

# Hammond Service News

Volume 4 Number 5

Model Porta B

SUBJECT: #1 Organ dead

#2 Low level ciphers

#1 When organ is turned on, power is applied to generator and all tubes light up. There is no sound from organ regardless of drawbars used. This problem has been traced to poor contact on pin 17 of 32 pin connector. It appears to be ok on visual inspection. However, by using a small needle scribe, bend the contact on the male plug slightly outward just enough to insure a good contact when the plug is reinserted. This same procedure could be used on some other malfunctions where the 32 pin connector is involved.

#2 With organ on and expression pedal full, undesirable ciphers can be heard. The effect is similar to many various notes being held down together except at low level. This problem was due to exposed wire ends located at the right end of the drawbar assembly that were puncturing the piece of insulating felt, thus touching the trim strip. This was in effect, grounding one or more drawbar bus lines. To remedy this, cut off the wire ends located underneath the felt insulating pad, flush with the soldered eyelet. (In extreme cases, additional insulation may have to be added, such as a small piece of fish paper.)