ERRORS

For this diagnostic turn the PROCESS CHECK SWITCH OFF. Upon an error the diagnostic will BRANCH and WRITE the error instructions. A HALT will occur and pressing the START button will cause a BRANCH back to the instruction in which the Process Check occurred. If there are no errors the program will BRANCH unconditionally around these two instructions. All of the routines in the diagnostic use the same procedure for error detection except the CARRIAGE RETURN test.

SPECIAL NOTES

The Ripple portion of the diagnostic deck is not intended to be run each time the test is run because of the time involved. It is suggested that the C. E. obtain a copy of the 1405 General Information Write-up. In this writeup, a detailed description of the SPS type programming is given. It would also be helpful if the C. E. would read the writeup for C8001.

Because of the small capacity of the 1.4K 1401 System, the read-in area is utilized during the loading of the diagnostic; therefore in the housekeeping routine the Line 1 618 to 698 is loaded into the read-in area. The program controlled Read In FROM the 1407 is into locations 618 to 698.

The ALTER mode of operation can be tested in any of the standard 1.4K storage positions after test C8002 has been run.

If it is desired to run the test with the additional Ripple test deck portion provided, this is accomplished by placing this portion of the deck immediately behind card No. 99999 (This is found in card columns 1 through 5). The three blank cards may be placed behind this deck or the normal run out procedure can be followed when the last card is reached.

In trouble-shooting the 1407 with this diagnostic, it is suggested that the C. E. have in front of him, his reference manuals and the program listing and the flow chart for this diagnotic.

The Master 1407 Typeout and Detail Card Typeout lists in this manual are for the Standard 1407 Character Code Set. The IBM Historic Character Code Set option A or H provide different special characters. Refer to the Systems Diagram Manual for these differences.