ASSEMBLY INSTRUCTION



CONCERT / QUANTUM
CHIMES

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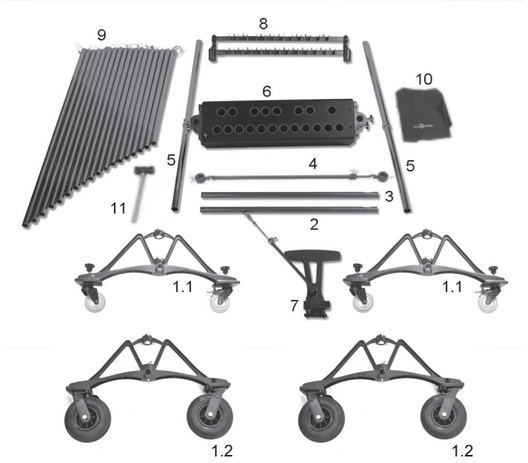
202212
PC6618-X81N

Components P1



Component list P2

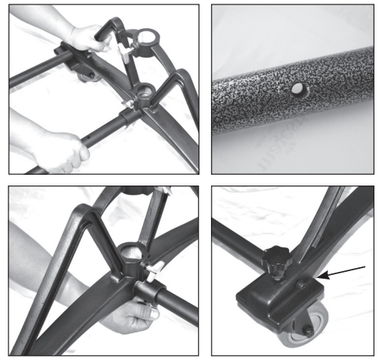
Item	Parts Description
1.1	Leg Assembly 4" Wheel *2
1.2	Leg Assembly 8" Wheel *2 (Quantum model)
2	Pedal Cross Bar *1
3	Front Cross Bar *1
4	Diagonal Cross bar Support *1
5	Vertical frame Post *2
6	Damper Box *1
7	Pedal Assembly (incl. Pull Rod) *1
8	Hanger Assembly *1
9	Chime Tubes (packed in 2 boxes) *1
10	Chime Cover *1
11	Chime Mallet *2

Frame Assembly – Legs P3

Position Pedal Crossbar with Pedal connection holes oriented vertically and on the right side. Insert into Leg Assembly (R).

Insert Front Crossbar into Leg Assembly on the audience side. Complete the base frame with Leg Assembly (L). Tighten wing bolts to secure the Crossbar in the middle. Use hex key to tighten hex screw on the side.

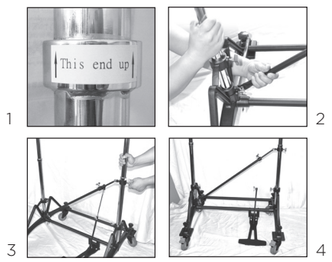
⚠ *Casters with brakes should face the player's side. Lock both brakes for stability during set-up. Threaded hole in the crossbar should be oriented vertically before insertion into the leg assembly.*



Frame Assembly – Uprights P4

The diagonal cross brace needs to be installed simultaneously as the frame tubes are inserted vertically into receivers of leg assemblies. The welds on the damper box retaining rings are on the underside and the labels should be facing up as shown in the first picture below. There should be more tube above retaining ring than below.

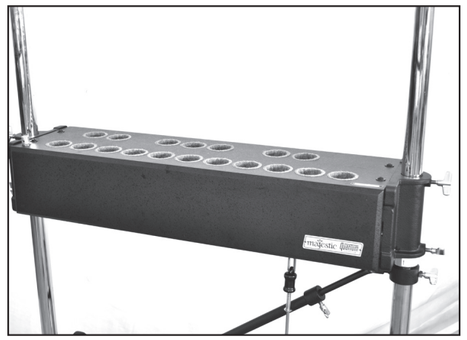
From the player's side of the instrument, position the diagonal cross brace (see pic. 2) above the upright receiver just over the wheel deck of the left leg assembly, then insert the left frame tube upright through the upper brace support ring, then through the collar in the diagonal brace and finally into the receiver on the wheel deck between the casters. For the right frame tube, insert through the diagonal brace collar first, then into the leg assembly (see pic. 3). Do not tighten wing bolts at this time.



Damper Box Assembly P5

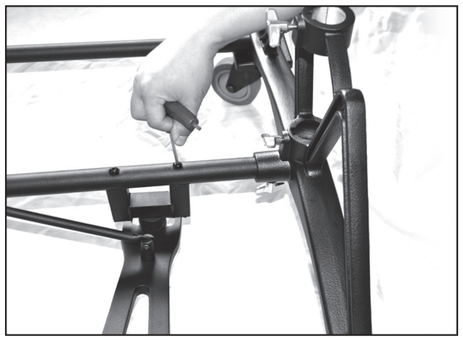
Slide damper box over frame tube uprights with protruding eyelet facing down. Keep damper box level when sliding into position (resting on retaining rings) to help it descend smoothly. Do not tighten wing bolts at this time.

⚠ *Natural tube holes on damper box (where there are no gaps) should be on player side.*



Damper Pedal Assembly P6

Attach pedal assembly to pedal crossbar using provided bolts. Do not over tighten.

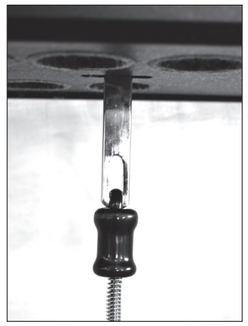


Connecting Pull Rod P7

Working from player side of instrument, pull spring tensioned lock knob downward (pic. 1) to place hook into eyelet on underside of damper box, then release knob to secure hook (pic. 2).



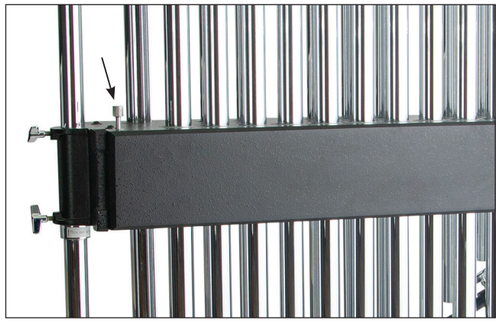
1



2

Lock Damper in Open Position P8

Adjust pedal to appropriate height for damper box function using the telescopic adjustment in the middle of the pull rod. Once this is achieved, depress the pedal and press the damper lock knob on the top left of the damper box down. Release the pedal while continuing to hold the knob. The knob should now remain in the down position and the damper box is locked open. Once the tubes are installed and the instrument has been leveled, you can simply depress the pedal again and the knob will release automatically. (After step 11 / P11.)

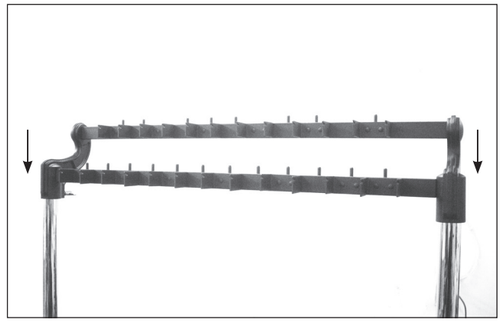


Chime Hanger Assembly P9

Place the hanger bracket over the top of the frame tube uprights on both sides. Tighten the knob screws on the hanger assembly once bracket is in position. The wing bolts on the damper box, frame assembly and diagonal brace may now all be tightened as well.

⚠ *Caution! Do not over-tighten*

⚠ *Natural tube brackets (on lower crossbar) should be on player side.*



Chime Tube Installation P10

Chime tubes are packed in two boxes in descending chromatic order, as shown below (pic. 1): Starting at right (from player side of instrument), carefully install chime tubes (from shortest to longest) in order they come out of packaging. You will be moving between front and back rows directly as they occur from right to left, in descending chromatic order. To install each tube, insert the bottom portion of the tube through its holes in the damper box, and then position the cap on the top of the tube between the corresponding bracket arms on the hanger assembly. Be very careful to avoid scratching the tube on the hanger bracket or the suspension cable and crimp. Hang the tube as illustrated below (pic. 2).

⚠ *Handle each Tube with care. Surface scratching can compromise the durability of the tube finish.*

Note	Diameter	BOX1	BOX2
18	1-1/4"	A5-F6	C5-G#5
18	1-1/2"	A5-F6	C5-G#5
22	1-1/2"	G5-G6	A#4-F#5



1



2

Instrument Leveling P11

Adjust the height of each wheel to level the instrument so that the chime tubes are suspended freely within the holes in the damper box. To reposition the wheel, loosen the hex nut, then turn the hand knob to adjust the height. Tighten hex nut to lock in position after adjustment. (Concert model Only) At this time, depress the damper pedal to release the damper lock knob.





Finished View P12



Concert Model

Finished View P13



Quantum Model

Note P14