

|         |        |        |
|---------|--------|--------|
| PROGRAM | 000000 | 016745 |
| UNUSED  | 016745 | 007535 |
| TABLES  | 026502 | 013276 |

| BLOCK    | ORIGIN | LENGTH | DATE     | FILE   |
|----------|--------|--------|----------|--------|
| -----    | -----  | -----  | ----     | ----   |
| USERA    | 000100 | 000000 | 07/08/71 | TEMP   |
| LOWCORE  | 000100 | 000000 | 08/31/71 | TEMP   |
| HEADERS  | 000100 | 000016 | 08/31/71 | TEMP   |
| DABUF    | 000116 | 000011 | 08/31/71 | TEMP   |
| COMCORE  | 000127 | 000230 | 08/31/71 | TEMP   |
| LOCSYMB  | 000357 | 000022 | 08/31/71 | TEMP   |
| DEBUGLOC | 000401 | 000105 | 08/31/71 | TEMP   |
| USERB    | 000506 | 000000 | 00/00/00 | TEMP   |
| DEBUG    | 000506 | 000731 | 00/00/00 | TEMP   |
| GFILE    | 001437 | 000000 | 07/24/71 | TEMP   |
| MAINCL   | 001437 | 000000 | 04/13/71 | TEMP   |
| ENTRY    | 001437 | 000604 | 07/08/71 | TEMP   |
| CREATE   | 002243 | 001001 | 05/13/71 | TEMP   |
| CREBLK   | 003244 | 001116 | 00/00/00 | TEMP   |
| OPNCLO   | 004362 | 001126 | 07/09/71 | TEMP   |
| ATTACH   | 005510 | 000653 | 07/06/71 | TEMP   |
| CLAIM    | 006363 | 000403 | 02/18/71 | TEMP   |
| ASORT    | 006766 | 001277 | 07/17/71 | TEMP   |
| SERVICE  | 010265 | 000174 | 04/01/71 | TEMP   |
| ALLOC    | 010461 | 000613 | 03/07/71 | TEMP   |
| ACCNT    | 011274 | 001035 | 09/02/71 | TEMP   |
| DARSPA   | 012331 | 000106 | 09/02/71 | TEMP   |
| LOCK     | 012437 | 000415 | 03/25/71 | TEMP   |
| COMMIO   | 013054 | 000717 | 07/23/71 | TEMP   |
| USERIO   | 013773 | 000123 | 07/23/71 | TEMP   |
| HASH     | 014116 | 000572 | 03/25/71 | TEMP   |
| CONSTR   | 014710 | 000134 | 03/24/71 | TEMP   |
| CONSTR1  | 015044 | 000205 | 03/24/71 | TEMP   |
| USERC    | 015251 | 001474 | 07/08/71 | TEMP   |
| OPERCL   | 016745 | 000000 | 09/02/71 | OPERCL |

## FULL MAP

## UNSATISFIED EXTERNALS

|         |        |       |
|---------|--------|-------|
| BK.GO   | 377777 | DEBUG |
| BK.LINK | 377777 | DEBUG |
| BK.NAME | 377777 | DEBUG |
| BK.NPTR | 377777 | DEBUG |
| BK.STOP | 377777 | DEBUG |
| DEBUG2  | 377777 | DEBUG |
| DUNLOKW | 377777 | ACCNT |
| D.AFLAG | 377777 | DEBUG |

|          |        |                 |
|----------|--------|-----------------|
| USERA    | -----  |                 |
| BEADC    | 000022 | DEBUG, DEBUGLOC |
| * COMMRO | 000001 |                 |

USRDSK

5434

473

|           |        |                                                                                                                                                  |
|-----------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| * COMMRW  | 000000 |                                                                                                                                                  |
| COMMRWF   | 000000 | ENTRY                                                                                                                                            |
| * CPARAMS | 000000 |                                                                                                                                                  |
| CTEMP     | 000027 | CREBLK                                                                                                                                           |
| DENTRY    | 000002 | ALLOC                                                                                                                                            |
| DSKLCK    | 000025 | COMMIO, DEBUG                                                                                                                                    |
| FILCL     | 000016 | SERVICE, ASORT, OPNCLO, CREATE                                                                                                                   |
| FILECAP   | 000026 | CONSTR, COMMIO, SERVICE, ASORT, ATTACH, OPNCLO, CREBLK, CREATE, ENTRY                                                                            |
| HENTRY    | 000003 | USERIO                                                                                                                                           |
| * LENTRY  | 000005 |                                                                                                                                                  |
| MAINCL    | 000014 | CONSTR, CONSTR, HASH, USERIO, COMMIO, LOCK, DARSPA, ACCNT, ALLOC, ASORT<br>CLAIM, OPNCLO, CREATE, ENTRY, DEBUG, COMCORE                          |
| MYCODE    | 000006 | ENTRY, DEBUG                                                                                                                                     |
| MYEVCH    | 000010 | HASH, LOCK, ACCNT, CLAIM, ENTRY                                                                                                                  |
| MYRESP    | 000011 | USERIO, COMMIO, ASORT, OPNCLO, ENTRY                                                                                                             |
| MYSORF    | 000007 | ACCNT, ENTRY                                                                                                                                     |
| MYSUBP    | 000005 | USERIO, ALLOC                                                                                                                                    |
| OPERCL    | 000015 | CONSTR, CONSTR, HASH, USERIO, COMMIO, LOCK, DARSPA, ACCNT, ALLOC, SERVICE<br>ASORT, CLAIM, ATTACH, OPNCLO, CREBLK, CREATE, ENTRY, DEBUG, COMCORE |
| READCAP   | 000023 | CONSTR, CONSTR, HASH, LOCK, ACCNT, ALLOC, SERVICE, ASORT, CLAIM, ATTACH<br>OPNCLO, CREBLK, CREATE, ENTRY, DEBUG                                  |
| RESP      | 000021 | ENTRY                                                                                                                                            |
| SCRCL     | 000017 | ACCNT, ENTRY                                                                                                                                     |
| SLEEP     | 000020 | HASH, LOCK, ASORT, CLAIM, OPNCLO, CREATE, ENTRY                                                                                                  |
| SYSAB     | 000012 | ENTRY                                                                                                                                            |
| * TENTRY  | 000004 |                                                                                                                                                  |
| USERAB    | 000013 | DARSPA, ACCNT                                                                                                                                    |
| WRITCAP   | 000024 | CONSTR, CONSTR, HASH, USERIO, COMMIO, LOCK, ACCNT, ALLOC, ASORT, CLAIM<br>ATTACH, OPNCLO, CREBLK, CREATE                                         |
| LOWCORE   | -----  |                                                                                                                                                  |
| AP0       | 000006 | ENTRY                                                                                                                                            |
| AP1       | 000007 | ACCNT, ASORT, ATTACH, OPNCLO, CREBLK, CREATE, ENTRY                                                                                              |
| AP2       | 000010 | ACCNT, ASORT, CLAIM, ATTACH, OPNCLO, CREBLK, ENTRY                                                                                               |
| AP3       | 000011 | ACCNT, ATTACH, OPNCLO, CREBLK, ENTRY                                                                                                             |
| AP4       | 000012 | ACCNT, CREBLK, ENTRY                                                                                                                             |
| * AP5     | 000013 |                                                                                                                                                  |
| * AP6     | 000014 |                                                                                                                                                  |
| * AP7     | 000015 |                                                                                                                                                  |
| AP8       | 000016 | ENTRY                                                                                                                                            |
| * INTDAT  | 000002 |                                                                                                                                                  |
| * ORGADDR | 000003 |                                                                                                                                                  |
| * ORGCLST | 000004 |                                                                                                                                                  |
| * ORGMAP  | 000005 |                                                                                                                                                  |
| HEADERS   | -----  |                                                                                                                                                  |
| DD.LEN    | 000010 | LOCK                                                                                                                                             |
| DD.LOCK   | 000001 | LOCK                                                                                                                                             |
| * FB.FUND | 000103 |                                                                                                                                                  |
| FB.LEN    | 000004 | CREATE                                                                                                                                           |
| * FB.NAME | 000100 |                                                                                                                                                  |
| * FB.SHAP | 000102 |                                                                                                                                                  |
| * FB.WD3  | 000101 |                                                                                                                                                  |
| * FHB     | 000100 |                                                                                                                                                  |
| * FHR     | 000104 | LOCK, SERVICE, ASORT, OPNCLO, CREATE, DEBUG                                                                                                      |
| * FHRANDR | 000114 | CONSTR, USERIO, COMMIO, LOCK, SERVICE, ASORT, CLAIM, ATTACH, OPNCLO, CREBLK                                                                      |

|               |        |                                        |
|---------------|--------|----------------------------------------|
| CREATE, DEBUG |        |                                        |
| *FILEADR      | 000115 | CREBLK                                 |
| *FR.CAPX      | 000106 | SERVICE, ASORT, OPNCLO, CREATE         |
| *FR.CLAM      | 000110 | ASORT, CLAIM, CREATE                   |
| *FR.DAR       | 000105 | ASORT, OPNCLO, CREBLK, CREATE          |
| *FR.DBSZ      | 000107 | COMMIO                                 |
| *FR.DDS       | 000106 | CONSTR, CONSTR, OPNCLO, CREATE         |
| *FR.FLAG      | 000107 | CONSTR, SERVICE, ASORT, OPNCLO, CREATE |
| *FR.EROZ      | 000107 |                                        |
| *FR.FUND      | 000111 | ASORT, OPNCLO, CREATE                  |
| FR.LEN        | 000010 | LOCK, ASORT, OPNCLO, CREATE, DEBUG     |
| *FR.LOCK      | 000105 | LOCK                                   |
| *FR.MEMB      | 000111 | COMMIO, ASORT, CREATE                  |
| *FR.NAME      | 000104 | USERIO, COMMIO, ASORT, OPNCLO, CREATE  |
| *FR.ONEL      | 000107 |                                        |
| *FR.OPEN      | 000106 | ASORT, OPNCLO, CREBLK, CREATE          |
| *FR.ROOT      | 000112 | SERVICE, ASORT, OPNCLO, CREATE         |
| *FR.SHAP      | 000113 | SERVICE, ASORT, OPNCLO, CREATE         |
| *FR.SIZE      | 000107 | ASORT, OPNCLO, CREBLK, CREATE          |
| *FR.SUSP      | 000105 |                                        |
| *FR.WD1       | 000105 |                                        |
| *FR.WD2       | 000106 |                                        |
| *FR.WD3       | 000107 |                                        |
| *FR.WRIT      | 000107 |                                        |

|          |        |                                     |
|----------|--------|-------------------------------------|
| DABUF    |        |                                     |
| *DAB     | 000116 |                                     |
| *DAR     | 000116 | LOCK, ACCNT                         |
| *DARADDR | 000126 | LOCK, DARSPA, ACCNT, OPNCLO, CREATE |
| *DASABNO | 000116 | ACCNT                               |
| *DASDESC | 000125 | ACCNT                               |
| *DASEILS | 000120 | DARSPA                              |
| *DASFREE | 000117 |                                     |
| *DASHASH | 000117 |                                     |
| *DASNAC  | 000120 |                                     |
| DASLEN   | 000010 | ACCNT                               |
| *DASLOCK | 000117 |                                     |
| *DASLOG  | 000003 |                                     |
| *DASOPEN | 000120 | ACCNT                               |
| *DASPEND | 000125 | DARSPA, ACCNT                       |
| *DASSPAC | 000121 | DARSPA, ACCNT                       |
| *DASSUSP | 000117 |                                     |
| *DASTAG  | 000120 | ACCNT                               |

|          |        |                                                                                                  |
|----------|--------|--------------------------------------------------------------------------------------------------|
| COMCORE  |        |                                                                                                  |
| *APTPL   | 000317 | ALLOC                                                                                            |
| *CLKBUF  | 000254 | ENTRY, DEBUG                                                                                     |
| *DATPL   | 000312 | ALLOC                                                                                            |
| *DDSIPL  | 000266 | CONSTR, CONSTR, HASH, COMMIO, LOCK, ACCNT, SERVICE, ASORT, ATTACH, OPNCLO, CREBLK, CREATE, DEBUG |
| *DSWPTIM | 000262 | ASORT, ENTRY                                                                                     |
| *DSYSTIM | 000261 | ASORT, ENTRY                                                                                     |
| *DUSRTIM | 000263 | ASORT, ENTRY                                                                                     |
| *ERRADDR | 000205 | ENTRY                                                                                            |
| *ERRPACK | 000206 | COMMIO, ASORT, ENTRY, DEBUG                                                                      |
| *HASHIPL | 000300 | HASH                                                                                             |

|          |        |                                                                                                                                         |
|----------|--------|-----------------------------------------------------------------------------------------------------------------------------------------|
| +HASHT1  | 000165 | HASH                                                                                                                                    |
| +HASHT2  | 000166 | HASH                                                                                                                                    |
| +HASHT3  | 000167 | HASH                                                                                                                                    |
| +IOTBUF  | 000355 | USERIO, COMMIO                                                                                                                          |
| +IOTIPL  | 000305 | USERIO, COMMIO                                                                                                                          |
| +IPLIST  | 000324 | CONSTR, CONSTR, HASH, USERIO, COMMIO, LOCK, DARSPA, ACCNT, ALLOC, SERVICE<br>ASORT, CLAIM, ATTACH, OPNCLO, CREBLK, CREATE, ENTRY        |
| +LOCKB4  | 000162 | LOCK                                                                                                                                    |
| +LOCKB5  | 000163 | LOCK                                                                                                                                    |
| +LOCKB6  | 000164 | LOCK                                                                                                                                    |
| +LOCKTMP | 000161 | LOCK                                                                                                                                    |
| +MAPBUF  | 000243 | ASORT, ATTACH                                                                                                                           |
| +MYDAR   | 000172 | ATTACH, OPNCLO, CREBLK, CREATE                                                                                                          |
| +MYEXOCC | 000177 | DARSPA                                                                                                                                  |
| +MYIDENT | 000170 | HASH, COMMIO, LOCK, ACCNT, ASORT, CLAIM, OPNCLO, ENTRY                                                                                  |
| +MYINFO  | 000173 | ACCNT, ENTRY                                                                                                                            |
| +MYSWECS | 000173 | DARSPA, ACCNT                                                                                                                           |
| +MYUNIT  | 000171 | ALLOC                                                                                                                                   |
| N.INFO   | 000011 | ACCNT                                                                                                                                   |
| +PAGESW  | 000243 | CONSTR, CONSTR, ACCNT, ASORT                                                                                                            |
| +PROCADR | 000204 | ASORT, ATTACH, ENTRY                                                                                                                    |
| +REIERR  | 000235 | ENTRY                                                                                                                                   |
| +RETRARM | 000240 | ENTRY                                                                                                                                   |
| +SETPCNT | 000231 | ENTRY                                                                                                                                   |
| +STKBUF  | 000226 | ASORT, ENTRY                                                                                                                            |
| +SUSPIPL | 000273 | HASH, LOCK, ACCNT, CLAIM, ENTRY                                                                                                         |
| +SYSERR  | 000264 | CONSTR, CONSTR, HASH, USERIO, COMMIO, LOCK, DARSPA, ACCNT, ALLOC, SERVICE<br>ASORT, CLAIM, ATTACH, OPNCLO, CREBLK, CREATE, ENTRY, DEBUG |
| +TEMPA   | 000143 | CONSTR, USERIO, COMMIO, ACCNT, ASORT                                                                                                    |
| +TEMPB   | 000144 | COMMIO, ACCNT, ASORT                                                                                                                    |
| +TEMPC   | 000145 | COMMIO, ASORT                                                                                                                           |
| +TEMPE   | 000146 | COMMIO, ASORT                                                                                                                           |
| +TEMPD   | 000147 | COMMIO                                                                                                                                  |
| +TEMPF   | 000150 | COMMIO                                                                                                                                  |
| +TEMPI   | 000151 | COMMIO                                                                                                                                  |
| *+TEMPH  | 000152 |                                                                                                                                         |
| +TEMPV   | 000153 | ALLOC                                                                                                                                   |
| +TEMPW   | 000154 | ALLOC                                                                                                                                   |
| +TEMPIX  | 000155 | ACCNT, ALLOC, OPNCLO                                                                                                                    |
| +TEMPY   | 000156 | DARSPA, ALLOC                                                                                                                           |
| +TEMPZ   | 000157 | ACCNT, ALLOC                                                                                                                            |
| +TEMPQ   | 000127 | ASORT, ATTACH, CREBLK, CREATE                                                                                                           |
| +TEMP1   | 000130 | ATTACH, OPNCLO, CREBLK, CREATE, ENTRY                                                                                                   |
| +TEMP10  | 000141 | CREBLK                                                                                                                                  |
| +TEMP11  | 000142 | CREBLK                                                                                                                                  |
| +TEMP2   | 000131 | SERVICE, ATTACH, CREBLK                                                                                                                 |
| +TEMP3   | 000132 | ATTACH, OPNCLO, CREBLK                                                                                                                  |
| +TEMP4   | 000133 | ATTACH, CREBLK, CREATE                                                                                                                  |
| +TEMP5   | 000134 | CONSTR, SERVICE, CLAIM, ATTACH, OPNCLO, CREBLK                                                                                          |
| +TEMP6   | 000135 | ATTACH, CREBLK                                                                                                                          |
| +TEMP7   | 000136 | CREBLK                                                                                                                                  |
| +TEMP8   | 000137 | CREBLK                                                                                                                                  |
| *+TEMP9  | 000140 |                                                                                                                                         |
| +USRPACK | 000335 | ACCNT, ASORT, ATTACH, ENTRY                                                                                                             |

LOCSYMB -----

|           |        |                                                               |
|-----------|--------|---------------------------------------------------------------|
| +ALLCLO   | 000372 | ASORT                                                         |
| +ALLCLT1  | 000373 | ASORT                                                         |
| +ALLCLT2  | 000374 | ASORT                                                         |
| +ATTACHR1 | 000367 | ATTACH                                                        |
| +ATTACHR  | 000362 | ATTACH                                                        |
| +CHMAPB1  | 000363 | ATTACH                                                        |
| +CHMAPR   | 000365 | ATTACH                                                        |
| +CLOSER   | 000362 | OPNCLO                                                        |
| +CREATB1  | 000363 | CREATE                                                        |
| +CREATER  | 000362 | CREATE                                                        |
| +CREBLKR  | 000362 | CREBLK                                                        |
| +CREPTRR  | 000364 | CREBLK                                                        |
| +DEBLKR   | 000362 | CREBLK                                                        |
| +DETACHR  | 000362 | ATTACH                                                        |
| +DETALLR  | 000364 | OPNCLO                                                        |
| +ERRCLAS  | 000377 | ATTACH, ENTRY                                                 |
| +ERRNUM   | 000376 | ACNT, ASORT, CLAIM, ATTACH, OPNCLO, CREBLK, CREATE, ENTRY     |
| +LFHADDR  | 000360 | CONSTR, SERVICE, ASORT, CLAIM, ATTACH, OPNCLO, CREBLK, CREATE |
| +LFTFREE  | 000357 | CONSTR, ATTACH, OPNCLO, CREBLK, CREATE, ENTRY                 |
| +LOCSTAT  | 000361 | ACNT, ENTRY                                                   |
| +MAPX     | 000375 | ASORT                                                         |
| +MOVBLKR  | 000362 | CREBLK                                                        |
| +OPENR    | 000362 | OPNCLO                                                        |
| +PRIFHR   | 000366 | ASORT                                                         |
| +PRIFH    | 000367 | ASORT                                                         |
| +SECFHR   | 000370 | ASORT                                                         |
| +SECFH    | 000371 | ASORT                                                         |
| +SETUPR   | 000366 | SERVICE                                                       |
| +SIZE     | 000400 | CREBLK                                                        |
| +ZROMAPR  | 000364 | ATTACH                                                        |

|           |        |              |
|-----------|--------|--------------|
| DEBUGLOC  | -----  |              |
| +BK.NUM   | 000445 | DEBUG        |
| +CALREAD  | 000414 | DEBUG        |
| +DEBUGPL  | 000403 | DEBUG        |
| +D.BKADR  | 000446 | DEBUG        |
| +D.BKBUF  | 000451 | DEBUG        |
| +D.BKCAL  | 000450 | DEBUG        |
| +D.BKIND  | 000447 | DEBUG        |
| +D.CTR    | 000504 | DEBUG        |
| +D.DCAP   | 000502 | DEBUG        |
| +D.ENTRY  | 000401 | ENTRY, DEBUG |
| +D.EVCH   | 000441 | DEBUG        |
| +D.FHBAD  | 000503 | DEBUG        |
| *+D.FNAME | 000444 |              |
| +D.SPYF   | 000504 | DEBUG        |
| +D.SPYN   | 000505 | DEBUG        |
| +D.SWPTM  | 000504 | DEBUG        |
| +D.SYSTM  | 000504 | DEBUG        |
| +D.TBUF   | 000436 | DEBUG        |
| *+D.TEMP  | 000435 |              |
| +D.USRTM  | 000504 | DEBUG        |
| +REGS     | 000415 | DEBUG        |

|          |        |              |
|----------|--------|--------------|
| USERB    | -----  |              |
| +COMMROF | 000506 | ENTRY, USERA |

|          |        |                                                                                                             |
|----------|--------|-------------------------------------------------------------------------------------------------------------|
| +COMMRWL | 000506 | ENTRY, USERA                                                                                                |
| DEBUG    |        |                                                                                                             |
| *BK.DYN  | 001013 |                                                                                                             |
| *BK.SAVE | 001041 |                                                                                                             |
| +D.BEGIN | 000555 | DEBUGLOC                                                                                                    |
| +D.SPY1  | 001420 | ENTRY                                                                                                       |
| +D.SPY2  | 001424 | ENTRY                                                                                                       |
| +D.SYSER | 000506 | COMCORE                                                                                                     |
| GFILE    |        |                                                                                                             |
| DARHASH  | 044536 | ACCNT                                                                                                       |
| FHRHASH  | 044336 | OPNCLO, CREATE                                                                                              |
| GF.APTF  | 044276 | ALLOC                                                                                                       |
| GF.APTL  | 044336 | ALLOC                                                                                                       |
| GF.DATF  | 040276 | ALLOC                                                                                                       |
| GF.DATL  | 044276 | ALLOC                                                                                                       |
| GF.DDSF  | 001076 | CONSTR, CONSTR, HASH, COMMIO, LOCK, ACCNT, SERVICE, ASORT, ATTACH, OPNCLO<br>CREBLK, CREATE, DEBUG, COMCORE |
| GF.DDSL  | 040276 | CONSTR, CONSTR, HASH, COMMIO, LOCK, ACCNT, SERVICE, ASORT, ATTACH, OPNCLO<br>CREBLK, CREATE, DEBUG          |
| GF.HSHF  | 044336 | HASH                                                                                                        |
| GF.HSHL  | 044736 | HASH                                                                                                        |
| GF.IORF  | 044736 | COMMIO                                                                                                      |
| *GF.IORL | 045336 |                                                                                                             |
| GF.IOTF  | 000076 | USERIO, COMMIO                                                                                              |
| GF.IOTL  | 001076 | USERIO, COMMIO                                                                                              |
| *GF.LEN  | 045336 |                                                                                                             |
| GF.SUSF  | 000000 | HASH, LOCK, ACCNT, CLAIM, ENTRY                                                                             |
| GF.SUSL  | 000076 | HASH, LOCK, ACCNT, CLAIM, ENTRY                                                                             |
| MAINCL   |        |                                                                                                             |
| *L.MNCL  | 000067 |                                                                                                             |
| *M.ABECH | 000020 |                                                                                                             |
| M.ABFIL  | 000056 | ACCNT                                                                                                       |
| M.ACREQ  | 000062 | ACCNT                                                                                                       |
| M.ACRES  | 000061 | ACCNT                                                                                                       |
| *M.ACTCC | 000046 |                                                                                                             |
| M.ADDS   | 000021 | CONSTR, CONSTR, HASH                                                                                        |
| M.ADISK  | 000023 | ALLOC                                                                                                       |
| M.ASUSP  | 000022 | ACCNT, ENTRY                                                                                                |
| M.BFILE  | 000000 | USERIO, COMMIO, ALLOC                                                                                       |
| *M.CLOSE | 000060 |                                                                                                             |
| M.CLTIM  | 000064 | CLAIM                                                                                                       |
| M.DARL   | 000015 | LOCK, ACCNT                                                                                                 |
| M.DDREQ  | 000001 | USERIO, COMMIO                                                                                              |
| *M.DDRSP | 000002 |                                                                                                             |
| M.DDSCT  | 000032 | CONSTR, HASH, OPNCLO, CREATE                                                                                |
| M.DESTL  | 000017 | CREATE                                                                                                      |
| M.DFILT  | 000063 | DEBUG                                                                                                       |
| M.FCLEV  | 000027 | OPNCLO, CREATE                                                                                              |
| M.EDISK  | 000024 | ALLOC, ASORT                                                                                                |
| M.EHRL   | 000014 | LOCK, OPNCLO, CREATE                                                                                        |
| *M.FRWCC | 000043 |                                                                                                             |
| M.GFILE  | 000052 | COMMIO, ALLOC, COMCORE                                                                                      |
| M.HASHL  | 000016 | HASH                                                                                                        |

1076  
3156  
4234

|              |        |                                                     |
|--------------|--------|-----------------------------------------------------|
| M.HELP       | 000060 | ASORT, OPNCLO, CREATE                               |
| M.HFILE      | 000053 | USERIO, COMMIO                                      |
| * M.HLPCC    | 000045 |                                                     |
| M.IOCTR      | 000033 | COMMIO                                              |
| * M.LOCKS    | 000014 |                                                     |
| M.MSTAB      | 000050 | DARSPA                                              |
| * M.RBIFS    | 000003 |                                                     |
| * M.RETRY    | 000057 |                                                     |
| M.SDISK      | 000025 | ALLOC                                               |
| M.SECS       | 000026 | ACCNT                                               |
| M.SLOTS      | 000013 | USERIO, COMMIO                                      |
| M.SWAB       | 000051 | DARSPA, CREATE                                      |
| * M.TBMCC    | 000044 |                                                     |
| * M.TRYCC    | 000047 |                                                     |
| * M.TVRES    | 000066 |                                                     |
| M.TWAIT      | 000034 | COMMIO                                              |
| M.UNAME      | 000030 | ASORT, CREATE                                       |
| * M.USCTR    | 000031 |                                                     |
| M.USRCC      | 000042 | COMCORE                                             |
| M.WBIFS      | 000007 | COMMIO                                              |
| M.10SEC      | 000065 | LOCK                                                |
| * NLOCKS     | 000026 |                                                     |
| ENTRY -----  |        |                                                     |
| * DISKENT    | 001441 | DEBUG, USERA                                        |
| * DISKERR    | 001440 |                                                     |
| * DISKINT    | 001437 |                                                     |
| * ERRALOC    | 002161 | ACCNT, ASORT, ATTACH, OPNCLO, CREBLK, CREATE        |
| * ERRFILE    | 002157 | ACCNT, ASORT, CLAIM, ATTACH, OPNCLO, CREBLK, CREATE |
| * ERRMAP     | 002163 | ATTACH                                              |
| * ERRPARM    | 002155 | ACCNT, ASORT, ATTACH, CREBLK, CREATE                |
| * ERRSUBP    | 002165 | ASORT                                               |
| * FRETURN    | 002202 | ACCNT, ASORT, CLAIM, ATTACH, OPNCLO, CREBLK         |
| * PASSERR    | 002167 | ASORT, ATTACH                                       |
| * RETPAR     | 002216 | ACCNT, ASORT                                        |
| * RETURN     | 002210 | ACCNT, ASORT, CLAIM, ATTACH, OPNCLO, CREATE         |
| * SETESM     | 001515 |                                                     |
| * SETESM1    | 001517 |                                                     |
| CREATE ----- |        |                                                     |
| * CREATE     | 002243 | ENTRY                                               |
| * DESTROY    | 003021 | ENTRY                                               |
| * DSKFIND    | 003171 | OPNCLO                                              |
| CREBLK ----- |        |                                                     |
| * CREBLK     | 003244 | ENTRY                                               |
| * DELBLK     | 003456 | ENTRY                                               |
| OPNCLO ----- |        |                                                     |
| * CLOSE      | 005171 | ENTRY                                               |
| * DETALL     | 005410 | ASORT                                               |
| * ECLOSE     | 005164 | ASORT, ENTRY                                        |
| * EPSEUDO    | 005315 | ENTRY                                               |
| * OPEN       | 004362 | ENTRY                                               |
| * PSEUDO     | 005313 | ENTRY                                               |



|          |        |                                             |
|----------|--------|---------------------------------------------|
| ATTACH   | -----  |                                             |
| +ATCHBLK | 005510 | ENTRY                                       |
| *ATTACH  | 005540 |                                             |
| +CHMAP   | 006173 | ENTRY                                       |
| +DETACH  | 005753 | ASORT, ENTRY                                |
| +MAKEMAP | 006344 | ENTRY                                       |
| +ZEROMAP | 006112 | ENTRY                                       |
| CLAIM    | -----  |                                             |
| +EXCLAIM | 006363 | ENTRY                                       |
| +RELCLAM | 006633 | ENTRY                                       |
| +RELEASE | 006643 | OPNCLO                                      |
| +SHCLAIM | 006406 | ENTRY                                       |
| ASORT    | -----  |                                             |
| +ALLCLO  | 007127 | ENTRY                                       |
| +AUDIT   | 010101 | ENTRY                                       |
| +DESTSUB | 007766 | ENTRY                                       |
| +DSPBLK  | 007107 | ENTRY                                       |
| +DSPEILE | 007054 | ENTRY                                       |
| +DSPFILN | 007101 | ENTRY                                       |
| +FREEZE  | 007167 | ENTRY                                       |
| +MELT    | 007210 | ENTRY                                       |
| +PROBE   | 006766 | ENTRY                                       |
| +RETCLK  | 007045 | ENTRY                                       |
| +SETCLOS | 007146 | ENTRY                                       |
| +SHAZAM  | 007242 | ENTRY                                       |
| SERVICE  | -----  |                                             |
| +CONVERT | 010271 | ASORT, CLAIM, ATTACH, OPNCLO, CREBLK, ENTRY |
| +DECODE  | 010363 | ASORT, ATTACH, CREBLK                       |
| +SETUP   | 010321 | ASORT, ATTACH, CREBLK                       |
| +SIZES   | 010265 | OPNCLO, CREATE                              |
| ALLOC    | -----  |                                             |
| +BUSYDSK | 011130 | ASORT, CREATE                               |
| +FDSKDAT | 010612 | CREBLK                                      |
| *FDSKHDR | 010503 |                                             |
| +FDSKPTR | 010547 | COMMIO, CREBLK                              |
| +FREEDSK | 011127 | COMMIO                                      |
| +GDSKDAT | 010570 | COMMIO, CREBLK                              |
| +GDSKHDR | 010461 | CREATE                                      |
| +GDSKPTR | 010525 | COMMIO, CREBLK                              |
| +GETDSK  | 010635 | COMMIO                                      |
| ACCNT    | -----  |                                             |
| +CLEANUP | 011474 | ENTRY                                       |
| +CLODAR  | 012247 | OPNCLO, CREATE                              |
| *CLODARP | 012250 |                                             |
| +DABSERV | 011537 | ENTRY                                       |
| +DARSERV | 011553 | ENTRY                                       |
| +DECLARE | 011274 | ENTRY                                       |
| +DONE    | 011354 | ENTRY                                       |
| +EOCC    | 011467 | ENTRY                                       |
| +FUND    | 011443 | ENTRY                                       |
| +OPENDAR | 012226 | OPNCLO, CREATE                              |



|           |        |                                                                      |
|-----------|--------|----------------------------------------------------------------------|
| +XSECT    | 011404 | ENTRY                                                                |
| DARSPA    | -----  |                                                                      |
| +DARSPA   | 012331 | ASORT, ATTACH, OPNCLO, CREBLK, CREATE                                |
| LOCK      | -----  |                                                                      |
| +DLOCK    | 012442 | DARSPA, ACCNT                                                        |
| +DUNLOCK  | 012647 | DARSPA, ACCNT                                                        |
| +LOCK     | 012437 | COMMIO, SERVICE, ASORT, CLAIM, ATTACH, OPNCLO, CREBLK, CREATE, DEBUG |
| +NOLOCK   | 012557 | CLAIM                                                                |
| +SUSPLST  | 012746 | OPNCLO                                                               |
| +UNLOCK   | 012643 | COMMIO, SERVICE, ASORT, CLAIM, ATTACH, OPNCLO, CREBLK, CREATE, DEBUG |
| +UNLOCKW  | 012741 | ASORT, ATTACH, OPNCLO, CREBLK                                        |
| COMMIO    | -----  |                                                                      |
| +BLDREQ   | 013702 | USERIO                                                               |
| +DBR      | 013310 | ATTACH                                                               |
| +DBW      | 013423 | ATTACH, OPNCLO                                                       |
| +GETRESP  | 013661 | ATTACH                                                               |
| +KLUDGE   | 013732 | USERIO                                                               |
| +PBR      | 013160 | ASORT, ATTACH, CREBLK                                                |
| +ZAP      | 013054 | ASORT                                                                |
| USERIO    | -----  |                                                                      |
| +HBR      | 013773 | OPNCLO                                                               |
| +LOADBUF  | 014052 | COMMIO, ENTRY                                                        |
| HASH      | -----  |                                                                      |
| +DELHASH  | 014461 | ACCNT, OPNCLO, CREATE                                                |
| +HASH     | 014116 | ACCNT, OPNCLO, CREATE                                                |
| CONSTR    | -----  |                                                                      |
| +CRELFH   | 014710 | OPNCLO, CREATE                                                       |
| +DSPTR    | 014736 | OPNCLO, CREATE                                                       |
| CONSTR1   | -----  |                                                                      |
| +MKPTR    | 015044 | COMMIO, CREBLK, CREATE                                               |
| USERC     | -----  |                                                                      |
| +COMMROL  | 015251 | ENTRY, USERA                                                         |
| +DATMAP   | 015251 | ALLOC                                                                |
| +FLOLEN   | 016745 | USERA                                                                |
| +HOLDBLK  | 015351 | USERIO                                                               |
| +LFT      | 016351 | CONSTR, SERVICE, ASORT, OPNCLO, CREATE, ENTRY                        |
| *+LOCTAB  | 016351 |                                                                      |
| +LOCTABF  | 016351 | USERA                                                                |
| +LOCTABL  | 016745 | USERA                                                                |
| OPERC1    | -----  |                                                                      |
| * AK:CRK  | 000317 |                                                                      |
| * CL:SIZE | 000372 |                                                                      |
| * CPIASKU | 000361 |                                                                      |
| * CP:CHRG | 000363 |                                                                      |
| * CP:DLPF | 000366 |                                                                      |
| * CP:DSPF | 000371 |                                                                      |
| * CP:FIND | 000362 |                                                                      |

|            |        |
|------------|--------|
| * CP:MONY  | 000367 |
| * CP:INPSW | 000364 |
| * CP:INUSR | 000365 |
| * CP:ISONS | 000370 |
| * CP:ISPAC | 000360 |
| * DA:IDSP  | 000330 |
| * DA:INCM  | 000332 |
| * DA:IMVSP | 000327 |
| * DA:ISTAG | 000333 |
| * DF:IASV  | 000225 |
| * DF:IASV  | 000226 |
| * DF:ATCH  | 000210 |
| * DF:AUDT  | 000231 |
| * DF:CAOF  | 000206 |
| * DF:CBLK  | 000176 |
| * DF:CFIL  | 000173 |
| * DF:CFLG  | 000234 |
| * DF:CLKS  | 000221 |
| * DF:CLO   | 000203 |
| * DF:CLOS  | 000204 |
| * DF:CLUP  | 000207 |
| * DF:CMRO  | 000217 |
| * DF:CMRW  | 000220 |
| * DF:DACE  | 000227 |
| * DF:DBLK  | 000177 |
| * DF:DBG   | 000236 |
| * DF:DFIL  | 000175 |
| * DF:DIRT  | 000241 |
| * DF:DONE  | 000235 |
| * DF:DSBN  | 000240 |
| * DF:DSF   | 000246 |
| * DF:DSFN  | 000247 |
| * DF:DSUB  | 000237 |
| * DF:DTCH  | 000211 |
| * DF:ECLF  | 000244 |
| * DF:ECLM  | 000222 |
| * DF:EOCC  | 000242 |
| * DF:EPCL  | 000250 |
| DF:ETNI    | 000172 |
| * DF:FREZ  | 000212 |
| * DF:FUND  | 000243 |
| * DF:LBUF  | 000230 |
| * DF:MBLK  | 000200 |
| * DF:MELT  | 000213 |
| * DF:MMRO  | 000215 |
| * DF:MMRW  | 000216 |
| * DF:OPRO  | 000201 |
| * DF:OPRW  | 000202 |
| * DF:PCFL  | 000174 |
| * DF:PCLS  | 000205 |
| * DF:PROB  | 000232 |
| * DF:READ  | 000170 |
| * DF:RLSE  | 000224 |
| * DF:SCLF  | 000245 |
| * DF:SCLM  | 000223 |
| * DF:SHAZ  | 000233 |

ACCNT, ENTRY

|            |        |                                       |
|------------|--------|---------------------------------------|
| * DF:WRIT  | 000171 |                                       |
| * DF:XOPN  | 000251 |                                       |
| * DF:XSEC  | 000252 |                                       |
| * DF:ZBM   | 000214 |                                       |
| * DN:ICFLG | 000331 |                                       |
| * DN:ICLAD | 000316 |                                       |
| * DN:ICLAW | 000326 |                                       |
| * DN:ICLDN | 000315 |                                       |
| * DN:ICRDN | 000312 |                                       |
| * DN:IDNI  | 000313 |                                       |
| * DN:IDN2  | 000314 |                                       |
| * DR:ADPR  | 000274 |                                       |
| * DR:ASCL  | 000264 |                                       |
| * DR:CHNM  | 000273 |                                       |
| * DR:CLDR  | 000262 |                                       |
| * DR:CLKS  | 000320 |                                       |
| * DR:CRDR  | 000266 |                                       |
| * DR:CRFI  | 000265 |                                       |
| * DR:CSUL  | 000277 |                                       |
| * DR:DABN  | 000305 |                                       |
| * DR:DEBUG | 000260 |                                       |
| * DR:DLPR  | 000275 |                                       |
| * DR:DSPN  | 000300 |                                       |
| * DR:DSTR  | 000323 |                                       |
| * DR:GNOD  | 000302 |                                       |
| * DR:GNOD  | 000301 |                                       |
| * DR:GNOS  | 000303 |                                       |
| * DR:HOLK  | 000267 |                                       |
| * DR:IDPDR | 000261 |                                       |
| * DR:IRMLK | 000272 |                                       |
| * DR:IRMOE | 000271 |                                       |
| * DR:IRNOS | 000304 |                                       |
| * DR:SCDF  | 000321 |                                       |
| * DR:SCDR  | 000322 |                                       |
| * DR:SFLL  | 000270 |                                       |
| * DR:SSUL  | 000276 |                                       |
| * DR:UACC  | 000263 |                                       |
| * EC:ACAP  | 000042 |                                       |
| * EC:ADOP  | 000041 |                                       |
| * EC:ADOR  | 000040 |                                       |
| * EC:BCAP  | 000045 |                                       |
| * EC:BDAT  | 000050 |                                       |
| * EC:CBLK  | 000002 | CREBLK, CREATE                        |
| * EC:CCAP  | 000033 | DEBUG                                 |
| * EC:CCL   | 000023 |                                       |
| * EC:CCLS  | 000012 |                                       |
| * EC:CEVC  | 000014 |                                       |
| * EC:CFIL  | 000000 | CREATE                                |
| * EC:CHUN  | 000117 |                                       |
| * EC:CIIB  | 000106 |                                       |
| * EC:GIN   | 000025 | SERVICE, ASORT, OPNCLO, CREATE, ENTRY |
| * EC:GLCK  | 000054 | ACCNT, ENTRY                          |
| * EC:GLOA  | 000120 |                                       |
| * EC:GMRO  | 000072 |                                       |
| * EC:CMRW  | 000073 | ALLOC                                 |
| * EC:COPR  | 000034 |                                       |

|            |        |                                                                                          |
|------------|--------|------------------------------------------------------------------------------------------|
| EC:ICOUT   | 000026 | ACCNT, OPNCLO, CREATE, ENTRY                                                             |
| * EC:ICPRC | 000051 |                                                                                          |
| * EC:ICRAB | 000107 |                                                                                          |
| * EC:ICSUB | 000055 |                                                                                          |
| * EC:IDAB  | 000110 |                                                                                          |
| EC:IDBLK   | 000003 | COMMIO, OPNCLO, CREBLK                                                                   |
| * EC:IDCL  | 000024 |                                                                                          |
| * EC:IDVC  | 000015 |                                                                                          |
| EC:IDFIL   | 000001 | OPNCLO                                                                                   |
| * EC:IDOPR | 000035 |                                                                                          |
| * EC:IDPRC | 000052 |                                                                                          |
| * EC:IDSAB | 000111 |                                                                                          |
| * EC:IDSAL | 000122 |                                                                                          |
| EC:IDSAM   | 000076 | ASORT, ATTACH                                                                            |
| EC:IDSCP   | 000031 | CONSTR, SERVICE, ASORT, CLAIM, ATTACH, OPNCLO, CREBLK, CREATE, ENTRY, DEBUG              |
| * EC:IDFSM | 000077 |                                                                                          |
| * EC:IDSOB | 000121 |                                                                                          |
| * EC:IDSOP | 000037 |                                                                                          |
| EC:IDSSB   | 000057 | ASORT                                                                                    |
| EC:IDSE    | 000103 | ASORT, ENTRY                                                                             |
| * EC:IDST  | 000102 |                                                                                          |
| EC:IDSUB   | 000056 | ASORT                                                                                    |
| * EC:ESMA  | 000100 |                                                                                          |
| EC:ESML    | 000101 | ENTRY                                                                                    |
| * EC:ECAP  | 000044 |                                                                                          |
| * EC:EDAT  | 000047 |                                                                                          |
| EC:ERET    | 000063 | ENTRY                                                                                    |
| EC:ERON    | 000060 | ASORT                                                                                    |
| EC:GEVF    | 000020 | COMMIO, CLAIM, OPNCLO, CREATE, ENTRY, DEBUG                                              |
| EC:GEVH    | 000017 | CONSTR, CONSTR, HASH, USERIO, COMMIO, LOCK, ACCNT, ALLOC, ASORT, OPNCLO<br>CREATE, ENTRY |
| EC:GRAB    | 000127 | DARSPA                                                                                   |
| * EC:GVMF  | 000022 |                                                                                          |
| EC:GVMH    | 000021 | CLAIM                                                                                    |
| * EC:INCM  | 000116 |                                                                                          |
| * EC:INCR  | 000115 |                                                                                          |
| * EC:INTP  | 000053 |                                                                                          |
| * EC:JUMP  | 000061 |                                                                                          |
| EC:MBLK    | 000004 | COMMIO, CREBLK                                                                           |
| EC:MCAP    | 000027 | ACCNT, OPNCLO, CREBLK, CREATE                                                            |
| * EC:MCCA  | 000032 |                                                                                          |
| * EC:MDAE  | 000071 |                                                                                          |
| EC:MMRO    | 000067 | ATTACH                                                                                   |
| EC:MMRW    | 000070 | USERIO, ATTACH                                                                           |
| * EC:MOPR  | 000036 |                                                                                          |
| * EC:MVCP  | 000113 |                                                                                          |
| * EC:MVMT  | 000114 |                                                                                          |
| * EC:MVSP  | 000112 |                                                                                          |
| * EC:PROB  | 000007 |                                                                                          |
| EC:READ    | 000005 | COMMIO, ALLOC, ENTRY                                                                     |
| * EC:REDO  | 000066 |                                                                                          |
| EC:RERR    | 000065 | COMCORE                                                                                  |
| EC:RPAR    | 000064 | COMCORE                                                                                  |
| * EC:RSHP  | 000010 |                                                                                          |
| EC:RSTR    | 000124 | COMMIO, ENTRY, DEBUG                                                                     |
| EC:RTRN    | 000062 | ENTRY, DEBUG                                                                             |

|           |        |                                                                        |
|-----------|--------|------------------------------------------------------------------------|
| EC:SAVE   | 000123 | COMMIO, ENTRY, DEBUG                                                   |
| * EC:SCLK | 000126 |                                                                        |
| EC:SETP   | 000104 | COMCORE                                                                |
| EC:SEV    | 000016 | CONSTR, CONSTR, HASH, USERIO, COMMIO, LOCK, ACCNT, ALLOC, ASORT, CLAIM |
|           |        | OPNCLO, CREATE, ENTRY, DEBUG                                           |
| * EC:SIIB | 000105 |                                                                        |
| EC:STMP   | 000013 | OPNCLO, CREATE                                                         |
| EC:TBK    | 000011 | COMMIO                                                                 |
| * EC:TIME | 000125 |                                                                        |
| * EC:UCAP | 000043 |                                                                        |
| * EC:UDAT | 000046 |                                                                        |
| EC:WRIT   | 000006 | USERIO, COMMIO, CREBLK, CREATE, DEBUG                                  |
| * EC:ZCAP | 000030 |                                                                        |
| * EC:ZDAE | 000075 |                                                                        |
| EC:ZRM    | 000074 | USERIO, ALLOC, ASORT, ATTACH                                           |
| * LC:ASCI | 000350 |                                                                        |
| * SD:CONV | 000325 |                                                                        |
| * SD:MAKE | 000324 |                                                                        |
| * SN:CRSN | 000306 |                                                                        |
| * SN:DSSN | 000307 |                                                                        |
| * SN:DSN1 | 000310 |                                                                        |
| * SN:DSN2 | 000311 |                                                                        |
| * TE:1HR  | 000165 |                                                                        |
| * TE:1MIN | 000163 |                                                                        |
| * TE:1SEC | 000161 |                                                                        |
| * TE:10MN | 000164 |                                                                        |
| * TE:10SC | 000162 |                                                                        |
| * TE:10TH | 000160 |                                                                        |

14.37.06. 738 LINES PRINTED BY PRINTER DRIVER ON LP 2.

[illegible]