



02-041B
2 May, 2007

INSTALLING A MOLY CONVERTER INTO A M200AH

I. PURPOSE:

To provide instructions on how to install a Moly converter into an M200AH NOx analyzer & how to configure the firmware so that it controls the temp of the Moly converter to the proper 315°C.

II. TOOLS:

7/16" wrench
1/2" wrench
#2 Phillips head screwdriver

III. PARTS:

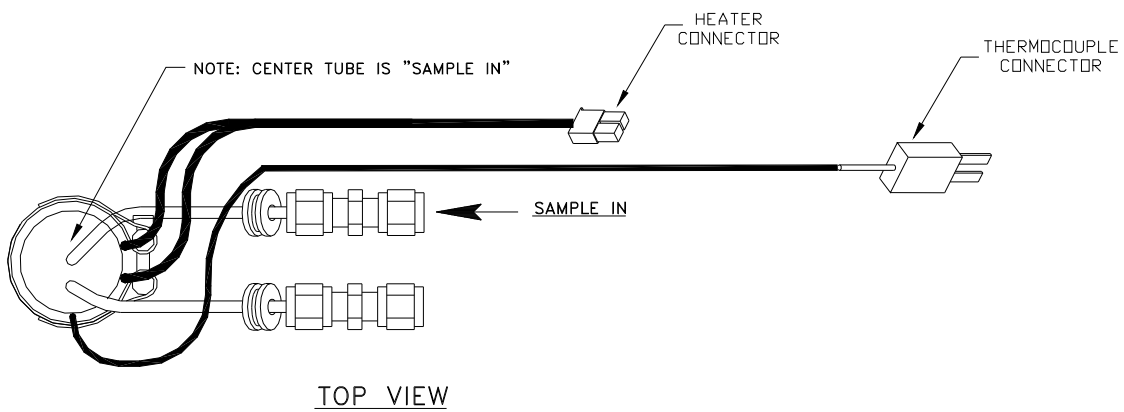
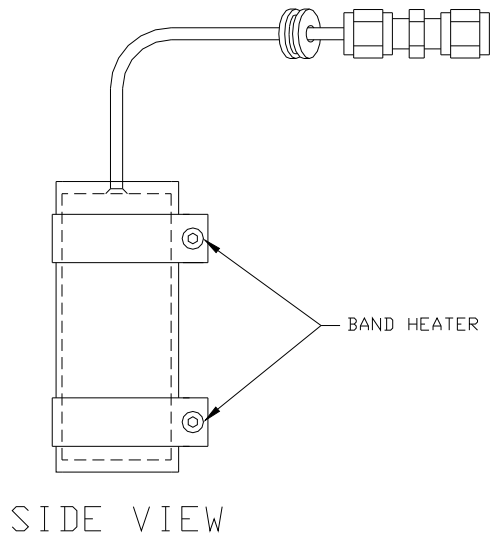
Either one of the parts below:
KIT000106 (Guts only assembly (conv, heater & TC))
022840400 (Guts assembly in box with insulation)

IV. PROCEDURE:

WARNING: THE CONVERTER CAN REMAIN HOT FOR SEVERAL HOURS AFTER YOU REMOVE POWER FROM THE ANALYZER. REMOVE THE COVER FROM THE ANALYZER & ENSURE THAT THE CONVERTER IS COOL BEFORE YOU TOUCH THE CONVERTER.

1. Turn the analyzer off & remove the power cord from the rear of the analyzer.
2. Remove the cover from the analyzer & allow the old converter to cool completely before you remove the it from the analyzer.
3. Trace the Thermocouple from the converter to the status temp card. Disconnect the thermocouple from the status temp card at J2.
4. Follow the heater wires out of the converter down to the electrical connector & disconnect the converter.
5. Disconnect the two tubes from the converter at the converter.
6. Remove the old converter from the analyzer, again being careful not to get burned by the hot converter.
7. Install the new converter into the analyzer, in reverse order of removal.
8. Connect the 1/8" lines to the converter.
9. Connect the thermocouple to the status temp card & the heater wires to the connector below.
10. Leak check the machine to ensure that it is leak free.
11. Turn the machine on, once the CPU has booted up, push the following buttons, SETUP-MORE-VARS-929-ENTER-NEXT until you come to the VAR that says CONV_TYPE. This should say MOLY. If it does not, push EDIT & change it to Moly & push ENTER. Now push the EXIT button until you get to the main menu.
12. Wait 10 seconds, then turn the machine off , wait 10 seconds & turn the machine on again. Now watch the temp on the converter it should get to 315°C & stay there.

13. If the Moly temp overshoots the 315°C target & continues to climb past 315°C, turn the machine off & contact the API technical service department.
14. Connect your pump to the analyzer & calibrate the instrument as you normally would.



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