

RoboBar Assembly Instructions

Parts List:

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|---------------------------------|--|
| 1 - 3/4" x 3/4" x 40" Steel Bar | 2 - 3/4" x 3/4" x 20" Steel Outrigger End-Bars |
| 2 - T-Brackets | 2 - Fully Threaded 1/4" x 1 1/2" Hex Screws |
| 2 - 1/4" Hex Nuts | 4 - 1/4" x 2" Eye-Screw |
| 8 - 1/4" x 1 1/4" Hex Screws | 14 - 1/4" Nyloc Hex Nuts |

Required Tools: You will need two 7/16" wrenches for holding the screws while tightening the Nyloc Hex Nuts. If you have a 7/16" socket on a cordless drill, that will make it even easier. **Before you start, it's important to lay out all the fasteners and parts in groups as identified above. This will also help make assembly easier.**

Step One: Install the two Fully Threaded 1/4" x 1 1/2" Hex Screws using the two 1/4" Hex Nuts into the bottom of your LightRail Drive Motor Assembly as shown in **Fig 1**. Note: If it is difficult to insert the screws into the holes, then it's OK to loosen the Motor Assembly's center 3/8" coupler nut to allow the holes more flexibility to line up better.

Step Two: Using four of the 1/4" x 1 1/4" Hex Screws and four of the 1/4" Nyloc Hex Nuts, install the two T-Brackets onto the one 3/4" x 3/4" x 40" Steel Bar as shown in **Fig 2**, one on each end. Tighten.

Step Three: Using the remaining 1/4" x 1 1/4" Hex Screws and four of the 1/4" Nyloc Hex Nuts, install the two 3/4" x 3/4" x 20" Steel Outrigger End-Bars as shown in **Fig 3**, one on each end. Tighten.

Step Four: Install the four 1/4" x 2" Eye-Screws using four of the of the 1/4" Nyloc Hex Nuts as shown in **Fig 4**. Note: The eye ends should all be facing the same direction. Tighten. These will be the four hanging points.

Step Five: Using the remaining two 1/4" Nyloc Hex Nuts, mount the RoboBar to the bottom of your LightRail Drive Motor Assembly as seen in **Fig 5**. Tighten. This can be done on a flat surface before you install the Drive Motor onto the Rail, or it can be done after the Drive Motor has been installed onto the Rail, either way is fine.

Step Six: Using adjustable Rope Ratchets or cables (not included), you can now hang your grow light to the four corner Eye-Screws of your RoboBar as seen in **Fig 6**. **Note: If your grow light came with only two Rope Ratchets or cables, along with two metal harps, you will need to modify by not using any harps and purchasing two more Rope Ratchets/cables (source at grow light company or hardware store) to create four hanging points from your grow light directly to the four Eye-Screw hanging points of the RoboBar. Rope Ratchets will likely angle to their hanging points. Adjust all Rope Ratchets/cables for level, even function.**

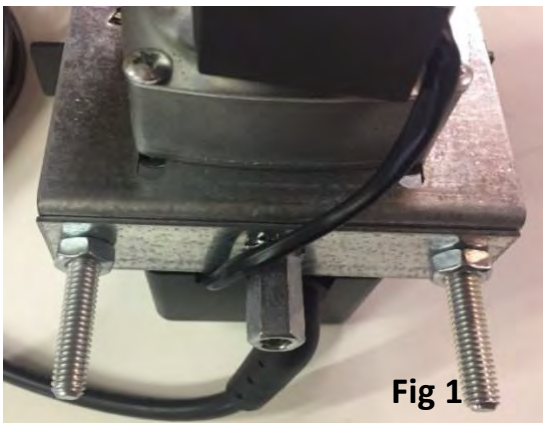


Fig 1

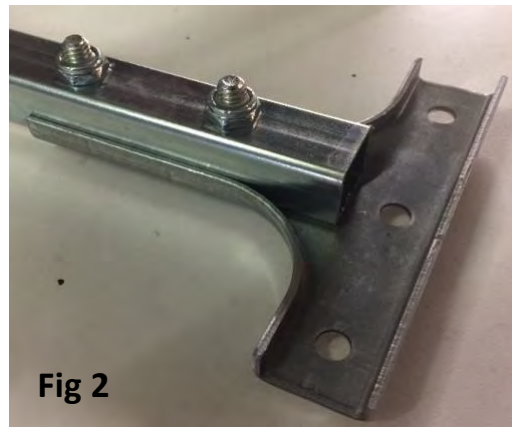


Fig 2

