



Coro Character PVC Frame Instructions:

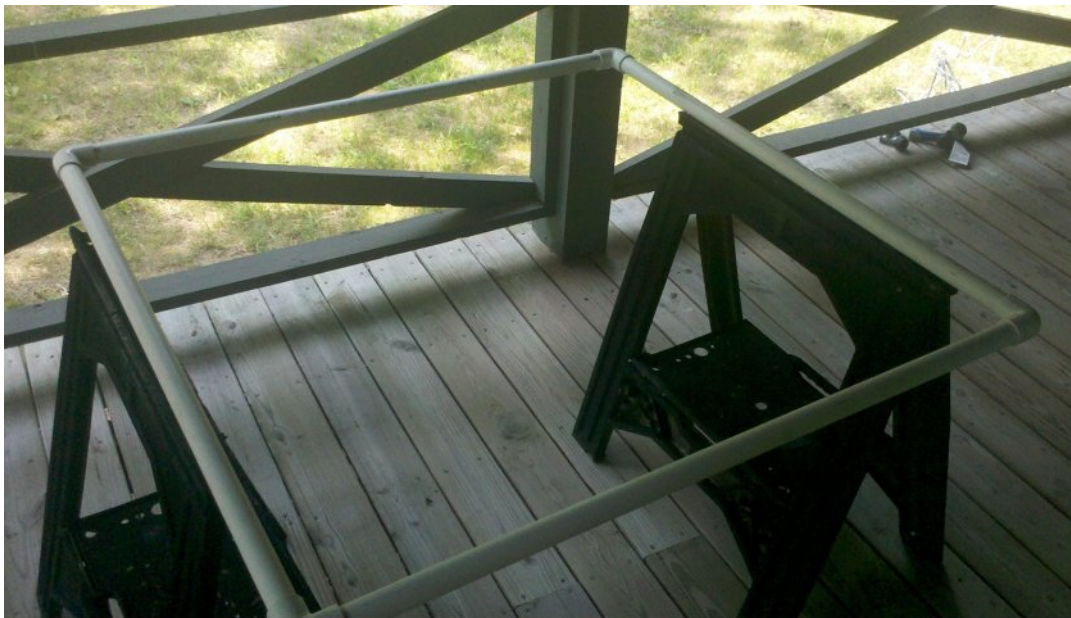
In this tutorial we will show you how to make a basic light weight frame for your Coro character. Then we will show you how to add on to your frame to help you either place your character on a wall or on a pole with or without using one of our 5-way pole stands.



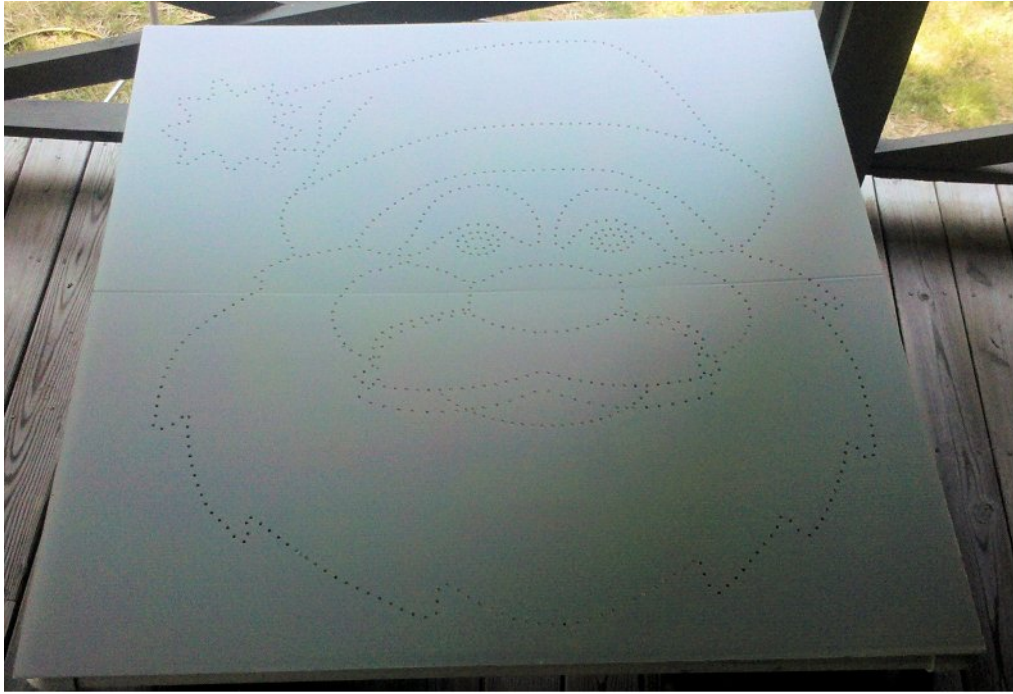
To begin you need to pick up 2 – 1" x 10' pieces of schedule 40 pvc pipe for the frame only. For Santa you will need to cut 4-41" pieces from your 1"x10' piece of pvc pipe. For Ms. Claus and the Reindeer you will need to cut 4-45" pieces from your 2-1"x10' pieces of pvc pipe. Save the extra pieces for add-ons to the frame if you choose to build other attachments.



Take 4 - 90 degree elbows and connect them together to form a square as seen on picture above.



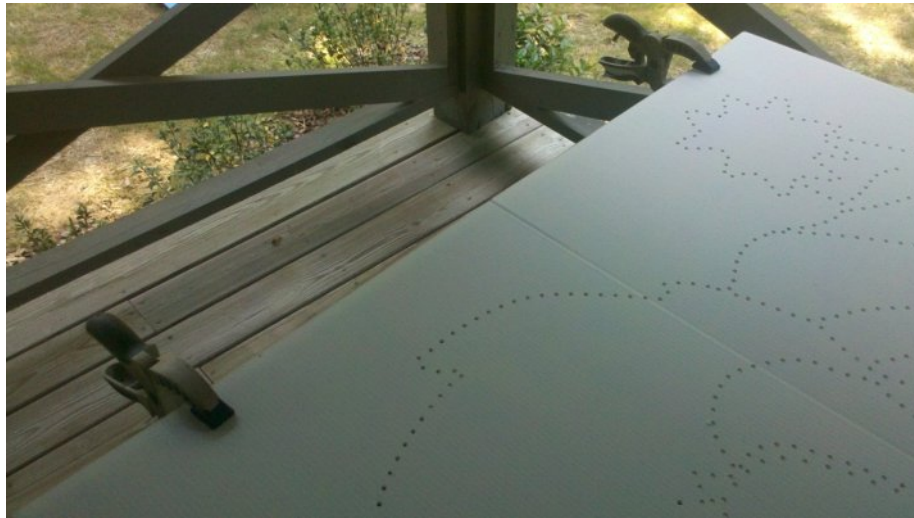
If you have plastic horses, you can set your frame on them to hold it in place when you attach your Coro character.



Lay your character on top of your frame.



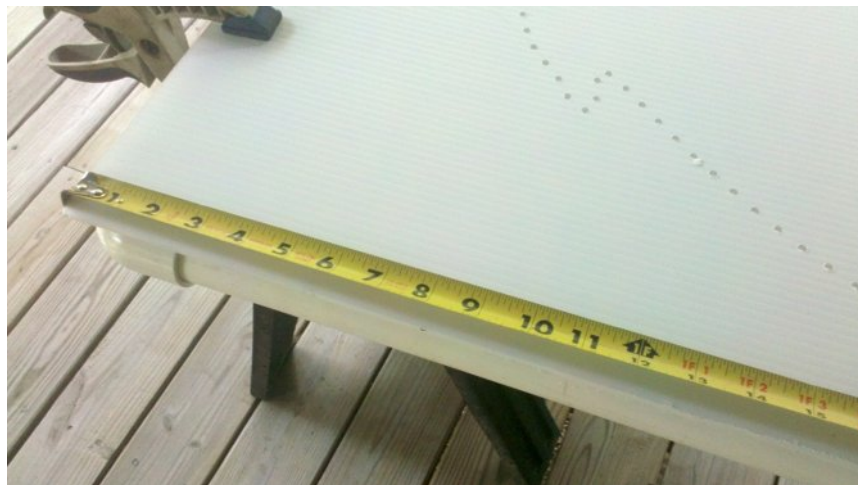
Make sure it is lined up even on all sides.



Clamp your character sign down to prepare for drilling holes in your character sign. This will help keep it in place while you drill holes. Once you have at least two bolts in two corners, you can remove the clamps.



To bolt your character board down, you will need approximately 20 – 2" x 1/4" screw head bolts, 20 – 1/4" nuts and 40 – 1/4" washers.



Drill a 1/4" hole in 2 corners; just pass the elbow, 3" to 4" from the corner. Then place 3 more holes between the two corner bolts you installed. Continue till you have all 4 sides secure. Once you have the frame mounted you are ready to install your lights you only want to use the square frame. One more suggestion for this frame, if you would like to hang it for example, under an eave at your home you can drill holes on the top side and install some eyelets to help you hang it. If you want to hang it on a wall or pole, please continue.



Now we are going to build Snap-On braces for the Character square frame. You will need to 2 more 41" pvc pieces for the Santa and 2 - 45" pvc pieces if you are doing the Ms. Claus and Reindeer character.

You will need the following:

1. Cut 4-2" pieces cut from left over 1" pvc pipe.
2. 6-1" Spears Snap-on Tees. These are not found locally, but can be purchased from our web site.
3. 4- 1" - 90 degree elbows.
4. 2- 41" pieces cut from 1" pvc pipe for Santa or 2- 45" pieces cut from 1" pipe if you are using Ms. Claus or the reindeer characters.
5. The last piece is cut from 1" pipe and can be measure for cutting once you put your 2 braces on your square frame.



To make one of the braces in the picture above you will need 2 elbows, 2 - 1" pieces of pvc cut into 2" pieces. Insert 2" precut into elbow and then slide on 1" Snap-on tee. You will want to glue these pieces to make structure more rigid.



This 1" piece (above) is cut to size once you place your 2 braces on your square frame.



In picture above snap your first brace on about 1" from your elbow. Keep in mind that your character board will be attached and a bolt will be sticking out, so you will need for the brace to snap on the other side of the bolt.



Now take the piece that snaps onto both braces. You will need to measure the distance between the two braces to make this piece. Now you're ready to hang your character on a wall. You will need to make or find some "L" brackets so you can hang it on a wall. If you want to mount on a 1 1/4" pole, please continue below.



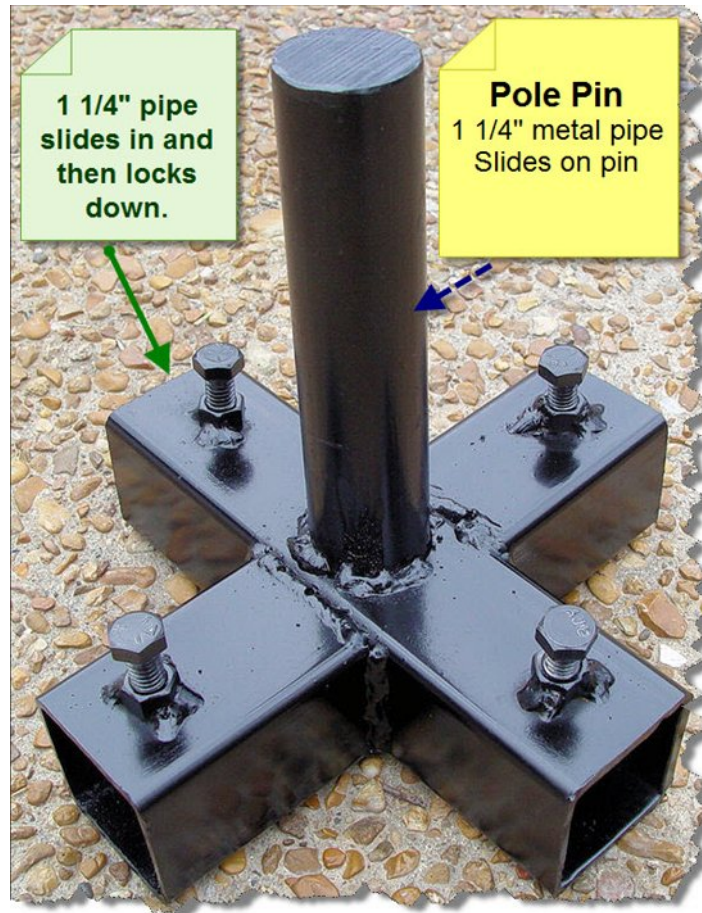
In the picture above is a 1" Spears Snap-on tee, 1" pvc pipe cut 2" long, 1 1/4" to 1" reducer and 1 1/4" Spears Snap-on tee. Glue these together to make 2 assemblies.



Take both of these Snap-on assemblies and snap one end on the 1" pvc at the bottom and the other assembly at the top.



Your final frame will look like picture above. If you want to build a stand to hold your character sign, continue below.



To make a stand you will need our 1 1/4" 5-way stand (can be purchased from our website. Locally you will need to buy 1-1 1/4" x 10' EMT (non-threaded, looks like fence post). This piece is cut into 4 equal pieces (30"). These are used for the legs that will lie on the ground horizontally. Next you will need 5' of 1 1/4" black gas pipe. You will probably have to get a 10' section either cut 5' off or leave it 10'. The 1 1/4" Snap-on tee will only fit the black gas pipe. If you want to use the full 10' pipe and raise you character up higher you can do that, but make sure you guy wire the pole and secure your frame from being twisted by the wind. If you have the character sign high or low you will want to prevent the wind from blowing it around.

