CUSTOMER ENGINEERING TESTS
FOR THE 1401 DATA PROCESSING SYSTEM

Block No. 1040A

RIPPLE READ

Purpose of Test

To test the reading of 60 detail cards punched with a 60-character table in ripple fashion. Each card is compared with a stored table. For unequal conditions the machine either stops to permit console checking or prints the card information on the first line and that portion of the stored table to which it was compared on the second line, 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	(,)
Read	(1)
Load	(L)
Add	(A)
Move	(M)
Compare	(C)
Branch	(B)
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 (11-62)
6. 60 unnumbered Detail Cards punched with a 60-character table in ripple fashion.

NOTE: The detail cards furnished with this test may be removed from the deck and replaced by the 60 cards punched in the Ripple Punch Test (Block No. 1030A). The table punched in the detail cards consists of the following characters:

Alphabet	26
Numerals	10
Special Characters (printable)	12
Special Characters (non-printable)	6
Blanks	6
	60