Service Note

98-017 Rev B
2 May, 2007

UPGRADING THE M400 PSM TO THE NEW STYLE RELAY BOARD

I. SCOPE:
This document provides instruction for modification of the 00551 Power Supply Module for the M400 to accept the new style relay card.

II. PARTS:
API PN#KIT000050

III. TOOLS:
#2 Phillips Head screwdriver
Needle nose pliers
Diagonal cutters

IV. PROCEDURE:
A. Remove power to the analyzer.
B. Remove the cover from the analyzer.
C. Remove the Power Supply Module, (PSM), from the analyzer.
FOR THE FOLLOWING STEPS REFER TO ATTACHED DRAWING!
D. Remove the cover from the PSM and locate the Fin Assy.
E. Remove the screws holding the Fin Assy. to the bottom of the PSM.
F. Move the Fin Assy. away from the PC Board (PCB).
G. Remove 3 connectors from the PCB.
H. Remove the 4 screws from the PCB. **NOTE:** On newer assemblies, the bottom two screws are longer. These screws go through the PEM nuts on the PCB and 2 ground straps are attached to these screws with nuts.
I. Remove the PCB. Mount the new PCB into the chassis, being sure to mount the ground straps if needed.
J. Cut the tie wrap holding the Capacitor to the Fin Assy.
K. Remove the screw holding the green wire from the Cap to the Fin Assy.
L. Using the #4 screw and washer from the KIT, attach the green wire to the Fin Assy. on the hole shown on the attached drawing.
M. Mount the tie wrap holder included in the KIT flush against the PEM nut shown on the attached drawing.
N. Use the tie wrap included in the KIT to mount the Cap to the Fin Assy. as shown in the attached drawing.
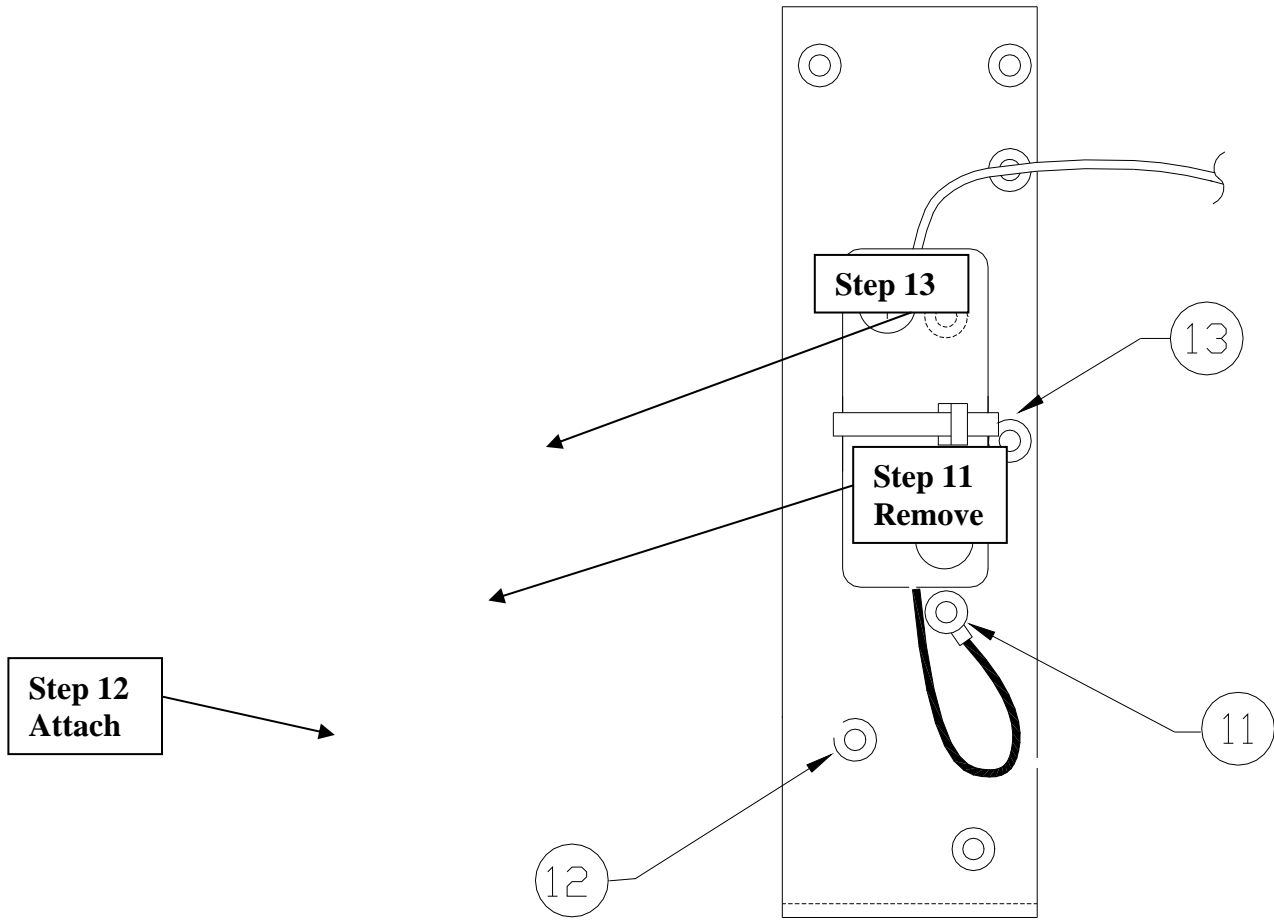O. Assembly is the reverse of removal.

P. Apply power to analyzer and allow it to warm up for ½ hour. Clear all warnings. If Temperature warnings recur after clearing, please contact API.

Step 13

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**Step 11
Remove**

**Step 12
Attach**

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