

SPACE SUPPRESSION

PURPOSE OF TEST

TO TEST THE SPACE SUPPRESSION CIRCUITRY BY A PRINT AND SPACE SUPPRESS OPERATION.

UNITS REQUIRED

- 1401 PROCESSING UNIT
- 1402 CARD READER OR 729 TAPE DRIVE
- 1403 PRINTER

SENSE SWITCHES

- SENSE SWITCH B ON - USED FOR SCOPING
- SENSE SWITCH D ON - REPEATS PROGRAM AS OFTEN AS DESIRED.

METHOD OF TEST

THE COMPLETE TEST BLOCK CONSISTS OF THE FOLLOWING CARDS:

1. TITLE CARD (0A)
2. SET WORD MARK CARD (02)
3. PACKED INSTRUCTIONS (03-14)
4. CLEAR WORD MARK CARD (15)
5. TRAILER CARD (16)

THREE TESTS ARE MADE BY LOADING COMMENTS TO THREE SEPARATE PRINT AREAS AND PERFORMING A PRINT-SPACE SUPPRESS AFTER EACH LOAD OPERATION. THE COMPLETED LINE OF PRINT SHOULD CONTAIN ALL THREE AREAS ON ONE LINE.

DESCRIPTION OF TEST

DETAIL CARDS (41-43) CONTAINING THE COMMENT ARE LOADED INTO STORAGE POSITIONS 530 TO 661 DURING THE PROGRAM LOADING ROUTINE. THE FIRST PART OF THE COMMENT IS LOADED INTO STORAGE POSITIONS 201 TO 214 AND A PRINT-SPACE SUPPRESSION OPERATION IS EXECUTED. PRINT POSITIONS 201-214 ARE THEN CLEARED AND THE SECOND PART OF THE COMMENT IS LOADED INTO STORAGE POSITIONS 215-276. A PRINT, BRANCH, AND SPACE SUPPRESSION OPERATION IS NOW EXECUTED. IF THE PROGRAM DID NOT BRANCH THE MACHINE WILL HALT AND BRANCH TO LOCATION 447. IF A PRINT-BRANCH-SPACE SUPPRESS OPERATION WAS EXECUTED, THE SECOND COMMENT IS CLEARED AND THE THIRD COMMENT IS LOADED IN STORAGE POSITIONS 277-332. A NORMAL PRINT IS EXECUTED, AND THE ENTIRE PRINT AREA IS CLEARED.

THE PRINT AND SPACE SUPPRESS FEATURE IS WORKING CORRECTLY IF THE THREE COMMENT AREAS ARE PRINTED ON ONE LINE FORMING A SENTENCE. IF SENSE SWITCH D IS NOT USED THE ENTIRE PRINT OUT WILL CONSIST OF FOUR GROUPS OF THREE SENTENCES WITH A SPACE BETWEEN EACH GROUP.

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ENG. CHG. NO.	115283	1459					

DIAGNOSTIC FUNCTION TEST REPRODUCTION

PROCEDURE FOR RUNNING TEST BLOCK 2030 FROM TAPE

1. MANUALLY ENTER A "1" IN S55
2. SET SENSE SWITCH "F" TO THE OFF POSITION.

NOTE: THIS WILL ALLOW THE TEST TO BE EXECUTED WITH ALL OTHER TESTS THAT MAY BE CHAINED

PROCEDURE FOR RUNNING ONLY BLOCK 2030 FROM TAPE

1. MANUALLY ENTER BLOCK 2030 IN LOCATIONS S73-S76
2. MANUALLY ENTER A "1" IN S55.
3. SET SENSE SWITCH "F" TO THE ON POSITION.

NOTE: THIS WILL ALLOW ONLY THIS PARTICULAR TEST TO BE EXECUTED, BY-PASSING ALL OTHERS.

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DIAGNOSTIC FUNCTION TEST
REPRODUCTION

PROGRAM LISTING FOR USE WITH FLOW CHART

SPACE SUPPRESS 2030B

INSTRUCTION ADDRESS	OP	A	B	REMARKS
377	377	B	369 555	USE WHEN TESTS ARE RUN FROM TAPE
388	388	B	588	
389	389	N	000	
398	393	M	360 393	
400	400	/	332	START TEST
404	404	/		
405	405	L	525 522	ELIMINATE HEADING PRINT
412	412	B	500 552	PRINT TITLE IF 1 IN 552
420	420	2	S	PRINT AND SPACE SUPPRESS
422	422	B	420 B	BRANCH ON B FOR SCOPING
427	427	L	543 214	LOAD FIRST COMMENT TO PRINT AREA
434	434	2	S	PRINT AND SPACE SUPPRESS
436	436	/	214	CLEAR FIRST COMMENT
440	440	L	605 276	LOAD SECOND COMMENT TO PRINT AREA
447	447	2	456 S	PRINT, BRANCH AND SPACE SUPPRESS
452	452	.	447	HALT IF NO BRANCH
458	458	/	276	CLEAR SECOND COMMENT
460	460	L	661 332	LOAD THIRD COMMENT TO PRINT AREA
467	467	2		PRINT
468	468	/	332	CLEAR PRINT AREA
472	472	/		
478	473	A	529 526	ADD 1 TO LINE COUNTER
480	480	B	492 526	BRANCH IF THREE LINES ARE PRINTED
488	488	B	422	BRANCH IF THREE LINES NOT PRINTED
492	492	F	J	SPACE ONE
494	494	L	528 524	RESTORE LINE COUNTER
501	501	B	422 D	BRANCH ON D FOR REPEAT
506	506	A	529 527	ADD 1 TO GROUP COUNTER
513	513	B	348 527	BRANCH TO CHAIN ROUT. IF 4 GROUPS
521	521	B	422	BRANCH TO REPEAT IF NOT 4 GROUPS
526	526	0		LINE COUNTER
527	527	0		GROUP COUNTER
528	528	0		LINE COUNTER RESTORE DIGIT
529	529	1		COUNTER INCREMENT
530	530	S	PAC E SUPPRESS	
546	546	M	ORK ING PROPERLY, IF THIS SENTENCE IS ON 1 LINE AND PRINTING	
600	600	I	S I N GROUPS OF THREE WITH A BLANK SPACE BETWEEN GROUPS.	

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1401 DATA PROCESSING SYSTEM
 DIAGNOSTIC FUNCTION TEST
REPRODUCTION

TABLE OF UNPRINTABLE CHARACTERS

LP-LEFT PARENTHESIS	12 5 8	SE-SEMICOLON	11 6 8	DE-DELTA	13 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		

.0080151022029,033033N	1001	SPACE SUPPRESS	20308 0A
.0080151022029,033033N	1001	SET WORDMARK CARD	20308 02
L068367,340344,348349,3573611001,008012,001100118361080A8421/340080			20308 03
L069404,377385,389398,4004041001		838955518588N000M360392/3327	20308 04
L067439,412420,422427,4344361001L525S228S0055212S8420BL5432142S/21A			20308 05
L064471,447452,454460,4674681001L6052762456S.447/276L6613322/332			20308 06
L066505,473480,488492,4945011001/A529526B4925263B422#JL528526B422D			20308 07
L054529,513521,526627,5285291001A529527834852748422 0001			20308 08
L072569,546545,545545,5455451001		SPACE SUPPRESS WORKING PROPERLY, IF THIS	20308 09
L068605,678570,606606,6868061001		SENTENCE IS ON 1 LINE AND PRINTING	20308 10
L072645,801001,001001,0010011001		IS IN GROUPS OF THREE WITH A BLANK SPACE	20308 11
L072685,8646646,001001,0010011001		BETWEEN GROUPS.	20308 12
L057624,501505,512613,51751810012,049L0772772/2772n/40/60			20308 13
L052544,629536,637541,6455451001n/80L/892702/2702413			20308 14
/338080N		CLEAR WORDMARK CARD	20308 15
.019027,031,0380428031T98CB480L046352B404BS88		SPACE SUPPRESS	20308 16

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