

GENERAL OPERATING INSTRUCTIONS

POWER UP

When the computer is turned On, the main title screen will be displayed on the monitor. Press any key and a menu will be displayed.

The menu choices will be determined by the Solid State Cartridge used. Turn the computer Off when inserting or removing a Solid State Cartridge. Refer to the menu and press the key for the desired function.

For instructions to load and save programs on cassette tape, refer to "Cassette Operation". Run a basic program by typing RUN and press the ENTER key. Stop a program by holding down the FCTN key and press the number 4 key. The computer will return to the basic mode and the program will be unaffected. Reset the computer by holding down the FCTN key and press the = key. The computer will return to the main title screen and any program in memory will be lost.

CASSETTE OPERATION

Connect the cassette cable to the cassette plug on the rear of the computer. Connect the plug with the red wire to the Mic input on the recorder, the plug with the white wire to the Ear-

phone output on the recorder and the plug with the black wire to the Remote input on the recorder.

NOTE: The remote control may not work on some recorders.

Set the Tone control on the recorder to Maximum and the volume control to mid-range. Verify the ALPHA LOCK key, on the computer, is in the down position and put the computer in BASIC mode.

Save a program by typing SAVE CS1, press the ENTER key and follow the instructions that appear on the monitor screen.

Load a program by typing OLD CS1, press the ENTER key and follow the instructions that appear on the monitor screen. If a program will not load, set the Volume control to a different level and try loading the program again.

When using two recorders, the recorder connected to the three plug section of the cable will be CS1 and the recorder connected to the two plug section will be CS2. CS2 can be used for saving programs or data only. Save a program on CS2 by typing SAVE CS2, press the ENTER key and follow the instructions that appear on the monitor.

DISASSEMBLY INSTRUCTIONS

CABINET BOTTOM REMOVAL

Remove the On-Off knob. Remove Phillips screws 1 thru 7 (See Figure 1) from the bottom and remove the cabinet bottom.

POWER SUPPLY BOARD REMOVAL

Remove Phillips screws 7 and 8 (See Figure 2) from the power supply board. Lift the board up, unplug the cable going to the main board and remove the power supply board.

MAIN BOARD REMOVAL

Remove Phillips screws 1, 2 and 3 (See Figure 2) holding the main board. Lift up the main board, unplug the keyboard and remove the main board.

To remove the shield, remove the two metal clamps (See Figure 2) and unplug the cartridge plug. Remove Phillips screws and nuts 4, 5 and 6 (See Figure 2) and remove the top and bottom shield.

KEYBOARD REMOVAL

Remove Phillips screws 9 thru 12 (See Figure 2) holding the keyboard. Unplug the keyboard from the main board and remove the keyboard.

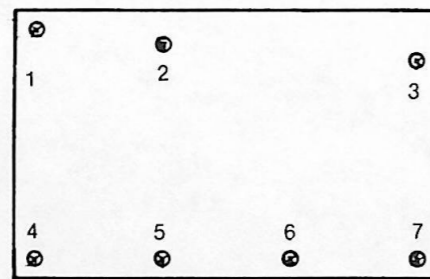


Figure 1
BOTTOM VIEW

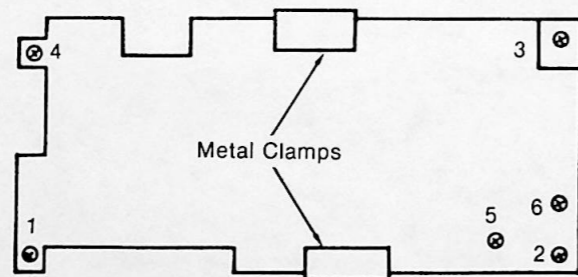
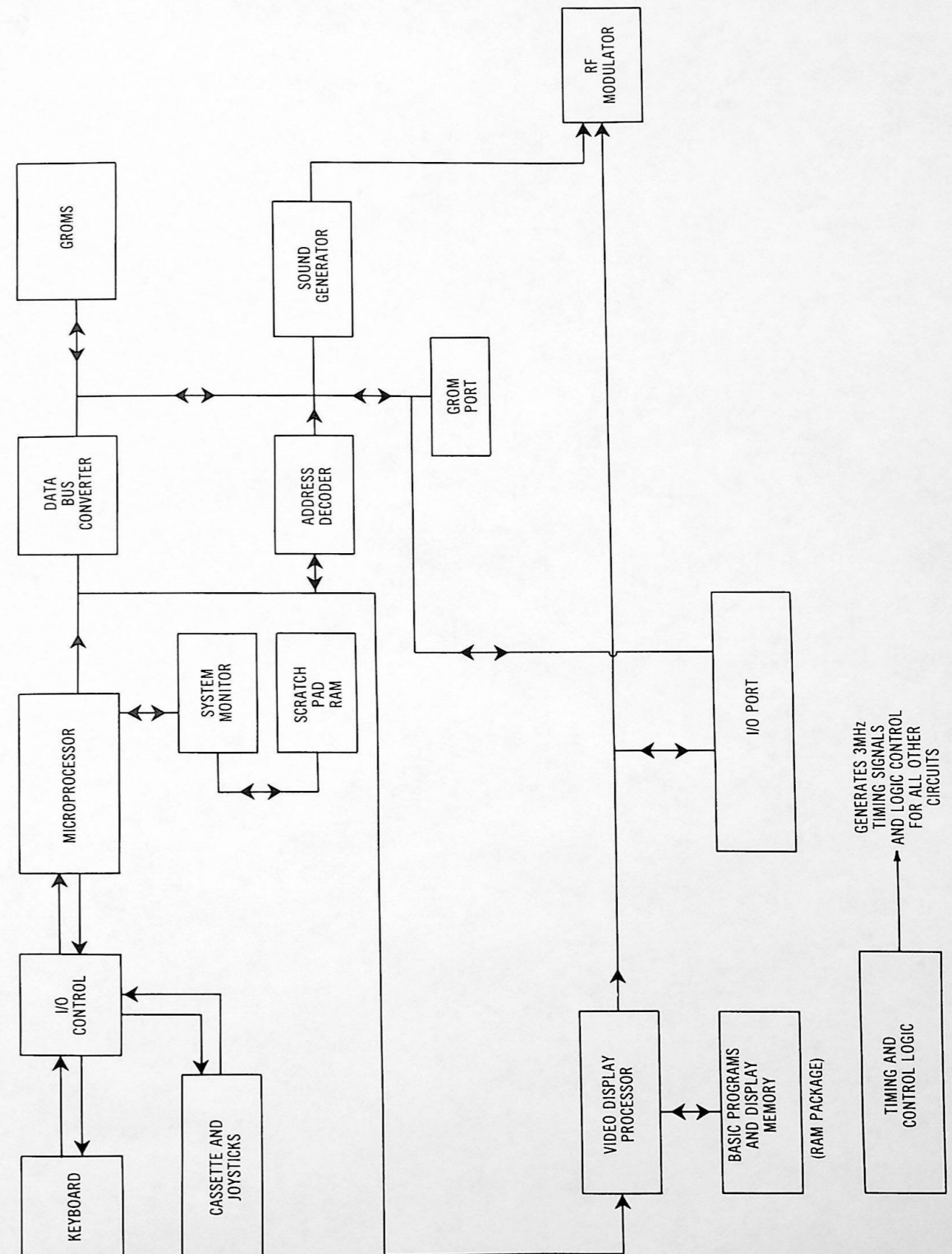


Figure 2
BOTTOM VIEW



TEXAS INSTRUMENTS
TI-99/4A MODEL PHC004A

BLOCK DIAGRAM