

Title: **ESP REPLACEMENT PANELS**  
Models Affected: **All Chillers with ESP**

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

**Background:** Recently RCD shipped several new style ESP's as part number HK35EZ006. The component layout is different, and they don't have an option header receptacle; but they provide all the options and they function properly with existing EPROM's. The part number on the panel itself was HK35EZ013 on the first group. The next ESP's of this style will be marked as HK35EZ012 and will be stocked as the standard replacement for both the HK35EZ006 and HK35EZ010 ESP's.

These new ESP's are completely compatible with current software but have been modified to function with new software which will be introduced as ESP II early in 1988. A later bulletin will describe the features of ESP II and provide the technical details necessary to sell and install this control upgrade.


**Alert:** 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 Fig. 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. A few of the ESP II's were shipped with the jumper in the "factory test" position which results in a blank display 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.

File: Controls and Wiring

Attachment (Figure 1)

MAIL KEYS: 2.33D, 2.40B, 2.45, 2.53

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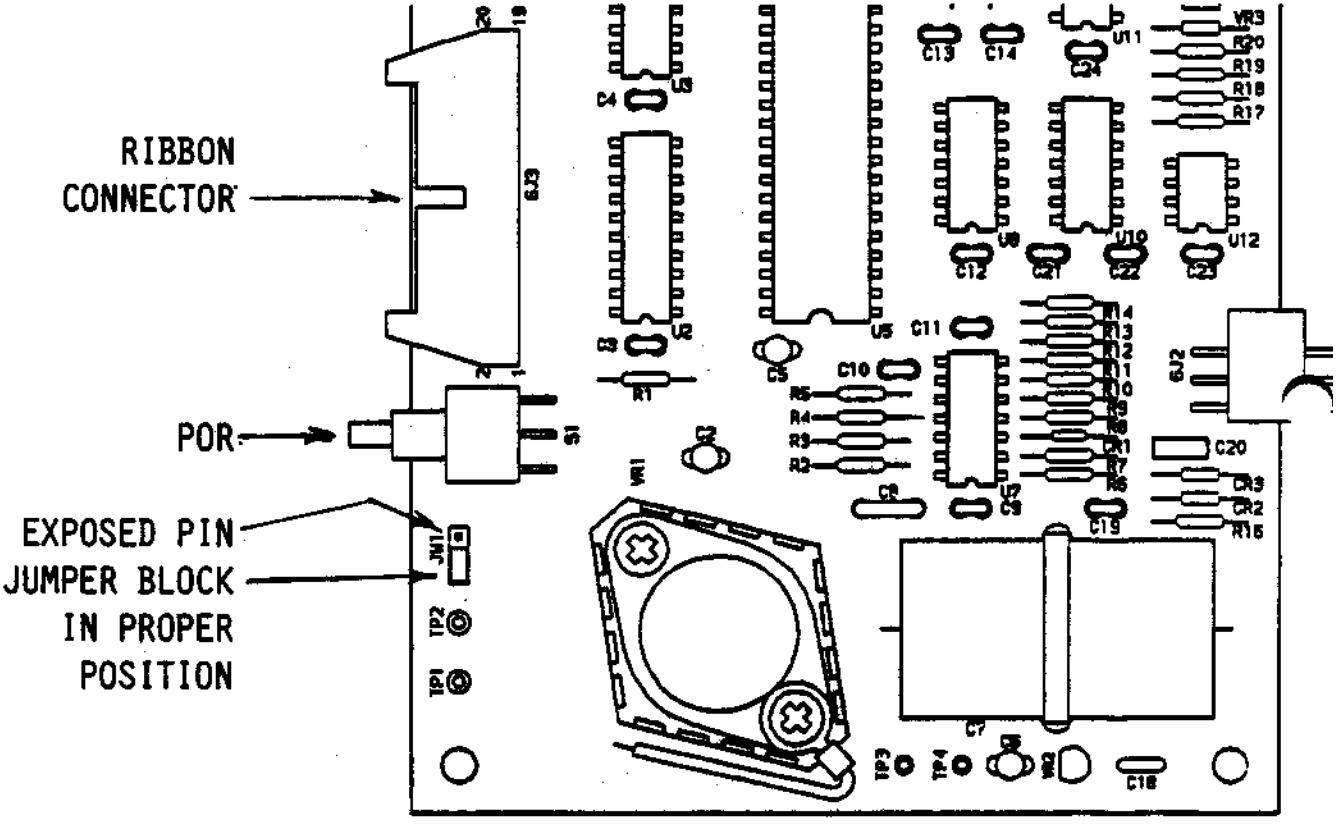


FIG. 1 REAR CIRCUIT BOARD OF ESP II