

# HOW TO BUILD PVC BUTT BINS



## OUR NEW DESIGN

Started in Salem, MA in 2014, the Cigarette Butt Bin Project aims to reduce the number of cigarette butts that end up on our streets and eventually in our ocean. When the Talking Trash Interns picked up this project in the fall of 2020, there were around 50 existing butt bins throughout downtown Salem. However, many of the stickers were gone or peeling and they were no longer being noticed by the pedestrian smoker. This spring we designed a new, more eye-catching butt receptacle and replaced all of the stickers on the existing bins. The new bins will be installed throughout downtown Lynn this fall.



# NEEDED MATERIALS

- 10 foot long schedule 60 PVC pipe
- 3 inch wide PVC cap
- 3 inch wide PVC coupling
- 3 inch wide PVC cleanout plug
- Saw
- Tape measure
- Oatey Handy Pack: Purple Primer and Regular Clear PVC Cement
- Black spray paint
- Orange spray paint
- White spray paint
- Painter's tape
- Drill
- 1/2 inch drill bit
- Scuff pad, steel wool, and/or sandpaper (*optional*)
- Pencil
- Mask
- Gloves
- Cardboard
- Paper
- Outdoor space
- Something sturdy to prop the PVC pipe above the ground
- Pole to prop the PVC pipe upright when painting (*ideal but not required*)



# DIRECTIONS

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- 1.** Prop your PVC pipe above the ground and make sure it's sturdy or have someone hold it still.
- 2.** Using your tape measure and pencil, draw lines every 2 feet, sectioning the PVC pipe into fifths.
- 3.** Cut PVC pipe with your saw according to the lines.



- 4.** *(optional step)* Take your scuff pad, steel wool, and/or sandpaper to roughen up the surface of the PVC pipe. The rougher the surface, the easier it will be for the spray paint to stick on.

# DIRECTIONS

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- 5.** Place cardboard on a flat surface outside to catch any material that may drip/spill.
- 6.** On top of the cardboard and with gloves on, take your Purple Primer and brush it onto the ends of the PVC pipe and the fittings you will be attaching. Let sit for 30 seconds to 2 minutes. (Make sure to have a mask on when using!)

EXAMPLE: when priming PVC pipe, brush on the **OUTSIDE** like this.



EXAMPLE: when priming PVC fittings, brush the primer on the **INSIDE**. For the cap, brush until you reach the line.

# DIRECTIONS

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7. Apply PVC Cement to the areas you primed.



8. Attach fittings to PVC pipe and hold them together for 30 seconds.
9. Follow instructions on spray paint cans prior to painting. Make sure to have a mask on when spray painting.

# DIRECTIONS

NOTE: the order in which you paint the colors doesn't necessarily matter. As long as the finished product looks how it should, you're all set!

**10.** Cover specific sections of the bin with painter's tape and paper depending on the color you will be painting.

**White:** cover the cap and bottom.

**Orange:** cover the cap and middle.

**Black:** cover the middle and bottom.



# DIRECTIONS

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- 11.** Place PVC pipe onto something that can keep it upright--like a pole or an outdoor table. Avoid having it on its side when painting or else the paint will dry with a weird texture.



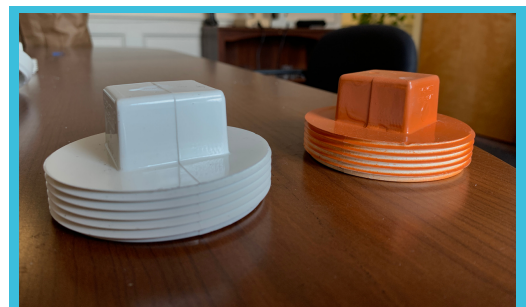
# DIRECTIONS

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- 12.** Spray paint your bin! Make sure to do it in multiple layers rather than spraying one time with a heavy hand so it's as even as possible.



- 13.** Paint until colors are opaque and you cannot see the red text on the PVC pipe or possible Purple Primer leakage. (Make sure to paint the bottom that twists off, too!)





# DIRECTIONS

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**14.** When satisfied with base colors, re-cover the middle and bottom sections with painter's tape and paper.

**15.** From a distance and with a light hand, spray white paint onto the cap to create a look similar to the burnt end of a cigarette.



**16.** Once dry, measure 1.5 inches below the cap then draw an X.

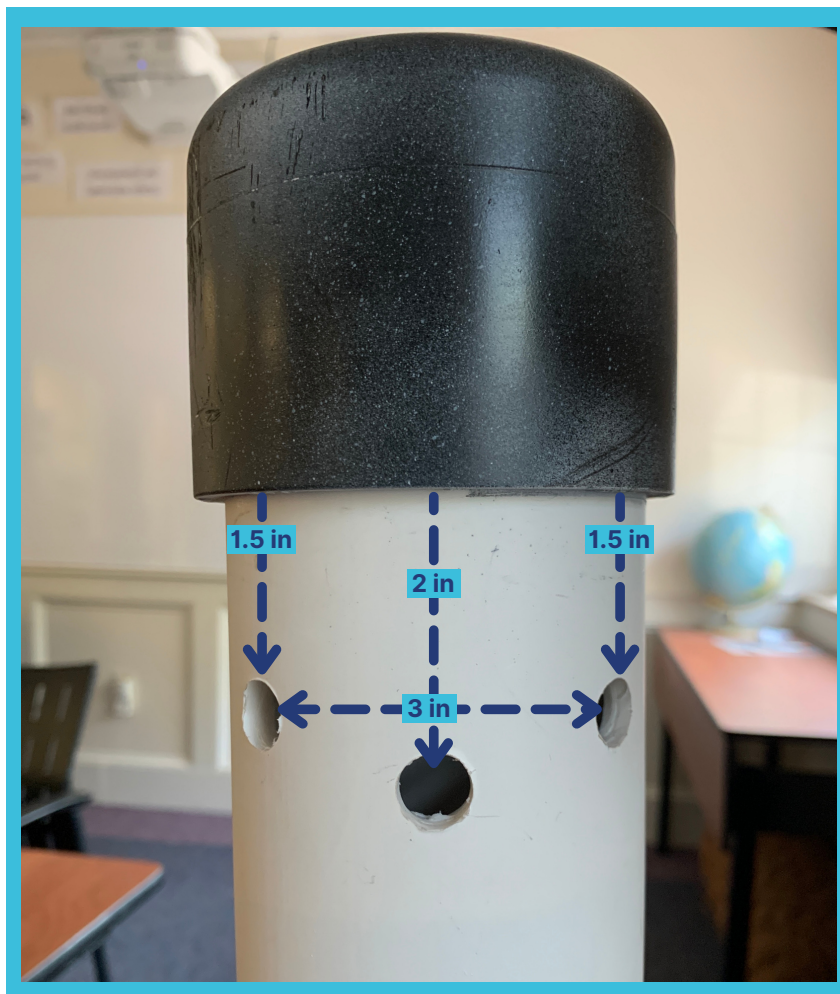
**17.** From that X, measure 3 inches to the right and draw another X.

# DIRECTIONS

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**18.** In the middle of those two X's and 2 inches below the cap, draw another X.

**19.** Drill holes as labeled.



**20.** Place sticker according to the green arrow.

# FINAL PRODUCT!

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