## Cassette I/O Control Board (4075)
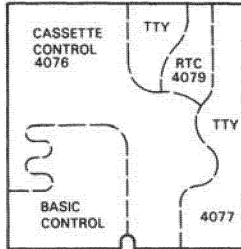
Model No. 4075 is the cassette I/O board. It houses the 4077 terminal control, an asynchronous, serial data controller which is functionally identical to the 4010. The 4075 also houses the 4079, 4078, and 4076 controls. Refer to figure below for the breakdown of the 4075 board below:
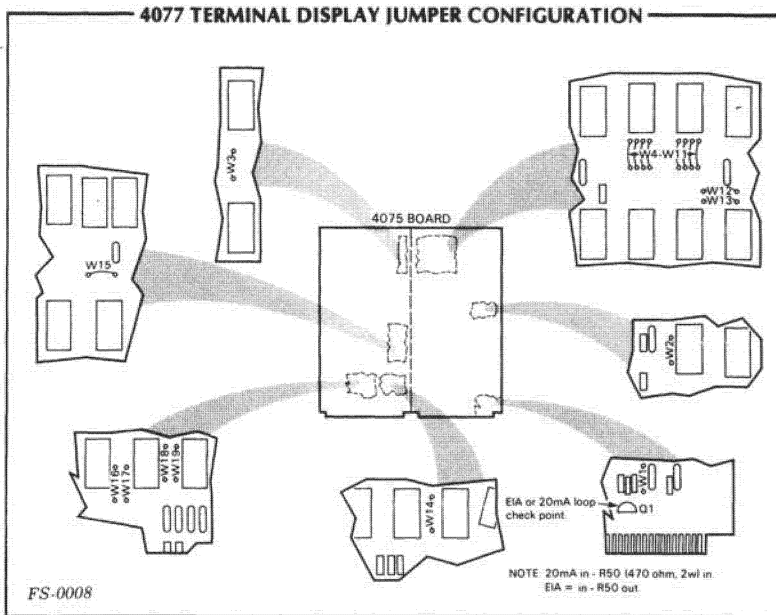
**4075 CONTROL BOARD**



FS-0002

| MODEL | DESCRIPTION |
|-------|-------------|
| 4075 | **Basic I/O Control Board** - houses cassette control, asynchronous control, and real-time clock. |
| 4076 | **Cassette Control** - controls up to 8 cassette drives. |
| 4077 | **Asynchronous Line Control** - 20mA single line control to support a terminal or a display. |
| 4078 | **EIA (RS232-C)** - EIA option for the 4077. |
| 4079 | **Real-time Clock** - same as 4008 (housed in basic I/O control board). |

**━━ 4077 TERMINAL DISPLAY JUMPER CONFIGURATION ━━**



NOTE: 20mA in - R50 (470 ohm, 2wl in.
EIA = in - R50 out.

FS-0008

The following chart may be used for all 4075 boards (11-13-19 jumper configuration).

## 4077 CNTRL - JUMPER TABLE

| | W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 | W9 | W10 | W11 | W12 | W13 | W14 | W15 | W16 | W17 | W18 | W19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 Ma 1 LOOP | X | X | | | | | | | | | | | | | | | | | |
| EIA | O | O | | | | | | | | | | | | | | | | | |
| DEVICE 10/11 | | | X** | | | | | | | | | | | | O | X | O | | |
| DEVICE 34 | | | X | | | | | | | | | | | O | | | | O | X |
| DEVICE 50/51 | | | O* | | | | | | | | | | | | X | O | X | | |
| DEVICE 74 | | | O | | | | | | | | | | | X | | | | X | O |
| 75 BAUD | | | | X | X | X | X | O | X | X | X | X | O | | | | | | |
| 110 BAUD | | | | O | X | X | O | O | X | O | X | X | O | | | | | | |
| 134.5 BAUD | | | | O | X | X | O | O | X | O | O | X | O | | | | | | |
| 150 BAUD | | | | X | X | X | X | O | O | X | X | X | O | | | | | | |
| 300 BAUD | | | | X | X | X | X | O | O | O | X | X | O | | | | | | |
| 600 BAUD | | | | X | X | X | X | O | O | O | O | X | O | | | | | | |
| 1200 BAUD | | | | O | X | X | X | O | O | O | O | X | O | | | | | | |
| 2400 BAUD **** | | | | O | O | X | X | O | O | O | O | X | O | | | | | | |
| 4800 BAUD **** | | | | O | O | O | X | O | O | O | O | X | O | | | | | | |
| 9600 BAUD **** | | | | O | O | O | O | O | O | O | O | O | X | | | | | | |

FS-0010

[X] JUMPER IN   [O] JUMPER OUT

\* Jumper *W3* is present only on older artworks.
*W3 in* - selects device codes 10/11 & 34.
*W3 out* - selects device codes 50/51 & 74.

\*\* See *TIB S-1027* (Communications).

\*\*\* Jumpers *W14-W19* on new artwork allow separate device code selections. *W3* is not present on this board.

\*\*\*\* Remove *C18* on RECEIVE DATA line.

## Diagnostics

| | Tape (095) | Listing (096) |
|---|---|---|
| Diagnostic Test 4010, 4023 or 4077, 4078 | 063 | 035 |

## Diagnostic Summary

| | |
|---|---|
| DIAGNOSTIC | EIA INTR 096-035 |
| SYSTEM AND MEMORY REQUIREMENTS | NOVA (EXCEPT MICRO-) OR ECLIPSE TELETYPE 4K |
| FEATURES/OPTIONS REQUIREMENTS | 4010/4023 4077/4078 |
| RESTRICTIONS | PROGRAM WILL NOT RUN W/4023/4029 |
| SPECIAL EQUIPMENT | TEST PLUG |
| PRIMARY DEVICE CODE | N/A OPERATOR-ASSIGNED |
| TEST SUMMARY | TEST OF 4023 OR 4078 EIA OPTION |
| **START LOCATIONS** | |
| NORMAL START | 200 |
| **SWITCH SETTING** | |
| 1 | ON START OR RESTART--REQUESTS INPUT PARAMETERS IF RUNNING--PROCEEDS FROM ERROR LOOP |
| 2 | INHIBITS TELETYPE PRINT CONSOLE |
| 3 | PRINTS FAILURE RATE |
| 4 | N/A |
| 5 | OUTPUT TO LPT |

DATA GENERAL PROPRIETARY

043-000102