```
CLEAR STORAGE 1     ,008015,022026,030037,044,049,053053N000000N00001026                                  1
CLEAR STORAGE 2     L068116,105106,110117B101/I9I#071029C029056B026/B001/0991,001/001117I0?                2
BOOTSTRAP           ,008015,022029,036040,047054,061068,072/061039             ,0010011040                3

                          FORTRAN COMPILER -- LIST PHASE THREE -- PHASE 27                          PAGE    1

 SEQ PG LIN  LABEL  OP    OPERANDS                                          SFX CT  LOCN  INSTRUCTION TYPE  CARD

 101               JOB   FORTRAN COMPILER -- LIST PHASE THREE -- PHASE 27
 102               CTL   6611
 103         *
 104         * EACH INPUT-OUTPUT STATEMENT IS REDUCED TO THE ADDRESS OF
 105         * THE LIST STRING (WHEN PRESENT), THE FORMAT STRING (WHEN
 106         * PRESENT), AND THE TAPE UNIT NUMBER (WHEN APPLICABLE).
 107         *
 108         * ON ENTRY, X1 IS THE TOP OF THE TOP I/O STATEMENT AND X2
 109         * IS ONE BELOW THE TABLE OF I/O STRINGS, FORMATS AND NUMBERS.
 110         *
 111         * ON EXIT, 83 IS THE TOP OF CODE IN HIGH CORE AND X2 IS ONE
 112         * BELOW THE BOTTOM OF CODE IN HIGH CORE.
 113         *
 114         X1     EQU   89                                                    0089
 115         X2     EQU   94                                                    0094
 116         *
 117         * STUFF IN THE RESIDENT AREA
 118         *
 119         PHASID EQU   110  PHASE ID, FOR SNAPSHOT DUMPS                    0110
 120         SNAPSH EQU   333  CORE DUMP SNAPSHOT                              0333
 121         LOADNX EQU   700  LOAD NEXT OVERLAY                               0700
 122         CLEARL EQU   707  CS AT START OF OVERLAY LOADER                    0707
 123         TPREAD EQU   780  TAPE READ INSTRUCTION IN OVERLAY LOADER          0780
 124         LOADXX EQU   793  EXIT FROM OVERLAY LOADER                        0793
 125         CLRBOT EQU   833  BOTTOM OF CORE TO CLEAR IN OVERLAY LOADER       0833
 126         *
 127               ORG   845                                                          0845
 128         LOADDD EQU   *&1          LOAD ADDRESS                            0845
 129    845  BEGINN MCW   X2,83                                             7  0845  M 094 083            4
 130    852         SW    GM                                               4  0852  , |11                4
 131    856         LCA   GM,0&X2  GM BELOW I/O STRING TABLE               7  0856  L |11 0!0             4
 132    863         SBR   X2                                               4  0863  H 094                4
 133    867  TESTIO BW    NOTIO,0&X1                                       8  0867  V 918 0|0 1          4
 134    875         B     MOVE  MOVE PREFIX                                4  0875  B 942                4
 135    879         B     MOVE  MOVE TAPE NUMBER AND LIST (R/W TAPE),      4  0879  B 942                4
 136         *                       TAPE NUMBER AND FORMAT (R/W I/O TAPE),
 137         *                       OR FORMAT (READ/PRINT/PUNCH)
 138    883         BCE   TESTIO,1&X2,}  END OF STATEMENT?                   8  0883  B 867 0!1 } GMARK   5
 139    891         CW    1&X2                                             4  0891  ) 0!1                5
 140    895         C     0&X1  GET DOWN TO WM                             4  0895  C 0|0                5
 141    899         SAR   X1                                               4  0899  Q 089                5
 142    903         SBR   X1,1&X1                                          7  0903  H 089 0|1            5
 143    910         B     MOVE  MOVE LIST (R/W I/O TAPE) OR ONLY GMWM       4  0910  B 942                5
 144    914         B     TESTIO                                           4  0914  B 867                5
 145         *
 146         * NOT I/O, COPY EVERYTHING ELSE
 147         *
```

```
SEQ PG LIN  LABEL   OP    OPERANDS                                        SFX CT  LOCN  INSTRUCTION TYPE  CARD

148    918  NOTIO   CW    0&X1                                              4  0918  ) 0|0                6
149    922  COPY    BCE   DONE,0&X1,                                       8  0922  B 969 0|0            6
150    930          B     MOVE  MOVE PREFIX                                 4  0930  B 942                6
151    934          B     MOVE  MOVE BODY                                   4  0934  B 942                6
152    938          B     COPY                                              4  0938  B 922                6
153          *
154          * MOVE FROM CODE AREA TO LIST AREA
155          *
156    942  MOVE    SBR   MOVEX&3                                           4  0942  H 968                6
157    946          LCA   0&X1,0&X2                                         7  0946  L 0|0 0!0            6
158    953          SAR   X1                                                4  0953  Q 089                7
159    957          C     0&X2                                              4  0957  C 0!0                7
160    961          SAR   X2                                                4  0961  Q 094                7
161    965  MOVEX   B     0-0                                               4  0965  B 000                7
162          *
163    969  DONE    BSS   SNAPSH,D                                          5  0969  B 333 D              7
164    974          SBR   TPREAD&6,838                                      7  0974  H 786 838            7
165    981          SBR   CLRBOT                                            4  0981  H 833                7
166    985          SBR   LOADXX&3,937                                      7  0985  H 796 937            8
167    992          SBR   CLEARL&3,GMWM                                     7  0992  H 710 |18            8
168    999          LCA   STNUM2,PHASID                                     7  0999  L |17 110            8
169  1 006          B     LOADNX                                            4  1006  B 700                8
170          *
171  1 011  GM      DCW   @ }@                                             2  1011                       8
172  1 017  STNUM2  DCW   @STNUM2@                                          6  1017                       8
173  1 018  GMWM    DCW   @}@                                               1  1018            GMARK      8
174                ORG   201                                                      0201
175    203         DSA   LOADDD    LOAD ADDRESS FOR CARD-TO-TAPE PROGRAM   3  0203  845                  9
176                EX    BEGINN                                                   B 845                 10
177                END                                                            / 000 080
```

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
BEGINN	845	CLEARL	707	CLRBOT	833	COPY	922	DONE	969	GM	1011	GMWM	1018
LOADDD	845	LOADNX	700	LOADXX	793	MOVE	942	MOVEX	965	NOTIO	918	PHASID	110
SNAPSH	333	STNUM2	1017	TESTIO	867	TPREAD	780	X1	89	X2	94		