

7080 DIAGNOSTIC MASTER TAPE #2 (160K AIR COOLED MEMORY)

Order of Programs on Tape

- 8ED01A ✓ - Edit and Search Program
- 8CU37A ✓ - Random Number CPU Reliability
- 8CU10A ✓ - Overall CPU Error Detection
- 8TC10B ✓ - TCU Error Detection
- ~~8TC15A~~ - ~~Worst Case Channel Operation~~ *NOT RELEASED TO DATE*
- 8TC16A ✓ - Address Word Incrementer
- 8TC20*  
*4-CHAN* ~~8T008A~~ ✓ - 2 and 4 Channel Tape Test *FULL FILE RELIABILITY*
- 8MU98A ✓ - Memory Overall Reliability (80,000 - 159,999)
- 8MU99A ✓ - Memory Overall Reliability (00000 - 79999)
- 8SB05A ✓ - Storage Access Test
- 8SB09A ✓ - Storage Address Retrieval
- 8SB10A ✓ - Storage Address Retrieval
- 8SB15A ✓ - Overall Storage Reliability
- 8CU29A ✓ - I/O Interpret Test
- 8CU30B ✓ - Non-Stop and Auto-Interrupt
- 8CU31A ✓ - 705 I/II/III Compatibility
- 8CU35B ✓ - Manual Interrupt
- 8TU04B ✓ - Tape Gap Test (7621)
- 8TU06A ✓ - Tape Interchangeability
- 8CC01B ✓ - Console Card Reader
- 8SA01A ✓ - Storage Sense Amplifier Adjustment
- 5TY02A ✓ - Typewriter Test

*8 DEMO*  
*COFFEE*  
*TIC TAC TOE*  
*PROGRAM*

NOTE: Each of the above programs has the Tape Load Program 8LD02 in front of it, and the Diagnostic Tape Generator Program 8TR06 in back of it. This allows for direct 8TR06 Generation of 20K Memory Dumps.

**\*\*EXCEPTION:** 8ED01 is followed by the 8TR02 transition program instead of 8TR06.

## CONTENTS OF CARD PACKAGES "A" AND "B"

### A. ALL INSTALLATIONS

1. 8CC01 - Console Card Reader Test Deck
2. 8LD01 - 714 Load Program
3. 8LD02 - Tape Load Program (7621, 754)
4. 8LD10 - 7502 Load Program
5. 8TR02 - Standard Transition Program
6. 8TR06 - Diagnostic Tape Generator (7621 use)
7. 8ED01 - Edit & Search Program

### B. SERIAL I/O INSTALLATIONS ONLY

1. 8LD06 - Tape Load Program (777)
2. 8TR16 - Diagnostic Tape Generator (777)

FAC:lfg  
4/25/61

7080 DIAGNOSTIC MASTER TAPE #2 (160K AIR COOLED MEMORY)

Order of Programs on Tape

- 8ED01A ✓ - Edit and Search Program
- 8CU37A - Random Number CPU Reliability
- 8CU10A ✓ - Overall CPU Error Detection
- 8TC10B ✓ - TCU Error Detection
- ~~8TC15A - Worst Case Channel Operation~~ *NOT Related to OER*
- 8TC16A - Address Word Incrementer
- 8TR08A ✓ - 2 and 4 Channel Tape Test
- 8MU98A ✓ - Memory Overall Reliability (80,000 - 159,999)
- 8MU99A ✓ - Memory Overall Reliability (00000 - 79999)
- 8SB05A ✓ - Storage Access Test
- 8SB09A ✓ - Storage Address Retrieval
- 8SB10A ✓ - Storage Address Retrieval
- 8SB15A ✓ - Overall Storage Reliability
- 8CU29A ✓ - I/O Interpret Test
- 8CU30B ✓ - Non-Stop and Auto-Interrupt
- 8CU31A ✓ - 705 I/II/III Compatibility
- 8CU35B ✓ - Manual Interrupt
- 8TU04B ✓ - Tape Gap Test (7621)
- 8TU06A ✓ - Tape Interchangeability
- 8CC01B ✓ - Console Card Reader
- 8SA01A ✓ - Storage Sense Amplifier Adjustment
- 5TY02A ✓ - Typewriter Test

**NOTE:** Each of the above programs has the Tape Load Program 8LD02 in front of it, and the Diagnostic Tape Generator Program 8TR06 in back of it. This allows for direct 8TR06 Generation of 20K Memory Dumps.

**\*\*EXCEPTION:** 8ED01 is followed by the 8TR02 transition program instead of 8TR06.

DSD POUGHKEEPSIE

DEPT. 265 - BLDG. 918

*DONE oen 11-7-61*

ERRATA SHEET FOR 8ED01  
EDIT and SEARCH

I. Changes to Program Listing:

- A. At Memory Location 0090, change the instruction from SEL 2 0204, to TR 1 3754.
- B. Starting at Memory Location 3750, add the following instructions and addresses:

3754	TRA	1	01	3764	37W4
3759	TR	1		0104	
3764	SEL	2		0204	
3769	TR	1		0099	

WBB:eh  
June 1, 1961

Enclosure