The program is executed in the following manner:

The multiplicand (A Field - columns 1-5), the multiplier (B Field - columns 21-24), and the Result Should Be Field (columns 41-50) are loaded into the print area for printing purposes. Column 5 is then tested for a blank. If no blank the program proceeds to develop a 10-position product (5 positions in the multiplicand, 4 positions in the multiplier, plus 1) in Locations 261-270. If blank the program branches to another set of instructions to develop a 3-position product (1 position in the multiplicand, 1 position in the multiplier, plus 1) in Locations 261-263. The result is then compared with the Result Should Be Field. If the comparison is unequal, the program branches to the Error Print Routine. The position of Sense Switch E then determines whether the machine stops to permit console checking or prints the results with an "ERROR" indication.

Checking Procedure

SENSE SWITCH E ON - Machine stops for errors.

1. Remove the last card in the stacker.
2. Visually check A Field (multiplicand), B Field (multiplier) and Result Should Be Field (product) in the card with Locations 201-205, 221-224, and 241-250 respectively; then check Locations 241-250 with Locations 261-270.
3. Check B ≠ A logic light. Should be OUT if Result Should Be and Result Is Fields are the same; should be ON if not.

SENSE SWITCH E OFF - Machine prints error results. Examples of error print-out:

A Field	B Field	Result Should Be	Result Is	
0246H	A	0000000246H	0000002460	ERROR
1234N	065M	0008073634	0008073630	ERROR
R	8	07K	072	ERROR
R	R	08A	08J	ERROR

SENSE SWITCH C ON - Machine prints correct results. Examples:

0246H	A	0000000246H	0000000246H
1234N	065M	0008073634	0008073634
R	8	07K	07K
R	R	08A	08A

Procedure for Running Multiply Test from Tape

1. Manually enter "1" in Location 858.
2. Set Sense Switch "F" to the OFF position.
   NOTE: This will allow the Multiply Test to be executed with all other tests that may be chained.

Procedure for Running ONLY Multiply Test from Tape

1. Manually enter Block No. 3200 in Locations 873-876, and "1" in Location 858.
2. Set Sense Switch "F" to the ON position.
   NOTE: This will allow only the Multiply Test to be executed, by-passing all the others.