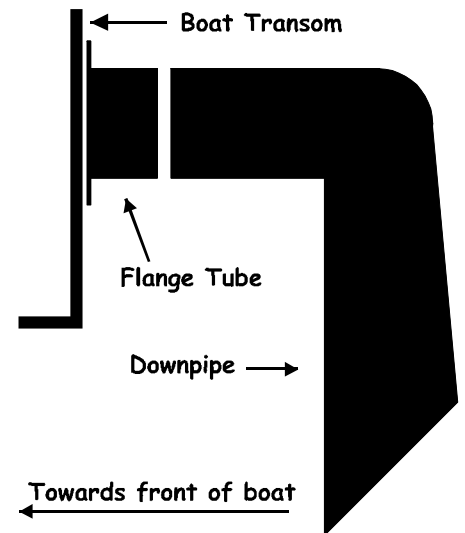


Fresh Air Exhaust Installation – Swim Platform Mount

- 1) Remove the 2 screws and stainless steel plate that hold the rubber flapper onto the exhaust outlet of the boat. Remove the 2 screws at the bottom of the exhaust outlet (that were previously under the rubber flapper).
- 2) Mount the **flange tube** into the existing exhaust outlet, using the screws removed in Step 1 (confirm the rubber gasket is in place). **VERY IMPORTANT - Use silicone seal or other appropriate sealant on the threads of the mounting screws.**
- 3) Repeat steps 1-2 for the other exhaust outlet.
- 4) There are 4 hose clamps holding the **downpipe** (tee) to the two **90s**. Do not loosen the two inner hose clamps or remove the hose from the **downpipe** as it is difficult to re-attach.
- 5) The FAE needs to be rotated from the shipping position. Loosen the 2 outer hose clamps. Rotate the two **90s** so that the longest side of the **downpipe** faces towards the front of the boat (see drawing to right).
- 6) Place the 2 rubber couplings onto the **flange tubes**, pushing the couplings firmly into place. Rubbing Alcohol will help them slide easier. It may be necessary to adjust the overall width of the FAE to fit onto the **flange tubes**. Make sure the downpipe is centered between the two 90s and that the FAE is level. Tighten the hose clamps snug but do not tighten firmly yet.
- 7) Place the **all-thread rod** into one of the **welded mounting tubes** on the FAE. Push the **all-thread rod** up against the swim platform (or transom overhang), insure that the **all-thread rod** is straight (left to right and front to back), and mark the swim platform (or transom overhang) where the **all-thread rod** touches. Next mark the other side. Now remove the FAE from the boat.
- 8) Position the **square hanger tube** by aligning the **all-thread rod** holes over the two marks you just made (see drawing on separate page). Mark the swim platform (or transom overhang) at the two (or three) holes in the **square hanger tube** where the **lag screws** mount. Your FAE may have one or two **square hanger tube/s**.
- 9) Drill 1/8" holes in the swim platform (or transom overhang) at the second set of two or three marks you just made.
 - When drilling into a wood swim platform, be careful not to drill through the top of the swim platform. Typically, where you are drilling, the wood is 1 1/2" thick. You can mark the drill bit with a piece of tape at 1 inch and then don't drill deeper than that.



- When drilling into fiberglass, you may need to use a drill bit larger than 1/8". If the **lag screw** binds when screwing it in, go to a slightly larger drill bit and then try again. Repeat until the **lag screw** goes in without binding. Do not exceed a 3/16" drill bit. The fiberglass on a transom overhang is thick and more difficult to screw into. The fiberglass on a fiberglass swim platform is thin, and easy to make the screw hole too large; be careful when drilling not to use too large a drill bit.

- 10) Install the **square hanger tube/s** (see drawing). Use sealant on the **lag screws** if the mounting is going into fiberglass.
- 11) Put the FAE back onto the **flange tubes** with the FAE centered and level and tighten the hose clamps loosely,
- 12) Push the **all-thread rod** through the **welded mounting tube** on the FAE and through the **square hanger tube**. Mark the **all-thread rod** with masking tape at the proper length it needs to be cut (see drawing). Remove the **all-thread rod**, measure the length, and cut the correct length of **all-thread rod** from the end that includes the welded nut.
- 13) Install the **all-thread rod** and all the **nuts, washers, and sleeves** (definitely refer to drawing).
- 14) Position all of the components so that the FAE is centered and level. The front of the FAE **downpipe** should be straight up and down or angled slightly away from the boat.
- 15) Position the hose clamps so that the hose clamp bolt is hidden and facing downward (as positioned when shipped). Also position the hose clamps so that the bands are evenly spaced relative to the edge of the rubber hose. Tighten all hose clamps snugly with a nut driver instead of a screwdriver. Tighten the **nuts** on the **all-thread rod** so that the springs (or rubber sleeves) are compressed about 10%.
- 16) If you wish to hide the exposed **all-thread rod**, you can place a piece of rubber hose or steel tube over it as shown in the drawing. If you use steel tube, you will need to cut it to the exact length so you can **replace the two nuts** on the all-thread rod. If this tube is not in the mounting hardware, tell us the exact length needed and we will send you the correct pieces.
- 17) If you do not install rubber hose or steel tube to cover the all-thread rod, place medium strength thread lock on the plain nuts to keep them from vibrating loose (available at hardware or auto parts stores).
- 18) At this point, installation of FAE is complete. You should be able to push and pull on the **downpipe** firmly and it should remain in place. It is designed to only come loose if you should strike something.
- 19) If you strike something and FAE pulls away from the flange tube/s, simply reposition and tighten the hose clamps again. If FAE comes loose or moves during normal boating, tighten the hose clamps more or add additional hose clamps (which we will provide if you need them).