



95-012C
2 May, 2007

FIELD INSTALLATION OF IZS OPTION IN THE MODEL M200A ANALYZER

I. PURPOSE:

This note provides instructions on the installation of the IZS and perm tube oven into a TAPI 200A NOx analyzer in the field.

II. SCOPE:

Model 200A NOx analyzer

III. TOOLS:

Flat blade screwdriver
7/16 open-end wrench
9/16 open-end wrench
Diagonal cutters
Exacto knife

IV. PARTS:

KIT000055

V. PROCEDURE:

1. Drop the back panel by loosening the two self-captive screws and lowering the panel.
2. Loosen the four self-captive screws holding the Moly converter to the instrument chassis.
3. Lift the Moly converter up and cut the tie wrap on the gray cable, allowing it to pull out to full length. Stretch the gray cable to its full length.
4. Cut the heat shrink tubing off of the end of the gray cable.
5. Re-attach the Moly converter to the instrument chassis and tighten the four self-captive screws.
6. Drop the oven assembly with valves behind the Moly converter. Location shown in FIGURE 6.
7. Connect the 4-pin connector to the corresponding 4-pin connector on the IZS oven assembly.
8. Connect the 5-pin connector to the corresponding 5-pin connector on the IZS oven assembly.
9. Tighten the two self-captive screws on the IZS perm tube oven assembly to the instrument chassis.
10. Locate the vacuum manifold and remove the plug next to the 10-mil orifice. Shown in FIGURE 1.
11. Install the 3-mil orifice as shown in FIGURE 2.
12. Connect the 3-mil orifice to the OVEN OUT port on the permeation tube oven. Shown in FIGURE 3.
13. Connect the tubing from the ZERO AIR inlet port to the OVEN IN port on the permeation tube oven. Shown in FIGURE 3.

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14. Connect the tubing from the particulate filter to the COM port of the ZERO valve shown in FIGURE 4.
15. Connect the tubing from the Sample inlet port to the NO port of the ZERO valve as shown in FIGURE 4.
16. Install the two (2) ZERO AIR SCRUBBER brackets on to the rear panel.
17. Install the ZERO AIR SCRUBBER to the ZERO AIR inlet on the rear panel. Place the scrubber into the brackets on the rear panel as shown in FIGURE 5.
18. Leak check the analyzer. See Section 9.3.10.1 of the M200A Operators manual.
19. If you have AMX software, skip to step 24.
20. Press SETUP-MORE-VARS.
21. Enter password "929" and press ENTER.
22. Press JUMP and enter the number "8". Press ENTR.
23. Press EDIT and enter the number "2". Press ENTR.
24. **FOR AMX SOFTWARE ONLY.**
25. Press SETUP-MORE-VARS.
26. Enter password "929" and press enter.
27. Press JUMP and enter the number "110". Press ENTR.
28. Press NEXT until you see "FACTORY_OPT". Press ENTR.
29. A number will be displayed. You must add 16 to that number and press ENTR.
30. Press EXIT until you are in the main menu.
31. Cycle power on the analyzer.

FIGURE 1.

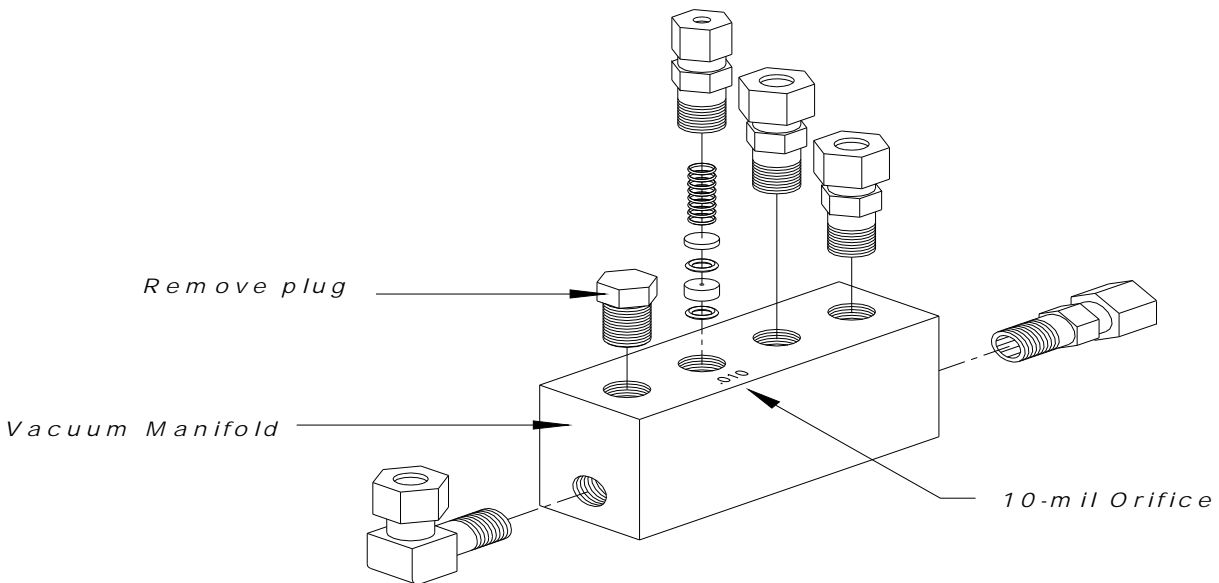


FIGURE 2.

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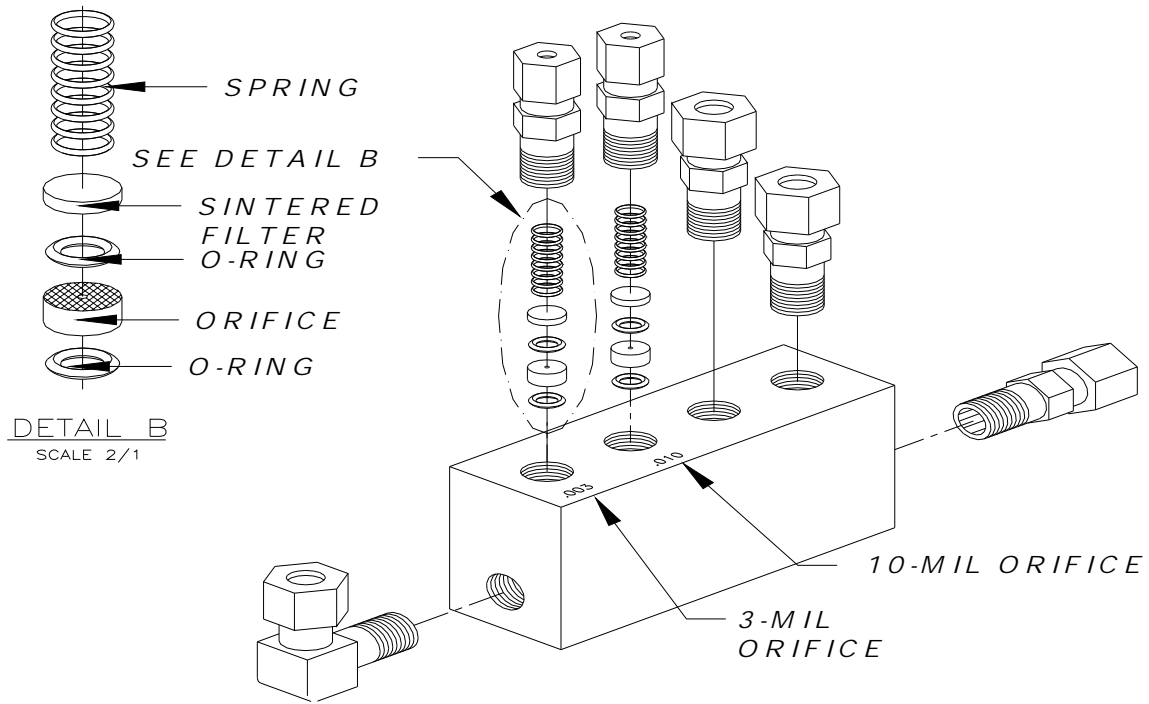


FIGURE 3.

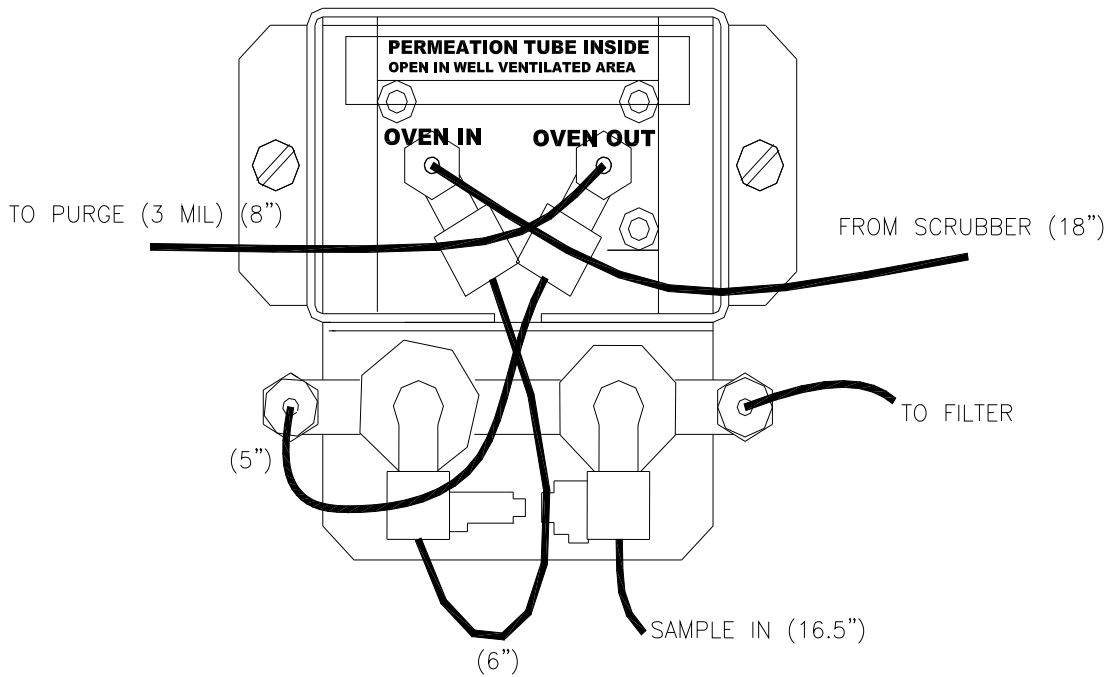


FIGURE 4.

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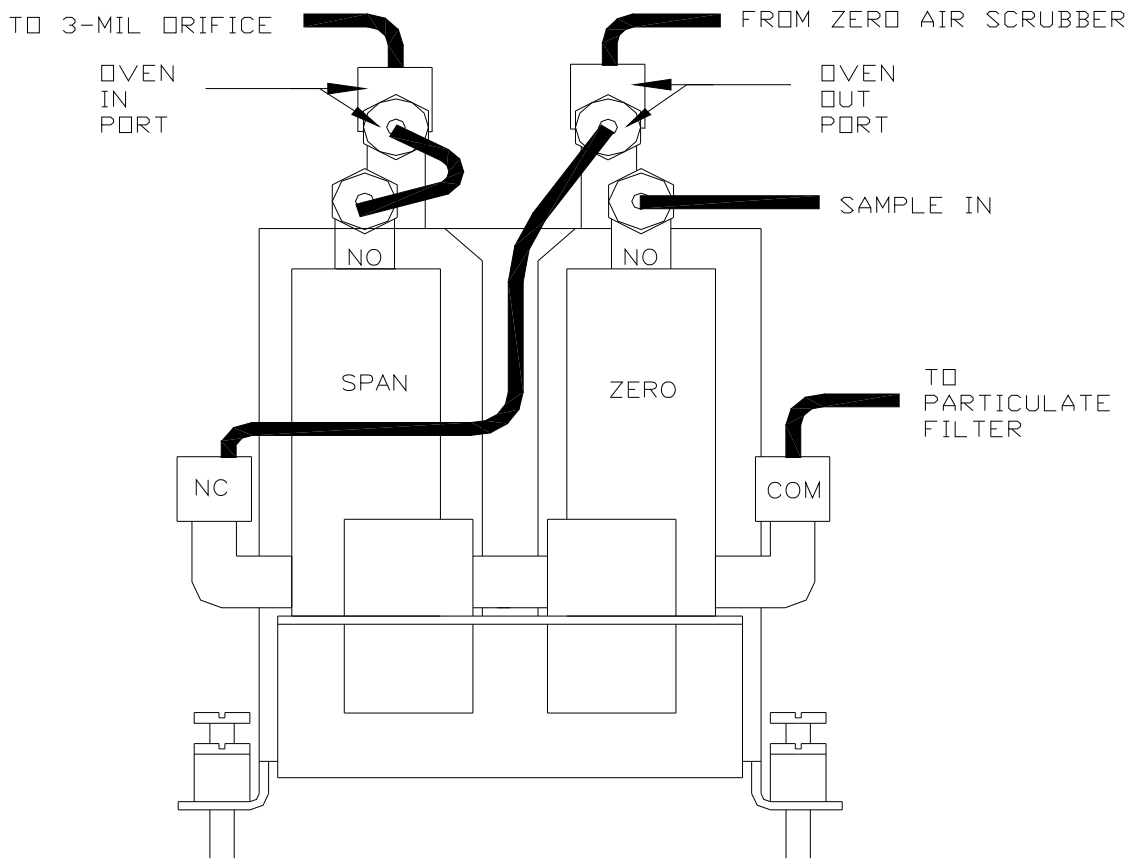
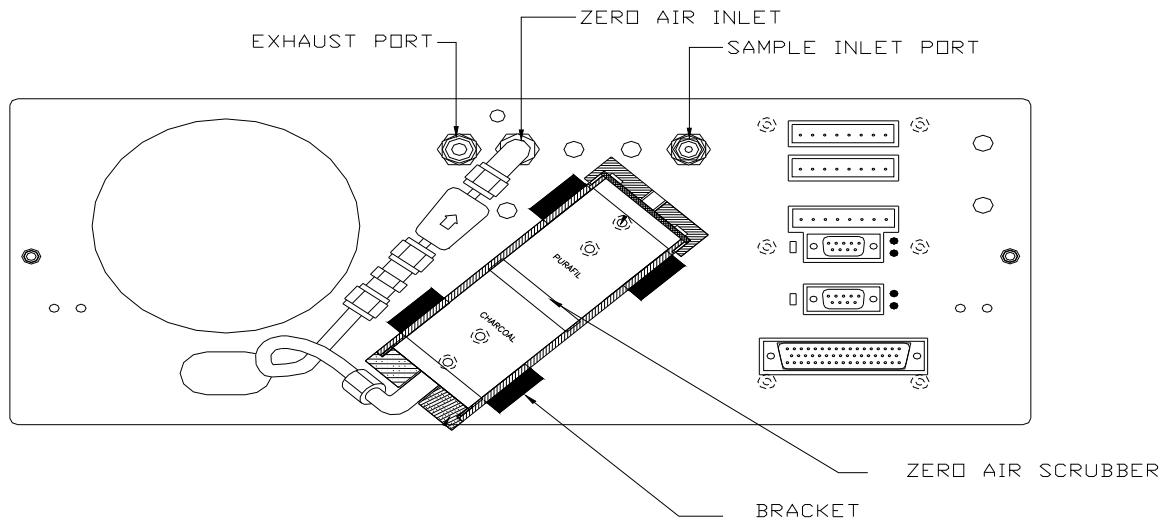


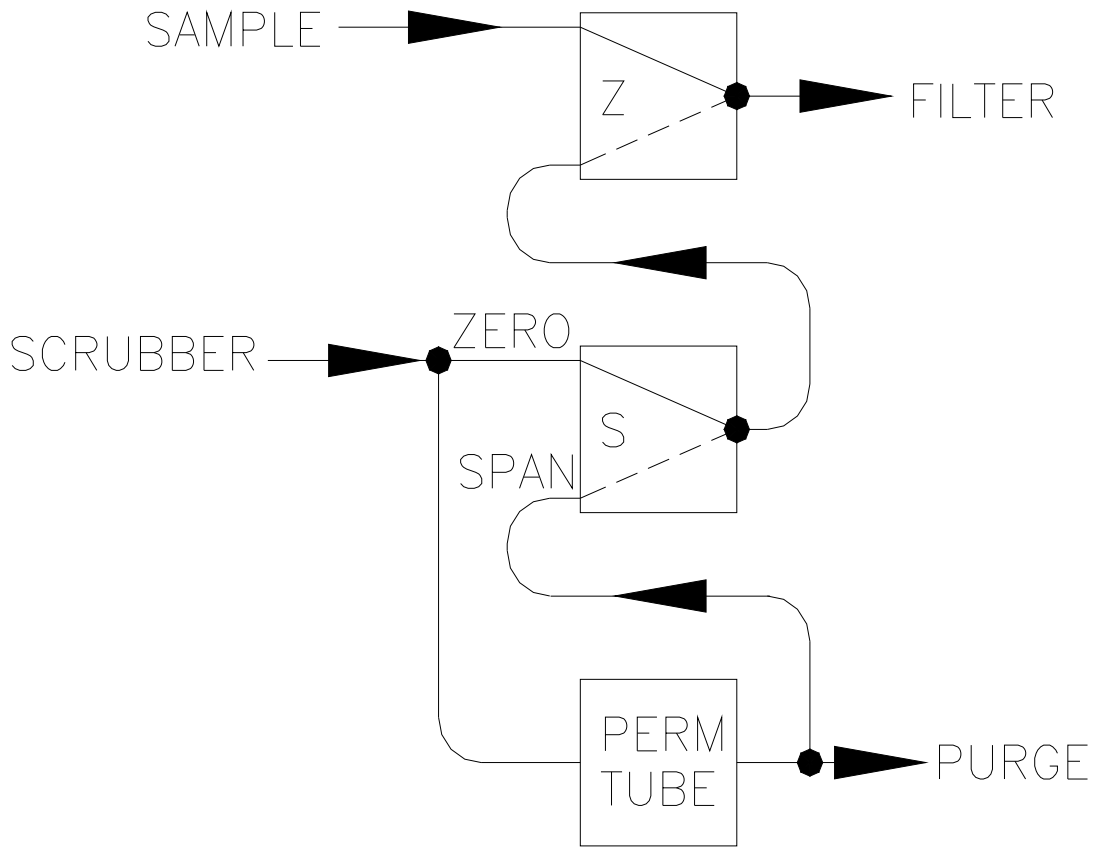
FIGURE 5.



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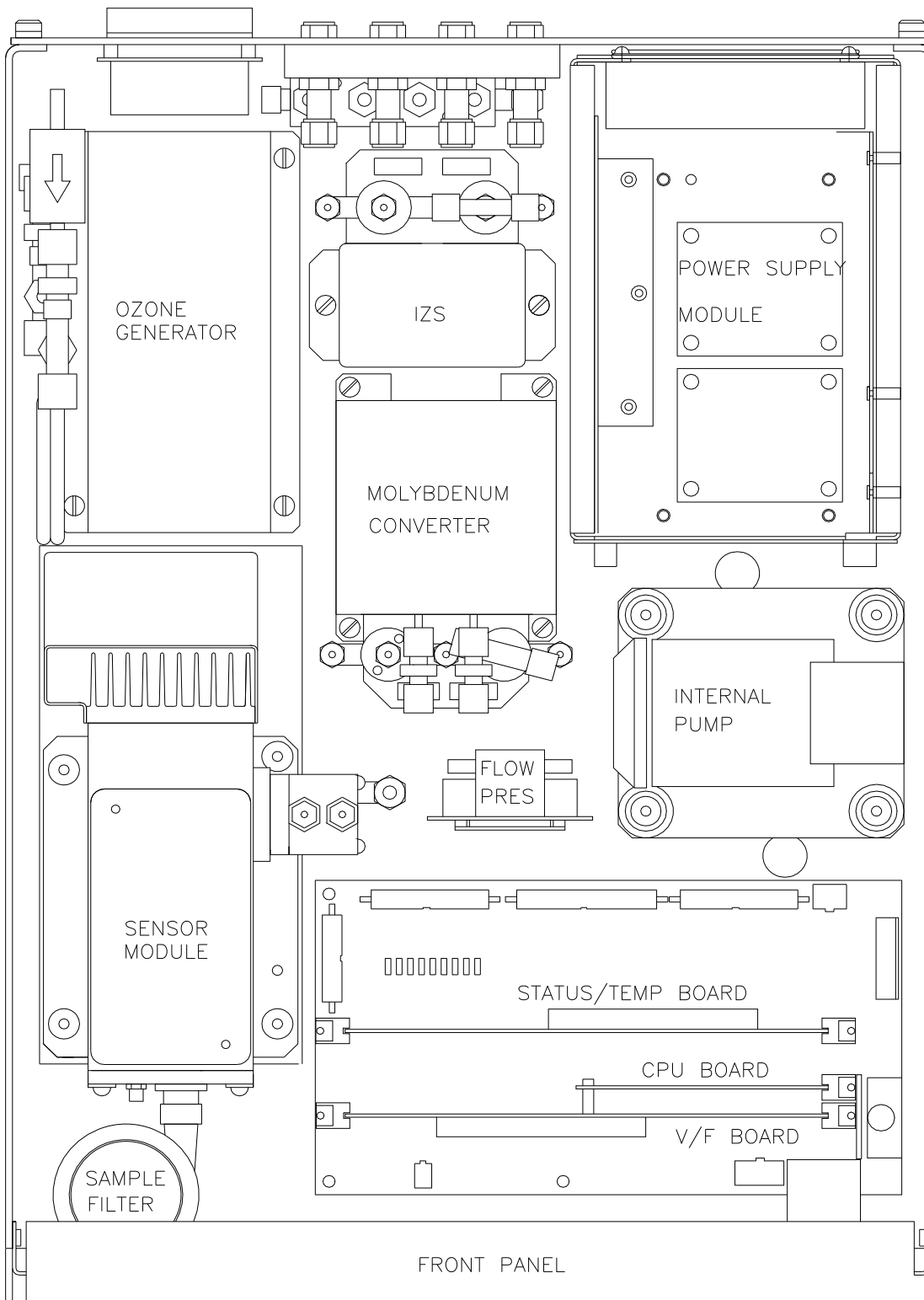
FLOW DIAGRAM



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M200A ASSEMBLY LAYOUT

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