CABINET ASSEMBLY INSTRUCTIONS

Begin by installing the correct number of plastic card guides on the chassis part C's. The card guides should be placed from the front backwards, an equal number on each piece C, taking care that the wedge - shaped opening of the slot is positioned upwards. Note that the two ends of piece C are not symmetrical. The end with the wider space between the last small hole for mounting the card guide and the end flange is placed toward the back of the cabinet, so that the guides will line up with the connectors on the Mother board.

The card guides should be assembled starting from the front end (with card guide mounting holes placed closer to the end flange). Make sure you place the card guide so as to form a left hand and a right hand mounting-rail piece. If this is not done, then the card guides will be upside down on one of the two piece 'C's when they are mounted into the cabinet. The card guides are most easily mounted using a small press and placing the tab of each card guide in position started into the hole and pressing them into place until the mounting tabs snap through. A drill press with a large flat - headed screw mounted in the chuck works well with this operation. (Alternately, the card guides may be installed very carefully using needle nosed pliers). Care should be taken that the tabs are started into the hole when beginning to press the guide into place, otherwise one or both may be bent out flat and broken off. One end of the guide at a time should be inserted rather than trying to press both ends in simultaneously.

If a fan is to be installed in the chassis, it should be assembled on the back frame piece Al at this time using the hardware in the fan kit. The fan terminals should be towards the top and towards the Mother board side of the chassis.

Next, the power cord should be inserted using the special grommet in the hole provided on the back panel. 4 to 6 inches of the power cord should be left on the inside of the cabinet. If the power cord grommet is squeezed together with a pair of pliers before insertion into the cabinet back, it will ease the job of inserting this tight fitting grommet. To insert the grommet, the power cord should be pulled through the hole nearly to the point where the grommet has been placed around the power cord, then the outer edge of the grommet can be grasped with a pair of pliers and squeezed slightly and inserted in the hole and worked in while slight tension is also being put on the cord from the back side to assist. Working this grommet in by rocking it back and forth works better than just pushing harder.

The front and back frames can now be screwed to the base plate using 6-32x5/16" machine screws. Note that the back frame fits under the base plate and the front frame fits on top of the base plate, set back about 1" from the front edge of the base plate. Next, install

the two card frames between the front and back frames. Use two 6-32x5/16" machine screws at each end of each card frame. The front and back frames have slotted holes allowing the card frames to be adjusted slightly when the Mother board is installed on the base plate and boards are inserted in the card frames.

The self-adhesive rubber feet can then be separated from each other, the protective backing removed, and placed on the bottom of the cabinet spaced 3 inches along the left hand and right hand edge of the bottom, to support the cabinet weight.

BASE PLATE HOLE IDENTIFICATION

The base plate currently being shipped is a universal base plate, with extra holes for accomodating two styles of mother board mounting systems and two styles of power supplies. For the power supply and mother board systems shipped with your kit:

1. Place the Power Supply p.c. board in the base plate cavity and line up the holes in the p.c. board with the corresponding holes in the base plate and mark (e.g., with a felt-tip pen) which holes are to be used.

2. The mother board mounting system uses the two rows of 12 holes each on the left side of the base plate.

SWITCH ESCUTCHEON INSTALLATION

When the CP-A Front Panel Assembly has been mounted, the Switch Escutcheon (piece A2B) can be installed on the base plate at the front of the computer using four 6-32x5/16" Phillips pan head machine screws. Note that the Escutcheon should fit under the base plate.

CABLE CLAMP INSTALLATION

Cables that do not fit the connector holes on the back frame of the chassis may be clamped for strain relief at the top of the back frame using the L - shaped aluminum bar, piece K. Install using two 6-32x½" Phillips pan head machine screws. Depending on the thickness of the cables being clamped, either of the two sides of the angle may be used.

TABLE TOP COVER INSTALLATION ·

To install the table top cover, slide the cover carefully over the chassis frame and hold in place with four 6-32x½" Phillips pan head machine screws.
Refer to Appendices for an exploded view of the chassis cabinet.

RACK MOUNT SYSTEM ASSEMBLY INSTRUCTIONS

For the rack mount system, begin by installing the rack mount cover
on the chassis. Use five 6-32x5/16" Phillips pan head machine screws.
Next install the left and right side plates to the chassis with the
front flanges pointing outwards. Use four 6-32x½" Phillips pan head
machine screws on each side plate. The forward holes in each pattern
on the side plates should be used.

Next mount the assembly in the rack using two screws on each side
of the front flanges. Hardware requirements for mounting the assem-
bly into the rack will vary according to the individual rack. It
is suggested that the rear of the assembly also be supported in the
rack. Finally, mount the front face panel onto the side plate
flanges using four #10 round head screws and clips.

NOTE: for installations without slides where easy removal of the
computer is desired, the side plates can be mounted directly in the
rack and the computer can be slid on its rubber feet on the bottom
flanges of the side plates. The rear of the side plates in this
case should be fastened securely to the back of the rack cabinet.

ITEM	IMSAI PART #	QUANTITY	DESCRIPTION
	93-3010008	1	Rack Mount Front Panel Rev. C
	93-3070001	1	Rack Mount Left Slide Rev. C
	93-3070002	1	Rack Mount Right Slide Rev. O
	93-3010012	1	Rack Mount Cover Rev. B
Screw	20-3302001	5	6-32x5/16" Phillips Pan Head Machine Screw
Screw	20-3502001	8	6-32x½" Phillips Pan Head Machine Screw
Screw	20-5707001	4	#10x3/4" Flat Head Type B Self-Tapping Sheet Metal Screw
Screw	20-5708001	4	#10x3/4" Button Head Type B Self-Tapping Sheet Metal Screw
Nut	21-5650001	8	Speed Nut, Tinnerman C 9031-10Z-1

ITEM	IMSAI PART #	QUANTITY	DESCRIPTION/IDENTIFYING MARKS
Back Frame	93-3010003	1	Back Frame "A1"
Front Piece	93-3010010	1	Painted Front Piece "A2B"
Cabinet Base	93-4010004	1	Cabinet Base "A3"
Front Frame	93-3010001	1	Front Frame "B"
Card Frame	93-3010002	2	Card Frames "C"
Cable Clamp	93-3010013	1	Cable Clamp "K"
"DANGER" Label		1	"DANGER" Label on right card frame
Rubber Feet	28-0400001	6	Adhesive backed rubber feet
Screw	20-3302001	25	6-32x5/16" Phillips pan head machine screws
Screw	20-3502001	2	6-32x½" Phillips pan head machine screws
Capacitor Brace	91-0300001	2	Capacitor Braces with foam backing
Cover	93-4010005	1	Table Top Cabinet Top
Screws	20-3502001	4	6-32½" Phillips Pan Head Machine