



72-030 Modification for using AugerScan 3.1.2 and later

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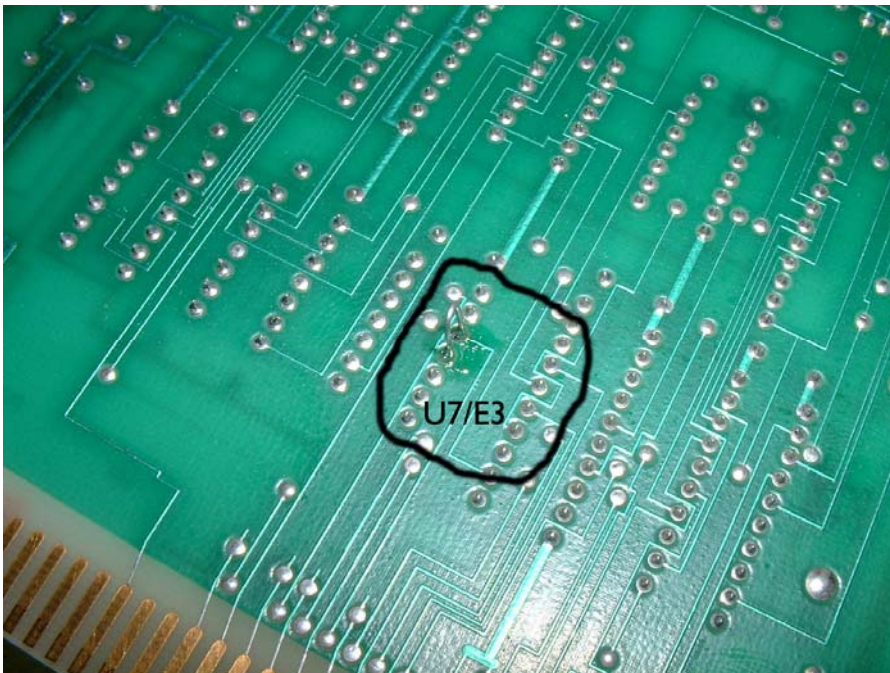
72-030 Neutralizer Control Board CSR modification - change to CSR 0 from CSR 1

Short these two pins (3 to 4) on the back of the board



View of U7/E3 74LS14 from top of 72-030 neutralizer control board.

U7/E3
IC Designation Location on Board



back of 72-030 board

72-030 Neutralizer Users: In order to support some of the newer PHI system configurations, it was necessary to make some changes to the control of the 72-030 neutralizer. The software interface remains the same. There are two changes to the hardware interface:

1. The 72-030 neutralizer control needs to be set to CSR "0" (It was previously set to CSR "1"). In order to set the CSR bit to zero, solder a jumper between pins 3 and 4 on U7/E3 on the back of the board. (See diagram and picture to the left.)

2. The 72-030 neutralizer control now needs to be connected to DR11 "C". (It was previously connected to "B"). Since the neutralizer was usually daisy-chained to another unit, you will need an additional 10' DR11 cable so that the 72-030 motherboard can be connected to DR11 "C" on the RBD 147 interface. *If you need a 10' DR11 cable, please contact tech@rbdenter.com.*