



**UNITED
TECHNOLOGIES
CARRIER**

Commercial Division
Carrier Corporation

BULLETIN: CA-SB-19-D-88-109
DATE: 2/12/88
PAGE: 1 OF: 2

SERVICE BULLETIN

SUBJECT:

ESP REPLACEMENT PANELS

SUPERSEDE
BULLETIN:

DATE:
PAGE: OF:

Installation, repair and service and equipment referenced in this Service Bulletin should be undertaken only by qualified persons. Carrier Corporation (1) makes no representations or warranties, expressed or implied, concerning the accuracy, completeness or right to use the information contained herein, and (2) disclaims all liability for injuries, damages, infringements and other losses which may arise on account of, or which may result from, the use or application of any information, method or apparatus disclosed herein.

PURPOSE

This bulletin provides information on the identification and interchangeability of service replacement ESP's (Expanded Services Panel).

MACHINES AFFECTED

All Chillers with ESP

BACKGROUND

There is a new style ESP. The component layout is different and it does not have an option header receptacle.

These new ESP's are compatible with Eprom Kits HK98EZ012, HK98EZ013 and HK98EZ014 (refer to Bulletin CA-SB-19-D-87-106).

Note: The ESP II rear printed circuit board has three small pins located in a row near the POR switch. For proper operation of the panel the center pin and the pin furthest from the POR (see Figure 1) are connected by a small blue slip-on jumper block. The vendor puts the jumper on the two pins closest to the POR for his quality test after production and then is supposed to move the jumper before shipping the panel. If the jumper is in the "factory test" position the display will be blank when the panel is powered up. If an ESP II is found with the jumper in the wrong position, just power down and move it over to the two pins away from the POR and then power up.

Attachment (Figure 1)



SERVICE BULLETIN

SUPERSEDE
BULLETIN:
DATE:
PAGE: OF:

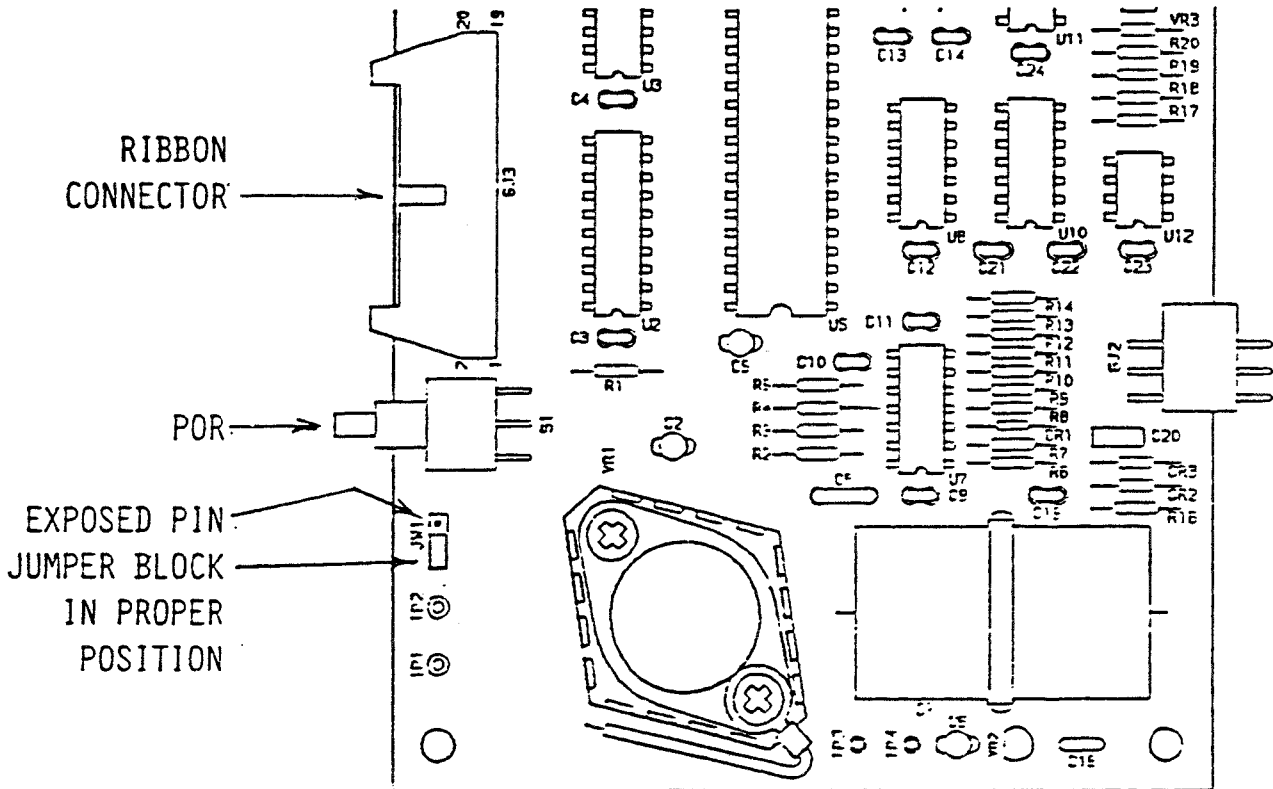


FIG. 1 REAR CIRCUIT BOARD OF ESP 11