

1401 DATA PROCESSING SYSTEM
DIAGNOSTIC FUNCTION TEST

PROGRAM LISTING FOR USE WITH FLOW CHART

PUNCH FEED READ 3600D

INSTRUCTION ADDRESS	OP	A	B	REMARKS
377	377	B	400 S721	USE WHEN TESTS ARE RUN FROM TAPE
385	385	B	588	''
400	400	/	332	START TEST
404	404	/		
405	405	B	500 S521	BR TO TITLE PRINT ROUTINE IF 1 IN S52
413	413	□	721 741	EXPAND RIPPLE TABLE TO 160 CHARACTERS
420	420	□	761	''
424	424	L	780 860	''
431	431	□	781	''
435	435	M	903 453	SET A ADDR OF MOVE INSTR IN 450 TO 780
442	442	/	180	CLEAR PUNCH AREA
446	446	,	101	''
450	450	M	780 180	*MOVE RIPPLE TABLE TO PUNCH AREA
457	457	4		PUNCH
458	458	N	000 0	NOP
463	463	K	4	SELECT 4 IF NO PUNCH ERROR
465	465	A	400 453	ADD 1 TO A ADDR OF MOVE INSTR IN 450
472	472	C	453 906	TEST IF LAST CARD HAS BEEN PUNCHED
479	479	B	442 /	BRANCH TO PUNCH NEXT CARD IF NOT LAST
484	484	B	435 D	D ON TO REPEAT PUNCHING
489	489	/	180	PUNCH BLANK CARD TO SELECT LAST
493	493	4		CARD RIPPLE PUNCHED
494	494	B	499	BRANCH TO STOP
499	499	.		STOP TO RELOAD STACKER 4 CARDS TO PUNCH
500	500	M	909 534	SET A ADDR OF COMP INSTR IN 531 TO 779
507	507	M	909 676	SET A ADDR OF MOVE INSTR IN 673 TO 779
514	514	/	299	CLEAR PRINT, PUNCH + READ AREAS
518	518	/		''
519	519	/		''
520	520	,	001 101	SET WORD MARKS TO STOP MOVE INSTR
527	527	B	549	BRANCH TO PUNCH FEED READ
531	531	C	XXX 080	*TEST FOR ERROR IN READING RIPPLE INFO
538	538	I		READ
539	539	B	630 /	BRANCH TO ERROR PRINT ROUTINE IF ERROR
544	544	B	642 C	C ON TO CORRECT PRINT
549	549	4	555 R	PUNCH FEED READ + BRANCH
554	554	.		ERROR STOP IF NO BRANCH
555	555	N	000 0	NOP
560	560	K	4	SELECT STACKER 4 IF NO PUNCH ERROR
562	562	M	040 180	MOVE READ AREA TO PUNCH AREA
569	569	M	080	''
573	573	/	299	CLEAR PRINT AREA

DATE	2-2-61	3-13-61	2-15-62	6-29-63				
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