P6

● **Assembly rails**
Using labels on rails and frame end brackets as guide, attached rails to corresponding position on the side frame. Numbering are labeled on bass end of rails and side frame.
Please begin assembly rails with sequence of no.3 → no.2 → no.1 → no.4.



For 4.3 Oct Model

For 5.0 Oct Model



III. Set up Resonators

P7

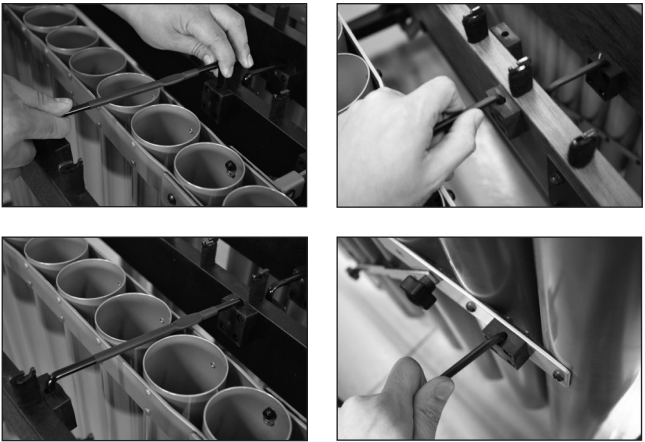
● **Attach resonators**
Resonators are setup under the frame. Pick up one resonator, make sure suspension arms is at open position; attach resonator set by seating arms firmly into notches on side frame & rails.



For 4.3 Oct Model For 5.0 Oct Model

P8

● **Connect stabilizer bracket**
For better resonator stability, you can find stabilizer arms locate on the rail side. Pull up the arms, swing over resonator top and insert to corresponding rubber notch. Press down to complete the assembly.




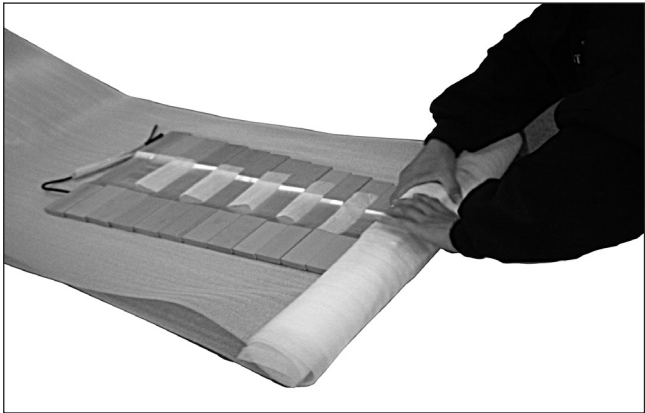
For 4.3 Oct Model For 5.0 Oct Model

IV. Place Toner bars

P9

● **Unroll the bars**
Carefully unroll the tone bars on the flat floor, flip the bars over so that the playing side faces up (arch side faces down). Keep out the springs and sharp object away from tone bar. Prevent scratch or damages to bar surface.

 *Use soft wrapping to protect bars, do not scratch.*




P10

● **Position tone bars**
Place the Natural note bars on top of the lower rails (close to player side). Position each tone bar in between bar posts, begin from treble end, working progressively down towards bass end.

Repeat above process with accidentals (refer to C chromatic scale), placing tone bars over capped resonators only. Open resonators should have no bar.

● **Fasten Cord & spring**
Once tone bars are in place, pull excess bar cord through bass end, bring bar cord around end posts and hook the springs together.


 *The springs has a small tension after they are booked. You can adjust knot on the cord to get different tensions after springs are connected.*



V. Other adjustments

P11

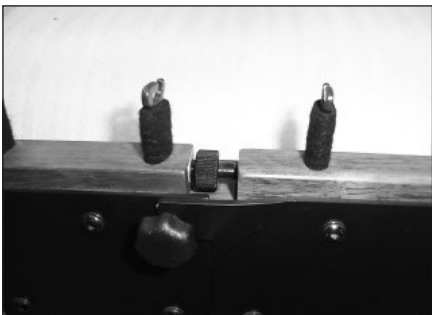
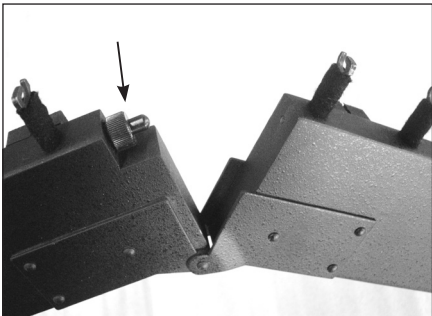
● **Instrument height**
Hold frame end with one hand, using the other hand to loosen the knob to raise or lower the keyboard height as needed. Tighten the knob after adjustment.

 *Adjust one end at a time, using scale guide to level instrument. Do not exceed 2" increments at a time.*



P12

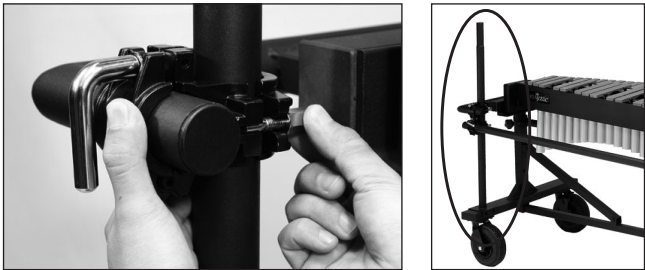
● **Tone bar leveling**
Due to the resonator weight, the rail might sag in the middle after resonators are attached. This can be corrected by extension screw length located inside hinged center.



VI. Other parts

P13

● **Front speaker post**
Working from the audience side of instrument, place speaker post on the wheel deck located on treble end leg assembly. Attach the speaker post to frame with T-Clamp (AQ11/RU8Q).



● **Front accessory bar**
Working from the audience side of instrument, use T-Clamps to attach front accessory bar to the speaker post at the treble end, and directly onto the leg assembly at the bass end. (as shown on the photo)



VI. Finished View

P14



M1543P



M1550P