CUSTOMER ENGINEERING TESTS
FOR THE 1401 DATA PROCESSING SYSTEM

Block No. 0002B

MOVE

Purpose of Test

To move one of eight characters (1, 2, 4, 8, A, B, D, or G) in every storage position of the Processing Unit beyond 040 and manually check storage positions by use of the console.

Units Required

1401 Processing Unit
1402 Card Reader

Operations Used	Code
Set Word Marks	(,)
Move	(M)
Stop	(.)

Method of Test

The complete test block consists of a Title Card numbered 0A in columns 79-80 and eight cards numbered 02 through 09. Each of the eight cards contains six program instructions punched in columns 1 through 39 and a character (1, 2, 4, 8, A, B, D, or G) punched in column 40. Feeding the cards through the machine one at a time, the program is executed in the following manner:

Card Columns and Read-In Locations	INSTRUCTIONS OP	A	B	Remarks
1-7	,	008	015	Load Word Marks in Locations 008 and 015.
8-14	,	022	029	Load Word Marks in Locations 022 and 029.
15-21	,	036	040	Load Word Marks in Locations 036 and 040
22-28	M	040	T99	Move character in 040 to T99 (1399).
29-35	M	T99	T98	Fill the remaining storage positions down to Location 040 with the test character.
36-39	.	022		Stop at Location 040 after executing the program.
40				Location of test character (1, 2, 4, 8, A, B, D, or G) depending upon the card chosen for each test.

Checking Procedure

The operation code (.) in Location 036 stops the machine at position 040 after executing the program. You may check for the test character in Location 041 and others at random by use of the console or repeat the Move operations in Locations 022 and 029 as often as desired merely by depressing the Start Key. By manually changing the operation code in Location 036 from a (.) Stop to a (B) Branch, the move operations for a given card may be repeated indefinitely without stopping the machine. This will permit the use of scoping techniques.