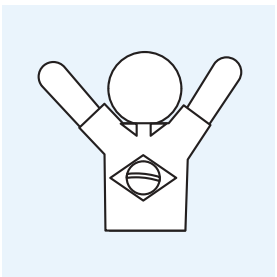
Fresh Air Exhaust Installation Instructions for Malibu & Axis boats with single exhaust outlet and power wedge II

Used for most single exhaust outlet with Power Wedge II



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.

Page 2 Tools and Supplies Needed

Page 3-6 Fresh Air Exhaust Installation

- Installing the square tube
- Removal and install of flange
- Install of the FAE System
- Fill out warranty card

"Scan for installation video" "Support bracket/mounting for your FAE may differ than what is shown in video. See additional instructions for more information."

Tools and Supplies Needed

- 1/2” wrench
- 1/2” sockets, standard and long Socket wrench and extension
- Phillips Screwdriver
- 5/16” nut driver, or 5/16” socket

May need:

- Drill Motor with bits 5/16” and 9/32”

Supplies:

- Silicone Sealant
- Anti-Lock grease (we supply)
- Parts:
- (4) longer bolts & (2) shorter bolts A bunch of washers and nuts
- (2) hose clamps & (1) rubber hose

Hardware included with your FAE

Extra support bracket welded on to the FAE
(2) 8 ¾” Brackets with 3 holes drilled/slotted holes
(4) 5/16-2” Bolts
5/16 – 24 washers, 4 nuts, 4 nylocs
(1) 3 ½” x 4 ½” Hose coupling
(2) #56 T Bolt Hose Clamps
(4) #12 1” screws for Flange
(4) #12 washers for Flange
(1) SF 3.5 Flange with or without a flapper welded in
(4) Black end caps

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Unpacking the FAE

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. Most instructions can be downloaded from our website at: www.FreshAirExhaust.com

There are lots of packaging peanuts, so have a clean garbage bag ready to dump them into. Keep the peanuts and shipping box in case the FAE needs to be returned (typically no but if something is not correct, we will make it right). 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 cleaner. If any hose clamps have blue tape wrapped around them, for now, leave those hose clamps alone.

Installing Tube to Wedge Housing

Prior to beginning install do a dry fit to make sure FAE is aligned properly.

There are 4 bolts on top of the Wedge housing.
Only loosen 2 at a time, or wedge unit will fall!

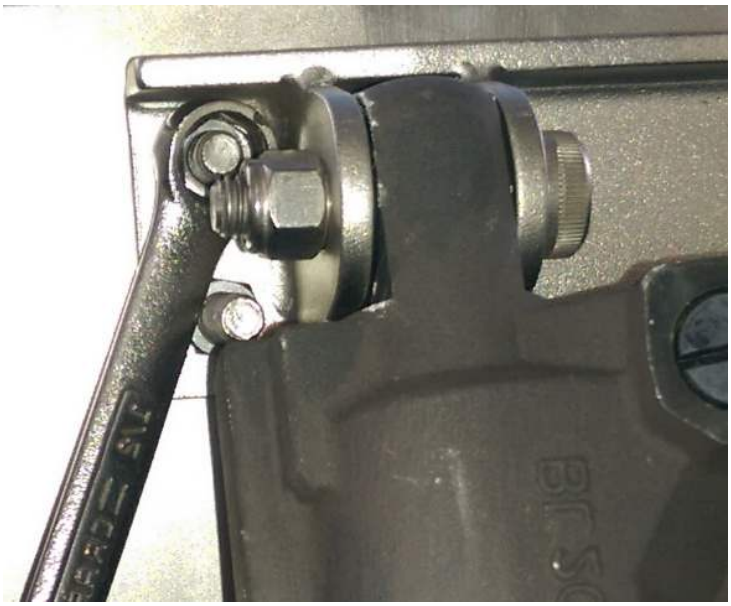
This is what the brackets will look like when completed.

Install one square tube and tighten, then the second

If your square tubes have slots as shown, use 2 washers. If no slots then use 1 washer. Position the square tubes so the slots are centered on the bolts.

If you need help during installation, please call or text Support at 512.789.6266

For the fore port bolt, position wrenches as shown in picture on left below.
For the aft port bolt, use the socket and long extension from below.
For both starboard bolts you need to use the wrench on the underside.
The picture below shows the starboard bolts and a wrench (looking from the underside of the wedge housing).



Use the plain nuts at this stage.

You will install the four longer bolts through the square tubes. Use the packet of anti-seize grease on the bolt threads. It is messy but will minimize the bolt from locking up.

If the hole is tight because components of the wedge are slightly mis-aligned, drilling the hole to size will help. Start with the smaller bit. Be careful as it is easy to snap the drill bit doing this.

3 Install of flange and FAE

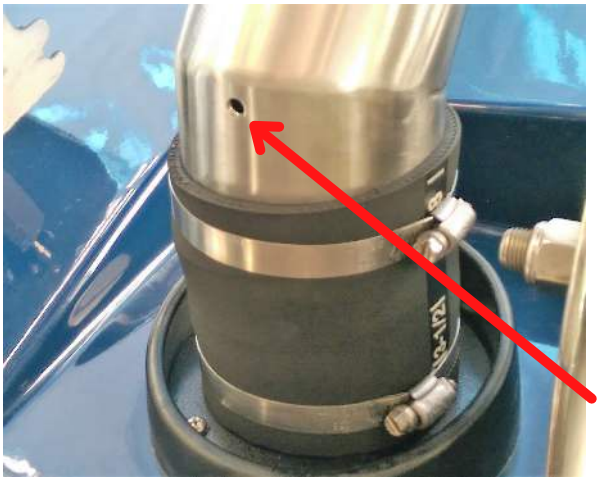
If your boat has a turndown tip, See: Exhaust outlet removal/ install instructions.

Now remove the flapper and replace with the FAE flange. Use sealant on all 4 screws and tighten. Next install the rubber hose and 2 hose clamps but leave the outer clamp loose.

You will insert the FAE into the rubber hose as shown above and rotate into position.

Before installing the FAE, remove the 2 port bolts only from the square tube. Once the bolts are removed, rotate the FAE into position and replace the bolts and tighten as before.

If the FAE downpipe is not centered on the wedge, the square tubes can be moved port or starboard to position the downpipe in the center. Again, only loosen either the fore or aft pair of bolts at a time.



Position the hose clamps as shown in this picture with the screw heads facing down and on the inside (towards the center of the boat - they just look better there). You will need to tighten them with a 5/16” nut driver or socket; a screwdriver may not be tight enough.

Yes, there is supposed to be a hole in the bottom of the FAE near the rubber coupling. It is a drain hole. Do not try to cover it with the rubber hose.

FAE bolted onto the wedge housing with the downpipe vertical and centered.

In this picture, the FAE is slightly rotated clockwise. If your FAE is not perfectly vertical, you can use washers to raise the square tube.

When completed, you will have the flapper assembly and the four short bolts you removed from the top of the wedge housing. We suggest you put these parts in a plastic bag and put somewhere in your boat in case the FAE should ever be removed.

Once everything is in place and aligned and the trim tab clearance verified, install the Nyloc Nuts. 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.

Clean and maintain your FAE just as you do the fiberglass on your boat. The brushed stainless finish can be “polished” with a ScotchBrite pad. We use the maroon colored ScotchBrite. Never use steel wool (or SOS pad) as that will cause your FAE finish to rust. Inspect your FAE periodically; it is so quiet you may forget it is there.