

#6737 WORLD'S FAIR BENCH ASSEMBLY INSTRUCTIONS

WITH RPL (RECYCLED PLASTIC LUMBER) AND BRACING

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8' L	3 legs	1 round bar 93" L, 4 large nuts	2 sets cross bracing 45" L	9 slats RPL wood, 8' L	16x 1/4"-20 carriage bolts – 2 1/2" L 38x 1/4"-20 carriage bolts – 2 1/4" L
		4 'C' channels 43 3/4" long	2x 3 hole back brace	2x 6 hole seat brace	18x 1" sheet metal screws & washers 1x driver bit
4' or 6' L	2 legs	1 round bar 45" or 69" L, 4 large nuts	1 set cross bracing 42" or 65 3/4" L	9 slats RPL wood, 4' or 6' L	8x 1/4"-20 carriage bolts – 2 1/2" L 28x 1/4"-20 carriage bolts – 2 1/4" L
		2 'C' channels 40 3/4" L or 64 3/4" L	1x 3 hole back brace	1x 6 hole seat brace	9x 1" sheet metal screws & washers 1x driver bit

1. Unpack and verify parts count.
2. Stand the legs up and install the tie rod with nuts on both sides of the outside legs leaving all loose for the time being.
 - a. NOTE – the RPL has a small drilled hole on one side, this must be to the back or underside of bench. These holes will be used for attaching the brace.
3. Install the RPL and x-braces on the backrest. The additional perpendicular metal bracing (3 holes) for the RPL goes between the RPL and the x-brace. The x-braces go to the rear of the bench, not between the wood and the leg. Leave the nuts loose. The center of the x-brace is captured with the same nut as the bar and RPL.
4. Install the RPL on the seat capturing the 'C' channel with the same bolt. The 'C' channel should be on the underside of the bench with the flat part against the iron casting. Essentially leaving a small gap between the RPL and 'C' channel in all areas other than where the steel meets it. Leave bolts slightly loose. The 1st channel is located on the 3rd slat from the front, and the 2nd channel is located on the 2nd slat from the rear.
5. Slide the 6 hole brace in between the underside of the RPL and the flat part of the 'C' channel. Use the sheet metal screws and provided driver to attach the brace at the pre-drilled holes.

6. Working on a level floor: Get a straight 2x4 and set it against the feet of the legs so one foot of each leg is touching the 2x4. This way you can make sure that the legs are lined up. Now, using a 2' framing square, check to see that the legs are at right angles to the 2x4. Also check to see that the legs are plumb.
7. Now, keeping the bench legs all square and plumb and making sure that all the slat ends are even, tighten all the nuts. When you tighten the nuts watch to make sure that you don't tighten them so much that the bolt heads are drawn into the surface of the slat which can happen easily with softer wood. Tighten the bolts evenly on both sides of the leg so that one bolt doesn't make the bench stand crooked.
8. Inspect the bench from a distance to make sure it looks good and straight.
9. Touch up the nuts and bolts at the back and bottom of the bench, at the tie rod and anywhere powder coat has chipped off from handling. This completes the assembly.