# SOLID STATE ORGAN SYSTEMS

Instructions for replacement of MultiSystem EPROM's

NOTE: EPROMS (System-specific program chips) are specific to each individual processor location within the system. Care must be taken to install the proper EPROM in the proper processor. With this shipment are EPROMS marked as shown for installation in the processor as shown (processors that are not shown do not require a change of EPROM):

Unplug all cables from the processor, wear anti-static strap, and:

1. Remove the two machine screws adjacent to the multi-pole **socket** (LED's in bottom right corner). Do not remove the other screws at the four corners.
2. Undo the 4 corner screws at the other end with 2 connectors (to planes), and carefully remove the end plate.
3. Pull out the small PC board spacer just inside the cover and withdraw the PCB assemblies from the box by gently pulling outward on the boards. You may pull on the ribbon cable connectors on the board (not the cables) to assist.
4. Lift up the buffer PCB (mounted upside down) to reveal the large rectangular chip in the blue socket equipped with ejector latches near the outer end of the board. Note which end of the chip has the notch, (the one closest to the board edge). Using both thumbs, simultaneously spread the ejector latches outward away from the chip with a rolling motion. (Use care not to push down on the top of the chip whilst doing this!) This will lift the chip out of the socket. Remove the chip.
4a. If you have been asked to change the version of operating system in a particular processor then locate the 4 EPROMS marked PROM 1-4. Use a small screwdriver to lift them out their sockets and replace with the new EPROMS making sure the notch at one end is towards the edge of the board.
5. Insert the new EPROM into the blue socket making sure the notch is towards the outer edge of the board and all legs are going straight into the socket holes (none bent under or outwards). Push down firmly to be sure it is fully seated. The latches should have swung back in fully over the chip. Be careful not to exert any pressure on the ejector latches while doing this.
6. Be sure all ribbon cables are fully seated in their PCB connectors (they can be knocked loose while handling).
7. Reinstall the PCBs in the box, (upside down board fits in **2nd slot down** from the top & the long PCB assembly in **2nd slot up** from the bottom). Check the LED's at the other end align with holes in end panel.
8. Replace the spacer in the box. It should line up with the end of the Processor board (**2nd slot up**).
9. Carefully arrange the ribbon cables so that the end plate will fit on the box without pinching a cable, and re-fix the end plate with its four screws. Also refit the 2 short screws at the other end.
10. Reconnect all cable connectors to reinstall the processor unit.

Repeat procedure for each additional processor requiring new EPROM.
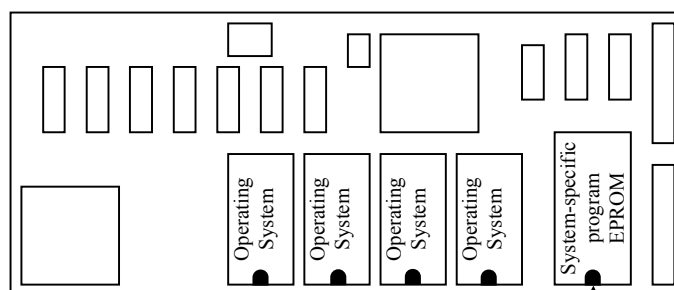
NOTE: The notch at the end of the EPROM must be facing the edge of the board.