

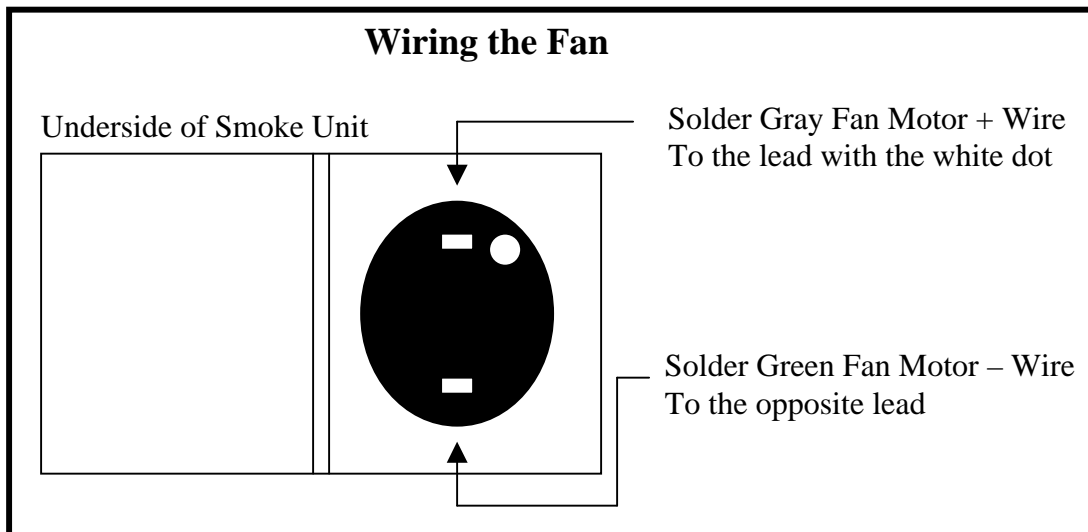
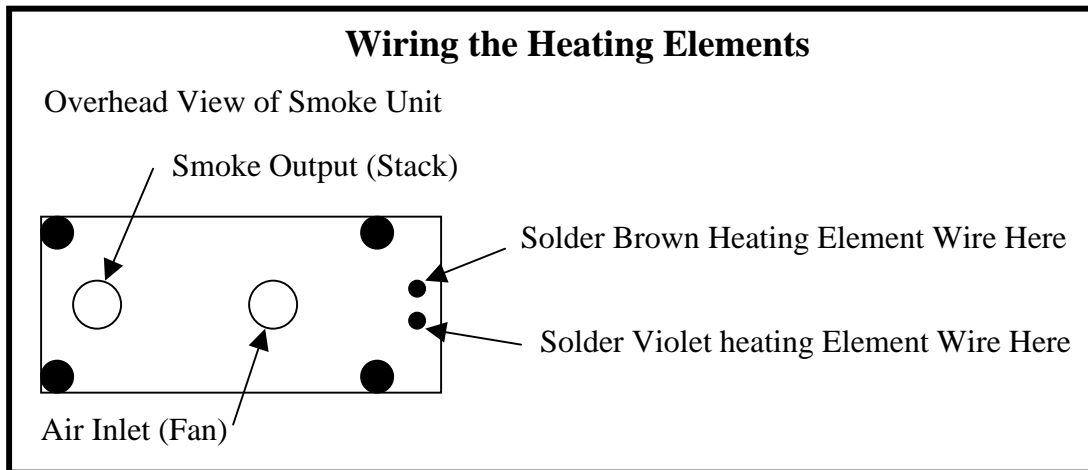


TAS-2006 Protosounds 2.0 Fan Driven Smoke Unit Installation Instructions

Kit Contents; 1 Fan driven smoke unit, 4 self tapping screws

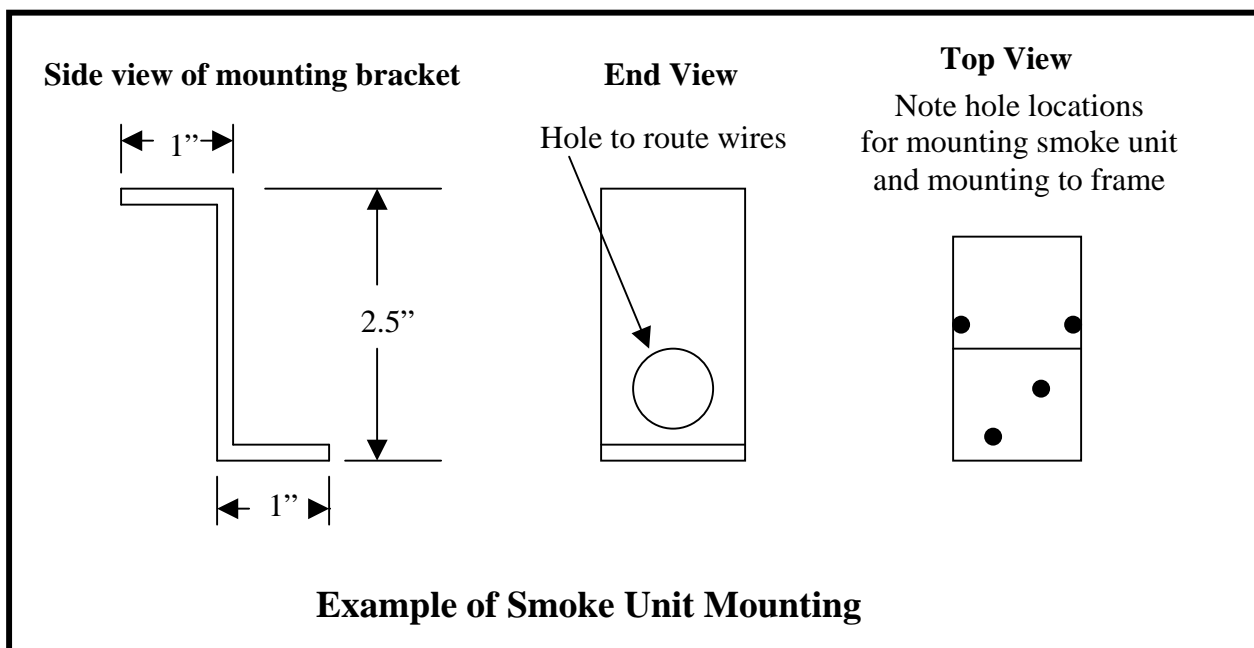
NOTE: This smoke unit is for the exclusive use of conversions with Protosounds 2.0 electronics. It is not intended for use with any other electronics! Use of this unit with any electronics OTHER THAN Protosounds 2.0 will void the warranty.

This smoke unit includes dual heating elements rated at 16 Ohms each. These are the same value as MTH Fan Driven smoke units. Wiring the smoke unit is quite simple. Please follow the instructions below for details on how to wire the unit, using the MTH Protosounds 2.0 installation kit wiring harness color codes.



You will need to fabricate a mounting bracket for this smoke unit. We recommend using brass sheet, aluminum sheet stock or brass stand off's (available from MTH). You can use any of the 4 screw holes in the bottom of the smoke unit to attach your mounting bracket. We have found the best mount to be a small piece of brass sheet stock, approximately 1 inch wide x whatever the required height is (plus 2 inches). For instance, if the required height is 2.50 inches the sheet stock would measure 4.5 inches long x 1" wide, thickness really makes no difference, the thicker the material the harder it will be to bend.

We recommend making the bends while the sheet stock is mounted in a clamp or even using a break, if you have one at your disposal. The bracket design will be dependent upon where it is going to be mounted more than anything. The diagram below illustrates what a typical diesel installation bracket would look like.



Regardless of the design of your mounting bracket DO NOT drill any additional holes in the smoke unit casting, as permanent damage will occur. The smoke outlet hole measures at 3/16" and will easily accept a small piece of 3/16" O.D. Brass Tubing as a stack. The plated hole will allow you to solder the brass stack to the top of the smoke unit PCB to firmly hold it in position.

NOTE: Ensure the heating element leads do not contact the shell of a die-cast locomotive or a short will occur and permanently damage the PS 2.0 electronics and potentially the smoke unit as well. If your mounting position looks like the heating element leads will touch the shell please install some double sided tape or electrical tape or similar insulating material between the smoke unit and the locomotive shell.

For technical assistance, please contact TASTudios at 330-533-7181 Monday-Friday 9a.m. to 5p.m. EDT. You can also reach us by email at mike@tastudios.com.