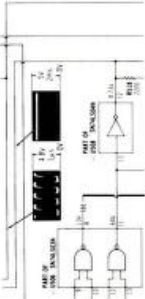


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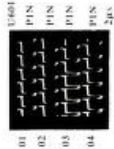


- Step by Step Troubleshooting guides the technician through the necessary procedures to quickly locate the problem.

TROUBLESHOOTING

MICROPROCESSOR CHIP (CPU) OPERATION

Verify the processor is functioning by checking the address lines (pins 1-16) and the data lines (pins 17-31) using a logic probe or logic analyzer. The address lines should show a sequential count from 0000 to FFFF. The data lines should show a sequential count from 00 to FF. If the address lines are not sequential, the processor may be faulty. If the data lines are not sequential, the processor may be faulty. If the address lines are sequential but the data lines are not, the processor may be faulty. If the address lines are not sequential but the data lines are sequential, the processor may be faulty. If the address lines are sequential but the data lines are not sequential, the processor may be faulty. If the address lines are not sequential but the data lines are not sequential, the processor may be faulty.



- Logic Chart containing logic probe readings to isolate defective circuitry and components.

LOGIC

PIN	IC	PIN	IC	PIN	IC	PIN	IC
1	U100	17	U103	25	U106	33	U109
2	U100	18	U103	26	U106	34	U109
3	U100	19	U103	27	U106	35	U109
4	U100	20	U103	28	U106	36	U109
5	U100	21	U103	29	U106	37	U109
6	U100	22	U103	30	U106	38	U109
7	U100	23	U103	31	U106	39	U109
8	U100	24	U103	32	U106	40	U109

Remove staples and use cover for file folder.

- Quick Component Location using the SAMS exclusive GridTRACE, CIRCUTRACE, and component photographs.



- Complete Components Parts List in an easy to use format with field replacements shown when possible. SAMS unique semiconductor, chip and IC cross-reference gives you many replacements to choose from and is available at your Electronic Distributor.

SEMICONDUCTORS (Select replacement for best results)

ITEM No.	TYPE No.	MFG. Part No.	ECG Part No.	NTE Part No.	RCA Part No.	ZENITH Part No.	NOTES
D052	18551	144-2576	ECG519	NTF519	SK8951/177	103-131	
D053	28403M	144-2527	ECG109	NTF109	SK808	103-79601	
D054	1N4004BP	1201-4205	ECG116	NTF116	SK3312	212-76-02	
D055	18553	144-2576	ECG519	NTF519	SK8951/177	103-131	

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