The Group Mark/ Word Mark in position 1 will cause the CARRIAGE to SPACE up one position. After this has been accomplished, the WORD MARKS under the GROUP MARKS will be sequentially removed. The 1407 will WRITE the CARRIAGE RETURN Line 4 returning sequentially from the following positions: 1, 2, 3, 4, 10, 20, 30, 40, 50, 60, 70 and 80. These positions are written in the LOAD mode of operation. There are no error checks made during this portion of the diagnostic; therefore, the C. E. is to visually check the 1407 typewriter output to see that it is correct and that the CARRIAGE is RETURNING from the proper position. After the above has been executed Sense Switch F is interrogated. If Sense Switch F is ON, a BRANCH to WRITE the CARRIAGE RETURN Line 4 in the MOVE mode of operation will again occur, and the entire Routine repeated once more. If Sense Switch F is OFF, Sense Switch G is interrogated. If Sense Switch G if OFF, the program will interrogate the Q latches. If the Q latch is OFF, the 1407 will type PRESS REQUEST— — NOW START when the REQUEST enter key is depressed and then the START button, the Q latch is set and program will BRANCH on this Q latch. The program is now in a position to accept information from the 1407 keyboard. The C. E. is to type in Line 1 into the 1401 in the MOVE mode of operation. A Group Mark/Word Mark must be placed at the end of Line 1. This is accomplished by Pressing the Respond Typeout Key. The program will automatically WRITE the Line 1 that was read in above. The C. E. is to visually check for errors. The Q latch is again tested as above. This time the C. E. is to enter Line 1 in the LOAD mode of operation. Be sure to place the Group Mark/Word Mark at the end of Line 1. If Sense Switch G is ON however, a BRANCH to interrogate Sense Switch D occurs. If Sense Switch D is ON, the program will BRANCH back to the beginning of the program and WRITE Lines 1-2 in the MOVE mode of operation, and the entire program repeated once more. However, if Sense Switch D is OFF, the program will BRANCH to the CHAIN routine. In the CHAIN routine Sense Switch A is interrogated. If Sense Switch A if OFF, the program will feed a card and if the card is not present the program will stop with 080 in the MAIN STAR. If there is a card, the program checks for an A in column 080. If an A is in column 080, the program BRANCHES to Load the next diagnotic. If there is not an A in column 080, the program checks for an L in column 080. If there is an L in column 080 the program will BRANCH and WRITE the card that has just been read. It will be written in the MOVE mode of operation. The LOAD mode may be used by changing the M in storage position 332 to L. If Sense Switch A is ON and it is the last card, the program will BRANCH to the END of TEST HALT. Pressing the START button at this time will cause the program to BRANCH to the House Keeping routine and the entire diagnostic will be executed once again.