



Kurz-Kasch, Inc.

Electronics Division
Box 1246 • 2271 Arbor Blvd.
Dayton, Ohio 45439
Telephone (513) 299-0990

Operating Instructions

For Model 310 B & C

780 Midway Compact Mother Board

| | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|---|---------|-----|-----|-----|-----|-----|-------|-----|
| | | SL2 | | | | START 2 | | | SR2 | | | 5V | |
| | | x | | | | x | | | x | | | | |
| LLP | SL1 | SL5 | SL3 | LRP | | START1 | RLP | SR1 | SR5 | SR3 | RRP | ON | OFF |
| x | x | x | x | x | x | x | x | x | x | x | x | | |
| | | SL4 | | | | | | | SR4 | | | | |
| | | x | | | | | | | x | | | | |
| | SL6 | | SL7 | | | COIN | | SR6 | | SR7 | | POWER | |
| | x | | x | | | x | | x | | x | x | ON | OFF |

1. Insert 310B card in "B" Port
2. Insert 310C Card in "C" Port
3. Connect 310C Remote cable to Mother board male connector
4. Turn on 5 volts on TF-650
5. Turn on Power on TF-650
6. Check Z 80 Pin 26-it must be high. If not take F4-1 low. Recheck Z80-26.
7. Push start Z (reset) on TF 650.
Z80-26 will go low.
8. Check the following with Logic Probe
(Be sure Pod Black grabber is ground if Signature II Probe is used.
 - a. Probe K2-2 "1" Push Coin "0"
 - b. Probe K2-4 "1" Push Start 1 "0"
9. Insert Z-80 NOP Fixture with Z-80.
10. Check Z80 Signatures per page 18 of Signature II Manual.

Rom TEST:

- I. Connect Signature II
Clock Z80-21
GND Z80-29
Start-Stop Z80-40
VCC=7A70
2. Connect F4-1 to F4-8
3. Connect H1-13 to H1-7
4. Check 1 Prom at a time. By inserting in
SOCKET B-1. Signatures are as Below:

| Pin | A ₁ | A ₂ | A ₃ | A ₄ |
|-----|----------------|----------------|----------------|----------------|
| 9 | 415C | 4617 | 59F9 | 90CA |
| 10 | 9879 | 4C89 | H82A | V949 |
| 11 | 7PH9 | 694H | 176H | 4533 |
| 13 | H952 | Z9FP | 1596 | 8947 |
| 14 | 8FP8 | A155 | 6HCV | 13PH |
| 15 | C610 | 15HH | 8221 | F02H |
| 16 | P3C2 | PPP0 | 7893 | 074H |
| 17 | 328C | Z4H3 | 72F9 | 1642 |

| Pin | Address lines |
|-----|---------------|
|-----|---------------|

| | |
|---|------|
| 1 | 52F8 |
| 2 | VPFH |
| 3 | 0AFA |
| 4 | 52H1 |
| 5 | 7F7F |
| 6 | CCCC |
| 7 | 5555 |
| 8 | VVVV |

RAM
PIN SIGNATURES

CLOCK Z80-21
GND Z80-29
SISTOP Z80-40

| | |
|---|----|
| 2 | 62 |
| 3 | 5A |
| 4 | 68 |
| 5 | 4A |
| 6 | 43 |
| 7 | 68 |
| 8 | 52 |
| 9 | 52 |

KK 0500021 in B-1
socket

F4-1 to F4-9 (Reset)

Do not use clip on H-1