



**98-032 Rev B  
2 May, 2007**

**M300 POWER SUPPLY MODULE VENT COVERS**

**BACKGROUND:**

API designed the Power Supply Module (PSM) for the M300 with 2 vertical sets of vent holes on each side of the cover. It has been found that the placement of the regulator for the +12VDC which supplies the source is such that air passing through the PSM does not blow across this regulator. This can cause the source to turn off intermittently or, worse, cause the source voltage to wander which varies the intensity of the source. This causes the analyzer to become quite noisy. The fix for this is to block the second vertical set of vent holes. This forces all the air to flow through the first set of vent holes and across the regulator.

**PARTS:**

API Part # KIT62

**TOOLS:**

#2 Phillips head screwdriver

**PROCEDURE:**

1. Remove cover and power from analyzer.
2. Remove 4 screws holding PSM cover. Remove cover.

**NOTE: Refer to attached drawing for the next 2 steps.**

3. Attach tape around the edges of the vent covers supplied in the KIT.
4. Remove backing from tape on vent covers and install the covers on the inside of the PSM cover. Be sure to block the 2<sup>nd</sup> set of vents, furthest from the end of the cover.
5. Install the PSM cover.

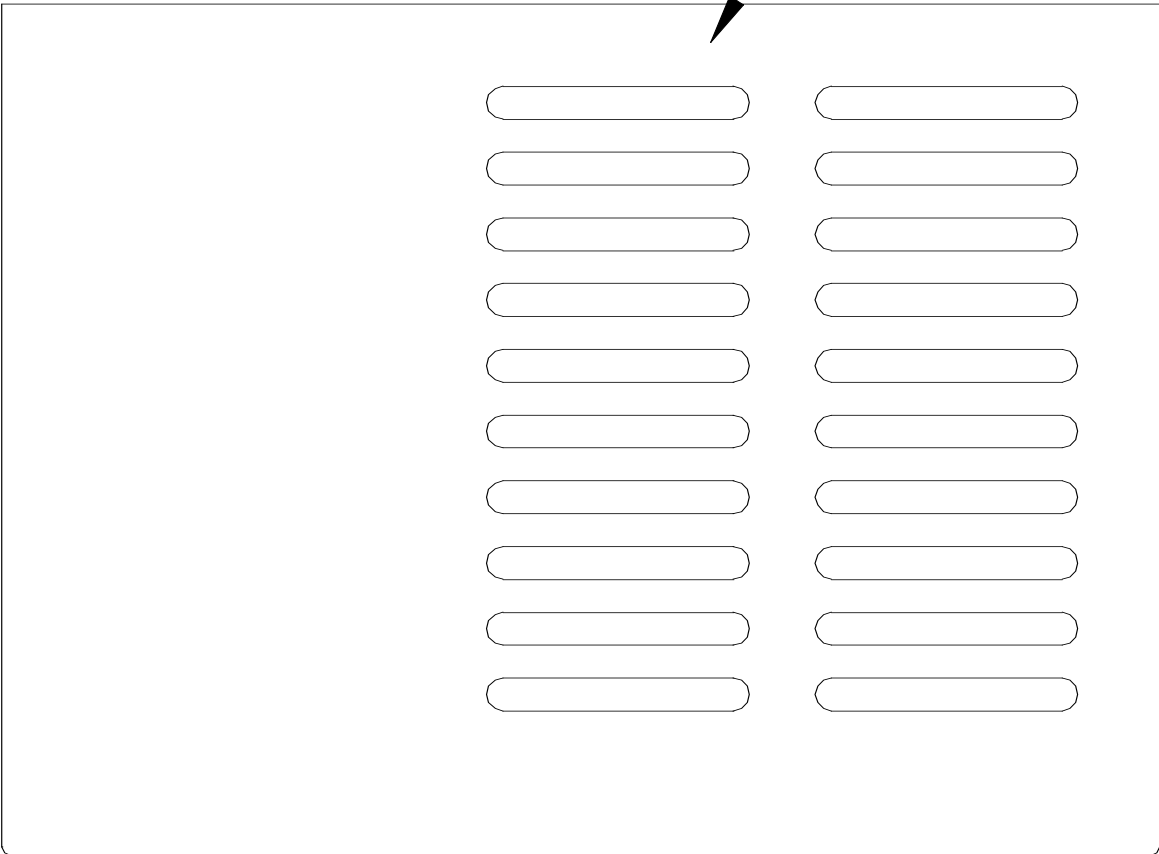
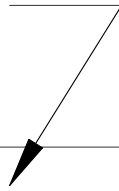
If you have questions about this or any API equipment, please contact an API Customer Service Engineer.

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STEP 4



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