



04-013B
2 May, 2007

HOW TO INSTALL A THERMAL PAD INTO A M400E OZONE TOWER

I. PURPOSE:

This procedure describes how to install retrofit a M400E analyzer's ozone tower with a thermal pad to increase heat transfer to the ozone tower. This is to prevent the PCB from getting to hot and the heater failing.

II. TOOLS:

Phillips head screwdriver

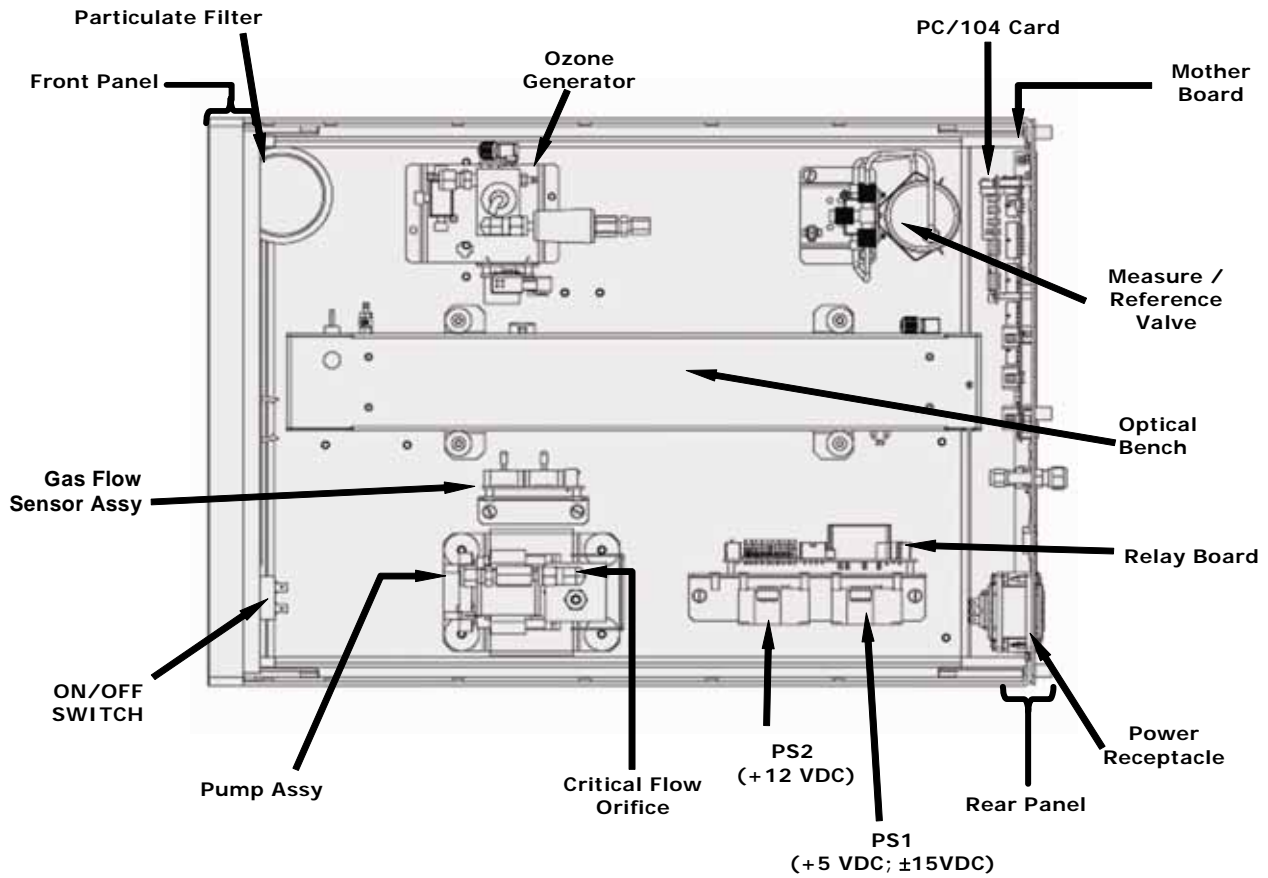
III. PARTS:

HW0000328

IV. PROCEDURE:

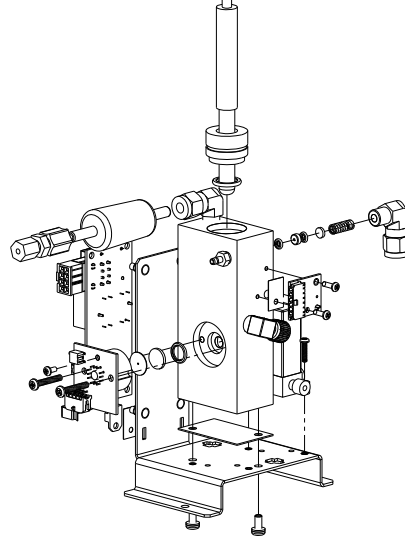
- 1.) Turn power off to the analyzer and unplug it.
- 2.) Remove the screws holding the cover and remove the cover to the analyzer.
- 3.) Locate the Ozone Generator. See Fig 1.
- 4.) Locate the Heater board. See Fig 3.
- 5.) Disconnect the J1 connector on the heater board.
- 6.) Remove the two Phillips head screws holding the heater board in place.
***NOTE* Make sure that the metal face of the heater is facing the ozone generator, not the PCB. If it is facing the PCB please contact API customer service.**
- 7.) With the lower of the two screws still in the heater board but unattached from the ozone tower, slide the hole on the thermal pad onto the screw. Rotate the pad until it covers up the entire face of the heater. See Fig 3 for proper installation
- 8.) Making sure that the pad doesn't slip or rotate any, screw both screws into the heater board back onto the ozone generator and make sure they are tight.
- 9.) Reconnect J1, replace the cover to the analyzer, power the analyzer back up and make sure that the O3 GEN LAMP TEMP increases to 58deg C.

FIGURE 1

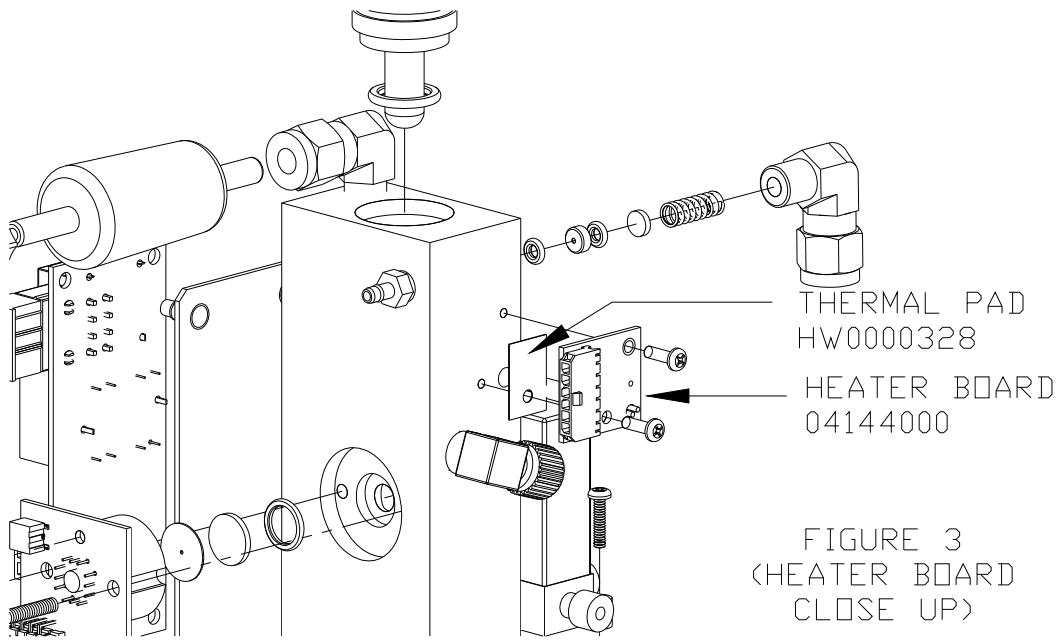


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FIGURE 2



OZONE GENERATOR



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