

1401 DATA PROCESSING SYSTEM
DIAGNOSTIC FUNCTION TEST

PROGRAM LISTING FOR USE WITH FLOW CHART

PUNCH FEED READ

3600E

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	1		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
577	577	M 080	280	MOVE READ AREA TO PRINT AREA

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