

## STEP-BY-STEP ASSEMBLY

### CIRCUIT BOARD ASSEMBLY

Because the circuit board is quite large, it has been divided into small sections to simplify assembly. This will make it easier to identify the points on the circuit board that are referred to throughout the assembly instructions. The sections of the circuit board are similar to those of a road map; the sections are identified by number across the top and bottom, and letters down each side of the circuit board. The dividing lines (see Pictorial 1-1) run vertically and horizontally between the circuit board mounting holes.

For instance, to locate connector 7 in section 1B, you would first find section 1B of the circuit board and then look for connector 7 in this section. Pictorial 1-1 shows the sections of the circuit board.

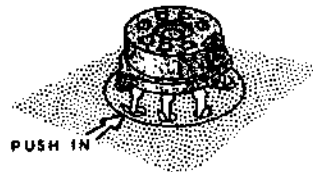
Before starting to assemble this kit, review the circuit board wiring and soldering instructions in the Kit Builders Guide.

Refer to Pictorial 1-1 for the following steps.

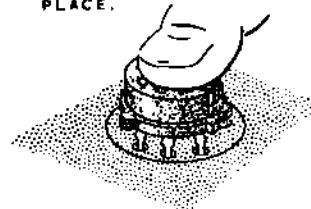
Position the circuit board foil side down as shown.

- ( ) Refer to Detail 1-1A, and install 7-pin tube sockets at locations V3, V4, V9, V10, V13, and V14. Solder all seven pins of each socket.
- ( ) In a like manner, install 9-pin tube sockets at locations V1, V2, V5, V8, V11, and V12. Solder all 9 pins of each socket.
- ( ) Refer to Detail 1-1B, and remove pins 5 and 6 from one of the 12-pin tube sockets. The pin numbers are molded on the top and bottom of the socket.
- ( ) Refer to Detail 1-1C, and install this socket at location V6. Align the keyway of the socket with the arrow printed on the circuit board. Solder all ten pins of the socket.

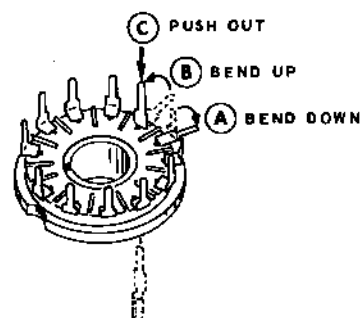
PLACE PINS INTO MOUNTING HOLES. MAKE SURE ALL HOOKS ARE SEATED IN HOLES BEFORE PRESSING.



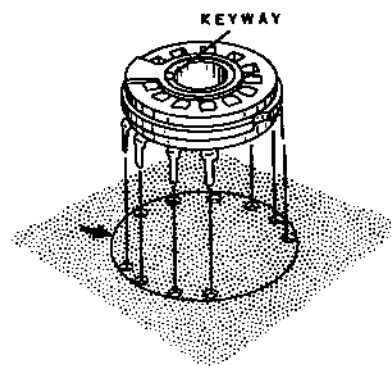
APPLY PRESSURE EVENLY UNTIL ALL PINS SNAP INTO PLACE.



Detail 1-1A



Detail 1-1B



Detail 1-1C