

DIAGNOSTIC FUNCTION TEST

PACKED CARD

THE PACKED CARDS ARE LAYED OUT AS SHOWN IN THE FOLLOWING EXAMPLE

COLUMNS

0	1	2	3	4	5	6	7	8
1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890

L072121,001001,001001,0010011001	INITIAL ERROR LATCHES FAILED OR CARRIAGE	XXXXX	03
L067156,122122,141148,1531571001	DID NOT GO TO FOURM140299B157EB#01	XXXXX	04
L036160,161161,161161,1611611001.#07		XXXXX	05
L067367,340344,348349,3573611001,008012,001100118361080AB421/340080		XXXXX	06

- COLS. 1- 7 LOAD INSTRUCTION FOR CARD COLUMNS 33 THROUGH 72
- COLS. 8-14 SET WM INSTRUCTION OR CLEAR WM INSTRUCTION
- COLS. 15-21 SET WM INSTRUCTION
- COLS. 22-28 SET WM INSTRUCTION
- COLS. 29-32 CARD FEED INSTRUCTION WHEN LOADING FROM CARDS
- COLS. 33-72 INSTRUCTIONS OR PRINT OUT COMMENTS OR CONSTANTS FOR PROGRAM
- COLS. 73-76 BLOCK NUMBER
- COLS. 77 BLOCK NUMBER SUFFIX
- COLS. 78-80 CONSECUTIVE CARD DECK NUMBER

THE PACKED CARD CONTAINS A MAXIMUM 7 INSTRUCTIONS OR 40 CHARACTERS, WHICHEVER OCCURS FIRST. IF THE LAST WM WAS ENCOUNTERED MORE THAN 9 COLUMNS BEFORE COLUMN 72 OF THE CARD AND IF 7 INSTRUCTIONS HAD NOT BEEN ENTERED, THE INFORMATION IS TAKEN AS A COMMENT. THE 40 COLUMNS ARE PACKED. THE NEXT CARD CLEARS THE WM SET BY ITS LOAD INSTRUCTION, AND THE MAXIMUM NUMBER OF INSTRUCTIONS THAT CAN BE PACKED IN THIS NEXT CARD IS REDUCED TO FOUR.

IN COLUMNS 8 THROUGH 28 OF THE PACKED CARD, THE SET WM INSTRUCTIONS GIVE WM LOCATIONS IN STORAGE. IN ADDITION, THE LEFT END OF THE LOAD ADDRESS SETS A WM WHOSE STORAGE ADDRESS IS B - A PLUS 33, WHERE A AND B REPRESENT THE FIELDS OF THE LOAD ADDRESS IN COLUMNS 1 THROUGH 7 OF THE PACKED INSTRUCTION CARD. TO FIND THE CARD IN WHICH AN INSTRUCTION IS LOCATED, FIND THE WM LOCATION OF THE INSTRUCTION IN THE PACKED CARDS. THEN CHECK THE B FIELD OF THE LOAD ADDRESS OF THIS CARD AND OF THE FOLLOWING CARD TO FIND WHICH ONE CONTAINS THE INSTRUCTION. FINALLY, LOCATE THE INSTRUCTION BETWEEN COLUMNS 32 AND 73.

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