

## Instructions for AFTS

Tools and equipment you need for installation - protective eyeglasses, work gloves, electric drill with drill bits, circular saw with Norton metal cut-off blade, jigsaw, wire stripper, screw driver, pressure washer with 3:1 mixture of water to bleach.

### STEP 1

Start by clearing out the trailer and get rid of any dirt and debris.

### STEP 2

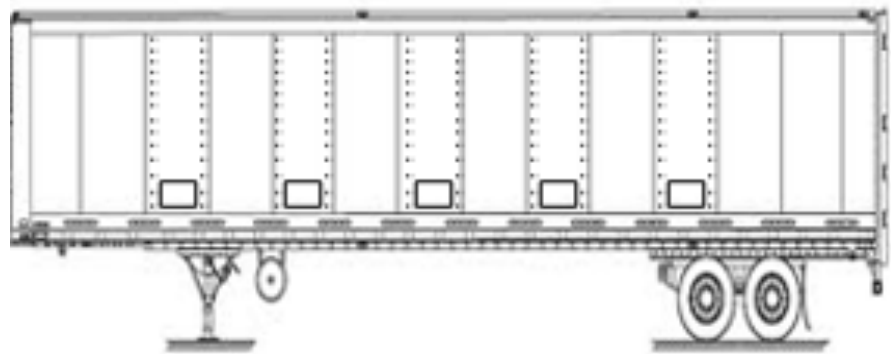
Get your 3:1 water to bleach mixture and pour it into the pressure washer.

### STEP 3

Start pressure washing the inside of the trailer. Also to make for easier clean up, park on an incline or put trailer on blocks so water runs out of trailer. If you don't park on an incline to let water drain while pressure washing, use a squeegee to remove excess water.

### STEP 4

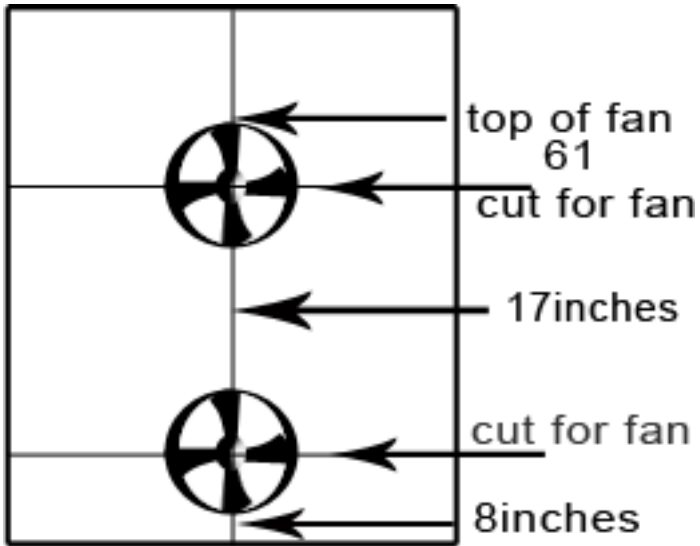
Start by measuring where vents should go and outline your cuts with pencil. Use the template given with the kit to outline vent cuts. There are 5 vents to each side each of the trailer. Vent should start 78 inches from the front of the trailer and 78 inches from the rear of the trailer. Each vent should have even 8 feet spacing between them and should be as low to the floor as possible without cutting into the floor of the trailer. REALIZE THAT ALL TRAILERS ARE DIFFERENT - MAKE MEASUREMENTS AND CUT AS CLOSE AS POSSIBLE TO THE INSTRUCTIONS. IMPORTANT - DO NOT CUT INTO WALL MOUNTS OF TRAILER OR RIVETS OF TRAILER. Vents go on the **OUTSIDE** of the trailer.



Vents Location

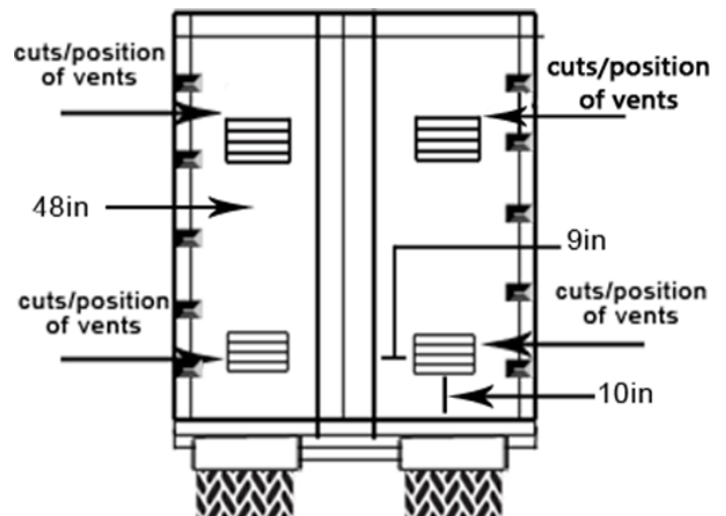
## STEP 5

It's a good time to mark where your fans will go. Go to the front of the trailer. One fan should be 8 inches from the bottom of trailer floor. There should be at least 17 inches in between the fans. The top fan should at least stand 61 inches above the bottom of the floor of the trailer. Both should meet in the center of the trailer. If there's a support beam in the middle with rivets, put the lower fan on the left side as close to the support beam as possible and the top fan on the right side as close as possible to the support beam. Use same measurements. Fans go on the **OUTSIDE** of the trailer.



## STEP 6

Now measure and outline for the cuts in the rear doors of the trailer. 4 vents go into the doors of the trailer. 2 vents go on each side of the door. All vents should be at least 9 inches away from the door opening. The bottom vent should be at least 10 inches from the floor. There should be at least 48 inches in between the vents and the top vent should be at least 5 feet from the bottom of the trailer floor. Repeat the same measurements on other trailer door. If you have double door latching, make measurement as close as possible to instruction. DO NOT CUT INTO DOOR LATCHING. Vents go on the **OUTSIDE** of the trailer.

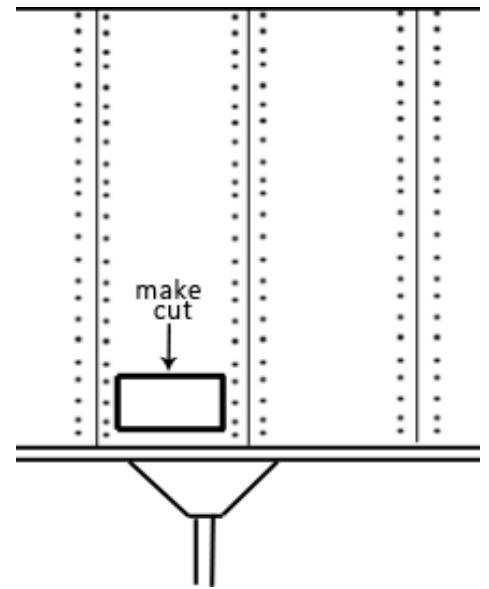


## STEP 7

Use your saw to start cutting the holes for your vents that go on the sides of the trailer. Cut all 10 vent holes.

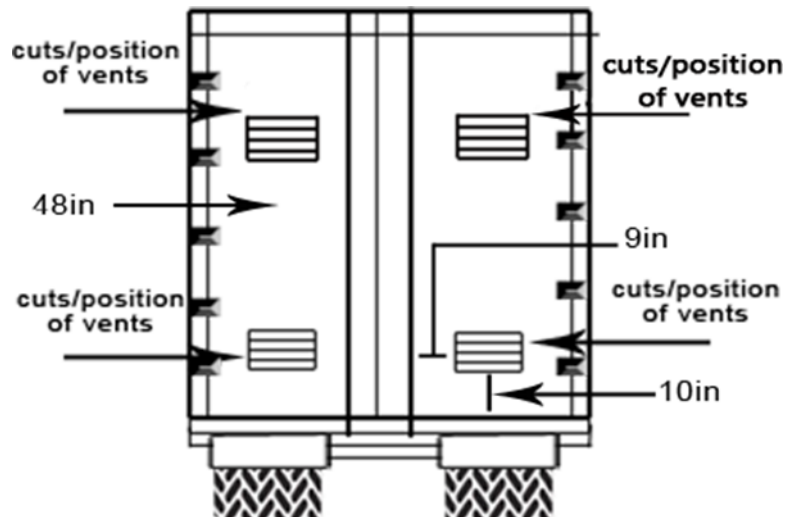
### IMPORTANT

Note that the vent is placed towards the floor of the trailer. Make sure louver is facing down so water cannot get in and make sure cuts are done in-between rivets.



## STEP 8

Go to the rear of the trailer where the doors are and make your cuts. Install vents when finished cutting.

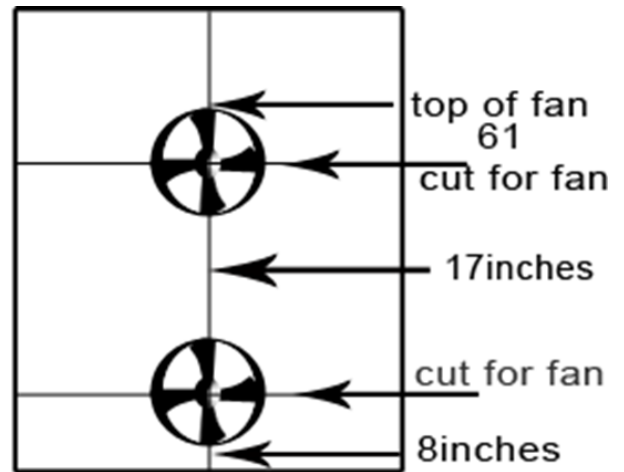
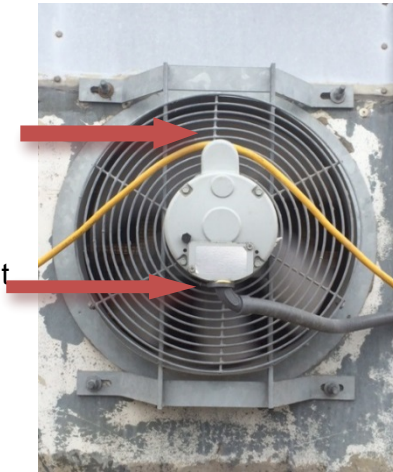


### STEP 9

Go to front of trailer and make cuts for fans.

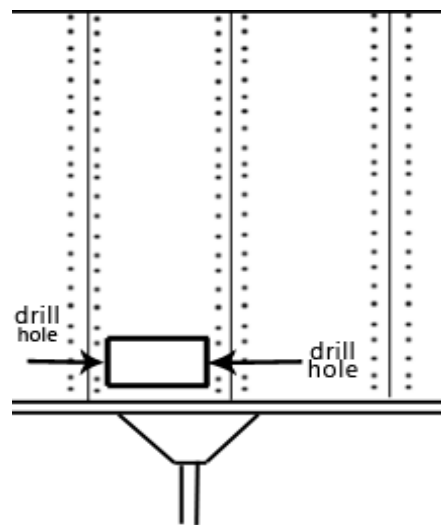
#### IMPORTANT

Make sure the capacitor is facing straight up. There is a rubber plug at the bottom of the fan motor. It is important to have it facing down so water can drain out. Check the plug from time to time to make sure water is not building up in the fan housing.



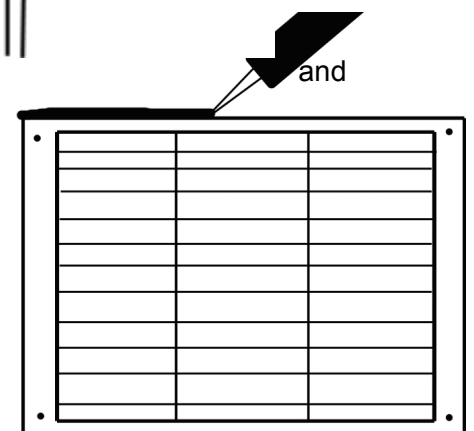
### STEP 10

Install vent and drill in screws that came with kit into the trailer. Don't forget to put insect screen in-between the vent grill and trailer before screwing. Some vents already come with screens installed so disregard screen installation.



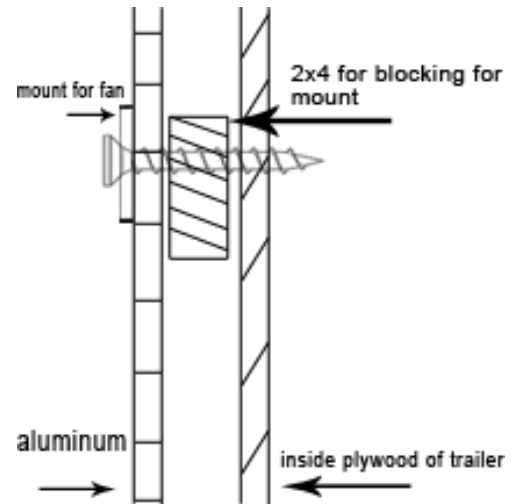
### STEP 11

Make sure you used the caulking around the vents the fans to make air tight seal.



## STEP 12

Mount the fans in the hole. First look at the spacing between the aluminum and plywood. If there's no room between the aluminum and the plywood, skip blocking step. If there is room between aluminum and plywood put a 2x4 there. You must put one in to keep fan from flexion. Mark location of the bolt and drill a 7/16 inch hole. Put bolt in and tighten until fan is safely secured to trailer. Repeat same steps for second fan.

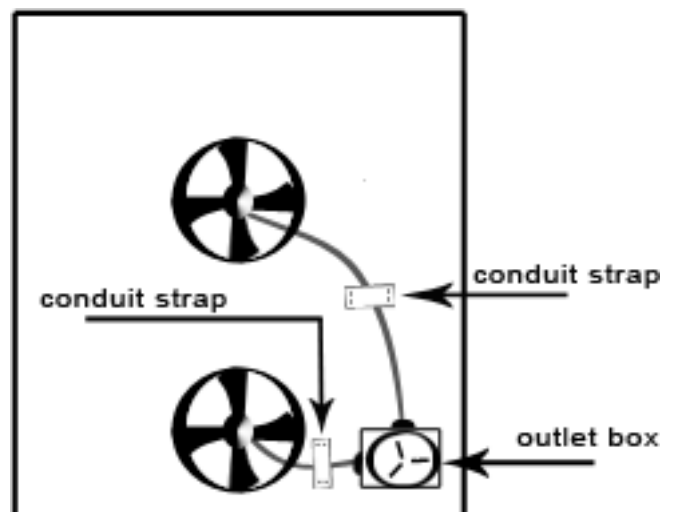


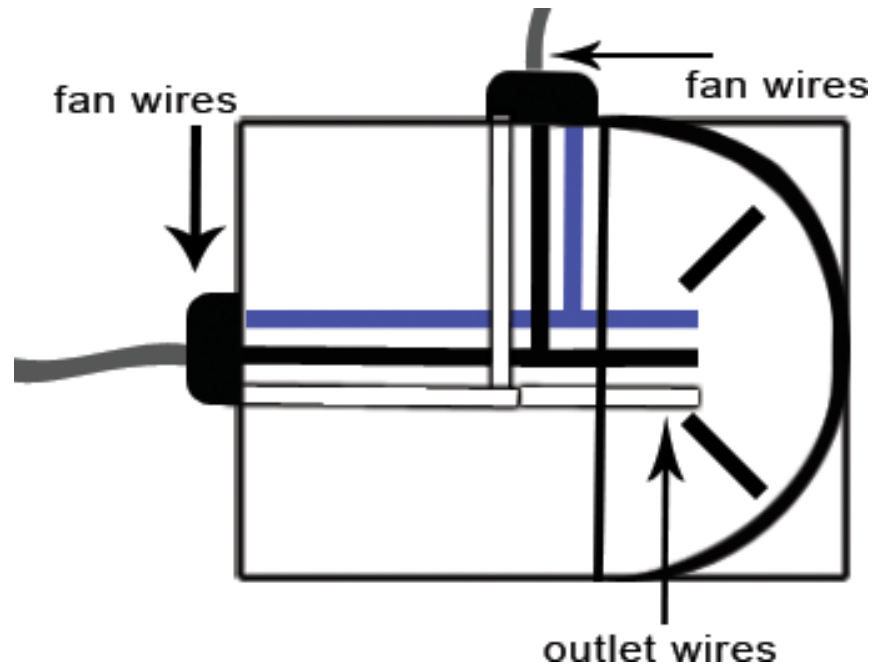
## STEP 13

Remove plug cover from box. Attach top unit conduit to 90 degree connector and attach lower unit conduit to straight connector. Use self-tapping screws (4) and attach box to front of trailer. Attach top unit conduit to trailer using conduit strap and two (2) self-tapping screws about two (2) feet above box.

## STEP 14

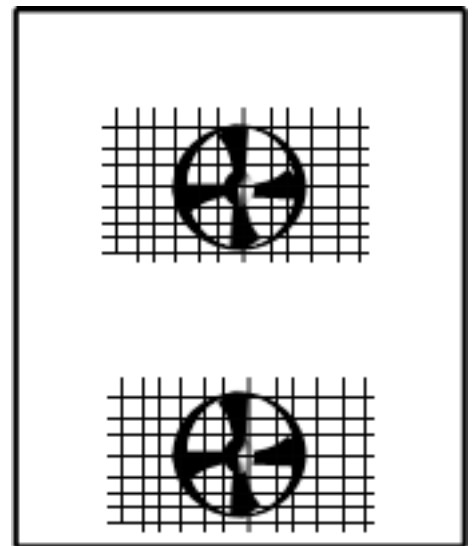
Attach each wire to the same color wire. Do a pigtail to attach the wires, so three blue wires for one pigtail, three white wires to one pigtail, and three black wires to one pigtail. Put wire nut securely over each individual pigtail. **Note that most kits come with blue wires but if yours comes with green, repeat the same step as if it was blue.** Reattach plug cover to box.





STEP 15

Make sure to staple the wire mesh over the fans on the inside of the trailer so debris will not get pulled into the fan and this protects your workers from the fan blades.



**WARNING – 1/2" X 24" X 22"  
HARDWARE CLOTH MUST BE INSTALLED ON THE  
INSIDE OF THE TRAILER IN FRONT OF THE FAN  
BLADES. DO NOT TURN ON FAN UNTIL THESE HAVE  
BEEN INSTALLED!**

## IMPORTANT

Only remove if moisture is thought to be in fan housing after draining the moisture. Securely install black plug back in fan housing.



*black plug under fan motor  
should only be remove to let  
out moisture from fan motor  
housing.*