After executing two loops for Pattern A, worst bit Pattern B is then stored by a move instruction also starting in Location 370. Pattern B differs from Pattern A in that while Pattern A starts with RRRRR, Pattern B starts with WWWWW. The characters are reversed from WWWWW to RRRRR to WWWWW to RRRRR in a manner similar to Pattern A, including the transposition of the pattern at each 1000 block of storage. This pattern is also repeated a second time under control of a loop counter in Location 366.

The test is completed after four loops (two for Pattern A and two for Pattern B) if Sense Switch D is set to the OFF position. If it is set to the ON position the test is repeated as often as desired.

The program is designed to require the least number of storage positions in order to store the worst bit pattern into the greatest number of storage positions.

Checking Procedure

Process Check Stop Switch ON - Machine stops automatically for process errors.
1. B Address Register Light turns ON.
2. Storage Address displays location of B address.
3. B-Light displays bits in location of B address.

Process Check Stop Switch OFF - Machine prints that portion of the program which is stored in Locations 201-332. Positions 261-263 indicate the location of the invalid character. Example:

```
2 }                                  2          2          2
0 }----------Print Locations----------{ 4          6          7
1 }                                  8          1          3
M368056M369B098B082DN248/080,0011001M1122632125.B082      G06        D112051Betc.
                     *                                  ↑
*N for card test; B for tape test                  Location of in-
                                                   valid character
                                                   G06= 3706
```

Procedure for Running Worst Bit Pattern Test from Tape

1. Manually enter 1, 2, 4, 8, -, or & in Location S65.
2. Set Sense Switch "F" to the OFF position.
   NOTE: Since the Worst Bit Pattern Test erases the Optional Features Codes as well as the Read Test Tape Routine stored in Locations S51 through T97, other tape tests cannot be chained after this test. For this reason, the Worst Pattern Test should be the last test written on tape. When the test is completed from tape, the program branches to Location 248 and stops the machine.

Procedure for Running ONLY Worst Bit Pattern Test from Tape

1. Manually enter Block No. 9100 in Locations S73-S76, and 1, 2, 4, 8, -, or & in Location S65.
2. Set Sense Switch "F" to the ON position.
   NOTE: This will allow only the Worst Bit Pattern Test to be executed, by-passing all the others.