

CHANNEL 9 + 12 LATCH TEST 2020C

REPRODUCTION

A. PURPOSE:

TO TEST THE CARRIAGE 9 AND 12 LATCH AS FOLLOWS.

1. RESET BY ANY HOLE IN CARRIAGE TAPE.
2. SET BY 9 OR 12 HOLE IN CARRIAGE TAPE.
3. NOT RESET BY CARRIAGE MOVEMENT THAT DOES NOT SENSE A HOLE.
4. RESET BY A SKIP AFTER PRINT COMMAND.
5. CHECK BRANCH ON CHANNEL 9 AND 12 OPERATION.

NOTE: SINGLE SPACE AND SKIP TO 3 ARE USED IN THIS TEST

TO RUN THIS TEST WITHOUT ERROR, FIELD BILL 485453 FOR STAGE 1 OR FIELD BILL 485445 FOR STAGE 2 MUST BE INSTALLED. THE FIELD BILLS ARE UNNECESSARY IF THE MACHINES ARE AT OR BEYOND THE FOLLOWING E.C. LEVELS.

STAGE 1	E.C. 110284	LOGIC PAGE 36.46.11.1
STAGE 2	E.C. 110443	LOGIC PAGE 36.43.21.2

THIS CHANGE CAUSES THE RESET OF THE 9 AND 12 LATCHES BY A SKIP AFTER COMMAND ANDED WITH SP SK GATE.

B. LOADING PROCEDURES:

PLACE TEST IN 1402 READ HOPPER AND DEPRESS LOAD KEY. THE PROGRAM WILL COME TO A HALT, LOCATION 421, AFTER THE TITLE PRINT ROUTINE TO ALLOW OPERATOR TO INSTALL THE CARRIAGE TAPE. THE TEST NOW CAN BE STARTED BY PRESSING THE START KEY. WHEN RUNNING TEST FROM TAPE ENTER A 1 IN 1255.

C. PROGRAM CONTROL:

1. CHECKING PROCEDURE:

WITH SENSE SWITCHES B AND E BOTH OFF, ERRORS WILL PRINT OUT. SWITCH D MAY BE USED TO LOOP PROGRAM.

WITH SENSE SWITCH B ON AND E OFF, ERRORS WILL NOT PRINT. THE PROGRAM WILL LOOP WITHOUT A HALT. THE CARRIAGE CAN BE DISENGAGED OR THE PAPER REMOVED.

WITH SENSE SWITCH B ON AND E ON, ERRORS WILL NOT PRINT. THE PROGRAM HALTS AT THE PARTICULAR ERROR STOP. THE CARRIAGE LOCATION MAY BE EXAMINED, AND THE PROGRAM WILL LOOP WHEN THE START KEY IS DEPRESSED.

DATE	2-2-61	5-15-62	27.7.62				
S. CHG. NO.	110378	115283	1459				

DIAGNOSTIC FUNCTION TEST

PART NO. 451428  
SHEET 2 of 16  
BLOCK NO. 20200

C. (CONTINUED)

REPRODUCTION

2. SENSE SWITCHES:

- B ON        LOOPS PROGRAM WHEN ERROR OCCURS WITHOUT PRINTING ERRORS
- B OFF        ALLOWS ERRORS TO PRINT DEPENDENT ON SENSE SWITCH E.
- C ON        CAUSES CORRECT OPERATION TO PRINT OUT
- C OFF        PREVENTS CORRECT OPERATION FROM PRINTING.
- D ON        LOOPS PROGRAM
- D OFF        ALLOWS PROGRAM TO END WHEN ERRORS DO NOT OCCUR
- E ON        CAUSES PROGRAM TO HALT ON ERROR
- E OFF        ALLOWS ERRORS TO PRINT IF SENSE SWITCH B IS OFF.
- F            USED WHEN TEST IS RUN FROM TAPE -- MAGNETIC

D. TEST PROCEDURE:

THE CARRIAGE MOVES TO CHANNEL 4, AN INITIAL CHECK IS MADE OF THE 9 AND 12 LATCHES FOR AN OFF CONDITION. FROM THIS POINT ON ONLY THE 9 OR 12 LATCH, WHICHEVER IS APPROPRIATE, WILL BE CHECKED.

THE CARRIAGE NOW MOVES INTO THE 12 HOLE AND THE 12 LATCH IS CHECKED FOR AN ON STATUS. THE CARRIAGE MOVES AND AGAIN THE 12 LATCH IS CHECKED FOR AN ON STATUS. THE CARRIAGE MOVES UNTIL IT IS ONE SPACE BEFORE THE 5 HOLE AND THE 12 LATCH IS AGAIN CHECKED FOR AN ON STATUS. THE CARRIAGE MOVES TO THE 5 HOLE AND THE ABOVE TEST IS REPEATED FOR THE 5 CHANNEL. THE SAME TEST OCCURS FOR THE 6, 7, 8, AND 9 CHANNELS. NEXT A TEST IS MADE FOR CHANNELS 10, 11, 12, 1, 2, AND 3. IN THIS PORTION OF THE TEST THE 9 LATCH IS USED FOR TESTING.

AT THIS POINT A CHANGE IN PROCEDURE IS MADE. THE PROGRAM IS ALTERED SO WHEN THE CARRIAGE IS ONE SPACE BEFORE A CHANNEL HOLE THE APPROPRIATE 9 OR 12 LATCH IS RESET BY A SKIP AFTER PRINT COMMAND, A TEST IS MADE, AND A SPACE OCCURS. THIS TEST IS REPEATED FOR CHANNELS 4 THROUGH 3 AND THE TEST ENDS.

E. STOPS

STOR. ADDR.  
REGISTER

ERROR STOPS WILL ONLY OCCUR IF SENSE SWITCH E IS ON.

- 161        INITIAL ERROR - THE 9 OR 12 LATCH WAS ON AT THE END OF THE INITIAL SPACE TO 4.
- 421        INSTALL CARRIAGE TAPE AND DEPRESS START
- 821        ERROR #1    12 LATCH ON - NOT RESET BY CHANNEL HOLE.
- 841        ERROR #2    12 LATCH OFF - DID NOT COME ON FOR 12 HOLE.
- 861        ERROR #3    12 LATCH OFF - WENT OFF WHEN NO HOLE WAS SENSED.

NOTE: ON A BUFFERED MACHINE WITH SENSE SWITCH C ON THIS ERROR TESTS THE CONDITION STATED FOR ERROR 2.

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REPRODUCTION

E. (CONTINUED)

STOR ADDR REGISTER

ERROR STOPS WILL ONLY OCCUR IF SENSE SWITCH E IS ON

- 881 ERROR #4 12 LATCH OFF - WENT OFF ONE SPACE BEFORE NEXT CHANNEL
- 901 ERROR #5 12 LATCH ON - NOT RESET BY SKIP AFTER PRINT COMMAND.
- 921 ERROR #6 9 LATCH ON - NOT RESET BY CHANNEL HOLE.
- 941 ERROR #7 9 LATCH OFF - DID NOT COME ON FOR 9 HOLE.
- 961 ERROR #8 9 LATCH OFF - WENT OFF WHEN NO HOLE WAS SENSED.

NOTE: ON A BUFFERED MACHINE WITH SENSE SWITCH C ON THIS ERROR TESTS THE CONDITION STATED FOR ERROR 7.

- 981 ERROR #9 9 LATCH OFF - WENT OFF ONE SPACE BEFORE NEXT CHANNEL.
- 1001 ERROR #10 9 LATCH ON - NOT RESET BY SKIP AFTER PRINT COMMAND.
- 1021 PROGRAM WILL STOP HERE ON ANY ERROR IF NOT IN A LOOP.
- 1086 END OF TEST - NO ERRORS, DEPRESS START TO CONTINUE TO NEXT TEST.

F. PRINTOUTS

CORRECT PRINTOUTS WITH SENSE SWITCH C ON

- PREVIOUS CHANNEL TESTED OK 09 LATCH 10 CHANNEL TYPE OF ERROR
- PREVIOUS CHANNEL TESTED OK SKIP AFTER 12 LATCH 08 CHANNEL TYPE OF ERROR
- ETC. FOR ALL CHANNELS

ERROR PRINTOUTS WITH SENSE SWITCH E OFF

INITIAL ERROR LATCHES FAILED OR CARRIAGE DID NOT GO TO FOUR.

- 12 LATCH 04 CHANNEL TYPE OF ERROR 03
- PREVIOUS CHANNEL TESTED OK SKIP AFTER 12 LATCH 04 CHANNEL TYPE OF ERROR 05
- ETC. FOR ALL CHANNELS AND ERROR CONDITIONS

G. COMMENTS

ESSENTIALLY THE CARRIAGE TAPE IS PUNCHED EVERY 8 SPACES. EACH CHANNEL PUNCH IS FOLLOWED WITH A 9 OR 12 PUNCH FOR CHECKING CORRECT OPERATION.

THIS IS THE SAME CARRIAGE TEST TAPE AS USED WITH TEST 2000C, 2005A, 2010B.

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DIAGNOSTIC FUNCTION TEST

REPRODUCTION

G. (CONTINUED)

THE CARRIAGE TEST TAPE IS PUNCHED AS FOLLOWS:

LINE	HOLE	LINE	HOLE	LINE	HOLE
1	1	33	5	65	9
2	9	34	12	66	12
9	2	41	6	73	10
10	9	42	12	74	9
17	3	49	7	81	11
18	9	50	12	82	9
25	4	57	8	89	12
26	12	58	12	90	9

SPLICE TAPE SO THE 0 AND 96 COINCIDE

----- SERVICE AIDS -----  
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IF THIS TEST FAILS, CHANGE THE IOMS "CARRIAGE-INTERLOCK-CONTROL" SINGLE SHOT ON 36.44.11.1 OR 36.46.21.2 TO 20 MS AND TRY THE TEST AGAIN. IF THE TEST DOESN'T FAIL THE SECOND TIME, THE TROUBLE IS PROBABLY DUE TO THE BYPASS NEEDLE VALVE ADJUSTMENT IN THE HYDRAULIC UNIT. IF THE TEST FAILS THE SECOND TIME, THE TROUBLE IS PROBABLY DUE TO THE 4.5MS E2-BRUSH SINGLE SHOT ADJUSTMENT, TO THE FAILURE OF A FORMS OP TO INTERLOCK AFTER A FORMS OP, OR TO THE IMPROPER RELATIONSHIP BETWEEN THE E1-BRUSH AND THE CARRIAGE CHANNEL BRUSHES.

NOTE: LEAVE MACHINE WITH THE IOMS SINGLE SHOT SET AT IOMS.

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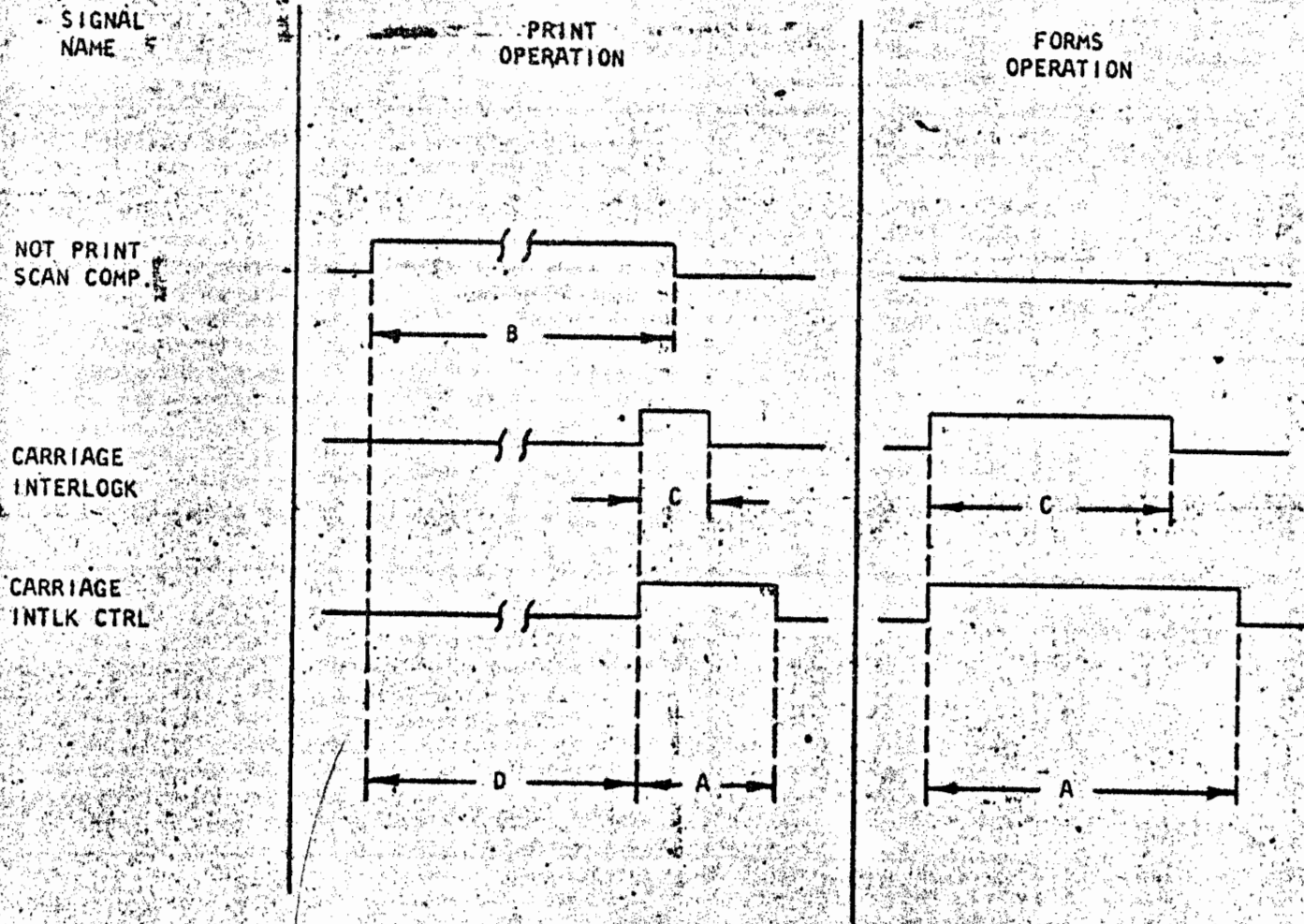
# REPRODUCTION

## INTERLOCKS DUE TO FORMS CONTROL

INSTRUCTION CALLED FOR	SIGNAL CAUSING INTERLOCK	INTERLOCK CONDITION	
		PRINT BUFFER	WITHOUT BUFFER
FORM CONTROL	CARR INLK CTRL SEE A ON NEXT PAGE	INTERLOCKS UNTIL END OF CARRIAGE OPERATION	SAME AS BUFFER
	NOT PRINT SCAN COMPLETE SEE B ON NEXT PAGE	INTERLOCKS UNTIL END OF PRINT BUT CARRIAGE OPERATION OCCURRING CAUSES THE INTERLOCK TO BE EFFECTIVE UNTIL THE END OF THE CARR INLK CTRL SIGNAL.	SAME AS BUFFER BECAUSE PRINT OPERATION MUST END BEFORE FORMS OP CAN BE SET UP AND THE CARRIAGE WILL BE OPERATING AT THE END OF THE PRINT OP.
BRANCH ON CHANNEL 9 OR 12	CARR INLK SEE C ON NEXT PAGE	INTERLOCKS UNTIL END OF CARRIAGE OPERATION	DOES NOT INTERLOCK. CHECKS IMMEDIATELY FOR CONDITION. CHECK IS MADE ANY PLACE DURING THE CARRIAGE OPERATION THAT COINCIDES WITH THE BRANCH TEST.
	NOT PRINT SCAN COMPLETE SEE D ON NEXT PAGE	DOES NOT INTERLOCK. CHECKS POSITION OF CARRIAGE AT PRINT LINE.	EFFECTIVE INTERLOCK UNTIL PRINT OPERATION IS OVER BECAUSE BRANCH OP CANNOT SET UP UNTIL PRINTING IS OVER. CHECKS CARRIAGE LOCATION OF PRINT LINE PLUS 1 BECAUSE CARRIAGE IS MOVING -- REGARDLESS OF HOW FAR CARRIAGE MOVES.

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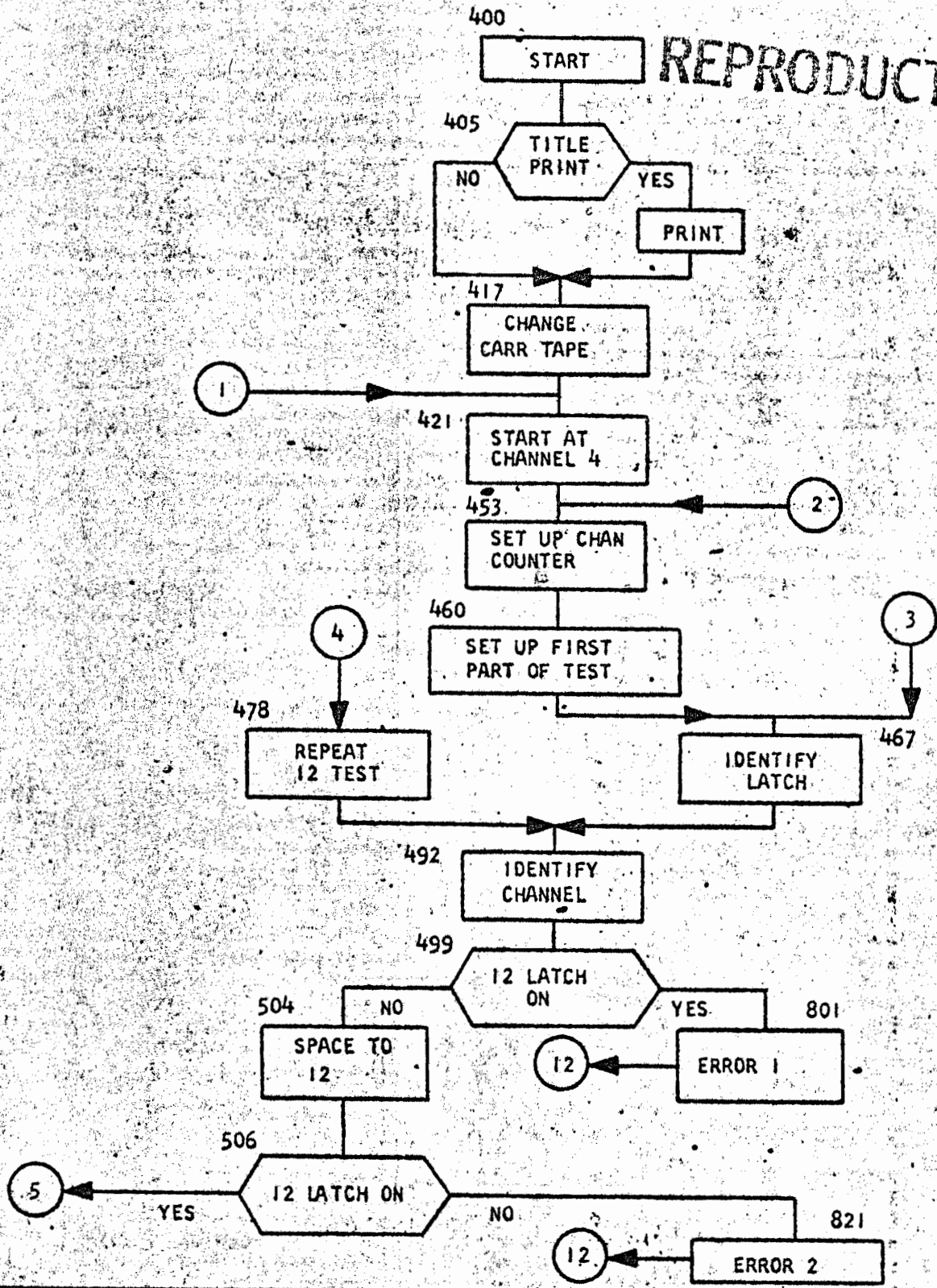
REPRODUCTION



NOTE: FOR INTERLOCK CONDITIONS A, B, C AND D  
SEE PREVIOUS PAGE

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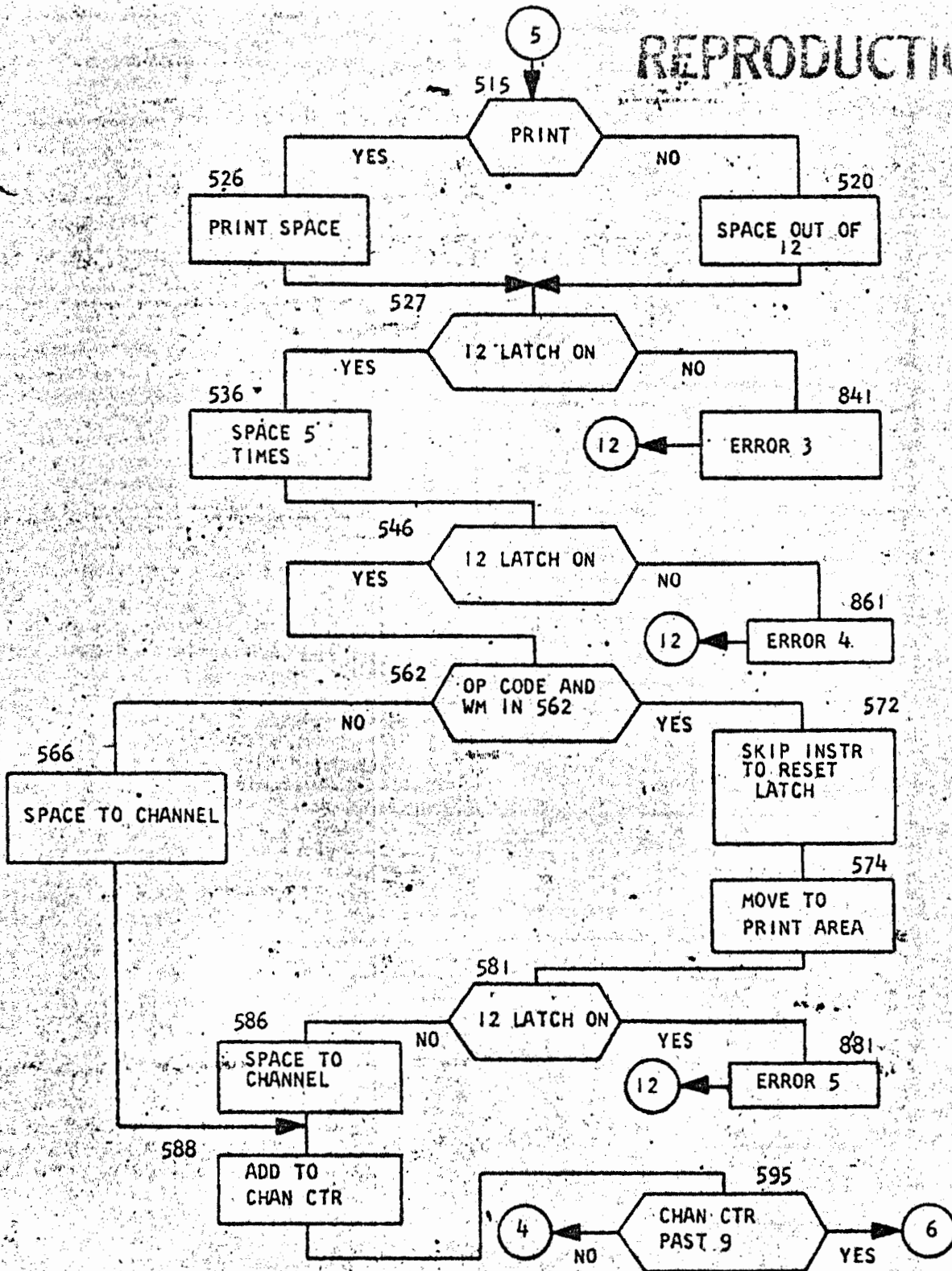
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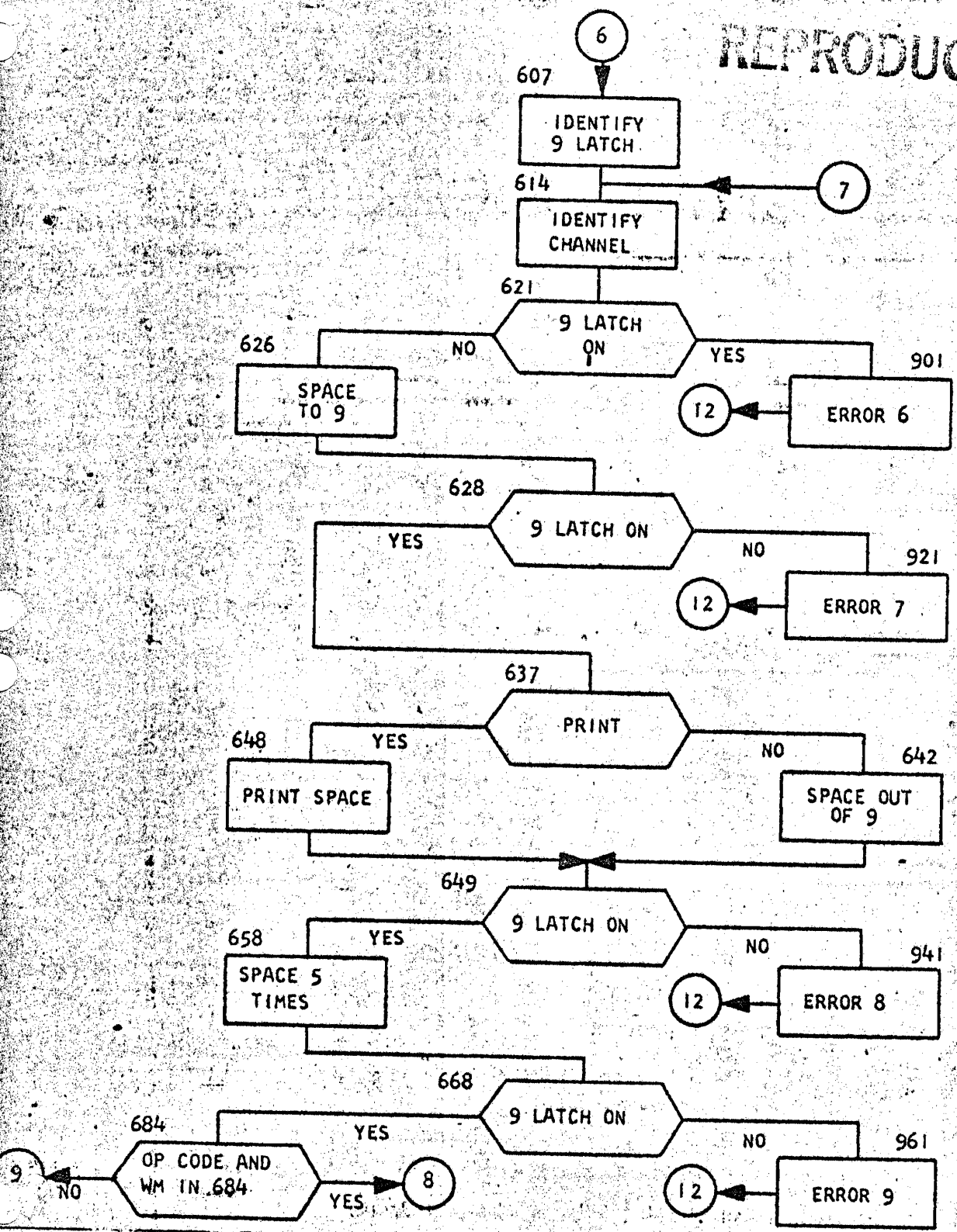
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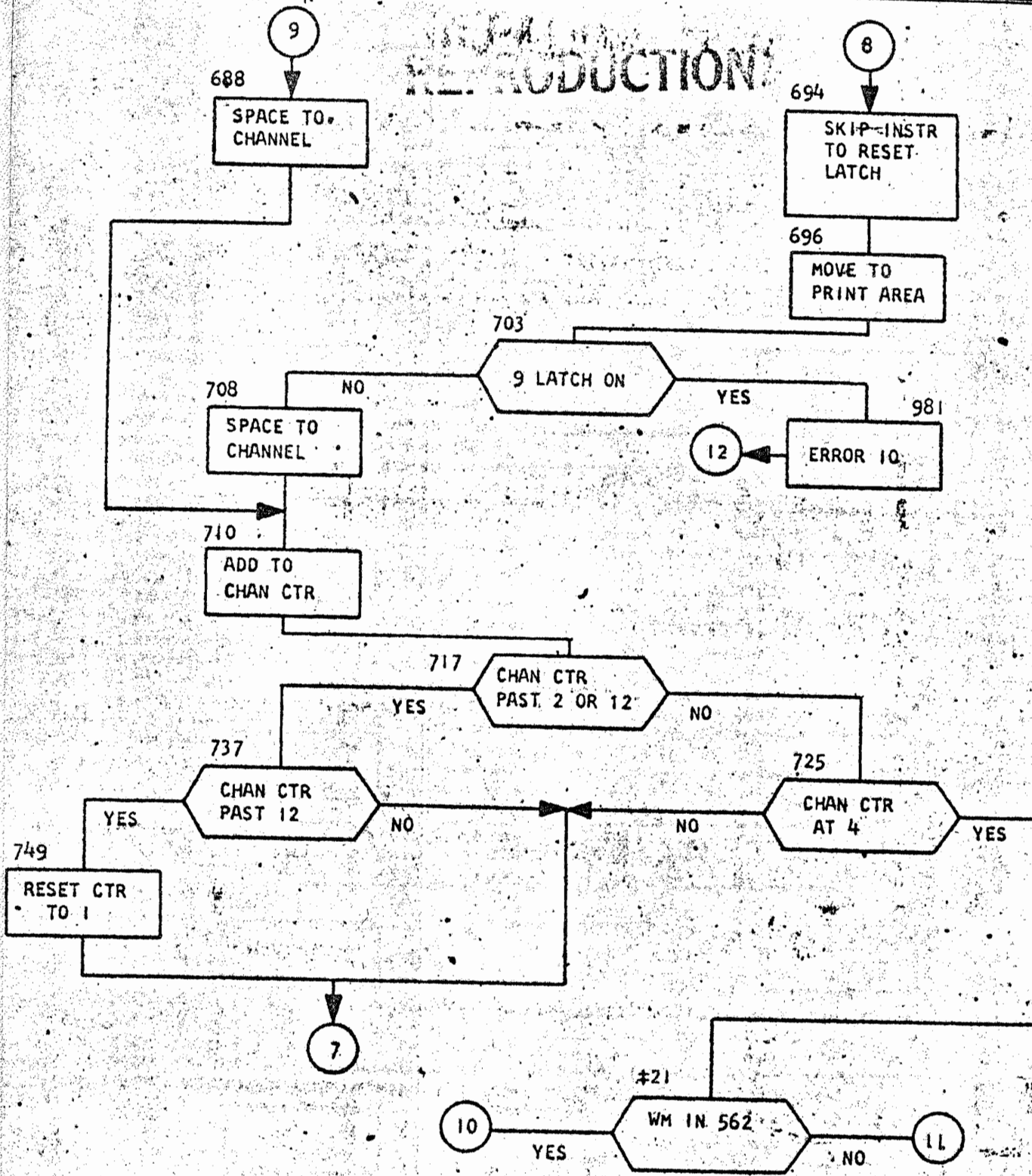


REPRODUCTION



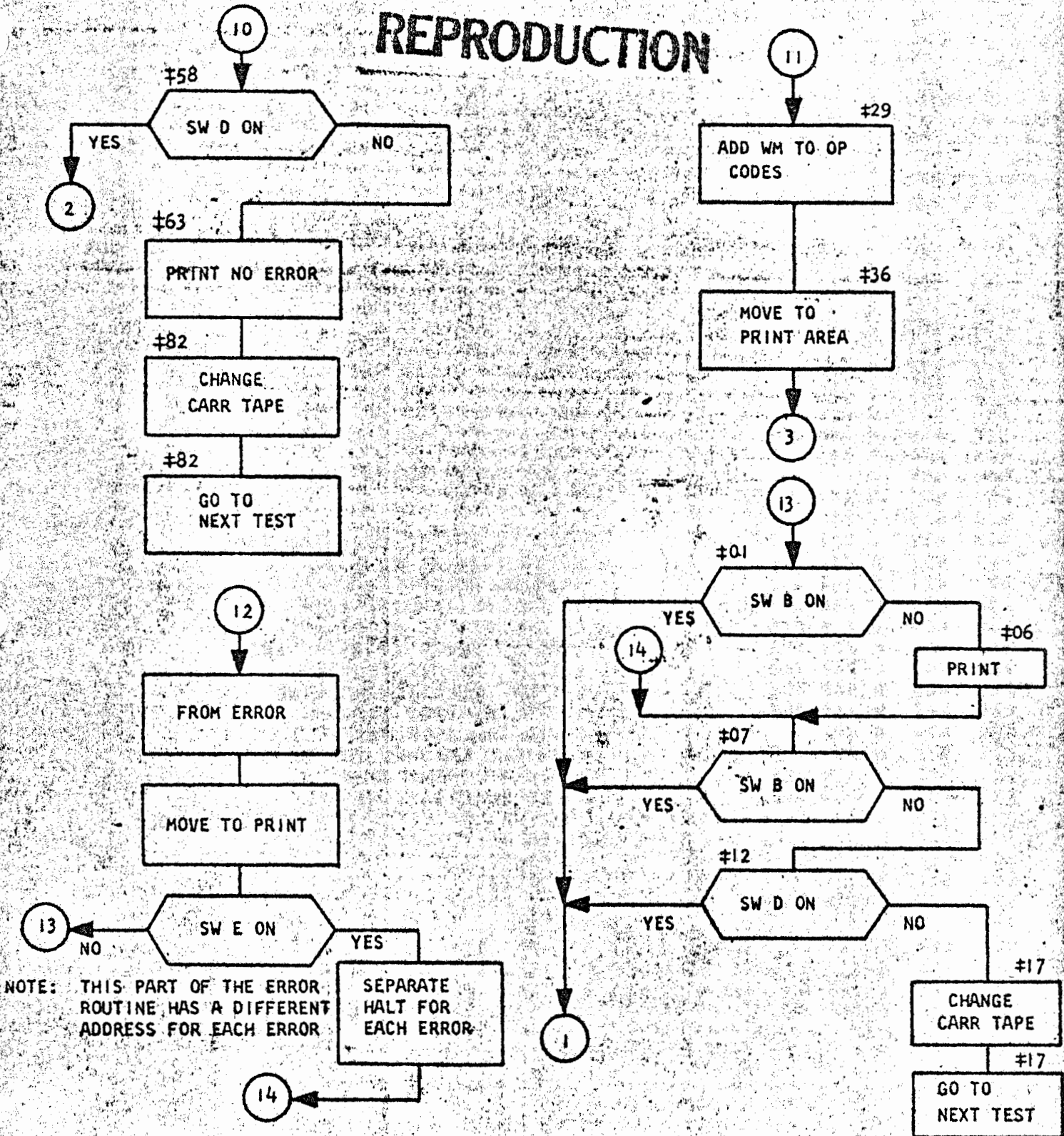
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1401 DATA PROCESSING SYSTEM  
DIAGNOSTIC FUNCTION TEST

REPRODUCTION

PROGRAM LISTING FOR USE WITH FLOW CHART

9 • 12 LATCH TEST 2020C

INSTRUCTION ADDRESS	OP	A	B	REMARKS
082	082	I	NIT	IAK ERROR LATCHES FAILED OR CARRIAGE DID NOT GO TO FOUR
141	141	M	140 299	INITIAL ERROR
148	148	B	157 E	GO TO INITIAL ERROR HALT
153	153	B	401	GO TO SWITCH B
157	157	-	407	GO TO SWITCH B
161	161			WORD MARK
377	377	B	389 551	USE WHEN TESTS ARE RUN FROM TAPE
385	385	B	388	USE WHEN TESTS ARE RUN FROM TAPE
389	389	N	000	USE WHEN TESTS ARE RUN FROM TAPE
393	393	M	360 392	USE WHEN TESTS ARE RUN FROM TAPE
400	400	/	332	START TEST
404	404	/		CLEAR PRINT AREA
405	405	B	S00 5521	TITLE PRINT
413	413	/	080	
417	417	.	421	HALT TO CHANGE CARRIAGE TAPE
421	421	B	776	GO TO INITIAL SETUP
427	427	B	141 a	INITIAL ERROR
432	432	M	138 259	12 LATCH TO PRINT AREA
439	439	L	116 275	04 CHANNEL TO PRINT AREA
448	448	M	187 293	TYPE OF ERROR TO PRINT AREA
453	453	L	767 763	SET UP CHANNEL COUNTER
460	460	□	562 684	SET UP SELECTION ROUTINE
467	467	M	132 253	12 TO IDENTIFY LATCH
474	474	B	492	GO TO 12 LATCH TEST
478	478	M	157 219	PREVIOUS CHANNEL TESTED OK
485	485	M	164 226	MOVED TO PRINT AREA
492	492	M	762 267	XX TO IDENTIFY CHANNEL
499	499	B	801 a	ERROR #1 12 LATCH NOT RESET BY HOLE
504	504	F	J	SPACE TO 12 LATCH
508	508	B	515 a	NO ERROR # 2
511	511	B	821	ERROR #2
515	515	B	526 C	GO TO PRINT
520	520	F	J	SPACE OUT OF 12
522	522	B	527	BYPASS PRINT
526	526	2		PRINT AND SPACE OUT OF 12
527	527	B	536 a	NO ERROR #3
532	532	B	841	ERROR #3 12 LATCH WENT OFF
536	536	F	J	SPACE
538	538	F	J	SPACE
540	540	F	J	SPACE
542	542	F	J	SPACE
544	544	F	J	SPACE

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546	506	B	555	a	NO ERROR #4
551	551	B	861		ERROR #4 12 LATCH WENT OFF
555	595	N	000	000	FOR ROUTINE SELECTION
562	562	B	572		GO TO SKIP AFTER ROUTINE
566	566	F	J		SPACE TO CHANNEL HOLE
568	568	B	588		GO TO CONTROL
572	572	F	A		RESET 12 LATCH BY SKIP AFTER
574	574	N	774	250	SKIP AFTER TO PRINT AREA
581	581	B	881	a	ERRGR #5 SKIP AFTER DID NOT RESET 12
586	586	F	J		SPACE TO CHANNEL HOLE
588	588	A	771	763	ADD TO CHANNEL COUNTER
595	595	B	607	7620	CONTROL - GO TO 9 LATCH TEST
603	603	B	478		GO BACK TO 12 LATCH TEST
607	607	N	726	253	09 TO IDENTIFY LATCH
614	614	N	762	267	XX TO IDENTIFY CHANNEL
621	621	B	901	9	ERROR #6 9 LATCH NOT RESET BY HOLE
626	626	F	J		SPACE TO 9 LATCH
628	628	B	637	9	NO ERROR # 7 -
638	638	B	921		ERROR # 7
637	637	B	648	C	GO TO PRINT
642	642	F	J		SPACE OUT OF 9 HOLE
644	644	B	649		BYPASS PRINT
648	648	2			PRINT AND SPACE OUT OF 9
649	649	B	658	9	NO ERROR #8
654	654	B	941		ERROR #8 9 LATCH WENT OFF
658	638	F	J		SPACE
660	680	F	J		SPACE
662	662	F	J		SPACE
664	664	F	J		SPACE
666	666	F	J		SPACE
668	668	B	677	9	NO ERROR #9
673	673	B	961		ERROR #9 9 LATCH WENT OFF
677	677	N	000	000	FOR ROUTINE SELECTION
684	684	B	694		GO TO SKIP AFTER ROUTINE
688	688	F	J		SPACE TO CHANNEL HOLE
690	690	B	710		GO TO CONTROL
694	694	F	A		RESET 9 LATCH BY SKIP AFTER
696	696	N	774	250	SKIP AFTER TO PRINT AREA
703	703	B	981	9	ERROR #10 SKIP AFTER DID NOT RESET 9
708	708	F	J		SPACE TO CHANNEL HOLE
710	710	A	771	763	ADD TO CHANNEL COUNTER
717	717	B	737	7623	CONTROL - PAST 2 OR 12 - TEST
725	725	B	421	7624	AT 4 - GO TO END ROUTINE
733	733	B	614		GO TO 9 LATCH TEST
737	737	B	749	7611	PAST 12 RESET CHANNEL CTR TO ONE
745	745	B	614		GO TO 9 LATCH TEST
749	749	A	775	763	ADD 88 TO CHANNEL COUNTER
756	756	B	614		GO TO 9 LATCH TEST
760	760	B	040		CHANNEL COUNTER
764	764	B	040		CHANNEL COUNTER RESET VALUE
768	768	B	010		CHANNEL COUNTER INCREMENT

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1401 DATA PROCESSING SYSTEM  
DIAGNOSTIC FUNCTION TEST

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772 772 NO 880  
776 776 / 332  
780 780 /  
781 781 F 3  
783 783 2  
784 784 2  
785 785 2  
786 786 2  
787 787 2  
788 788 2  
789 789 2  
790 790 F J  
792 792 B 141 9  
797 797 B 427  
801 801 M /02 297  
808 808 B 817 E  
813 813 B #01  
817 817 . #07  
821 821 M /04 297  
828 828 B 837 E  
833 833 B #01  
837 837 . #07  
841 841 M /06 297  
848 848 B 857 E  
853 853 B #01  
857 857 . #07  
861 861 M /08 297  
868 868 B 877 E  
873 873 B #01  
877 877 . #07  
881 881 M /18 297  
888 888 B 897 E  
893 893 B #01  
897 897 . #07  
901 901 M /20 297  
908 908 B 917 E  
913 913 B #01  
917 917 . #07  
921 921 M /22 297  
928 928 B 937 E  
933 933 B #01  
937 937 . #07  
941 941 M /24 297  
948 948 B 957 E  
953 953 B #01  
957 957 . #07  
961 961 M /26 297  
968 968 B 977 E  
973 973 B #01  
977 977 . #07  
981 981 M /28 297

CHANNEL COUNTER RESET TO ONE  
CLEAR PRINT AREA  
CLEAR PRINT AREA  
MAKE INITIAL SETUP

SPACE TO 4 FOR INTERLOCK AND START  
INITIAL ERROR

GO CONTINUE TEST

ERROR #1

GO TO HALT #1

GO TO SW B

GO TO SW B

ERROR #2

GO TO HALT #2

GO TO SW B

GO TO SW B

ERROR #3

GO TO HALT #3

GO TO SW B

GO TO SW B

ERROR #4

GO TO HALT #4

GO TO SW B

GO TO SW B

ERROR #5

GO TO HALT #5

GO TO SW B

GO TO SW B

ERROR #6

GO TO HALT #6

GO TO SW B

GO TO SW B

ERROR #7

GO TO HALT #7

GO TO SW B

GO TO SW B

ERROR #8

GO TO HALT #8

GO TO SW B

GO TO SW B

ERROR #9

GO TO HALT #9

GO TO SW B

GO TO SW B

ERROR #10

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DIAGNOSTIC FUNCTION TEST

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988 988 B 997 E  
 993 983 B 401  
 997 997 . 407  
 1001 401 B 421 B  
 1006 406 2  
 1007 407 B 421 B  
 1012 412 B 421 D  
 1017 417 . 348  
 1021 421 V 447 5623  
 1029 429 . 562 684  
 1030 430 M 774 260  
 1043 443 B 467  
 1047 447 . 001  
 1051 451 M 010 260  
 1058 458 B 432 D  
 1063 463 V 280  
 1068 468 M 792 298  
 1074 474 M 496 278  
 1081 481 2  
 1082 482 . 348  
 1086 486  
 1089 489 E NO TEST  
 1097 497 N ONE  
 1101 701 0 1  
 1103 703 0 2  
 1105 705 0 3  
 1107 707 0 4 C HANNEL  
 1117 717 0 5  
 1119 719 0 6  
 1121 721 0 7  
 1123 723 0 8  
 1125 725 0 9  
 1127 727 1 0  
 1129 729 1 1  
 1131 731 1 2 L ATCH  
 1139 739 P REV IOUS CHANNEL TE  
 1158 758 S TED OK  
 1165 765 S KIP AFTER  
 1175 775 T YPE OF ERROR NONE

GO TO HALT #10  
 GO TO SW B  
 GO TO SW B  
 RESTART WITHOUT PRINTING  
 PRINT ERROR  
 RESTART WITHOUT PRINTING  
 RESTART WITH OR WITHOUT PRINTING  
 ERROR FINAL HALT  
 END ROUTINE  
 SET UP SKIP AFTER CHECK  
 SKIP AFTER TO PRINT AREA  
 REPEAT LATCH TEST FOR SK AFT CHECK  
 SET WORDMARK  
 CLEAR REMARK FOR NEXT RUN  
 LOOP WITH OR WITHOUT PRINTING  
 CLEAR PRINT AREA  
 NO ERROR TO PRINT AREA  
 END OF TEST TO PRINT AREA  
 PRINT  
 CORRECT OPERATION FINAL HALT  
 WORD MARK

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# 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 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	9 + 12 LATCH TEST	2020C 00
.008015;022029,033033N	1001	SET WORDMARK CARD	2020C 01
L072121;001001,001001,0010011001	INITIAL ERROR LATCHES FAILED OR CARRIAGE		2020C 03
L067156;122122,141148,1631571001	DID NOT GO TO FOURM140299B157EB+01		2020C 04
L036160;161161,161161,1611611001	+07		2020C 05
L067367;340344,348349,3673611001,008012,00110011B361080AB421/340080			2020C 06
L069404;877385,389393,4004041001	B38955518588N000M360392/3327		2020C 07
L066438;413417,421427,4324391001B5005521/080,4218776 B1412M/38259			2020C 08
L071477;446453,460467,4744781001L/16275M/87293L7677630562684M/322538492			2020C 09
L069514;485492,499504,5066111001M/57219M/64226M7622678012FJ851528821			2020C 10
L058537;520522,526527,5325361001B526CFJB5272B53628841FJ			2020C 11
L056581;540542,544548,5515551001FJFJFJFJ855528861N000000			2020C 12
L058587;566568,572574,5815861001B572FJB588FAM/7425088812FJ			2020C 13
L072627;595603,607614,6216261001A771763860776208478M/26253M76226789019FJ			2020C 14
L058653;633637,642644,6486491001B63798921B648CFJB649286589			2020C 15
L051672;658660,662664,6666681001B941FJFJFJFJFJ86779			2020C 16
L062702;677684,688690,6946961001B961N000000B694FJ8710FAM/74250			2020C 17
L066736;708710,717725,7337371001B9819FJA77176387377623B*2176248614			2020C 18
L062771;745749,756760,7647681001B7497611B614A7757638614004000400010			2020C 19
L046785;776780,781783,78478510010880/332/F322			2020C 20
L047800;787788,789790,79279710012222FJB14198427			2020C 21
L088836;808813,817821,8288331001M/022978817EB+01,+07M/042978837EB+01			2020C 22
L088872;841848,853867,8618681001,+07M/062978857EB+01,+07M/082978877E			2020C 23
L067907;877881,888893,8979011001B+01,+07M/182978897EB+01,+07M/20297			2020C 24
L066940;913917,921928,9339371001B917EB+01,+07M/222978937EB+01,+07,			2020C 25
L068976;948953,957961,9689731001M/242978957EB+01,+07M/262978977EB+01			2020C 26
L062+06;981988,993997,+01+061001,+07M/28297899788+01,+078421B2			2020C 27
L072346;+12+17,+21+29,+36+431001B4210,348V+475621,582684M/7425084672020C			28
L063+81,+51+58,+63+67,+74+811001,001M01025084320/280M/92298M*962702			2020C 29
L057/06;+86+89,+97/01,/03/051001,348 END TESTNONE010203			2020C 30
L058/28;/17/19,/21/23,/25/27100104 CHANNEL050607080910			2020C 31
L068/64;/23/29,/58/65,/65/6910011112 LATCHPREVIOUS CHANNEL TESTED OK			2020C 32
L072504;/75600,601805,5055051001SKIP AFTERTYPE OF ERROR NONE		27049	2020C 33
L068535;S12613,S17618,S266291001L0772772/2772N000000N000N000000			2020C 34
L041544;637541,649545,6455451001NN0002413			2020C 35
/383080N		CLEAR WORDMARK CARD	2020C 36
.019027;031,0380428031T986840L0463528W048588		9 + 12 LATCH TEST	2020C 37

DATE	2-2-61	5-15-62	27.7.62			
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