CUSTOMER ENGINEERING TESTS
FOR THE 1401 DATA PROCESSING SYSTEM

Block No. 2020B

BRANCH CHANNEL 9 AND 12

Purpose of Test

To test the Branch on Channel 9 and 12 circuitry for branch and no branch conditions. The program is divided into three operations as follows:

1. Immediate Skip to Channel 1:
   Branch on Channel 9 - if no branch CORRECT; if branch ERROR
   Branch on Channel 12 - if no branch CORRECT; if branch ERROR

2. Immediate Skip to Channel 9:
   Branch on Channel 9 - if branch CORRECT; if no branch ERROR

3. Immediate Skip to Channel 12:
   Branch on Channel 12 - if branch CORRECT; if no branch ERROR

NOTE: Carriage tape is the same one used for the Forms Skipping Test (Block No. 2010A).

Units Required

1401 Processing Unit
1402 Card Reader or 729 Tape Drive (see procedure on page 3)
1403 Printer

Operations Used	Code
Clear	(/)
Set Word Marks	(,)
Immediate Skip to Chan 1	(F1)
Print	(2)
Branch on Chan 9	(B---9)
Branch on Chan 12	(B---@)
Load	(L)
Immediate Skip to Chan 9	(F9)
Immediate Skip to Chan 12	(F@)
Stop (error)	(.)
Stop and Branch (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 (11-96)