

Changing Program EPROMs in SuperBox II/III

To change the program EPROM or swap EPROM and EPROM chips, you will need both small size flat-blade and Philips screwdrivers. Please read and follow the instructions in the static caution notice before removing the cover.

Static Sensitive Parts

IC chips can be destroyed by static electricity. To prevent the possibility of static discharge please touch both the metal housing of the SuperBox and the black foam carrier of the chip before removing the chip from the foam. If you must leave the work area before the work is completed, leave the chip in the foam and again touch both the housing and the foam when you return. Put the removed chip in the foam immediately after it is removed from the board.

Procedure

- 1.) Disconnect all cables from the SuperBox, including the power supply.
- 2.) Open the SuperBox by removing the 4 Phillips-head screws on each side. Lift the cover.
 - SuperBox II - Watch out for the power switch lever, the cover slides forward.
 - SuperBox III - The cover must be pulled straight up if a keypad is in the cover.
- 3.) Remove the user's program memory chip. Insert the small flat-blade screwdriver between the chip and its plastic socket and twist the blade slightly to cause the chip to come out. Ease it out slowly by working a small amount on each side. Put the removed chip into the back side of the foam that the new chip comes in.
 - SuperBox II - The user program is located at position U18. U19 is usually vacant and located just below.
 - SuperBox III - The user program is located at position U6, near the top of the board.
- 4.) Remove the new chip from the foam. Examine the pins and straighten any that are bent. Note the notch in one of the short dimensions of the chip, this must be aligned with the notch outline drawn on the circuit board and the notch in the socket when the chip is inserted. Position the chip above the socket, check that the pins are going into the holes without bending and press firmly until the chip is fully inserted.
- 5.) Replace the cover and 4 screws..
 - SuperBox II - Slide the cover over the power lever (older models) and align with the side screw holes.
 - SuperBox III - If the unit has a built-in keypad, align the pins with the socket on the circuit board. To do this easily, put the cover on with the pins deliberately out of the socket, now slide the cover toward the socket, when the pins are against it, lift the cover slightly, slide it a bit more then insert them in the holes. When correctly aligned, they slide in firmly.
- 6.) Re-connect the user I/O and power cables and test the unit.

