When loading the 1407 D.T.'s, the detail cards at the end of each test must be removed. The F 7100 test cannot load detail cards. Thus the 1407 typeouts of D.T.'s will not be the same as when running from cards. Notice particularly that on C 8002, the print out of line 2 is offset one space to the left with the first character missing. This is necessary because of Group Mark Word Mark handling from magnetic tape. The modified type out of C 8002 as run from tape is shown as a page of this writeup.

No attempt will be made to go into details of the tape load program. This is not a true diagnostic in itself because it is not to test the machine. Thus there should be very little need of analyizing the program. The flow charts shown as part of this write-up should be sufficient explanation to allow any trouble shooting needed.

If the machine stops with address 002, this is a tape read error during initial loading of D.T.'s, whereas a stop in 333 is a tape read error during the tape chain routine.

SENSE SWITCH SET-UPS

I. For Loading D.T.'s on Tape

Switch	Function	Normal Setting
A	Allows "End-Routine" to be written on tape after last D.T. has been written.	On

II. For Executing the D.T.'s From Tape Switch

Switch	Function	Normal Setting
C	Allows tape execute program to start at first D.T. and proceed thru all tests.	On (See Sense G)
G	Allows desired D.T. identification number to be entered from 1407 and program searches tape for program--Sense C MUST BE OFF	Off and On

If neither "C" or "G" is ON, the program will stop after loading and the console must be set to 001 and started from there.