

REPRODUCTION

PRINT-READ

A. PURPOSE OF TEST

TO TEST THE PRINT-READ CIRCUITRY, USING 20 DETAIL CARDS PUNCHED WITH A 60-CHARACTER TABLE IN RIPPLE FASHION.

B. LOADING PROCEDURES

1. PLACE TEST IN 1402 READ HOPPER AND DEPRESS LOAD KEY.-
2. WHEN RUNNING FROM TAPE, ENTER A 1 IN 1261 AND 1263. PLACE DETAIL CARDS IN 1402 READ HOPPER.

C. PROGRAM CONTROL

- B ON PERMITS THE EXECUTION OF THE PRINT-READ INSTRUCTION AS OFTEN AS DESIRED. SINCE THIS INSTRUCTION COMBINES THE OPERATION OF PRINTING ONE LINE AND READING THE NEXT CARD, PRINTING AND CARD FEEDING WILL CONTINUE UNTIL THE READ FEED HOPPER IS EMPTY.
- OFF TO CONTINUE
- D ON MAY BE USED ONLY WHEN THIS TEST IS RUN SEPARATELY. TO REPEAT THE TEST AS OFTEN AS DESIRED THE DETAIL CARDS MUST BE RE-RUN
- OFF TO CONTINUE

D. TEST PROCEDURE

AFTER CLEARING THE READ AREA AND SETTING A WORD MARK IN LOCATION 001, A READ INSTRUCTION IS EXECUTED TO FEED THE FIRST DETAIL CARD. THE INFORMATION IN THE READ AREA IS THEN TRANSFERRED TO THE PRINT AREA. LOCATION 001 IS NEXT TESTED FOR NO-ZONE. IF ZONE IN 001 THE PROGRAM PROCEEDS TO PRINT-READ. IF NO-ZONE THE PROGRAM BRANCHES TO A PRINT-READ AND BRANCH INSTRUCTION. A FAILURE TO BRANCH WILL STOP THE MACHINE.

E. STOPS

459 IN STORAGE ADDRESS REGISTER: ERROR-FAILED TO BRANCH

F. PRINTOUTS

SIMILAR TO TEST 1040.

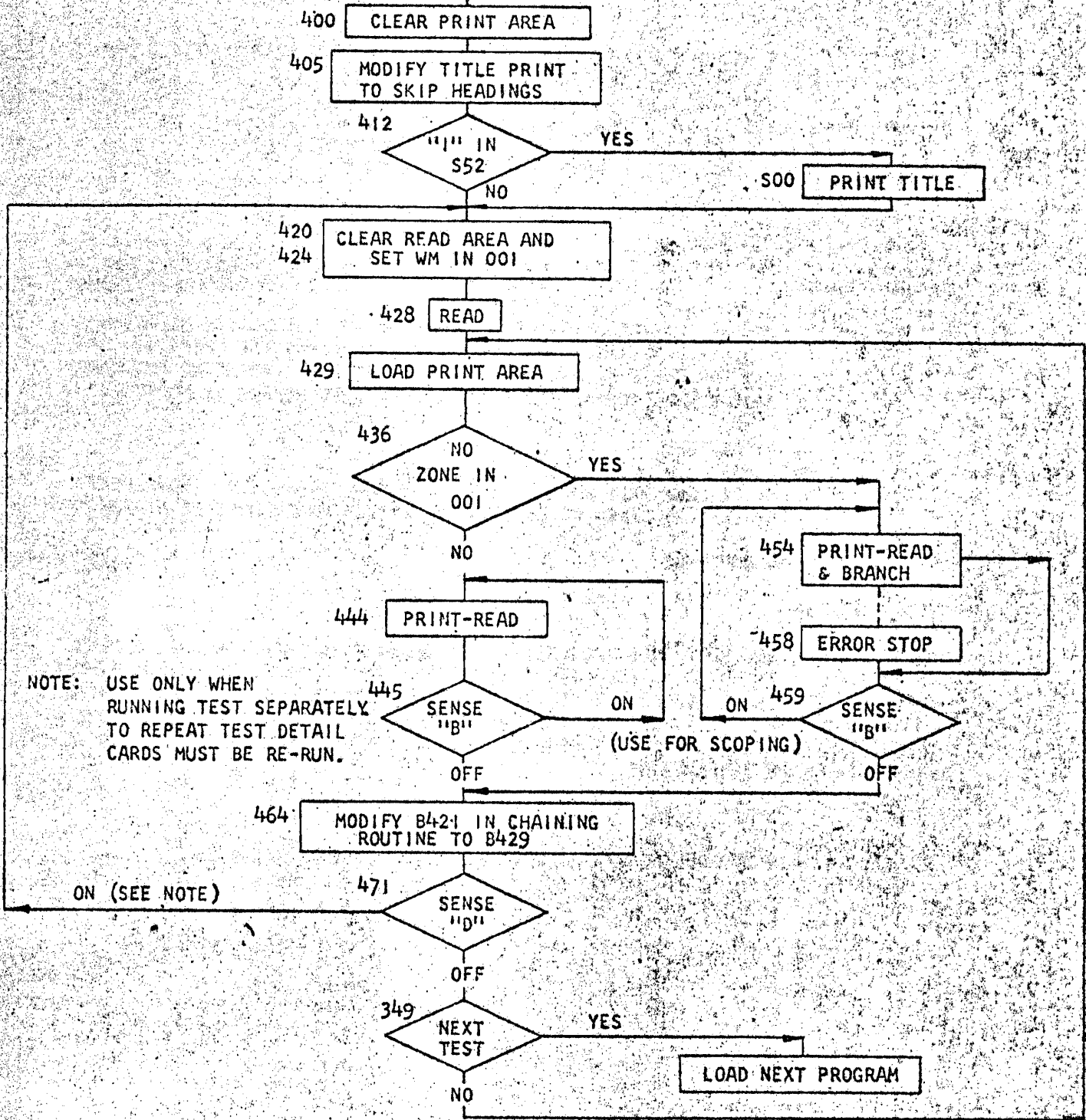
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DIAGNOSTIC FUNCTION TEST

REPRODUCTION

PRINT-READ

FLOW CHART



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PROGRAM LISTING FOR USE WITH FLOW CHART

PRINT-READ

10608

INSTRUCTION ADDRESS	OP	A	B	REMARKS
377	377	B	494 S611	USE WHEN TESTS ARE RUN FROM TAPE
385	385	B	S88	..
393	393	M	388 380	*BYPASS DETAIL CARDS ON TAPE
400	400	/	332	START TEST
404	404	/		..
405	405	B	S00 S521	BR TO TITLE PRINT ROUTINE IF 1 IN S52
413	413	B	420	BRANCH TO CONTINUE
420	420	/	080	CLEAR READ AREA
424	424	,	001	SET WM IN READ AREA
428	428	1		READ
429	429	M	080 280	LOAD PRINT AREA
436	436	V	454 0012	BRANCH IF NO ZONE IN 001
444	444	3		PRINT-READ
445	445	B	444 B	B ON TO SCOPE SS
450	450	B	464	BRANCH TO CONTINUE
454	454	3	459	PRINT-READ AND BRANCH
458	458	.		ERROR STOP IF NO BRANCH
459	459	B	454 B	B ON TO SCOPE SS
464	464	B	420 D	SENSE SW D ON TO LOOP SS
469	469	B	485 348B	BRANCH WHEN TEST IS ON TAPE
477	477	B	361 080A	BRANCH WHEN TEST IS ON CARDS
485	485	B	518 A	BRANCH ON LAST CARD SS
490	490	B	429	REPEAT PROGRAM
494	494	B	393 S631	USE WHEN TESTS ARE RUN FROM TAPE
502	502	B	348	..
506	506	/	080	CLEAR ANY GM WM
510	510	,	001	..
514	514	B	348	BRANCH TO PROGRAM CHAINING ROUTINE
518	518	M	080 280	PRINT LAST CARD
525	525	2	506	..
529	529			WORDMARK

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DIAGNOSTIC FUNCTION TEST

PART NO. 451423
 SHEET 4 OF 5
 BLOCK NO. 10608

REPRODUCTION

TABLE OF UNPRINTABLE CHARACTERS

LP-LEFT PARENTHESIS	12 5 8	SE-SEMICOLON	11 6 8	DE-DELTA	11 7 8
WS-WORD SEPARATOR	0 5 8	LT-LESS THAN	12 6 8	PZ-PLUS ZERO	12 0
TS-TAPE SEGMENT MARK	0 7 8	GT-GREATER THAN	6 8	TM-TAPE MARK	7 8
GM-GROUP MARK	12 7 8	MZ-MINUS ZERO	11 0	CO-COLON	5 8
RP-RIGHT PARENTHESIS	11 5 8	AP-APOSTROPHE	0 6 8		
,008015,022029,033033N	1001	PRINT-READ		1060B	0A
,008015,022029,033033N	1001	SET WORDMARK CARD		1060B	02
L067367,340344,348349,3573611001,008012,001100118361080AB429/340080				1060B	03
L069404,377385,393400,4044051001		B494S6118S88	M388380/332/	1060B	04
L071443,413420,424428,42943610018S00S5218420		/080,0011M080280V4540012		1060B	05
L057468,445450,454458,459464100138444884643459.B45488420D				1060B	06
L069505,477485,490494,5025061001B48534888361080AB518AB429B393S6318348				1060B	07
L072545,510514,518525,5295291001/080,001B348M0802802506				1060B	08
L053520,501505,512513,51752110012,049L0772772/2772420				1060B	09
/333080N	1001	CLEAR WORDMARK CARD		1060B	10
,019027,031,0380428031798GB400L046352BW048S88		PRINT-READ		1060B	11

DETAIL CARDS

AKT4	BLU5GCMV6	DNW7DEOX8	FPY9TGQZO	HR#TI-	,a	+\$%IP.	*/2	□JS3MAKT4	BLU5GCM1060B	12
	M	E	S	M		Z		Z	M	
KT4	BLU5GCMV6	DNW7DEOX8	FPY9TGQZO	HR#TI-	,a	+\$%IP.	*/2	□JS3MAKT4	BLU5GCMV1060B	13
	M	E	S	M		Z		Z	M	
T4	BLU5GCMV6	DNW7DEOX8	FPY9TGQZO	HR#TI-	,a	+\$%IP.	*/2	□JS3MAKT4	BLU5GCMV61060B	14
	M	E	S	M		Z		Z	M	
4	BLU5GCMV6	DNW7DEOX8	FPY9TGQZO	HR#TI-	,a	+\$%IP.	*/2	□JS3MAKT4	BLU5GCMV6	1060B
	M	E	S	M		Z		Z	M	
	BLU5GCMV6	DNW7DEOX8	FPY9TGQZO	HR#TI-	,a	+\$%IP.	*/2	□JS3MAKT4	BLU5GCMV6	D1060B
	M	E	S	M		Z		Z	M	
	BLU5GCMV6	DNW7DEOX8	FPY9TGQZO	HR#TI-	,a	+\$%IP.	*/2	□JS3MAKT4	BLU5GCMV6	DN1060B
	M	E	S	M		Z		Z	M	
	LUSGCMV6	DNW7DEOX8	FPY9TGQZO	HR#TI-	,a	+\$%IP.	*/2	□JS3MAKT4	BLU5GCMV6	DNW1060B
	M	E	S	M		Z		Z	M	
	USGCMV6	DNW7DEOX8	FPY9TGQZO	HR#TI-	,a	+\$%IP.	*/2	□JS3MAKT4	BLU5GCMV6	DNW71060B
	M	E	S	M		Z		Z	M	
	SGCMV6	DNW7DEOX8	FPY9TGQZO	HR#TI-	,a	+\$%IP.	*/2	□JS3MAKT4	BLU5GCMV6	DNW7D1060B
	M	E	S	M		Z		Z	M	
	GCMV6	DNW7DEOX8	FPY9TGQZO	HR#TI-	,a	+\$%IP.	*/2	□JS3MAKT4	BLU5GCMV6	DNW7DE1060B
	E	S	M			Z		Z	M	
	CMV6	DNW7DEOX8	FPY9TGQZO	HR#TI-	,a	+\$%IP.	*/2	□JS3MAKT4	BLU5GCMV6	DNW7DE01060B
	E	S	M			Z		Z	M	
	MV6	DNW7DEOX8	FPY9TGQZO	HR#TI-	,a	+\$%IP.	*/2	□JS3MAKT4	BLU5GCMV6	DNW7DEOX1060B
	E	S	M			Z		Z	M	
	V6	DNW7DEOX8	FPY9TGQZO	HR#TI-	,a	+\$%IP.	*/2	□JS3MAKT4	BLU5GCMV6	DNW7DEOX81060B
	E	S	M			Z		Z	M	
	6	DNW7DEOX8	FPY9TGQZO	HR#TI-	,a	+\$%IP.	*/2	□JS3MAKT4	BLU5GCMV6	DNW7DEOX8
	E	S	M			Z		Z	M	
	DNW7DEOX8	FPY9TGQZO	HR#TI-	,a	+\$%IP.	*/2	□JS3MAKT4	BLU5GCMV6	DNW7DEOX8	F1060B
	E	S	M			Z		Z	M	
	DNW7DEOX8	FPY9TGQZO	HR#TI-	,a	+\$%IP.	*/2	□JS3MAKT4	BLU5GCMV6	DNW7DEOX8	FP1060B
	E	S	M			Z		Z	M	

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NW7DEOX8 FPY9TGQZO HR#TI-,@ +\$%1P.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY1060B 28
 E S M Z Z M E
 W7DEOX8 FPY9TGQZO HR#TI-,@ +\$%1P.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY91060B 29
 E S M Z Z M E
 7DEOX8 FPY9TGQZO HR#TI-,@ +\$%1P.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9T1060B 30
 E S M Z Z M E S
 DEOX8 FPY9TGQZO HR#TI-,@ +\$%1P.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TG1060B 31
 S M Z Z M E S

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