



Fresh Air Exhaust Installation Instructions For Malibu boat with Power Wedge & dual exhaust



Congrats on your FAE purchase! If at any point during the installation, you run into questions, please call us at 512-789-6266, or email us at mail@FreshAirExhaust.com.

Don't forget to register your FAE warranty.



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Tools and Supplies Needed



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PLEASE inspect your FAE and read the instructions before installation (before driving to the lake house). Let us know if you think you are missing anything or don't understand something. If needed, be prepared to text pictures if you can. We are available by phone to answer your installation questions. 512.647.7321 – Central Time – Any day – 8am to 8pm.

There are lots of packaging peanuts, so have a clean garbage bag ready to dump them into. If you think you are missing parts, please inspect the peanuts for parts that settled downward during shipping. While installing the FAE, keep the plastic wrap in place to keep your FAE clean. If any hose clamps have blue tape wrapped around them, for now, leave those hose clamps alone.

Tools and supplies needed.

- Silicone sealant – any brand
- 5/16" socket wrench or nut driver
- Phillips Screwdriver (if removing the swim platform)
- Typical wrench set
- Anti-Seize or oil for threads (see below in general instructions)

Hardware needed for your FAE

2015 Malibu with power wedge II will have double the hardware

- (1) 3/4" Square tube x 23" drilled per work order
- (2) 5/16 "x 2" Bolts,
 - * 5/16- 4 washers, 2 nuts, 2 Nylocs
- (2) 3/8" x 6" all thread,
 - *3/8 - 4 washers, 2 nuts, 2 Nylocs, (2) 2 5/8" Sleeves
- (2) Black end caps
- (2) 3/8" nuts to use as spacers
- (4) hose couplings
- (2) Front pipes
- (2) PW5 flanges with or without flappers per the customer's request and with a cork gasket, Flanges will be marked port and starboard
- (16) #48 hose clamps if a 3" FAE and (16) #56 if a 3.5" FAE



For all bolts, use oil (or suntan lotion) on the threads. You should use the standard nuts to position everything; then complete the installation with the Nyloc nuts. Once you install a Nyloc nut it is very difficult to remove. While completing the installation, you can either remove the standard nut and replace it with a Nyloc nut or just screw the Nyloc nut over the standard nut. Interesting fact: stainless steel creates friction in the threads when turning a nut/bolt. The friction can get so hot that it melts the stainless steel and cold welds the steel. Game over; you cannot undo it. So, in addition to putting oil on the threads, turn the wrench slowly.



Use a 5/16" socket wrench or nut driver to tighten the hose clamps; a screwdriver is not adequate. Check the tightness on one of the hose clamps marked with blue tape to feel how tight we tighten them. When a hose clamp is properly tightened, the portion of the band that sticks out will deviate to the side (as shown in drawing). Before tightening the hose clamps, position them so the bands are straight and parallel with each other, and the screw head is hidden on the inside if possible (just looks better). There will be four hose clamps per rubber hose (a few boats may only have three hose clamps per hose).



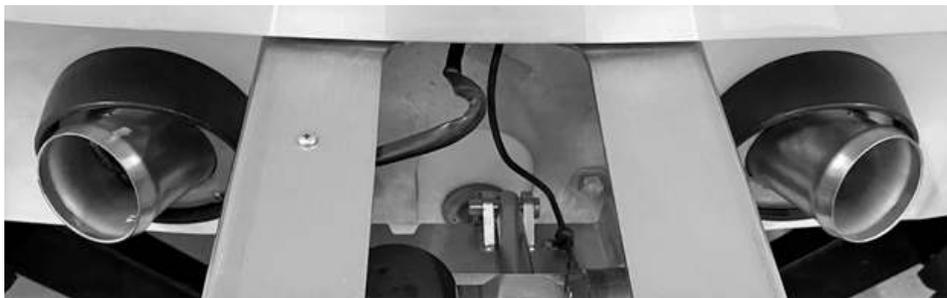
If your boat has turned down tips (see picture below right) we should have already spoken with you about your options. Look for the additional instructions included in the box. If your boat's exhaust outlet/tip is not shown here, look for additional instructions emailed or in the box.

If your boat has an exhaust outlet as shown in two pictures below left; remove the 2 screws and "half-moon" stainless plate holding the rubber flapper. Next remove the 2 or 3 screws that were underneath the rubber flapper. That is all; do not remove the exhaust outlet. Save the flapper and all screws. We recommend storing them in the event they are needed.



You will now install the FAE flange into / onto your boat's exhaust outlet. You may re-use the original screws or use those we supply. You need to confirm that the screws tighten snugly. You will use a silicone sealant only on the screws holding the FAE flange in place. Just leave the cork gasket in place and do not coat it with sealant.

For your FAE, the flange tips point upward and outward as shown in this picture. The tube portion of your FAE Exhaust Tip will have one or three holes in it. The hole closest to the boat is a drain. Do not attempt to cover it with the rubber hose. If present, the other two holes are for flappers (optional).



FAE Support Brackets – Power Wedge 1 – 2006-2014

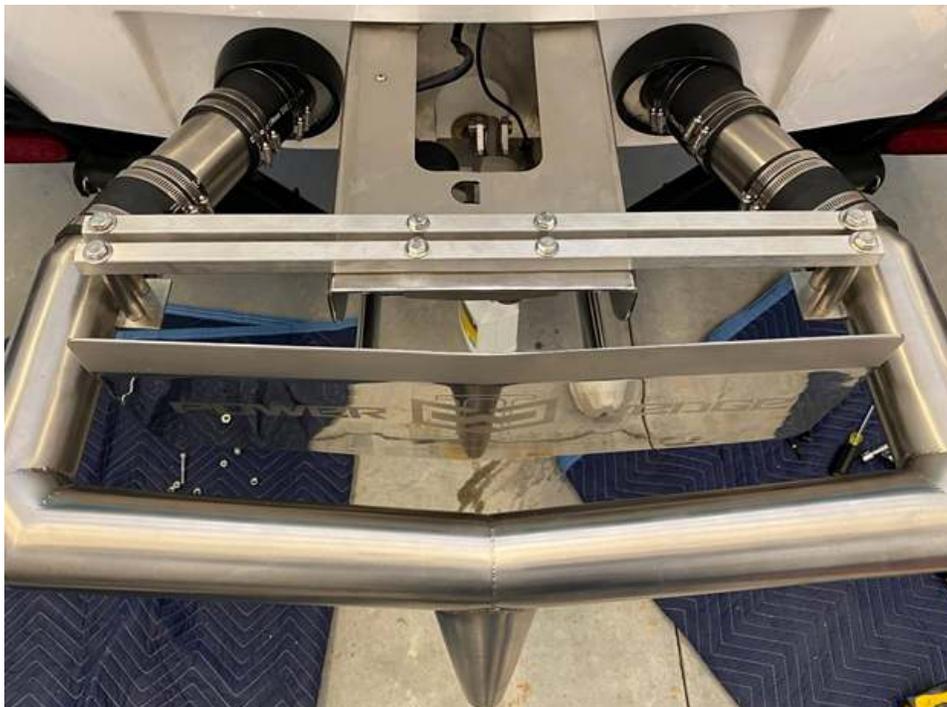
The Power Wedge 1 has one FAE square tube bracket. Bolt the bracket in place on top of the Wedge Housing. You will use the outer two bolts only. Do not loosen the middle four bolts. We have supplied longer bolts.



The square tube will need to be raised above the two bolts in the middle. We have supplied two nuts that are large than the bolts. These nuts are simply placed over the bolt (see red circles in drawing). You can mount the bolts facing upwards or downwards.

FAE Support Brackets – Power Wedge 2 – 2015

The Power Wedge 2 has two square tube brackets. Bolt the brackets in place on top of the Wedge Housing. Only install one bracket at a time. Always leave the other two bolts tight; otherwise you can mess with the Wedge adjustment. After the first square tube is tight, then remove the bolts for the other square tube. It does not matter which square tube you install first; but only one at a time. We supply longer bolts.



The Long All-Thread Bolts

On the PW1 there are 2 bolts, 2 cover sleeves and hardware. These do not need to be cut.
On the PW2 there are 4 bolts, 4 cover sleeves and hardware. These do not need to be cut.
Connect the FAE to the FAE brackets.

Both Power Wedge FAE

Between the FAE Flange and the FAE there is one straight piece of tube on each side. The four-rubber hose are the same length. Just center the tube and position the rubber hose equally. Position the hose clamps so that the screw heads are facing inside (as shown above). This just looks better.

Final Step

Once everything is in place and aligned, the trim tab clearance verified, install the Nyloc nuts (remember to use oil and turn slowly). It is now okay to loosen any of the hose clamps to reposition them, so they are evenly spaced and parallel. Position the hose clamp screw heads so they are hidden towards the middle/inside of the FAE. Verify that all the hose clamps are tight. Remove the plastic wrap and blue tape. Give your FAE a final inspection; you should be able to firmly push and pull on the downpipe without much movement.

It is recommended that you spend your first outing on the water at wake surf speeds (below 15 mph). After your first outing, double check that all bolts and hose clamps are tight before going faster.

If you have questions after reviewing these instructions, we are available by phone or email for support. Before you call, please be ready to send pictures by text message.

FAE Care

Clean and maintain your FAE just as you do the fiberglass on your boat. Coat your FAE with polish or wax if you wish. The brushed stainless finish can be “polished” with a ScotchBrite pad (sold in most grocery stores and hardware stores) or 3M #7447 ScotchBrite pad (available from hardware stores and online). Never use steel wool (or SOS Pad) as that will cause your FAE to rust. Inspect your FAE periodically; it is so quiet you may forget it is there.

The greatest compliment you could give us would be to tell your friends and community (in person and online) about the safety and quiet of FAE. Thank you and welcome to the FAE family!