

DIAGNOSTIC FUNCTION TEST
REPRODUCTION

RIPPLE READ

A. PURPOSE OF TEST

1. TO TEST THE READING OF 2 DETAIL CARDS PUNCHED WITH MLP CODES.
2. TO TEST THE READING OF 60 DETAIL CARDS PUNCHED WITH A 60-CHARACTER TABLE IN RIPPLE FASHION. EACH CARD IS COMPARED WITH A STORED TABLE. FOR UNEQUAL CONDITIONS THE MACHINE EITHER STOPS TO PERMIT CONSOLE CHECKING OR PRINTS THE CARD INFORMATION ON THE FIRST LINE AND THAT PORTION OF THE STORED TABLE TO WHICH IT WAS COMPARED ON THE SECOND LINE, DEPENDING UPON THE SETTING OF SENSE SWITCH E.

B. LOADING PROCEDURES

1. PLACE TEST IN 1402 READ HOPPER AND DEPRESS LOAD KEY.
2. WHEN RUNNING FROM TAPE, ENTER A 1 IN 1263 AND PLACE DETAIL CARDS 23 AND 24 AHEAD OF 60 DETAILS PUNCHED BY RIPPLE PUNCH TEST 1030 IN 1402 READ HOPPER.

C. PROGRAM CONTROL

1. SENSE SWITCHES

C ON TO PRINT CORRECT RESULTS

OFF TO CONTINUE

D ON TO REPEAT TEST WHEN TEST IS RUN SEPARATELY. DETAIL CARDS MUST BE RERUN

OFF TO CONTINUE

E ON - STOPS FOR ERROR RESULTS.

OFF - PRINTS FOR ERROR RESULTS AS FOLLOWS:

FIRST LINE - CARD INFORMATION, ERROR, AND CARD NUMBER
SECOND LINE - THAT PORTION OF THE STORED TABLE TO WHICH THE CARD WAS COMPARED.

D. TEST PROCEDURE

THE PROGRAM READS AND COMPARES 2 DETAIL CARDS (23 AND 24) PUNCHED WITH MLP CODES IN COLUMNS 1 THROUGH 7 AND CONTINUES IN THE FOLLOWING MANNER:

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SHEET 2 of 11
BLOCK NO. 10408

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D. (CONTINUED)

THE 60-CHARACTER TABLE, STORED BY THE PROGRAM IN LOCATIONS 701-760, IS EXPANDED TO A 180-CHARACTER TABLE IN LOCATIONS 701-880. A CARD COUNTER IS THEN STARTED AT "1" AND INCREMENTED BY "1" EACH TIME A DETAIL CARD IS PROCESSED. THIS CARD COUNTER SERVES THREE PURPOSES:

- 1) TO PRINT A CARD NUMBER IN CASE OF ERROR PRINT-OUT
- 2) TO COMPARE WITH A CONSTANT "60" TO CONTINUE THE TEST (UNEQUAL) OR TERMINATE THE TEST (EQUAL);
- 3) TO INCREMENT A RIPPLING COUNTER.

THE PURPOSE OF THE RIPPLING COUNTER, WHICH IS STARTED AT 779 AND INCREMENTED BY THE CARD COUNTER, IS TO MODIFY THE A PORTION OF THE COMPARE INSTRUCTION (LOCATIONS 493-495) SO THAT THE APPROPRIATE 80 CHARACTERS MAY BE SELECTED FROM THE 180-CHARACTER STORED TABLE IN RIPPLE FASHION AND COMPARED WITH THE CARD. IF THE COMPARISON BETWEEN THE CARD AND THE TABLE IS UNEQUAL, THE PROGRAM BRANCHES TO THE ERROR PRINT ROUTINE. THE POSITION OF SENSE SWITCH E THEN DETERMINES WHETHER THE MACHINE STOPS TO PERMIT CONSOLE CHECKING OR PRINTS THE CARD WITH AN "ERROR" INDICATION AND CARD NUMBER ON THE FIRST LINE AND THE STORED TABLE TO WHICH IT WAS COMPARED ON THE SECOND LINE.

E. STOPS

- 400 IN STORAGE ADDRESS-REGISTER: HALT TO PLACE DETAIL CARDS IN HOPPER WHEN TEST IS RUN FROM TAPE.
- 603 IN STORAGE ADDRESS REGISTER: HALT TO CHECK FOR MLP READ ERROR.
- 661 IN STORAGE ADDRESS REGISTER: HALT AT END OF TEST. PRESS START KEY TO LOAD NEXT PROGRAM.
- 920 IN STORAGE ADDRESS REGISTER: ERROR WITH SENSE E ON

F. PRINTOUTS

FIRST LINE CARD

SECOND LINE TABLE

AKT4 BLU5 CMV6 DNW7 EOX8 FPY8 GQZO HR## I-@&\$%1&.*12 JS7-AKT4 BLU5 CMV6 DNW7 ERROR 01

AKT4 BLU5 CMV6 DNW7 EOX8 FPY9 GQZO HR## I-@&\$%1&.*12 JS3-AKT4 BLU5 CMV6 DNW7

NOTE: IF "ERROR" IS PRINTED ON THE FIRST LINE BUT THE TWO LINES AGREE, THE ERROR MAY BE IN ANY ONE OF THE 6 NON-PRINTABLE CHARACTERS, NAMELY, GROUP MARK, DELTA, TAPE SEGMENT MARK, TAPE MARK, RESET ADD, AND RESET SUBTRACT.

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F. (CONTINUED)

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SENSE SWITCH C ON - MACHINE PRINTS CORRECT RESULTS - CARD INFORMATION AND CARD NUMBER ON THE FIRST LINE WITHOUT THE WORD "ERROR", AND THE STORED TABLE TO WHICH IT WAS COMPARED ON THE SECOND LINE.

G. COMMENTS

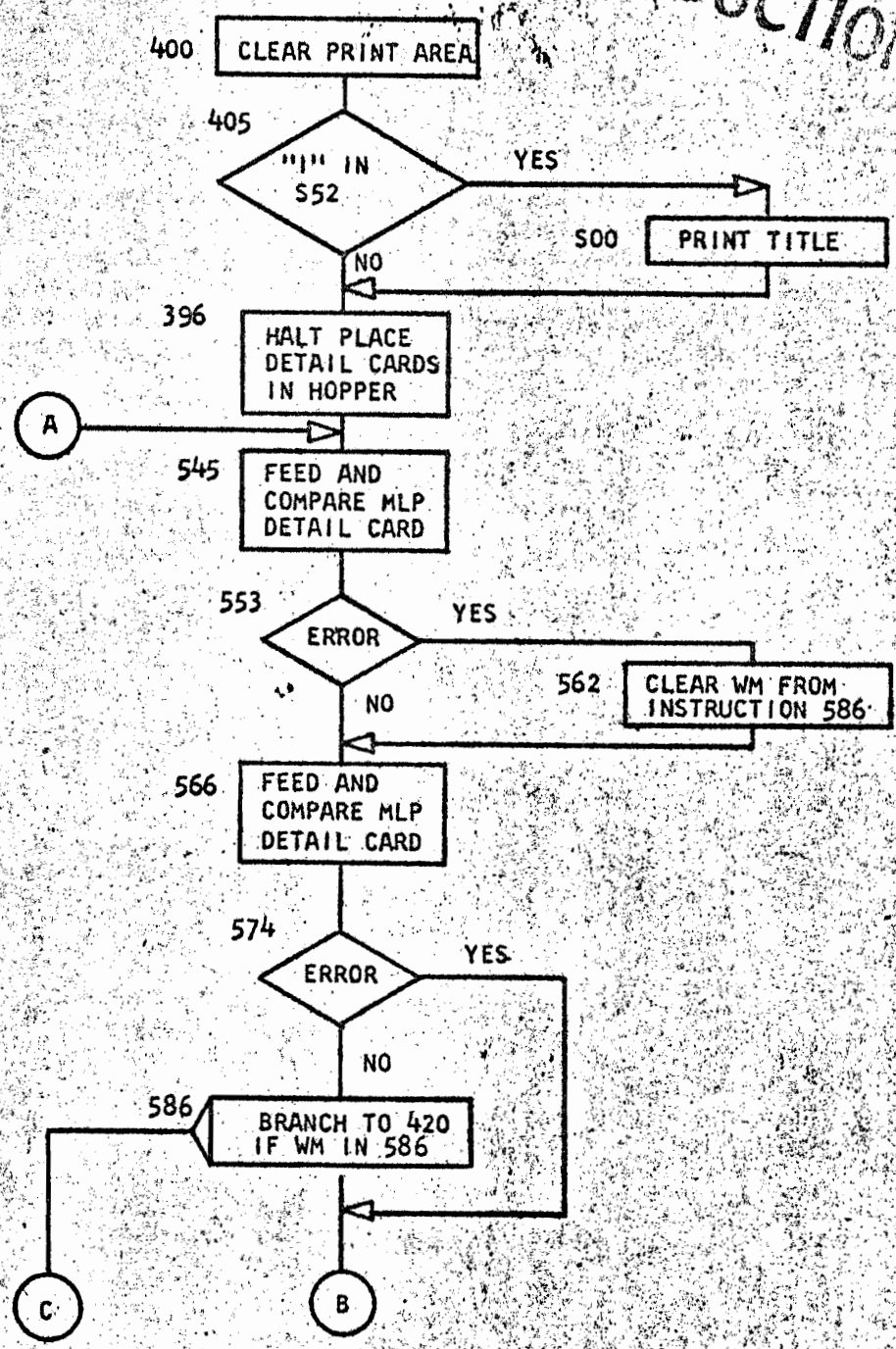
THE LAST 60 DETAIL CARDS ARE THE SAME AS DETAIL CARDS PUNCHED BY RIPPLE PUNCH TEST 1030. DETAIL CARDS NUMBERED 23 AND 24 ARE SPECIAL MLP CARDS WHICH ARE NOT PUNCHED BY THE 1401. THESE TWO CARDS CONTAIN AN 8 AND 9 PUNCHES IN COLUMNS 1 THROUGH 7 IN ADDITION TO THE PUNCHES LISTED. CARDS 23 AND 24 MUST BE PLACED AHEAD OF THE 60 RIPPLE PUNCHED DETAIL CARDS.

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DIAGNOSTIC FUNCTION TEST

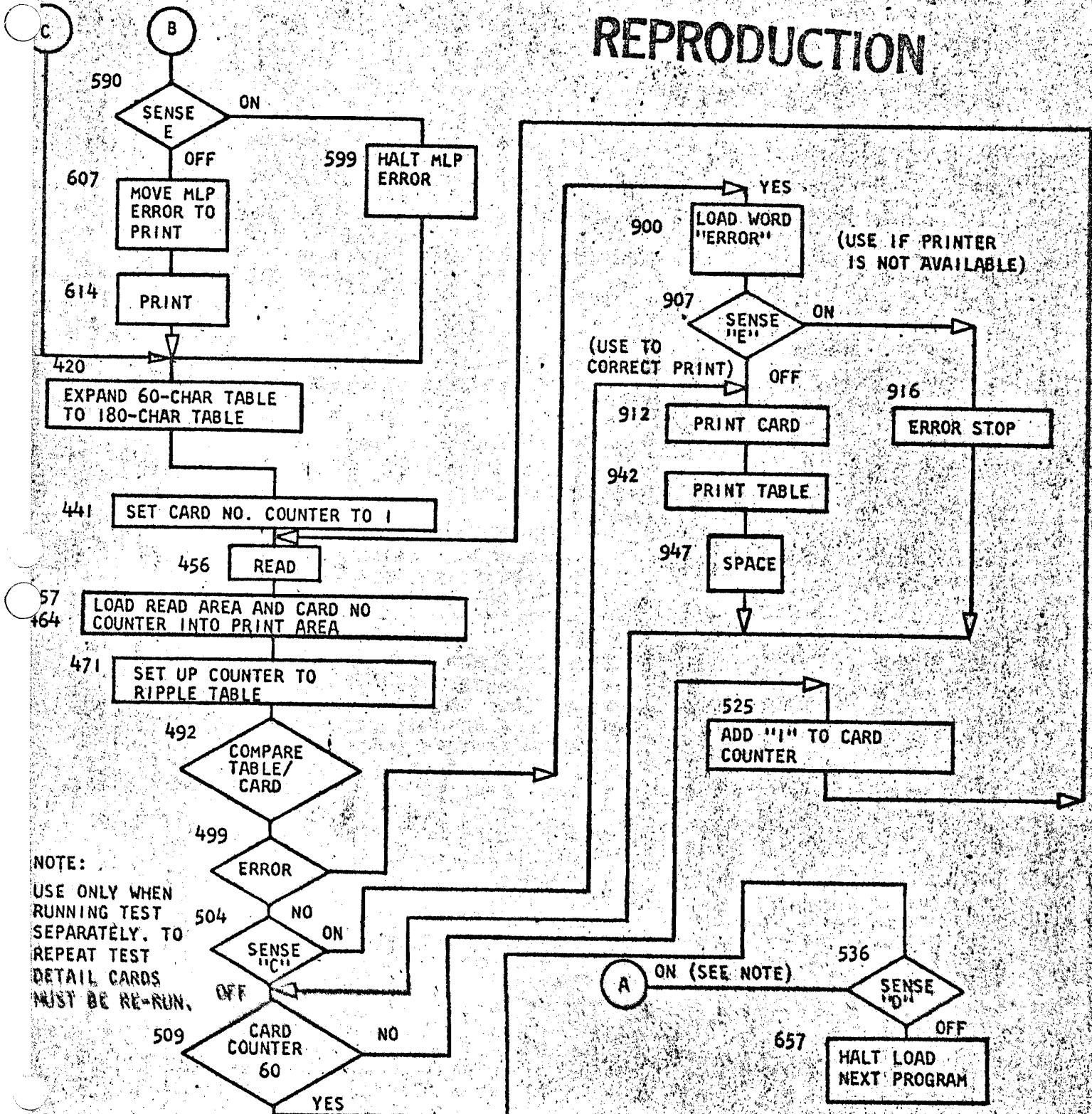
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RIPPLE READ
 FLOW CHART



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NOTE:
 USE ONLY WHEN
 RUNNING TEST
 SEPARATELY. TO
 REPEAT TEST
 DETAIL CARDS
 MUST BE RE-RUN.

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PROGRAM LISTING FOR USE WITH FLOW CHART

RIPLLE READ

10408

INSTRUCTION ADDRESS	OP	A	B	REMARKS
377	377	B	400 5631	*USE WHEN TESTS ARE RUN FROM TAPE
385	385	B	588	''
389	389	M	388 380	BYPASS DETAIL CARDS ON TAPE
396	396	-	545	HALT TO PLACE DETAIL CARDS IN HOPPER
400	400	/	332	START TEST
404	404	/		
405	405	B	500 5521	BR TO TITLE PRINT ROUTINE IF 1 IN S52
413	413	B	396	BRANCH TO HALT
420	420	L	760 820	EXPAND TABLE FROM 701-760 TO 701-880
427	427	L	760 880	''
434	434	π	761 821	''
441	441	L	690 692	SET CARD COUNTER TO ONE
448	448	/	080	CLEAR READ AREA
452	452	.	001	SET WM IN 001
456	456	1		READ
457	457	L	080 280	LOAD CARD INTO PRINT AREA
464	464	L	692 299	LOAD CARD NUMBER INTO PRINT AREA
471	471	L	697 700	START RIPPLING COUNTER AT 779
478	478	A	692 700	ADD CARD COUNTER TO RIPPLING COUNTER
485	485	M	700 495	MOVE RIPPLING COUNTER INTO NEXT INSTRUCT
492	492	C	XXX 080	COMPARE TABLE WITH CARD
499	499	B	900 /	BRANCH TO ERROR PRINT ROUTINE IF UNEQ
504	504	B	912 C	C ON TO CORRECT PRINT SS
509	509	C	692 694	COMPARE CARD COUNTER WITH 60
516	516	B	525 /	BR TO ADD 1 TO CARD COUNTER IF NOT 60
521	521	B	536	BRANCH TO SENSE D IF 60
525	525	A	690 692	ADD 1 TO CARD COUNTER
532	532	B	456	BRANCH TO READ NEXT DETAIL CARD
536	536	B	545 D	D ON TO REPEAT INCLUDE MLP CARDS SS
541	541	B	649	BRANCH TO READ NEXT RECORD
546	546	1		FEED MLP DETAIL CARD
546	546	C	007 634	AND COMPARE
553	553	B	562 /	BRANCH ERROR
558	558	B	566	BRANCH CORRECT
562	562	π	586	SETUP ERROR PRINTOUT
566	566	1		FEED MLP CARD
567	567	C	007 634	AND COMPARE
574	574	B	590 /	BRANCH ERROR
579	579	N	000 000	SELECTION CONTROL
586	586	B	420	BRANCH CORRECT
590	590	B	599 E	BRANCH ON ERROR SS
595	595	B	603	BRANCH TO ERROR PRINT

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599 599 . 620
 603 603 / 299
 607 607 M 648 270
 614 614 2
 615 615 / 299
 619 619 2
 620 620 . 586
 624 624 B 420
 628 628 123 413
 635 635 M LP READ ERROR
 649 649 / 080
 653 653 . 001
 657 657 . 348
 661 661 .
 689 689 0 1
 691 691 X X
 693 693 6 0
 695 695 7 79
 698 698 X XX
 701 701 A KT4 BLU5 CMV6 DNW7
 721 721 E OXB FPY9 GQZO HR#
 741 741 I -,a +\$%1+.* /2 #JS3-
 900 900 L /14 285
 907 907 B 916 E
 912 912 2 920
 916 916 . 509
 920 920 / 299
 924 924 . 201
 928 928 M 700 938
 935 935 M XXX 280
 942 942 2
 943 943 / 299
 947 947 2 509
 951 951
 1110 /110 E RRO R
 1120 /120 F IRS T LINE CARD
 1140 /140
 1160 /160 S ECO ND LINE TABLE
 1180 /180

MLP ERROR STOP
 MOVE MLP ERROR COMMENT TO PRINT
 SPACE
 RESET ERROR SELECTION
 BRANCH TO CONTINUE
 MLP COMPARISON CONSTANT
 COMMENT
 REMOVE ANY GWM
 ,,
 READ NEXT RECORD
 WORDMARK
 CONSTANT TO INCREMENT CARD COUNTER
 CARD COUNTER
 CONSTANT TO STOP CARD COUNTER
 CONSTANT TO START RIPPLING COUNTER
 RIPPLING COUNTER
 TABLE
 ,, NO WM
 ,, NO WM
 BEGIN ERROR PRINT ROUTINE
 E ON TO ERROR STOP
 PRINT CARD
 ERROR STOP
 CLEAR PRINT AREA
 SET WM IN PRINT AREA
 MOVE RIPPLING COUNTER INTO NEXT INSTRUCT
 MOVE TABLE INTO PRINT AREA
 PRINT TABLE
 CLEAR PRINT AREA
 SPACE
 WORD MARK
 CONSTANTS
 ,,
 ,,
 ,,
 ,,

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1401 DATA PROCESSING SYSTEM
DIAGNOSTIC FUNCTION TEST

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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	RIPPLE READ	1040B	0A
,008015,022029,033033N	1001	SET WORDMARK CARD	1040B	02
L067367,340344,348349,3573611001,008012,001100118361080A8348/340080			1040B	03
L069404,377385,389396,4004041001	B400S631BS88M388380.545/332/		1040B	04
L068440,413420,427434,4414411001BS00S521B396	L760820L760880=761821		1040B	05
L069477,448452,456457,4644711001L690692/080,0011L080280L692299L697700			1040B	06
L070515,485492,499504,5095161001A692700M700495CXX080B900/B912CC692694			1040B	07
L062545,521525,532536,5415451001B525/B536A690692B456B5450B6491			1040B	08
L065578,593558,562566,5675741001C0076348562/B566=5861C0076348590/			1040B	09
L067613,586590,595599,6036071001N000000B420B599EB603.620/299M648270			1040B	10
L067648,615619,620624,62863510012/2992,586B420 123413MLP READ ERROR			1040B	11
L072688,653657,661661,6616611001/080,001.348			1040B	12
L072728,691693,695698,701701100101XX60779XXAKT4	BLUSGCMV6 DNW7DEOX8 FPY1040B		1040B	13
	M E			
L072768=729729,001001,00100110019TGQZO HR#TI-,@ +\$%1P.* /2 =JS3M			1040B	14
	S M Z			
L067934,907912,916920,9249281001L/142858916E2920.509/299,201M700938			1040B	15
L072974,942943,947951,9519511001MXX2802/2992509			1040B	16
L065/39=07/07,/10/20,/40/401001 ERROR	FIRST LINE CARD		1040B	17
L072/79,/60/80,/80/80,/80/801001	SECOND LINE TABLE		1040B	18
L070S17,S00S01,S05S12,S13S171001	2,049L0772772/2772		1040B	19
L059544,S25S29,S36S37,S41S451001=40/60=80L/892702/2702413			1040B	20
/333080N	CLEAR WORDMARK CARD		1040B	21
,019027,031,038042B031T98GB400L046352BW04BS88	RIPPLE READ		1040B	22

DETAIL CARDS

123413	MLP IN COLUMNS 1 THROUGH 7	1040B	23
123413	MLP IN COLUMNS 1 THROUGH 7	1040B	24
AKT4 BLUSGCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,@ +\$%1P.* /2 =JS3MAKT4	BLUSGCMV6 DNW7D		
	M E S M Z Z M E		
KT4 BLUSGCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,@ +\$%1P.* /2 =JS3MAKT4	BLUSGCMV6 DNW7DE		
	M E S M Z Z M E		
T4 BLUSGCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,@ +\$%1P.* /2 =JS3MAKT4	BLUSGCMV6 DNW7DEO		
	M E S M Z Z M E		
4 BLUSGCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,@ +\$%1P.* /2 =JS3MAKT4	BLUSGCMV6 DNW7DEOX		
	M E S M Z Z M E		
BLUSGCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,@ +\$%1P.* /2 =JS3MAKT4	BLUSGCMV6 DNW7DEOX8		
	M E S M Z Z M E		
BLUSGCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,@ +\$%1P.* /2 =JS3MAKT4	BLUSGCMV6 DNW7DEOX8		
	M E S M Z Z M E		
LUSGCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,@ +\$%1P.* /2 =JS3MAKT4	BLUSGCMV6 DNW7DEOX8		
	M E S M Z Z M E		

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U5GCMV6 DNW7DEOX8 FPY9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FP
M E S M Z Z M E
5GCMV6 DNW7DEOX8 FPY9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY
M E S M Z Z M E
GCMV6 DNW7DEOX8 FPY9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9
M E S M Z Z M E
CMV6 DNW7DEOX8 FPY9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9T
E S M Z Z M E S
MV6 DNW7DEOX8 FPY9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TG
E S M Z Z M E S
V6 DNW7DEOX8 FPY9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQ
E S M Z Z M E S
6 DNW7DEOX8 FPY9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ
E S M Z Z M E S
DNW7DEOX8 FPY9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ0
E S M Z Z M E S
DNW7DEOX8 FPY9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ0
E S M Z Z M E S
NW7DEOX8 FPY9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ0 H
E S M Z Z M E S
W7DEOX8 FPY9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ0 HR
E S M Z Z M E S
7DEOX8 FPY9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ0 HR#
E S M Z Z M E S
DEOX8 FPY9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ0 HR#
E S M Z Z M E S
EOX8 FPY9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ0 HR#T
S M Z Z M E S M
OX8 FPY9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ0 HR#TI
S M Z Z M E S M
X8 FPY9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ0 HR#TI-
S M Z Z M E S M
8 FPY9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ0 HR#TI-
S M Z Z M E S M
FPY9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ0 HR#TI-,a
S M Z Z M E S M
FPY9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ0 HR#TI-,a
S M Z Z M E S M
PY9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ0 HR#TI-,a +
S M Z Z M E S M
Y9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ0 HR#TI-,a +\$
S M Z Z M E S M
9TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ0 HR#TI-,a +\$%
S M Z Z M E S M
TGQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ0 HR#TI-,a +\$%I
S M Z Z M E S M
GQZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ0 HR#TI-,a +\$%IP
M Z Z M E S M Z
QZ0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ0 HR#TI-,a +\$%IP.
M Z Z M E S M Z
70 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ0 HR#TI-,a +\$%IP.*
M Z Z M E S M Z

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0 HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /
M Z M E S M Z
HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2
M Z M E S M Z
HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2
M Z M E S M Z
R#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □
M Z M E S M Z
#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □J
M Z M E S M Z
#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □JS
M Z M E S M Z
TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □JS3
M Z M E S M Z
I-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □JS3M
Z M Z
-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □JS3MA
Z M Z
,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □JS3MAK
Z M Z
a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □JS3MAKT
Z M Z
+\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □JS3MAKT4
Z M Z
+\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □JS3MAKT4
Z M Z
\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □JS3MAKT4 B
Z M Z
%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BL
Z M Z
IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU
Z M Z
P.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5
Z M Z
.* /2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5G
Z M Z
/2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP. /2 □JS3MAKT4 BLU5GC
Z M Z
/2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCM
Z M Z
2 □JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV
Z M Z
□JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6
Z M Z
□JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6
Z M Z
JS3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 D
Z M Z
S3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DN
Z M Z
3MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZO HR#TI-,a +\$%IP.* /2 □JS3MAKT4 BLU5GCMV6 DNW
Z M Z

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1401 DATA PROCESSING SYSTEM
DIAGNOSTIC FUNCTION TEST

REPRODUCTION

MAKT4 BLU5GCMV6 DNW7DEOX8 FPY9TGQZ0 HR+#TI-,2 +\$ZIP.*/2 □JS3MAKT4 BLU5GCMV6 DNW7
Z M E S M Z Z M

DATE	2-2-61	7-1-63	17. 10. 63				
ENG. CHG. NO.	110378	117628	TA 1976				