CUSTOMER ENGINEERING TESTS
FOR THE 1401 DATA PROCESSING SYSTEM

Block No. 0060A

TEST FOR ZONE OR WM AND BRANCH

Purpose of Test

To test the Test for Zone or WM and Branch circuitry by using one at a time the nine different characters that may be used as d Modifiers, namely, 1, 2, B, K, S, 3, C, L, and T. Branching will occur when conditions specified by these d Modifiers are met by similar conditions existing in characters located at the B address of the instruction. The program is designed to test for equal zones or word marks and unequal zones or word marks. When errors are detected the machine will either stop or print the results depending upon the setting of Sense Switch E.

Units Required

1401 Processing Unit
1402 Card Reader or 729 Tape Drive
1403 Printer (optional)

Operations Used	Code
Clear	(/)
Set Word Marks	(,)
Load	(L)
Move	(M)
Branch	(B)
Test for Zone or WM and Branch	(V------?)
Print	(2)
Stop (error)	(.)

Method of Test

The complete test block consists of the following cards:

1. Title Card (0A)
2. Two Program Chaining Routine Cards (02-03)
3. Three Title and Headings Print Routine Cards (04-06)
4. Four special program cards to set up instructions that are effective only when tests are run from tape (07-10)
5. Program Instruction Cards (11-56)
6. Detail Cards to test for Equal Zones or Word Marks (57-69)
7. Detail Cards to test for Unequal Zones or Word Marks (70-78)