*****ERRATA SHEET*****

THE FOLLOWING CHANGES ARE TO BE MADE TO THE PAGES INDICATED IN THE ASSEMBLY MANUAL. BE SURE TO READ THESE OVER CAREFULLY.

PAGE 26: There will be a 24-pin IC socket provided for IC K. This is to be installed in the same manner as the 40-pin socket. The socket for this IC may be of a different type. If it does not appear similar to the 40-pin socket it will be the "AMP" type socket. This will require you to separate it into two halves by cutting away the 4 cross pieces between the two 12-pin sides. Install each half in the same manner as the 40-pin socket.

PAGE 34: The 2 MHz crystal provided with your kit may not be provided with the cardboard container indicated in the instructions. In this case, use a piece of masking or electrical tape to wrap the metal body of the crystal to insulate it from the board.

PAGE 54: Before installing the transformers, cut the following wires off at a point near where they enter the coil winding:

T1---cut off the YELLOW wire

T2---cut off the 2 BLUE wires

T3---cut off the YELLOW/GREEN stripped wire

When installing the transformers, orient them so that the primary leads (black wires) are as follows:

T1---primary downward

T2---primary upward

T3---primary towards the left

PAGE 60: The Power Supply Board is to be mounted to the cross member using #6-32 X 3/4 inch screws instead of the 5/8 inch screws indicated in the drawing.

PAGE 60: (cont.) There is now only one small screen to be mounted on the back panel over the I/O connector openings on the side opposite the transformers. Slots have been provided in the back panel for the fan opening. Mount the screen over the connector openings using #4-40 screws, and add lockwashers (not shown in drawing) between the nuts and the flatwashers on each of the screen mounting screws.

PAGE 68: Before installing the sub-panel, use a couple layers of plastic electrical tape to insulate the "AC SW" wire leads and the switch leads themselves (S8) at the points where they enter the board. These points will have 110VAC on them so insulating them will add an additional safety factor for handling.

PAGE 66: & PAGE 70 Your kit contains 6 cable clamps. Two should be mounted on the Display/Control Board itself; one as in the drawing on page 67 and the other on the corner diagonally opposite the one in the drawing.

Three clamps should be mounted on the card rail mounting screws; one on the rail closest to the D/C board on the right and the other two on both rails on the left side.

The last clamp should be mounted on the chassis itself in the last hole closest to the back on the left side.

Route the wires through these clamps as indicated in the instructions.

PAGE 19: There is no longer any mounting hardware provided for mounting the Display/Control Board to the Sub-Panel as shown in the drawing. The switch mounting is more than adequate for securing these two together.

NOTE: The 35uf capacitors in your kit may be substituted with 33uf capacitors.

8800 GROUNDING MODIFICATION

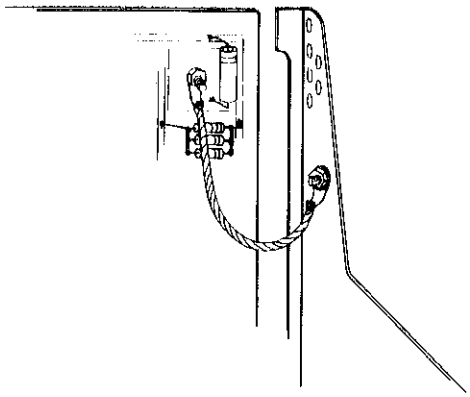
There are several grounding straps to be added between various members of the chassis and some of the PC boards.

There are two sizes of braided wire provided in your kit for making these connections, 1/8 inch and 1/4 inch. The 1/4 inch size is used along the edge of the power supply board and the 1/8 inch is used to make all other connections.

The first connection is to be made between the display/control board and the chassis.

( ) Cut a length of the 1/8 inch braid approximately 3 inches and solder a solder lug in place on each end.

( ) Referring to the drawing below, attach the braid between the 7805 mounting screw on the back side of the display/control board and the chassis as shown.

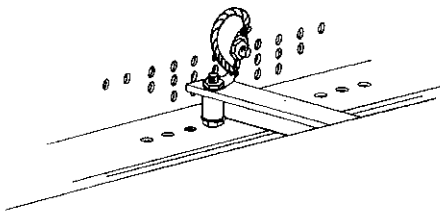


NOTE: At any point where a connection is made to the chassis, first rub the area around the connection point with sandpaper or some other abrasive to remove the anodizing.

This connection should be insulated using heat-shrink or some other such tubing.

( ) Prepare another length of 1/8 inch braid in exactly the same manner as the first piece.

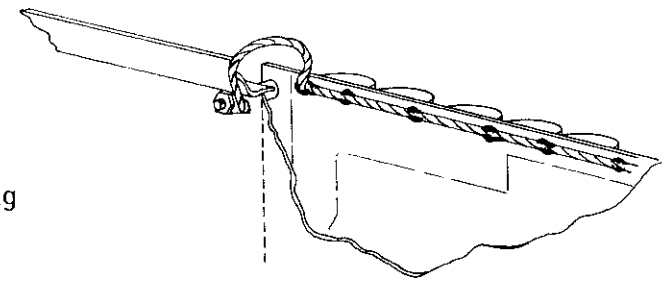
( ) Connect this braid between the card rail towards the back of the unit on the side opposite the transformers and the chassis as shown in the drawing below.



( ) The 1/4 inch braid is to be soldered directly to the PC land on the bottom (non silk-screened) side of the power supply board. Solder this braid in place along its entire length between the negative side of C1 and the positive side of C14. (see drawing below)

( ) Prepare a 4 inch length of 1/8 inch braid by attaching a solder lug to one end.

( ) Solder the end opposite the lug on the 4 inch length to the end of the 1/4 inch braid beneath capacitor C1 as shown in the drawing below. The end of the 1/8 inch braid with the solder lug will be attached to the bottom side of the cross member with the same screw which mounts the closest corner of the power supply board.



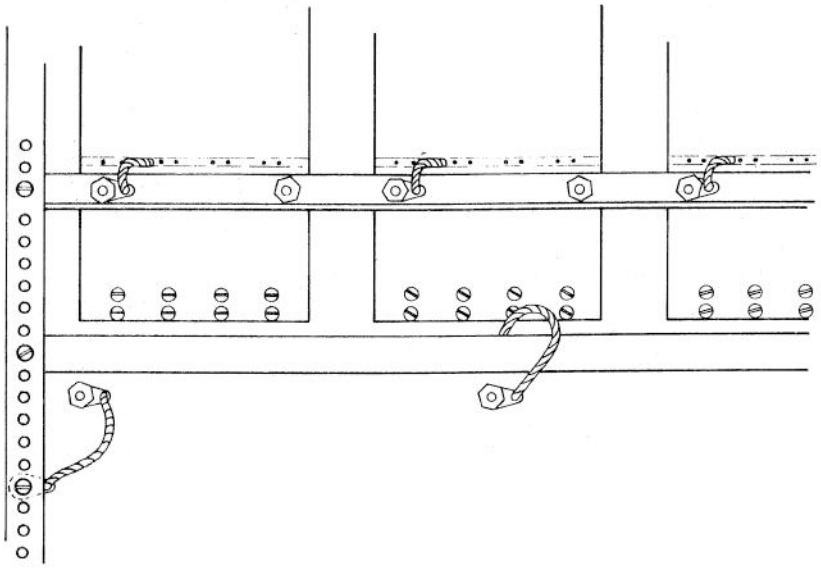
( ) Prepare another 3 inch length of 1/8 inch braid by attaching solder lugs to each end.

( ) Connect this length of braid between the cross member on the side opposite the transformers and the chassis as shown in the drawing below.

NOTE: The drawing below also shows the 4 inch length of braid from the power supply board properly attached to the cross member as previously instructed.

( ) Prepare a 3 inch length of 1/8 inch braid for each of the expander boards in your kit by attaching a solder lug to one end.

( ) Connect these wires between the card rail and the expander boards as shown in the drawing below. The end of the braid opposite the lug should be soldered directly to the land on the expander board which runs along the edge connecting pins 50 and 100 of each connector. Be very careful not to create any solder bridges when making this connection.



8800 ERRATA SHEET

August 8, 1975

DISPLAY/CONTROL BOARD CAPACITOR MODIFICATIONS

NOTE: THE FOLLOWING CAPACITOR VALUE SUBSTITUTIONS ARE CRITICAL IN THE OPERATION OF AN ALTAIR SYSTEM USING 4K DYNAMIC MEMORY BOARDS. THE NECESSARY CAPACITORS WILL BE INCLUDED WITH EACH ALTAIR KIT AND WITH EACH 4K MEMORY BOARD KIT, BUT THE SUBSTITUTIONS NEED BE PERFORMED ONLY ONCE. PERFORM THE SUBSTITUTIONS WHETHER YOU HAVE 4K BOARDS OR NOT.

THE FOLLOWING CAPACITORS ON THE DISPLAY/CONTROL BOARD ARE TO BE CHANGED TO THE VALUES INDICATED BELOW:

C7 should now be 0.01µf

C8 should now be 0.1µf

THESE SUBSTITUTIONS ARE TO IMPROVE THE OPERATION OF THE ALTAIR'S DEPOSIT CIRCUITRY.