# Instructions for Installing Garden Tower Castors

| Parts List: | | Cost |
|---|---|---|
| 1 pc | 1 3/8 6 ft. Galvinized 14 gauge PLT metal | $9.98 |
| 3 pcs | 3” stem castors with brakes @$6.97 each | 21.91 |
| 3 pcs | 5 1/16” galvinized hex nut @$0.20 each | $0.60 |
| 1 bag | 10” plastic zip ties | $2.74 |
| 3 pcs | plastic caps from Costco medicine container (may substitute by any similar size sturdy plastic caps available on hand, just scavenge around, some gallon water jug caps fit) | Free on hand |
| 3 pcs | 3” masking tape (this is for wrapping the ends of the metal pieces as the corners are quite sharp.) | Free on hand |
| 3 pcs | caps from little lotion bottles | Free on hand |

Total Cost including sales tax, approx. $40.00

- First cut 6 ft. PLT metal pc. into 3 pcs, 22” each with hacksaw with metal cutting blade. Making sure to line up the holes on the metal pc. with the holes in the legs of the garden tower. Mark and cut in the middle of the holes as it is easier.

- Flip tower base upside down. You will notice there is a notch on each leg where the hole is. Put the plastic cap fitting into the notch, sitting upside down. (see picture 1) This is just to protect the plastic legs and making sure that the metal pc. has something to sit on, as the plastic cap is just the right height of the notch, so just check and see if the caps fits, and then take the caps back out.

Picture 1

- Drill holes in middle of plastic caps with drill bit. You will notice the plastic caps has another piece of clear plastic at the bottom of the caps, just take those out with a screwdriver or knife, taking care not to break them as you can use them as plastic washers, or if your plastic caps has no plastic pc. you can substitute with other right sized rubber washers (See picture 2)

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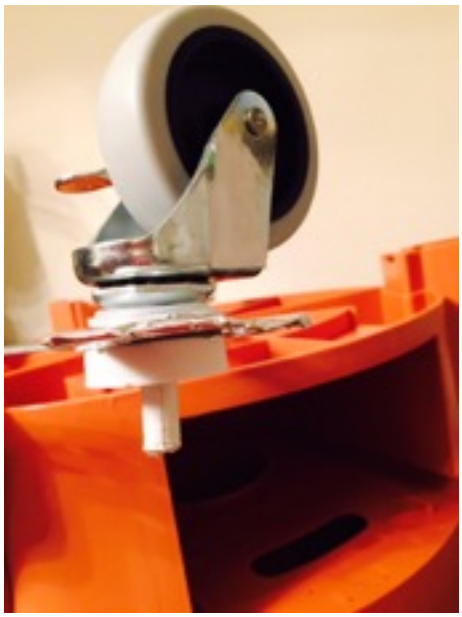
Picture 2

- Now take the shafted castor, insert plastic/rubber washer, then two pcs of metal flat pcs, making sure they are at the right holes. Now insert plastic cap, making sure top of cap goes in first, screw the hex nut onto the the shaft on the bottom side of plastic cap and tighten it. Now cut a good small pc of masking tape, making sure it is the right size, around 1 1/2", wrap it around the shaft. This is to make sure that the shaft when inserted into the leg hole, it will stay snuggly since the shaft is too short to be bolted to the leg. (See Picture 3)



Picture 3

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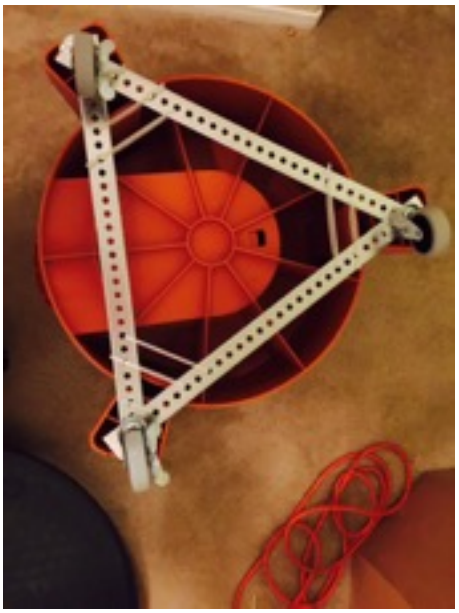
- Now repeat the same process with the other flat metal pcs, overlapping the metal pcs on each other, making a triangle base. Take care with the ends of the metal pcs as they are very sharp. Wrap masking tapes at the end of the metal pcs to protect yourself. You can file them if you have a file, but I don't. I also cut and wrap the ends of the metal pcs with self sticking aluminum tape which I have on hand when making my Faraday Cage, but that is not necessary. You can just wrap a piece of aluminum foil around it to prevent the masking tape from getting wet and nasty after some time.

- Next insert shafts of castors into each leg of the tower. (Once the base of tower is turned upside up, the castors will not come off as the weight of the tower will keep them in.)

- Now insert the plastic zip ties onto the holes of the metal pcs and tighten them. This is to secure the metal pcs. so they won't move, just as a precaution. I used three pcs. for each leg, but you can put more on. (see picture 4)



Picture 4

- Now you can flip the Tower Base over. Roll the base and test it a little bit.

- I also scavenged three plastic tops from hotel lotion/shampoo tops to put in hole on top of legs. This is to prevent dirt from collecting in the holes. You can fill it with other things that you can find, like toothpaste caps, or whatever. (picture 5)

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Picture 5