

CUSTOMER ENGINEERING TESTS  
FOR THE 1401 DATA PROCESSING SYSTEM

Sheet 1 of 6  
E.C. 110378  
Part No. 451449

Block No. 9999A

BRANCH ON LAST CARD

Purpose of Test

To test Sense Switch A for last card operations. The program is divided into three operations as follows:

1. ON and cards in the hopper.
2. ON and no cards in the hopper.
3. OFF and no cards in the hopper.

Units Required

1401 Processing Unit  
1402 Card Reader

| <u>Operations Used</u>  | <u>Code</u> |
|-------------------------|-------------|
| Set Word Marks          | (,)         |
| Load                    | (L)         |
| Branch                  | (B---A)     |
| Branch                  | (B---B)     |
| Add                     | (A)         |
| Test Character & Branch | (B-----4)   |
| Stop (error)            | (.)         |
| Stop (program)          | (.)         |

Method of Test

The complete test block consists of the following cards:

1. Title Card (0A)
2. Set Word Marks Card for Loading Routine (02)
3. Program Instruction Cards for first operation (3-14)
4. Program Instruction Cards for second operation (15-23)
5. Program Instruction Cards for third operation (24-35)

NOTE: This test can be chained but other tests cannot be chained after it.

Two Sense Switches are brought into play as follows:

Sense Switch A ON - to control last card operations.  
OFF - to test program without cards in the hopper.

Sense Switch B ON - permits scoping of correct or incorrect results for all three operations as desired.

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