Structure: Arms

In the section, you will be building the ‘Arms.’ These components are what holds the guitar in place.

Bill of Materials:

<table>
<thead>
<tr>
<th>Name</th>
<th>Number</th>
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<tbody>
<tr>
<td>M6 12mm BHSCS</td>
<td>20</td>
</tr>
<tr>
<td>M6 Split Washer</td>
<td>20</td>
</tr>
<tr>
<td>10 Series M6 Nut</td>
<td>20</td>
</tr>
<tr>
<td>L Brackets</td>
<td>14</td>
</tr>
<tr>
<td>4” 80/20® Bar</td>
<td>2</td>
</tr>
<tr>
<td>8” 80/20® Bar</td>
<td>4</td>
</tr>
<tr>
<td>36” 80/20® Bar</td>
<td>2</td>
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</table>

Tools

<table>
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<tr>
<td>Hex Keys</td>
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Step 1:

Needs:
- L Brackets
- 80/20® nuts
- 14x M6 12mm BHSCS
- 14x M6 Split Washer
- 14x 10 Series M6 Nut

Thread a bolt through a washer and then from the inside of an L bracket to the outside. Secure this by adding the M6 nut onto the end. Repeat this 13 times.

Step 2:

Needs:
- 2x 4” 80/20® Bars
- 4x 8” 80/20® Bars
- 14x L bracket assembly

Next add L brackets to the bars as shown in above.

Attach three L brackets to the 4” bar as above. Do this for both of the 4” bars.
Attach two L brackets to the larger bar as above. Do this for each of the 8” bars.

Once attached, your pieces should match the pieces in the image below:

Step 3:

Needs:
- 6x M6 12mm BHSCS
- 2x 36” 80/20® Bars
- 2x 4” Bars assembly
- 4x 8” Bars assembly

Now attach these six pieces to the two 36” bars as follows:
- Note the distance between bars is not critical, as you will adjust them later, however, the orientation/order of the bars should match the image to the right.