



## Model MPS-1203 Portable Beam Scale

### Assembly Instructions

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1. Remove all of the parts from the shipping container. Check the packing materials for any loose parts or hardware before disposing of the shipping container.
2. Insert the bottom of the **platform fence** into the two holes at the front of the **platform** and secure with washers and hex head nuts. Tighten firmly.
3. Place the **platform** onto the **base frame**.
4. The **base frame** and its understructure are supplied fully assembled, with the levers in their proper positions.
5. Install the **wheels** :
  - 5.1 Place a washer on each axle.
  - 5.2 Place a **wheel** on each of the axles with the long side of the hub toward the **base frame**. (the hub on one side of each **wheel** is longer than the other.)
  - 5.3 Place a second washer on each axle.
  - 5.4 Insert a cotter pin in each of the holes in the axle ends to secure each **wheel** assembly. Bend end of pin over to secure.
6. Thread the two (2) **column rods** into the holes provided in the **base frame**. The end of the rods with the longer threads should be turned into the **base frame** about 1/2 inch.
7. Place the metal **column** down over the **column rods** with the cut-outs at the top and oriented right and left.
8. Lower the **beam load rod** into the metal **column** and insert the larger hook onto the long lever pivot located in the **base frame**.
9. While holding the **beam load rod** in place, attach the **beam assembly** by inserting the hook of the **beam load rod** into the lower link of the **beam assembly**. The beam should be orientated so that it extends out to the right and reading left to right.
10. While holding the **beam assembly**, lower the **weight rack** down over the **column rods** and hook it into the upper link of the **beam assembly**. The weight hanger rests on top of the metal **column**.
11. Place the **beam cap** down over the **column rods** and secure it with two (2) washers and two (2) **hex head nuts**.
12. Slide the **beam lock assembly** over the right hand end of the beam and line it up with the hole in the top of the beam cap. Secure it in place with one (1) hex head bolt. **Note:** the handle on the **beam lock assembly** should be toward the **platform**.

13. Hang the **counter weight holder** onto the **beam**.
14. Set the poise at zero on the **beam**.
15. Adjust the balance weight on the **beam assembly** with a standard screwdriver to get the beam centered in the locking assembly opening.
16. Place the loose **counter weights** on the **weight rack**
17. The scale is now assembled.

### **Parts List**

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<b>1 - Platform</b>	<b>1 - Base Frame</b>
<b>4 - Wheels</b>	<b>1 - Beam Load Rod</b>
<b>2 - Column Rods</b>	<b>1 - Metal Column</b>
<b>1 - Platform Fence</b>	<b>1 - Counter Weight Holder</b>
<b>4 - Hex Head Nuts</b>	<b>1 - Beam Cap</b>
<b>1 - Hex Head Bolt</b>	<b>1 - Beam Lock Assembly</b>
<b>1 - Weight Rack</b>	<b>10 - Washers</b>
<b>12 - Counter Weights (6 lb/6 kg weights)</b>	<b>1 - Beam Assembly</b>

### **Complete Assembled Unit -**

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