

BROADCAST MESSAGES TO ALL TTYS  
STORAGE ALLOCATION.

COMPASS - VER 2.

00/00/00 01.01.01.

PAGE 1

| ADDRESS | LENGTH | BINARY CONTROL CARDS. |        |
|---------|--------|-----------------------|--------|
| 0       | 0      | IDENT                 | BRODST |
| 0       |        | END                   |        |

EXTERNAL SYMBOLS.

DF:OPRO EC:RTRN EC:CIN

IDENT BRDCST

```
*
*
*
CALL      MACRO      LOC
+          SR7        *+1
          JP          LOC
          ENDM

*
*
X          MACRO      CAP,X,NAME,USER
          EQU         CPNTR
CPNTR      SET        CPNTR+1
          VFD         60/0L,NAME
          VFD         60/0L,USER
          ENDM

*
X          MACRO      CRSS,X,CNT
          EQU         CPNTR
CPNTR      SET        CPNTR+CNT
          ENDM

*
*
XJ         MACRO      LOC,AUTH
+          VFD         12/01308,18/LOC
          IFC         NE,/AUTH//
-          VFD         12/1,18/1
+          JP          *+1
-          VFD         1/1,11/0,18/AUTH
          ELSE
-          VFD         30/1
+          SR7        *+1
          JP          ERR
          ENDIF
          ENDM
```

PAGE

|    |                       |          |                                       |                         |
|----|-----------------------|----------|---------------------------------------|-------------------------|
| 0  | 00000000000000000000  | ORG      | 0                                     |                         |
| 0  | 00000000000000000000  | DATA     | 0.0                                   |                         |
| 2  | 02225403232400000000  | DATA     | 0LBRDCST,0LCLASS                      |                         |
| 4  | 00000000000000000005  | DATA     | 5                                     | NUMBER OF MAP ENTRIES   |
| 5  | 00000000000000000017  | DATA     | 15                                    | COMPILED MAP SIZE       |
| 6  | 00000000000000000343  | VFD      | 60/FL                                 | FIELD LENGTH            |
| 7  | 00000000000000000200  | VFD      | 60/ENTRY                              |                         |
| 10 | 00000000000000000062  | VFD      | 60/50                                 | CLIST SIZE              |
| 11 | 00000000000000000173  | VFD      | 60/SCR SZ                             |                         |
| *  |                       |          |                                       |                         |
| 12 | 00000000000000000000  | VFD      | 60/0,60/0,60/0,60/0,60/SCR SZ,60/0    | SCRATCH MAP ENTRY       |
| 13 | 00000000000000000000  |          |                                       |                         |
| 14 | 00000000000000000000  |          |                                       |                         |
| 15 | 00000000000000000000  |          |                                       |                         |
| 16 | 00000000000000000173  |          |                                       |                         |
| 17 | 00000000000000000000  |          |                                       |                         |
| *  |                       |          |                                       |                         |
| 20 | 02225403232400000000  | VFD      | 60/0LBRDCST,60/0LS                    |                         |
| 21 | 23000000000000000000  |          |                                       |                         |
| 22 | 000000000000000000173 | VFD      | 60/SCR SZ,60/SCR SZ,60/FL-SCR SZ,60/1 |                         |
| 23 | 000000000000000000173 |          |                                       |                         |
| 24 | 000000000000000000150 |          |                                       |                         |
| 25 | 00000000000000000001  |          |                                       |                         |
| *  |                       |          |                                       |                         |
| 26 | 77777777777777777776  | DATA     | -1                                    |                         |
| *  |                       |          |                                       |                         |
| *  |                       |          |                                       |                         |
| *  |                       |          |                                       |                         |
| 5  | C.SENDE               | EQU      | 5                                     |                         |
| 1  | C.READ                | EQU      | 1                                     |                         |
| 3  | C.READ                | EQU      | 3                                     |                         |
| 4  | C.WRITE               | EQU      | 4                                     |                         |
| *  |                       |          |                                       |                         |
| 16 | CPNTR                 | SET      | 14                                    |                         |
| *  |                       |          |                                       |                         |
| 27 | 15012324052200000000  | C.MCLST  | CAP                                   | MASTER,OPERATE          |
| 31 | 17205522031400000000  | C.OPERCL | CAP                                   | OPERCL,OPERATE          |
| 33 | 02225403232400000000  | C.MFILE  | CAP                                   | BRDCST,S                |
| *  |                       |          |                                       |                         |
| 35 | 00000000000000000000  | DATA     | 0                                     | END OF CLIST SPECIFIERS |
| *  |                       |          |                                       |                         |
| *  |                       |          |                                       |                         |
|    | C.INTF                | CRSS     | 1                                     |                         |
|    | C.SFILE               | CRSS     | 1                                     |                         |
|    | C.SREQ                | CRSS     | 1                                     |                         |
|    | C.SPSP                | CRSS     | 1                                     |                         |

## IP LISTS

```
*
*
*
*
*
36 4000000000 X          GTIF   VFD      1/1,29/=XEC:CIN,30/C.OPERCL,60/C.MCLST,60/2,60/C.INTF
      0000000017
37 0000000000000000016
40 0000000000000000002
41 00000000000000000021
*
42 0000000000000000003  RDINTF  VFD      60/C.READ,60/C.INTF,60/0,60/SINDEX,60/1
43 00000000000000000021
44 0000000000000000000
45 000000000000000000102
46 0000000000000000001
*
47 4000000000 X          GTF     VFD      1/1,29/=XEC:CIN,30/C.OPERCL,60/C.MCLST
      0000000017
50 00000000000000000016
51
52 00000000000000000022  GTF.X   BSSZ     1
      VFD      60/C.SFILE
*
53 4000000000 X          GTRQ    VFD      1/1,29/=XEC:CIN,30/C.OPERCL,60/C.MCLST
      0000000017
54 00000000000000000016
55
56 00000000000000000023  GTRQ.X   BSSZ     1
      VFD      60/C.SREQ
*
57 4000000000 X          GTRSP   VFD      1/1,29/=XEC:CIN,30/C.OPERCL,60/C.MCLST
      0000000017
60 00000000000000000016
61
62 00000000000000000024  GTRSP.X  BSSZ     1
      VFD      60/C.SRSP
*
63 00000000000000000001  READ     VFD      60/C.READ
*
*
*
20  MAXMSG   EQU      16
*
*
*
64 00000000000000000004  PTWMSG   VFD      60/C.WRITE,60/C.SFILE,60/0,60/MWRUF,60/17
65 00000000000000000022
66 00000000000000000000
67 000000000000000000151
70 000000000000000000021
71 000000000000000000004  PTMSG    VFD      60/C.WRITE,60/C.SFILE,60/0,60/MSGBUF,60/MAXMSG+1
72 00000000000000000022
73 00000000000000000000
74 000000000000000000130
75 000000000000000000021
```

BROADCAST MESSAGES TO ALL TTYS  
LOW CORE

COMPASS - VER 2.

00/00/00 01.01.04.

PAGE

6

76 00000000000000000005  
77 00000000000000000023  
100 00000000000000010000

PTEVNT

VFD

60/C.SENDE,60/C.SREQ,60/10000R

\*

\*

101 4000000000 X  
0000000017

RETURN

VFD

1/1.29/=XEC:RTN,30/C.OPERCL

```

*
*
*
* DATA AREA
*
*
102 SINDEK BSSZ 1
*
*
103 INSTRING BSSZ 15
122 CHAR BSSZ 1
123 INCNT BSSZ 1
124 INWDX BSSZ 1
125 INFLAG BSSZ 1
*
*
126 SVB7 BSSZ 1
*
*
127 OUTCNT BSSZ 1
130 000000000000000000 MSGBUF VFD 62/0
131 BSSZ MAXMSG
*
130 OUTWRDX EQU MSGBUF
*
* WAIT MESSAGE
*
151 000000000000000000 MWRUF VFD 62/2
152 00158012001200120127 VFD 12/0158,12/0128,12/0128,12/0128,12/1278
153 01010111012400540040 VFD 12/1018,12/1118,12/1248,12/0548,12/0408
154 BSSZ 15

```

```
*
*
173          173      SCRSZ      EQU      *
200 0130500254      ENTRY      XJ      5
202 0130500247      XJ      OPENCD,RAUTH
204 0130500236      XJ      READSELF
206 0130500242      XJ      GTIF
210 5110000102      SA1      RDINTF
73610          SX6      SINDEX
211 5160500251      SA6      X1
7266000001      SX6      GTF.X
212 5160500255      SA6      X6+1
7266000001      SX6      GTRQ.X
213 5160500261      SA6      X6+1
          GTRSP.X
*
214 0130500247      XJ      GTF      GET SPECAIL TTY FILE
216 0130500253      XJ      GTRQ      GET SPECIAL TTY REQ EV CHAN
220 0130500257      XJ      GTRSP      GET SPECAIL TTY RSP EV CHAN
*
*
222 0130500264      XJ      PTWMSG
224 0130500276      XJ      PTEVNT
*
*
226 76605          SX6      B0
          5160000125      SA6      INFLAG
*
*
227 76605          SX6      B0
          5160000127      SA6      OUTCNT
230 5160500130      SA6      OUTWRDX
*
*
*
*
*
*
231 6170500232      FORMLP      CALL      NEWCHAR
232 0300500235      ZR      X0,MSGOUTA
233 6170500234      CALL      PUTCHAR
234 0300500236      ZR      X0,MSGOUT
          0200000231      JP      FORMLP
*
*
235 5110500130      MSGOUTA      SA1      OUTWRDX
          0301000244      ZR      X1,DONE
*
236 46005          NO      4
          6160000004      SX6      READ
**      XJ      PTMSG
237 0130500071      XJ      PTEVNT
241 0130500076      XJ      RESET
243 0200500227      JP
```



BROADCAST MESSAGES TO ALL TTYS  
MAIN CODE

COMPASS - VER 2.

00/00/00 01.01.05.

PAGE 9

|     |                       |          |     |                                         |
|-----|-----------------------|----------|-----|-----------------------------------------|
|     |                       | *        |     |                                         |
|     |                       | *        |     |                                         |
| 244 | 0130000101            | DONE     | XJ  | RETURN                                  |
| 246 | 0200000246            | *        | JP  | *                                       |
|     |                       | *        |     |                                         |
| 247 | 00000000000000000003  | READSELF | VFD | 60/C.READ,60/C.MFILE,60/0,60/0,60/SCRSZ |
| 250 | 00000000000000000020  |          |     |                                         |
| 251 | 00000000000000000000  |          |     |                                         |
| 252 | 00000000000000000000  |          |     |                                         |
| 253 | 000000000000000000173 |          |     |                                         |
| 254 | 4000000000-X          | OPENCD   | VFD | 1/1,29/=XDF:0P00,30/C.0PFRCL            |
|     | 0000000017            |          |     |                                         |
| 255 | 00000000000000000020  |          | VFD | 60/C.MFILE                              |
| 256 | 00000000000000000000  | RAUTH    | VFD | 60/0                                    |
| 257 | 000000000010000000020 |          | VFD | 30/1,30/C.MFILE                         |
|     |                       | *        |     |                                         |
|     |                       | *        |     |                                         |
| 260 | 6160000004            | EPR      | S86 | 4                                       |
| 261 | 0130000063            |          | XJ  | READ                                    |
| 263 | 0130000101            |          | XJ  | RETURN                                  |

```

*
*
*      GET A NEW CHARACTER
*
*      INWDX      CURRENT WORD
*      INCNT      NUMBER OF CHARACTERS LEFT IN CURRENT WORD
*      INFLAG     0      NEW LINE NEEDED
*                1      NORMAL
*                2      LINE FEED NEEDED, THEN INFLAG = 0
*
*      ON RETURN X0 = 1 IF MORE TO COME, 0 IF THIS MESSAGE FINISHED
*
155      CR      EQU      155B
152      LF      EQU      152B
*
*
265  76672      5160000126      NEWCHAR  SX6      R7
266  5110000125      0301000271      SA6      SVR7
267  7211777776      0301000276      SA1      INFLAG
270  02000000313      JP      X1,NEWCHAR0
271  6110000103      6160000006      SX1      X1-1
272  01300000063      NEWCHAR0  ZR      X1,NEWCHAR1
274  76602      JP      NEWCHAR2
275  7160777776      5160000124      SB1      INSTRING
276  5110000123      0311000302      SB6      6
277  5110000124      7261000001      XJ      READ
300  54612      5216000103      SX6      R0
301  10611      54610      SA6      INCNT
302  7261777776      5160000123      SX6      -1
303  5110000124      5211000103      SA6      INWDX
304  20107      10611      *      NEWCHAR1  SA1      INCNT
305  54610      7110000010      NZ      X1,NEWCHAR0
306  10611      54610      SA1      INWDX
307  54610      7110000010      SX6      X1+1
308  10611      54610      SA6      A1
309  54610      7110000010      SA1      X6+INSTRING
310  10611      54610      LX1      4
311  54610      7110000010      BX6      X1
312  10611      54610      SA6      A1
313  54610      7110000010      SX1      8
314  10611      54610      *      NEWCHAR0  SX6      X1-1
315  54610      7110000010      SA6      INCNT
316  10611      54610      SA1      INWDX
317  54610      7110000010      SA1      X1+INSTRING
318  10611      54610      LX1      7
319  54610      7110000010      BX6      X1
320  10611      54610      SA6      A1

```

|     |            |          |     |             |
|-----|------------|----------|-----|-------------|
|     | 43065      |          | MX0 | 60-7        |
| 305 | 15665      |          | BX6 | -X0*X6      |
|     | 5160000122 |          | SA6 | CHAR        |
| 306 | 7256777622 |          | SX5 | X6-CR       |
|     | 7100000001 |          | SX0 | 1           |
| 307 | 7160000001 |          | SX6 | 1           |
|     | 0315000316 |          | NZ  | X5,NEWCHARZ |
| 310 | 5110000125 |          | SA1 | INFLAG      |
|     | 7160000002 |          | SX6 | 2           |
| 311 | 0311000316 |          | NZ  | X1,NEWCHARZ |
|     | 76000      |          | SX0 | B0          |
|     | 76600      |          | SX6 | B0          |
| 312 | 0200000316 |          | JP  | NEWCHARZ    |
|     |            | *        |     |             |
| 313 | 7160000152 | NEWCHAR2 | SX6 | LF          |
|     | 5160000122 |          | SA6 | CHAR        |
| 314 | 76605      |          | SX6 | B0          |
|     | 7100000001 |          | SX0 | 1           |
| 315 | 0200000316 |          | JP  | NEWCHARZ    |
|     |            | *        |     |             |
| 316 | 5160000125 | NEWCHARZ | SA6 | INFLAG      |
|     | 5110000126 |          | SA1 | SVB7        |
| 317 | 63715      |          | SB7 | X1          |
|     | 0270000000 |          | JP  | B7          |

INSERT A CHARACTER INTO BROADCAST MESSAGE

OUTWRDX CURRENT WORD BEING ASSEMBLED  
OUTCNT NUMBER OF FREE SPACES IN CURRENT WORD

ON RETURN X0 = 1 IF MORE ROOM, 0 IF NO MORE ROOM

SENDS NON PARITY TTY CODES

40 BLANK EQU 40B

320 5110500122  
43065 15110

321 7211500040  
15110

322 5120500127  
03120000326

323 5120500130  
72620000001

324 7222777757  
03220000335

325 54625  
71200000025

326 7262777776  
5160000127

327 43065  
43260 7130000040

330 0305500333  
20114 12113

331 20214  
11202 7265777776

332 0200500330

333 5140500130  
5244000130

334 11624  
12616 54640

335 5110500127

PUTCHAR S41 CHAR  
MX0 60-7  
RX1 -X0\*X1  
SX1 X1+40B  
RX1 -X0\*X1  
SA2 OUTCNT  
NZ X2,PUTCHARA  
SA2 OUTWRDX  
SX6 X2+1  
SX2 X2-MAXMSG  
PL X2,PUTCHARD  
SA6 A2  
SX2 5

PUTCHARA SX6 X2-1  
SA6 OUTCNT  
MX0 60-12  
MX2 61-12  
SX3 BLANK

PUTCHARB ZR X6,PUTCHARC  
LX1 12  
RX1 X1+X3  
LX2 12  
RX2 X0\*X2  
SX6 X6-1  
JP PUTCHARB

PUTCHARC S44 OUTWRDX  
S44 X4+MSGBUF  
BX6 X2\*X4  
BX6 X1+X6  
SA6 A4

PUTCHARD S41 OUTCNT

CONVERT TO TTY

|     |            |              |             |
|-----|------------|--------------|-------------|
|     | 0311000341 | NZ           | X1,PUTCHARE |
| 336 | 5110000130 | SA1          | OUTWRDX     |
|     | 7221777757 | SX2          | X1-MAXMSG   |
| 337 | 0332000341 | NG           | X2,PUTCHARE |
|     | 76000      | SX0          | B0          |
| 340 | 0270000000 | JP           | B7          |
|     |            | *            |             |
| 341 | 7100000001 | PUTCHARE SX0 | 1           |
|     | 0270000000 | JP           | B7          |
|     |            | *            |             |

342 00000000000000000001

\*  
\*  
DATA 1

343 00000000000000000001

\*  
FL DATA 1

0

\*  
END

35207

STORAGE USED  
6600 ASSEMBLY499 STATEMENTS  
2.342 SECONDS67 SYMBOLS  
221 REFERENCES

00/00/00 01.01.06.

PAGE 15

|          |     |           |         |         |         |         |         |        |        |       |  |  |
|----------|-----|-----------|---------|---------|---------|---------|---------|--------|--------|-------|--|--|
| PEAD     | 63  |           | 5/37 L  | 9/19    | 10/30   |         |         |        |        |       |  |  |
| PLANK    | 40  |           | 12/16 D | 12/37   |         |         |         |        |        |       |  |  |
| CHAR     | 122 |           | 7/13 L  | 11/03 S | 11/16 S | 15/19   |         |        |        |       |  |  |
| CPNTR    | 25  |           | 4/37 D  | 4/39    | 4/40    | 6/41    | 4/46    | 4/47   | 4/48   | 4/49  |  |  |
|          |     |           | 4/39    | 4/40    | 4/41    | 4/46    | 4/47    | 4/48   | 4/49   |       |  |  |
|          |     |           | 4/39 D  | 4/40 D  | 4/41 D  | 4/46 D  | 4/47 D  | 4/48 D | 4/49 D |       |  |  |
| CR       | 155 |           | 10/16 D | 11/04   |         |         |         |        |        |       |  |  |
| C.READ   | 1   |           | 4/33 D  | 5/37    |         |         |         |        |        |       |  |  |
| C.INTF   | 21  |           | 4/46 D  | 5/11    | 5/14    |         |         |        |        |       |  |  |
| C.MCLST  | 16  |           | 4/39 D  | 5/09    | 5/21    | 5/27    | 5/33    |        |        |       |  |  |
| C.MFILE  | 20  |           | 4/41 D  | 9/07    | 9/13    | 5/15    |         |        |        |       |  |  |
| C.OPERCL | 17  |           | 4/40 D  | 5/08    | 5/20    | 5/26    | 5/32    | 6/07   | 9/12   |       |  |  |
| C.READ   | 3   |           | 4/34 D  | 5/13    | 9/06    |         |         |        |        |       |  |  |
| C.SENDE  | 5   |           | 4/32 D  | 6/01    |         |         |         |        |        |       |  |  |
| C.SFILE  | 22  |           | 4/47 D  | 5/23    | 5/45    | 5/50    |         |        |        |       |  |  |
| C.SREQ   | 23  |           | 4/48 D  | 5/29    | 6/02    |         |         |        |        |       |  |  |
| C.SRSP   | 24  |           | 4/49 D  | 5/35    |         |         |         |        |        |       |  |  |
| C.WRITE  | 4   |           | 4/35 D  | 5/44    | 5/49    |         |         |        |        |       |  |  |
| CF:OPRO  | 0   | EXTERNAL* | 9/11    |         |         |         |         |        |        |       |  |  |
| DONE     | 244 |           | 8/46    | 9/03 L  |         |         |         |        |        |       |  |  |
| FC:CTN   | 0   | EXTERNAL* | 5/07    | 5/19    | 5/25    | 5/31    |         |        |        |       |  |  |
| FC:IRTRN | 0   | EXTERNAL* | 6/06    |         |         |         |         |        |        |       |  |  |
| ENTRY    | 200 |           | 4/10    | 8/05 L  |         |         |         |        |        |       |  |  |
| FRD      | 260 |           | 8/07    | 8/09    | 8/19    | 8/23    | 8/52    | 9/04   | 9/20   | 10/31 |  |  |
|          |     |           | 8/08    | 8/18    | 8/20    | 8/24    | 8/53    | 9/18 L | 9/21   |       |  |  |
|          |     |           | 4/09    | 4/25    | 14/05 L |         |         |        |        |       |  |  |
| FL       | 243 |           | 8/38 L  | 8/42    |         |         |         |        |        |       |  |  |
| FORMLP   | 231 |           | 5/19 L  | 8/17    |         |         |         |        |        |       |  |  |
| GTF      | 47  |           | 5/22 L  | 8/11 S  |         |         |         |        |        |       |  |  |
| GTF.X    | 51  |           | 5/07 L  | 8/07    |         |         |         |        |        |       |  |  |
| GTF      | 36  |           | 5/25 L  | 8/18    |         |         |         |        |        |       |  |  |
| GTRQ     | 53  |           | 5/28 L  | 8/13 S  |         |         |         |        |        |       |  |  |
| GTRQ.X   | 55  |           | 5/31 L  | 8/19    |         |         |         |        |        |       |  |  |
| GTRSP    | 57  |           | 5/34 L  | 8/15 S  |         |         |         |        |        |       |  |  |
| GTRSP.X  | 61  |           | 7/14 L  | 10/32 S | 10/36   | 15/48 S |         |        |        |       |  |  |
| INCNT    | 123 |           | 7/16 L  | 8/27 S  | 10/22   | 11/08   | 11/21 S |        |        |       |  |  |
| INFLAG   | 125 |           | 7/12 L  | 10/28   | 10/41   | 15/50   |         |        |        |       |  |  |
| INSTRING | 103 |           | 7/15 L  | 10/34 S | 10/38   | 15/49   |         |        |        |       |  |  |
| INWDX    | 124 |           | 10/17 D | 11/15   |         |         |         |        |        |       |  |  |
| LF       | 152 |           | 5/40 D  | 5/53    | 7/25    | 15/58   | 13/03   |        |        |       |  |  |
| MAXMSG   | 20  |           | 5/52    | 7/24 L  | 7/27    | 12/48   |         |        |        |       |  |  |
| MSGBUF   | 130 |           | 8/41    | 8/48 L  |         |         |         |        |        |       |  |  |
| MSGOUT   | 236 |           | 8/39    | 8/45 L  |         |         |         |        |        |       |  |  |
| MSGOUTA  | 235 |           | 5/47    | 7/32 L  |         |         |         |        |        |       |  |  |
| MWBUF    | 151 |           | 8/39    | 10/20 L |         |         |         |        |        |       |  |  |
| NEWCHAR  | 265 |           | 10/37   | 10/47 L |         |         |         |        |        |       |  |  |
| NEWCHARA | 202 |           | 11/07   | 11/10   | 11/13   | 11/19   | 11/21 L |        |        |       |  |  |
| NEWCHARZ | 216 |           | 10/23   | 10/28 L |         |         |         |        |        |       |  |  |
| NEWCHAR0 | 271 |           | 10/25   | 10/36 L |         |         |         |        |        |       |  |  |
| NEWCHAR1 | 276 |           | 10/26   | 11/15 L |         |         |         |        |        |       |  |  |
| NEWCHAR2 | 213 |           | 8/05    | 9/11 L  |         |         |         |        |        |       |  |  |
| OPENCD   | 254 |           | 7/23 L  | 8/31 S  | 12/24   | 15/34 S | 12/53   |        |        |       |  |  |
| OUTCNT   | 127 |           | 7/27 D  | 8/32 S  | 8/45    | 15/26   | 12/47   | 13/02  |        |       |  |  |
| OUTWRDX  | 130 |           |         |         |         |         |         |        |        |       |  |  |

BROADCAST MESSAGES TO ALL TTYS  
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2.

00/00/00 01.01.06.

PAGE 16

|          |     |         |         |         |      |      |        |      |
|----------|-----|---------|---------|---------|------|------|--------|------|
| PTFVNT   | 76  | 6/01 L  | 8/23    | 8/52    |      |      |        |      |
| PTMSG    | 71  | 5/49 L  | 8/51    |         |      |      |        |      |
| PTWMSG   | 64  | 5/44 L  | 8/22    |         |      |      |        |      |
| PUTCHAR  | 320 | 8/41    | 12/19 L |         |      |      |        |      |
| PUTCHARA | 326 | 12/25   | 12/33 L |         |      |      |        |      |
| PUTCHARB | 330 | 12/39 L | 12/45   |         |      |      |        |      |
| PUTCHARC | 333 | 12/39   | 12/47 L |         |      |      |        |      |
| PUTCHARD | 335 | 12/29   | 12/53 L |         |      |      |        |      |
| PUTCHARE | 341 | 13/01   | 13/04   | 13/08 L |      |      |        |      |
| PAIITH   | 256 | 8/06    | 9/14 L  |         |      |      |        |      |
| PDINTF   | 42  | 5/13 L  | 8/08    |         |      |      |        |      |
| READSELF | 247 | 8/06    | 9/06 L  |         |      |      |        |      |
| RESET    | 227 | 8/30 L  | 8/53    |         |      |      |        |      |
| RETURN   | 101 | 6/06 L  | 9/03    | 9/20    |      |      |        |      |
| SCPS7    | 173 | 4/12    | 4/18    | 4/23    | 4/24 | 4/25 | 8/03 D | 9/10 |
| SINDEX   | 102 | 5/16    | 7/08 L  | 8/09    |      |      |        |      |
| SVR7     | 126 | 7/19 L  | 10/21 S | 11/22   |      |      |        |      |