Sheet 1 of 1
E.C. 110378
Part NO. 451431
SHEET ____ OF ____
DATE ____

IBM FORM 624-7074-0

# PROGRAM LISTING

PUNCH COLUMN BINARY  BLOCK 3020A

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,008012,019,026030L0653681001,008012,00110011,361080A0421/340080 1 OF 2 3020A
,037044N000,340344,348349,357,361363/333080 PROG. CHAIN. ROUTINE 2 OF 2 3020A
L057S4510012,049LC772772/2772¤/40/60¤/80L/892702/2702413    CARD 1 OF 3 3020A
,019026,033,040044,051051/340001        TITLE PRINT ROUTINE  CARD 2 OF 3 3020A
,S01S05,S12,S13S17,S18S25,S29S36,S37S41,S45/333080          CARD 3 OF 3 3020A
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| LOAD ADDR | INST ADDR | OP | A | B | REMARKS |
|---|---|---|---|---|---|
| 396 | 377 | B | 481 | S561 | USE WHEN TESTS ARE RUN FROM TAPE |
| 404 | 385 | B | S88 | | ,, |
| 500 | 481 | / | 332 | | START TEST |
| 504 | 485 | / | | | |
| 505 | 486 | M | 714 | S22 | MODIFY TITLE PRINT TO BRANCH TO 589 |
| 512 | 493 | B | 581 | | BRANCH PAST BINARY PUNCH AREA |
| 600 | 581 | B | S00 | S521 | BR TO TITLE PRINT ROUTINE IF 1 IN S52 |
| 608 | 589 | ¤ | 821 | 841 | EXPAND TABLE FROM 801-880 TO 801-980 |
| 615 | 596 | L | 860 | 920 | ,, |
| 622 | 603 | L | 860 | 980 | ,, |
| 629 | 610 | ¤ | 861 | 921 | ,, |
| 636 | 617 | / | 580 | | CLEAR BINARY PUNCH AREA |
| 640 | 621 | / | 480 | | ,, |
| 644 | 625 | , | 401 | 501 | ,, |
| 651 | 632 | L | 717 | 724 | LOAD CARD COUNTER WITH INITIAL ADDRESS |
| 658 | 639 | M | 724 | 656 | MOVE CARD COUNTER INTO A FIELD OF MOVE |
| 665 | 646 | M | 724 | 663 | ,, |
| 672 | 653 | M | 880 | 480 | MOVE TABLE INTO PUNCH AREA |
| 679 | 660 | M | 880 | 580 | ,, |
| 686 | 667 | 4 | 673 | C | PUNCH COLUMN BINARY & BRANCH |
| 691 | 672 | . | | | ERROR STOP IF NO BRANCH |
| 692 | 673 | B | 667 | B | B ON TO SCOPE |
| 697 | 678 | C | 721 | 724 | COMPARE CARD COUNTER WITH 839 |
| 704 | 685 | B | 699 | / | BRANCH TO ADD 1 IF NOT 839 |
| 709 | 690 | B | 589 | D | D ON TO REPEAT TEST |
| 714 | 695 | B | 348 | | BRANCH TO READ NEXT RECORD |
| 718 | 699 | A | 718 | 724 | ADD 1 TO CARD COUNTER |
| 725 | 706 | B | 639 | | BRANCH TO PUNCH NEXT CARD |
| 729 | 710 | B | 589 | | CONSTANT TO MODIFY TITLE PRINT |
| 734 | 715 | 8 | 80 | | CONSTANT TO START CARD COUNTER |
| 737 | 718 | 1 | | | ONE |
| 738 | 719 | 9 | 39 | | CONSTANT TO STOP CARD COUNTER |
| 741 | 722 | X | XX | | CARD COUNTER |
| 820 | 801 | A | KT4 | BLU5 CMV6 DNW7 | TABLE TO BE BINARY PUNCHED & RIPPLED |
| 840 | 821 | E | OX8 | FPY9 GQZ0 HR‡# | ,, |
| 860 | 841 | I | -,@ | &$%1&.*/2 ¤JS3- | ,, |

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,019027,031,0380428031T98‡B481L0463528W04BS88   PUNCH COLUMN BINARY    3020A
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| DATE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ENG. CHG. NO. | | | | | | | | |