

COMPUTER: EPSON® MODEL QX-10



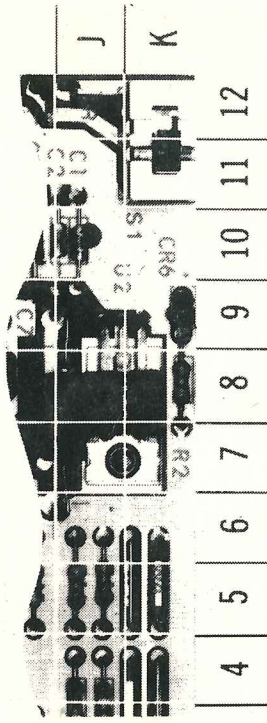
TECHNICAL SERVICE DATA FOR YOUR COMPUTER

SAMS

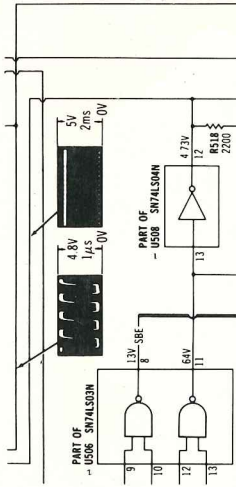
If seal is broken, nonreturnable.

COMPUTERFACTS™ put easy to use, informative technical data right at your fingertips. Each edition includes specific service information on the individual component, along with some overall troubleshooting hints.

- Quick Component Location using the SAMS exclusive GRIDTRACE, CIRCUITRACE, and component photographs.



- Preliminary Service Checks section is an easy to use, step by step guide for the experienced technician or hobbyist, and even beginners.
- SAMS famous industry accepted standardized notation schematics containing CIRCUITRACE®, GRIDTRACE™, waveforms, voltages and stage identification.

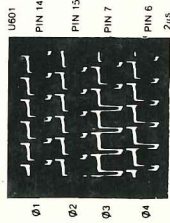


- Step by Step Troubleshooting guides the technician through the necessary procedures to quickly locate the problem.

TROUBLESHOOTING

MICROPROCESSOR CHIP (CPU) OPERATION

Verify the processor is functioning by checking the signals on the address lines (pins 10 thru 24 of IC U800) and the data lines (pins 41 thru 56) using a logic probe or a scope. If a logic probe is used, the waveforms on the address lines (except pins 22 and 23 which have no signal in Power Up mode) should be similar to Figure 1. The waveforms on the data lines should be similar to Figure 2.



- 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.	MFR. PART No.	REPLACEMENT DATA					
			GENERAL ELECTRIC PART No.	MOTOROLA PART No.	NTE PART No.	RCA PART No.	WORKMAN PART No.	ZENITH PART No.
D102	1S553	1149-2576	EGC519	1M4935	NTE519	SK9091/177	MEP925/519	103-131
D103	1M60FM	1149-2527	1N60	1M4004	NTE109	SK3088	MEP134/109	103-29001
D201	1M4004GP	1201-4205	EGG116	1M4935	NTE116	SK3312	MEP157	212-76-02
D901 +H+U D903	1S553	1149-2576	EGG519	1M4935	NTE519	SK9091/177	MEP925/519	103-131

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

LOGIC

PIN NO.	IC U100	PIN NO.	IC U100	PIN NO.	IC U102	PIN NO.	IC U103	PIN NO.	IC U104	PIN NO.	IC U105	PIN NO.	IC U106	PIN NO.	IC U107	PIN NO.	IC U108	PIN NO.	IC U109
1	P	21	P	1	L	1	L	1	L	1	L	1	L	1	L	1	L	1	L
2	P	22	P	2	P	2	P	2	P	2	P	2	P	2	P	2	P	2	P
3	P	23	P	3	H	3	H	3	H	3	H	3	H	3	H	3	H	3	H

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