





























```

0843
0844 554 CALL OUTPUT (LUN,DRIVE_DT,V1MASS_DT,11,11,11,'0')
0845
0846 CALL OUTPUT (LUN,DRIVE_DT,V2MASS_DT,13,13,13,'0')
0847 endif
0848
0849 C
0850 C 'LA' REGISTER
0851 C
0852
0853 CALL LINCHK (LUN,1)
0854
0855 WRITE(LUN,560) DRIVE_LA
0856 560 FORMAT(' ',T8,'RPLA',T24,Z8.8)
0857
0858 if (.not. diagnostic_mode) then
0859
0860 call mba_status_register16_31 (lun,drive_dt,drive_la,1)
0861
0862 IF (EMBSB_DV_TYPE .EQ. RP07) THEN
0863
0864 FIELD=LIB$EXTZV(5,7,DRIVE_LA)
0865 ELSE
0866
0867 FIELD=LIB$EXTZV(4,2,DRIVE_LA)
0868
0869 CALL LINCHK (LUN,1)
0870
0871 WRITE(LUN,563) RP0456 LA(FIELD)
0872 563 FORMAT(' ',T40,A<COMPRESSC (RP0456_LA(FIELD))>>)
0873
0874 FIELD=LIB$EXTZV(6,5,DRIVE_LA)
0875 ENDIF
0876
0877 CALL LINCHK (LUN,1)
0878
0879 WRITE(LUN,565) FIELD
0880 565 FORMAT(' ',T40,'SECTOR COUNTER = ',I<COMPRESS4 (FIELD)>,'.')
0881 endif
0882
0883 C
0884 C 'ER2' REGISTER
0885 C
0886
0887 CALL LINCHK (LUN,1)
0888
0889 WRITE(LUN,570) RP_ER2
0890 570 FORMAT(' ',T8,'RPER2',T24,Z8.8)
0891
0892 if (.not. diagnostic_mode) then
0893
0894 call mba_status_register16_31 (lun,drive_la,rp_er2,1)
0895
0896 IF (EMBSB_DV_TYPE .EQ. RP04) THEN
0897
0898 CALL OUTPUT (LUN,RP_ER2,V1RP04_ER2,0,0,13,'0')
0899
    
```

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0900      CALL OUTPUT (LUN,RP_ER2,V2RP04_ER2,15,15,15,'0')
0901
0902      ELSE IF (
0903      1 EMB$B_DV_TYPE .EQ. RP05
0904      1 .OR.
0905      2 EMB$B_DV_TYPE .EQ. RP06
0906      1 ) THEN
0907
0908      CALL OUTPUT (LUN,RP_ER2,V1RP056_ER2,0,0,11,'0')
0909
0910      CALL OUTPUT (LUN,RP_ER2,V2RP056_ER2,13,13,13,'0')
0911
0912      ELSE IF (EMB$B_DV_TYPE .EQ. RP07) THEN
0913
0914      FIELD = LIB$EXTZV(0,8,RP_ER2)
0915
0916      IF (FIELD .NE. 0) THEN
0917
0918      CALL LINCHK (LUN,1)
0919
0920      WRITE(LUN,575) FIELD
0921      575  FORMAT(' ',T40,'ERROR CODE = ',Z2,' (HEX)')
0922      ENDIF
0923
0924      CALL OUTPUT (LUN,RP_ER2,V1RP07_ER2,8,8,13,'0')
0925
0926      CALL OUTPUT (LUN,RP_ER2,V2RP07_ER2,15,15,15,'0')
0927      ENDIF
0928      endif
0929
0930      C
0931      C      'OF' REGISTER
0932      C
0933
0934      CALL LINCHK (LUN,1)
0935
0936      WRITE(LUN,580) DRIVE_OF
0937      580  FORMAT(' ',T8,'RPOF',T24,Z8.8)
0938
0939      if (.not. diagnostic_mode) then
0940
0941      call mba_status_register16_31 (lun,rp_er2,drive_of,1)
0942
0943      IF (EMB$B_DV_TYPE .NE. RP07) THEN
0944
0945      FIELD=LIB$EXTZV(3,3,DRIVE_OF)
0946
0947      IF (FIELD .EQ. 0) THEN
0948
0949      CALL OUTPUT (LUN,DRIVE_OF,V1RP0456_OF,7,7,8,'0')
0950
0951      ELSE IF (
0952      1 ((FIELD .EQ. 2
0953      1 .OR.
0954      2 FIELD .EQ. 4
0955      3 .OR.
0956      4 FIELD .EQ. 6)
    
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0957      5 .AND.
0958      6 EMB$B_DV_TYPE .EQ. RP04)
0959      7 .OR.
0960      8 (FIELD .GE. 1
0961      9 .AND.
0962      1 FIELD .LE. 3
0963      2 .AND.
0964      3 (EMB$B_DV_TYPE .EQ. RP05
0965      4 .OR.
0966      5 EMB$B_DV_TYPE .EQ. RP06))
0967      1 ) THEN
0968
0969      CALL LINCHK (LUN,1)
0970
0971      581  WRITE(LUN,581) RP0456_OF(FIELD)
0972      FORMAT('I',T40,'OFFSET = ',A<COMPRESSC (RP0456_OF(FIELD))>,
0973      1 ' MICRO INCHES')
0974
0975      FIELD=LIB$EXTZV(7,1,DRIVE_OF)
0976
0977      CALL LINCHK (LUN,1)
0978
0979      582  WRITE(LUN,582) OFFSET DIR(FIELD)
0980      FORMAT('I',T40,'OFFSET DIRECTION = ',
0981      1 A<COMPRESSC (OFFSET_DIR(FIELD))>)
0982
0983      CALL OUTPUT (LUN,DRIVE_OF,V1RP0456_OF,7,8,8,'0')
0984      ELSE
0985
0986      CALL OUTPUT (LUN,DRIVE_OF,V1RP0456_OF,7,8,8,'0')
0987      ENDIF
0988      ENDIF
0989
0990      CALL OUTPUT (LUN,DRIVE_OF,MASS_OF,10,10,12,'0')
0991
0992      IF (EMB$B_DV_TYPE .EQ. RP07) THEN
0993
0994      CALL OUTPUT (LUN,DRIVE_OF,RP07_OF,14,14,15,'0')
0995      ELSE
0996
0997      CALL OUTPUT (LUN,DRIVE_OF,V2RP0456_OF,15,15,15,'0')
0998      ENDIF
0999      endif
1000
1001      C
1002      C      'DC' REGISTER
1003      C
1004
1005      CALL LINCHK (LUN,1)
1006
1007      590  WRITE(LUN,590) DRIVE_DC
1008      FORMAT('I',T8,'RPDC',T24,Z8.8)
1009
1010      if (.not. diagnostic_mode) then
1011
1012      call mba_status_register16_31 (lun,drive_of,drive_dc,1)
1013
    
```

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1128
1129     if (.not. diagnostic_mode) then
1130
1131     call mba_status_register16_31 (lun,rp_er3,drive_ec1,1)
1132     endif
1133
1134     C
1135     C     'EC2' REGISTER
1136     C
1137
1138     CALL LINCHK (LUN,1)
1139
1140     650     WRITE(LUN,650) DRIVE_EC2
1141     FORMAT(' ',T8,'RPEC2',T24,Z8.8)
1142
1143     if (.not. diagnostic_mode) then
1144
1145     call mba_status_register16_31 (lun,drive_ec1,drive_ec2,1)
1146     endif
1147
1148     call linchk (lun,1)
1149
1150     655     write(lun,655)
1151     format(' ',:)
1152
1153     if (emb$w_hd_entry .ne. 98) then
1154
1155     call uc$b_ertcnt (lun,emb$b_dv_ertcnt)
1156
1157     call uc$b_ertmax (lun,emb$b_dv_ertmax)
1158     endif
1159
1160     call orb$l_owner (lun,emb$l_dv_ownuic)
1161
1162     call uc$b_l_char (lun,emb$l_dv_char)
1163
1164     call uc$b_w_sts (lun,emb$w_dv_sts)
1165
1166     call uc$b_l_opcnt (lun,emb$l_dv_opcnt)
1167
1168     call uc$b_w_errcnt (lun,emb$w_dv_errcnt)
1169
1170     if (emb$w_hd_entry .ne. 98) then
1171
1172     call uc$b_l_media (lun,emb$l_dv_media)
1173
1174     call linchk (lun,1)
1175
1176     write(lun,655)
1177
1178     call dbdriver_qio (lun,emb$w_dv_func)
1179
1180     call irp$w_bcnc (lun,emb$w_dv_bcnc)
1181
1182     call irp$w_boff (lun,emb$w_dv_boff)
1183
1184     call irp$l_pid (lun,emb$l_dv_rapid)
    
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1185
1186      call frpq_iosb (lun,emb$l_dv_iosb1)
1187      endif
1188
1189      C
1190      C
1191      C
1192      START OF RM03, RM05 AND RM80 DISK DRIVE SUPPORT
1193
1194      ELSE IF (
1195      1 EMBSB_DV_TYPE .EQ. RM03
1196      1 .OR.
1197      2 EMBSB_DV_TYPE .EQ. RM05
1198      3 .OR.
1199      4 EMBSB_DV_TYPE .EQ. RM80
1200      1 ) THEN
1201
1202      if (lib$extzv(0,1,drive_mr1) .eq. 1) diagnostic_mode = .true.
1203
1204      CALL LINCHK (LUN,2)
1205
1206      1005 WRITE(LUN,1005) DRIVE_CS1
1207      FORMAT(/' ',T8,'RMCS',T24,Z8.8)
1208
1209      if (.not. diagnostic_mode) then
1210      call mba_status_register16_31 (lun,drive_cs1,drive_cs1,0)
1211
1212      CALL OUTPUT (LUN,DRIVE_CS1,MASS1_CS1,0,0,0,'0')
1213
1214      FIELD = LIB$EXTZV(1,5,DRIVE_CS1)
1215
1216      DESCR(2) = FUNCN(FIELD)
1217
1218      DESCR(1) = 33
1219
1220      DESCR(1) = LIB$LOCC('* ',DESCR)
1221
1222      CALL OUTPUTD (LUN,DESCR)
1223
1224      CALL OUTPUT (LUN,DRIVE_CS1,MASS2_CS1,11,11,11,'0')
1225      endif
1226
1227      C
1228      C
1229      C
1230
1231      CALL LINCHK (LUN,1)
1232
1233      1030 WRITE(LUN,1030) DRIVE_DS
1234      FORMAT(' ',T8,'RMDS',T24,Z8.8)
1235
1236      if (.not. diagnostic_mode) then
1237
1238      call mba_status_register16_31 (lun,drive_cs1,drive_ds,1)
1239
1240      CALL OUTPUT (LUN,DRIVE_DS,RM03_DS,0,0,0,'0')
1241
    
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1356
1357 FIELD=LIB$EXTZV(0,9,DRIVE_DT)
1358
1359 CALL LINCHK (LUN,1)
1360
1361 IF (FIELD .EQ. DT_RM03) THEN
1362
1363 WRITE(LUN,1067) DRIVE_TYPE
1364 1067 FORMAT(' ',T40,A11,'RM03')
1365
1366 ELSE IF (FIELD .EQ. DT_RM80) THEN
1367
1368 WRITE(LUN,1068) DRIVE_TYPE
1369 1068 FORMAT(' ',T40,A11,'RM80')
1370
1371 ELSE IF (FIELD .EQ. DT_RM05) THEN
1372
1373 WRITE(LUN,1069) DRIVE_TYPE
1374 1069 FORMAT(' ',T40,A11,'RM05')
1375 ENDIF
1376
1377 CALL OUTPUT (LUN,DRIVE_DT,V1MASS_DT,11,11,11,'0')
1378
1379 CALL OUTPUT (LUN,DRIVE_DT,V2MASS_DT,13,13,13,'0')
1380 endif
1381
1382 C
1383 C 'LA' REGISTER
1384 C
1385
1386 CALL LINCHK (LUN,1)
1387
1388 WRITE(LUN,1075) DRIVE_LA
1389 1075 FORMAT(' ',T8,'RMLA',T24,Z8.8)
1390
1391 if (.not. diagnostic_mode) then
1392
1393 call mba_status_register16_31 (lun,drive_dt,drive_la,1)
1394
1395 FIELD=LIB$EXTZV(6,5,DRIVE_LA)
1396
1397 CALL LINCHK (LUN,1)
1398
1399 WRITE(LUN,1080) FIELD
1400 1080 FORMAT(' ',T40,'SECTOR COUNTER = ',I<COMPRESS4 (FIELD)>,'.')
1401 endif
1402
1403 C
1404 C 'SN' REGISTER
1405 C
1406
1407 CALL LINCHK (LUN,1)
1408
1409 WRITE(LUN,1085) DRIVE_SN
1410 1085 FORMAT(' ',T8,'RMSN',T24,Z8.8)
1411
1412 if (.not. diagnostic_mode) then
    
```

```

1413
1414      call mba_status_register16_31 (lun,drive_la,drive_sn,1)
1415      endif
1416
1417      C
1418      C      'OF' REGISTER
1419      C
1420
1421      CALL LINCHK (LUN,1)
1422
1423      1090      WRITE(LUN,1090) DRIVE_OF
1424      FORMAT(' ',T8,'RMOF',T24,Z8.8)
1425
1426      if (.not. diagnostic_mode) then
1427
1428      call mba_status_register16_31 (lun,drive_sn,drive_of,1)
1429
1430      IF (JIAND(DRIVE_DS,1) .EQ. 1) THEN
1431
1432      FIELD=LIB$EXTZV(1,1,DRIVE_OF)
1433
1434      CALL LINCHK (LUN,1)
1435
1436      1095      WRITE(LUN,1095) OFFSET_DIR(FIELD)
1437      FORMAT(' ',T40,'OFFSET DIRECTION = ',
1438      1 A<COMPRESSC (OFFSET_DIR(FIELD))>')
1439      ELSE
1440
1441      CALL OUTPUT (LUN,DRIVE_OF,V1RM03_OFF,7,7,7,'0')
1442      ENDIF
1443
1444      IF (EMBSB_DV_TYPE .EQ. RM80) THEN
1445
1446      CALL OUTPUT (LUN,DRIVE_OF,V1RM80_OFF,9,9,9,'0')
1447      ENDIF
1448
1449      CALL OUTPUT (LUN,DRIVE_OF,MASS_OF,10,10,12,'0')
1450      endif
1451
1452      C
1453      C      'DC' REGISTER
1454      C
1455
1456      CALL LINCHK (LUN,1)
1457
1458      1100      WRITE(LUN,1100) DRIVE_DC
1459      FORMAT(' ',T8,'RMDC',T24,Z8.8)
1460
1461      if (.not. diagnostic_mode) then
1462
1463      call mba_status_register16_31 (lun,drive_of,drive_dc,1)
1464
1465      FIELD=LIB$EXTZV(0,10,DRIVE_DC)
1466
1467      CALL LINCHK (LUN,1)
1468
1469      WRITE(LUN,1105) FIELD
    
```

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1470 1105 FORMAT(' ',T40,'DESIRED CYLINDER = ',I<COMPRESS4 (FIELD)>,'.')
1471      endif
1472
1473      C
1474      C      'HR' REGISTER
1475      C
1476
1477      CALL LINCHK (LUN,1)
1478
1479      WRITE(LUN,1110) RM HR
1480 1110  FORMAT(' ',T8,'RMHR',T24,Z8.8)
1481
1482      if (.not. diagnostic_mode) then
1483
1484      call mba_status_register16_31 (lun,drive_dc,rm_hr,1)
1485      endif
1486
1487      C
1488      C      'MR2' REGISTER
1489      C
1490
1491      CALL LINCHK (LUN,1)
1492
1493      WRITE(LUN,1115) RM MR2
1494 1115  FORMAT(' ',T8,'RMMR2',T24,Z8.8)
1495
1496      if (.not. diagnostic_mode) then
1497
1498      call mba_status_register16_31 (lun,rm_hr,rm_mr2,1)
1499      endif
1500
1501      C
1502      C      'ER2' REGISTER
1503      C
1504
1505      CALL LINCHK (LUN,1)
1506
1507      WRITE(LUN,1120) RM ER2
1508 1120  FORMAT(' ',T8,'RMER2',T24,Z8.8)
1509
1510      if (.not. diagnostic_mode) then
1511
1512      call mba_status_register16_31 (lun,rm_mr2,rm_er2,1)
1513
1514      CALL OUTPUT (LUN,RM_ER2,V1RM03_ER2,3,3,3,'0')
1515
1516      IF (EMBSB_DV_TYPE .EQ. RM80) THEN
1517
1518      CALL OUTPUT (LUN,RM_ER2,V1RM80_ER2,5,5,5,'0')
1519      ENDIF
1520
1521      CALL OUTPUT (LUN,RM_ER2,V2RM03_ER2,7,7,7,'0')
1522
1523      CALL OUTPUT (LUN,RM_ER2,V3RM03_ER2,10,10,15,'0')
1524      endif
1525
1526      C
    
```



```

1584 call drdriver_qio (lun,emb$w_dv_func)
1585
1586 call irp$w_bcnc (lun,emb$w_dv_bcnc)
1587
1588 call irp$w_boff (lun,emb$w_dv_boff)
1589
1590 call irp$l_pid (lun,emb$l_dv_rapid)
1591
1592 call irp$q_iosb (lun emb$l_dv_iosb1)
1593 endif
1594 ENDIF
1595
1596 RETURN
1597 END
    
```

PROGRAM SECTIONS

Name	Bytes	Attributes
0 \$CODE	6065	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 \$PDATA	1270	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 \$LOCAL	6896	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
3 EMB	512	PIC OVR REL GBL SHR NOEXE RD WRT LONG
Total Space Allocated		14743

ENTRY POINTS

Address	Type	Name
0-00000000		MASSDISK

VARIABLES

Address	Type	Name	Address	Type	Name
2-00000CA7	CHAR	DIAGNOSTIC	2-00000BA7	L*1	DIAGNOSTIC MODE
3-0000007E	I*4	DRIVE_AS	2-00000BCD	CHAR	DRIVE_CLEAR
3-0000006E	I*4	DRIVE_CS1	3-00000082	I*4	DRIVE_DA
3-00000096	I*4	DRIVE_DC	3-00000072	I*4	DRIVE_DS
3-00000086	I*4	DRIVE_DT	3-000000A6	I*4	DRIVE_EC1
3-000000AA	I*4	DRIVE_EC2	3-00000076	I*4	DRIVE_ER1
2-00000CF8	I*4	DRIVE_FUNC	3-0000008A	I*4	DRIVE_LA
3-0000007A	I*4	DRIVE_MR1	3-00000092	I*4	DRIVE_OF
3-0000008E	I*4	DRIVE_SN	2-00000CEC	CHAR	DRIVE_TYPE
3-0000001C	L*1	EMB\$B_DV_CLASS	3-00000010	L*1	EMB\$B_DV_ERTCNT
3-00000011	L*1	EMB\$B_DV_ERTMAX	3-0000003E	L*1	EMB\$B_DV_NAMLANG
3-0000003A	L*1	EMB\$B_DV_SLAVE	3-0000001D	L*1	EMB\$B_DV_TYPE
3-00000036	I*4	EMB\$l_DV_CHAR	3-00000012	I*4	EMB\$l_DV_IOSB1
3-00000016	I*4	EMB\$l_DV_IOSB2	3-00000026	I*4	EMB\$l_DV_MEDIA
3-0000004E	I*4	EMB\$l_DV_NUMREG	3-0000002E	I*4	EMB\$l_DV_OPCNT
3-00000032	I*4	EMB\$l_DV_OWNUIC	3-0000001E	I*4	EMB\$l_DV_RQPID





```
0001
0002
0003
0004 Subroutine DBDRIVER_QIO (lun,emb$w_dv_func)
0005
0006
0007 include 'src$:qiocommon.for /nolist'
0271
0272
0273 byte lun
0274
0275 integer*2 emb$w_dv_func
0276
0277 integer*4 qiocode(0:1,0:63)
0278
0279 if (qiocode(0,0) .eq. 0) then
0280
0281 qiocode(1,00) = %loc(io$_nop)
0282
0283 qiocode(1,01) = %loc(io$_unload)
0284
0285 qiocode(1,02) = %loc(io$_seek)
0286
0287 qiocode(1,03) = %loc(io$_recal)
0288
0289 qiocode(1,04) = %loc(io$_drvclr)
0290
0291 qiocode(1,05) = %loc(io$_release)
0292
0293 qiocode(1,06) = %loc(io$_offset)
0294
0295 qiocode(1,07) = %loc(io$_retcenter)
0296
0297 qiocode(1,08) = %loc(io$_packack)
0298
0299 qiocode(1,09) = %loc(io$_search)
0300
0301 qiocode(1,10) = %loc(io$_writecheck)
0302
0303 qiocode(1,11) = %loc(io$_writepblk)
0304
0305 qiocode(1,12) = %loc(io$_readpblk)
0306
0307 qiocode(1,13) = %loc(io$_writehead)
0308
0309 qiocode(1,14) = %loc(io$_readhead)
0310
0311 qiocode(1,24) = %loc(io$_writecheckh)
0312
0313 qiocode(1,25) = %loc(io$_readpreset)
0314
0315 qiocode(1,26) = %loc(io$_setchar)
0316
0317 qiocode(1,27) = %loc(io$_sensechar)
0318
0319 qiocode(1,32) = %loc(io$_writelblk)
0320
```

```
0321      qiocode(1,33) = %loc(io$_readblk)
0322
0323      qiocode(1,35) = %loc(io$_setmode)
0324
0325      qiocode(1,39) = %loc(io$_sensemode)
0326
0327      qiocode(1,48) = %loc(io$_writevblk)
0328
0329      qiocode(1,49) = %loc(io$_readvblk)
0330
0331      qiocode(1,50) = %loc(io$_access)
0332
0333      qiocode(1,51) = %loc(io$_create)
0334
0335      qiocode(1,52) = %loc(io$_deaccess)
0336
0337      qiocode(1,53) = %loc(io$_delete)
0338
0339      qiocode(1,54) = %loc(io$_modify)
0340
0341      qiocode(1,56) = %loc(io$_acpcontrol)
0342
0343      qiocode(1,57) = %loc(io$_mount)
0344
0345      do 10,i = 0,63
0346
0347      qiocode(0,i) = 33
0348
0349      if (qiocode(1,i) .eq. 0) then
0350
0351      qiocode(1,i) = %loc(qio_string)
0352      endif
0353
0354      10 continue
0355      endif
0356
0357      call irp$w_func (lun,emb$w_dv_func,
0358      1 qiocode(0,lib$extzv(0,6,emb$w_dv_func)))
0359
0360      return
0361
0362      end
0363
```

## PROGRAM SECTIONS

Name	Bytes	Attributes
0 \$CODE	309	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 \$PDATA	8	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 \$LOCAL	548	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
3 \$IOCOMMON	1247	PIC OVR REL GBL SHR NOEXE RD WRT LONG
Total Space Allocated	2112	

## ENTRY POINTS

Address	Type	Name
0-00000000		DBDRIVER_Q10

## VARIABLES

Address	Type	Name	Address	Type	Name
AP-00000008a	1*2	EMBSW DV FUNC	2-00000200	1*4	I
3-00000442	CHAR	IOS_ABORT	3-00000340	CHAR	IOS_ACCESS
3-000003C2	CHAR	IOS_ACPCONTROL	3-000004B3	CHAR	IOS_AVAILABLE
3-00000297	CHAR	IOS_CLEAN	3-00000369	CHAR	IOS_CREATE
3-00000385	CHAR	IOS_DEACCESS	3-00000393	CHAR	IOS_DELETE
3-0000026D	CHAR	IOS_DIAGNOSE	3-00000065	CHAR	IOS_DRVCLR
3-000004CB	CHAR	IOS_DSE	3-000000A9	CHAR	IOS_ERASETAPE
3-00000276	CHAR	IOS_FORMAT	3-00000071	CHAR	IOS_INITIALIZE
3-00000014	CHAR	IOS_LOADMCODE	3-000003A1	CHAR	IOS_MODIFY
3-000003E2	CHAR	IOS_MOUNT	3-00000000	CHAR	IOS_NOP
3-0000009D	CHAR	IOS_OFFSET	3-000000EB	CHAR	IOS_PACKACK
3-000000E0	CHAR	IOS_QSTOP	3-000003EF	CHAR	IOS_RDSTATS
3-00000421	CHAR	IOS_READCSR	3-00000169	CHAR	IOS_READHEAD
3-000002B6	CHAR	IOS_READLBLK	3-0000013F	CHAR	IOS_READPBLK
3-00000200	CHAR	IOS_READPRESET	3-00000195	CHAR	IOS_READTRACKD
3-0000033A	CHAR	IOS_READVBLK	3-0000045A	CHAR	IOS_READWTHBUF
3-00000484	CHAR	IOS_READWTHXBUF	3-0000004D	CHAR	IOS_RECAL
3-0000007C	CHAR	IOS_RELEASE	3-000001AB	CHAR	IOS_REREADN
3-000001B8	CHAR	IOS_REREADP	3-000000CA	CHAR	IOS_RETCENTER
3-000002E6	CHAR	IOS_REWIND	3-000002C9	CHAR	IOS_REWINDOFF
3-000000FC	CHAR	IOS_SEARCH	3-00000024	CHAR	IOS_SEEK
3-00000231	CHAR	IOS_SENSECHAR	3-00000309	CHAR	IOS_SENSEMODE
3-0000021D	CHAR	IOS_SETCHAR	3-000003B8	CHAR	IOS_SETCLOCK
3-00000088	CHAR	IOS_SETCLOCKP	3-000002DD	CHAR	IOS_SETMODE
3-000002ED	CHAR	IOS_SKIPFILE	3-000002FA	CHAR	IOS_SKIPRECORD
3-00000029	CHAR	IOS_SPACEFILE	3-0000010E	CHAR	IOS_SPACERECORD
3-000003D7	CHAR	IOS_STARTDATA	3-000000B4	CHAR	IOS_STARTDATAP
3-00000037	CHAR	IOS_STARTMPROC	3-0000020F	CHAR	IOS_STARTSPNDL
3-00000059	CHAR	IOS_STOP	3-0000000D	CHAR	IOS_UNLOAD
3-00000468	CHAR	IOS_WRITEBUFNCRC	3-0000011E	CHAR	IOS_WRITECHECK
3-000001E4	CHAR	IOS_WRITECHECKH	3-000003FF	CHAR	IOS_WRITECSR
3-00000153	CHAR	IOS_WRITEHEAD	3-000002A2	CHAR	IOS_WritelBLK
3-00000247	CHAR	IOS_WRITEMARK	3-00000314	CHAR	IOS_WRITEOF
3-0000012A	CHAR	IOS_WRITEPBLK	3-000001C9	CHAR	IOS_WRITERET



```
0001
0002
0003
0004      subroutine drdriver_qio (lun,emb$w_dv_func)
0005
0006
0007
0008      include 'src$:qiocommon.for /nolist'
0272
0273
0274
0275      byte          lun
0276
0277      integer*2     emb$w_dv_func
0278
0279      integer*4     qiocode(0:1,0:63)
0280
0281
0282
0283
0284      if (qiocode(0,0) .eq. 0) then
0285
0286      qiocode(1,00) = %loc(io$_nop)
0287
0288      qiocode(1,02) = %loc(io$_seek)
0289
0290      qiocode(1,03) = %loc(io$_recal)
0291
0292      qiocode(1,04) = %loc(io$_drvclr)
0293
0294      qiocode(1,05) = %loc(io$_release)
0295
0296      qiocode(1,06) = %loc(io$_offset)
0297
0298      qiocode(1,07) = %loc(io$_retcenter)
0299
0300      qiocode(1,08) = %loc(io$_packack)
0301
0302      qiocode(1,09) = %loc(io$_search)
0303
0304      qiocode(1,10) = %loc(io$_writecheck)
0305
0306      qiocode(1,11) = %loc(io$_writepblk)
0307
0308      qiocode(1,12) = %loc(io$_readpblk)
0309
0310      qiocode(1,13) = %loc(io$_writehead)
0311
0312      qiocode(1,14) = %loc(io$_readhead)
0313
0314      qiocode(1,15) = %loc(io$_writetrackd)
0315
0316      qiocode(1,16) = %loc(io$_readtrackd)
0317
0318      qiocode(1,24) = %loc(io$_writecheckh)
0319
0320      qiocode(1,25) = %loc(io$_readpreset)
```

```
0321      qiocode(1,26) = %loc(io$_setchar)
0322
0323      qiocode(1,27) = %loc(io$_sensechar)
0324
0325      qiocode(1,29) = %loc(io$_diagnose)
0326
0327      qiocode(1,32) = %loc(io$_writeblk)
0328
0329      qiocode(1,33) = %loc(io$_readblk)
0330
0331      qiocode(1,48) = %loc(io$_writevblk)
0332
0333      qiocode(1,49) = %loc(io$_readvblk)
0334
0335      qiocode(1,50) = %loc(io$_access)
0336
0337      qiocode(1,51) = %loc(io$_create)
0338
0339      qiocode(1,52) = %loc(io$_deaccess)
0340
0341      qiocode(1,53) = %loc(io$_delete)
0342
0343      qiocode(1,54) = %loc(io$_modify)
0344
0345      qiocode(1,56) = %loc(io$_acpcontrol)
0346
0347      qiocode(1,57) = %loc(io$_mount)
0348
0349      do 10,i = 0,63
0350
0351      qiocode(0,i) = 33
0352
0353      if (qiocode(1,i) .eq. 0) then
0354
0355      qiocode(1,i) = %loc(qio_string)
0356      endif
0357
0358      10 continue
0359      endif
0360
0361      call irp$w_func (lun,emb$w_dv_func,
0362      1 qiocode(0,lib$extzv(0,6,emb$w_dv_func)))
0363
0364      return
0365
0366      end
0367
```

PROGRAM SECTIONS

Name	Bytes	Attributes
0 \$CODE	310	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 \$PDATA	8	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 \$LOCAL	548	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
3 \$IOCOMMON	1247	PIC OVR REL GBL SHR NOEXE RD WRT LONG
Total Space Allocated		2113

ENTRY POINTS

Address	Type	Name
0-00000000		DRDRIVER_QIO

VARIABLES

Address	Type	Name	Address	Type	Name
AP-00000008	1*2	EMBSW DV FUNC	2-00000200	1*4	I
3-00000442	CHAR	IOS_ABORT	3-0000034D	CHAR	IOS_ACCESS
3-000003C2	CHAR	IOS_ACPCONTROL	3-000004B3	CHAR	IOS_AVAILABLE
3-00000297	CHAR	IOS_CLEAN	3-00000369	CHAR	IOS_CREATE
3-00000385	CHAR	IOS_DEACCESS	3-00000393	CHAR	IOS_DELETE
3-0000026D	CHAR	IOS_DIAGNOSE	3-00000065	CHAR	IOS_DRVCLR
3-000004CB	CHAR	IOS_DSE	3-000000A9	CHAR	IOS_ERASETAPE
3-00000276	CHAR	IOS_FORMAT	3-00000071	CHAR	IOS_INITIALIZE
3-00000014	CHAR	IOS_LOADMCODE	3-000003A1	CHAR	IOS_MODIFY
3-000003E2	CHAR	IOS_MOUNT	3-00000000	CHAR	IOS_NOP
3-0000009D	CHAR	IOS_OFFSET	3-000000EB	CHAR	IOS_PACKACK
3-000000E0	CHAR	IOS_QSTOP	3-000003EF	CHAR	IOS_RDSTATS
3-00000421	CHAR	IOS_READCSR	3-00000169	CHAR	IOS_READHEAD
3-000002B6	CHAR	IOS_READLBLK	3-0000013F	CHAR	IOS_READPBLK
3-00000200	CHAR	IOS_READPRESET	3-00000195	CHAR	IOS_READTRACKD
3-0000033A	CHAR	IOS_READVBLK	3-0000045A	CHAR	IOS_READWTHBUF
3-00000484	CHAR	IOS_READWTHXBUF	3-0000004D	CHAR	IOS_RECAL
3-0000007C	CHAR	IOS_RELEASE	3-000001AB	CHAR	IOS_REREADN
3-000001B8	CHAR	IOS_REREADP	3-000000CA	CHAR	IOS_RETCENTER
3-000002E6	CHAR	IOS_REWIND	3-000002C9	CHAR	IOS_REWINDOFF
3-000000FC	CHAR	IOS_SEARCH	3-00000024	CHAR	IOS_SEEK
3-00000231	CHAR	IOS_SENSECHAR	3-00000309	CHAR	IOS_SENSEMODE
3-0000021D	CHAR	IOS_SETCHAR	3-00000388	CHAR	IOS_SETCLOCK
3-00000088	CHAR	IOS_SETCLOCKP	3-000002DD	CHAR	IOS_SETMODE
3-000002ED	CHAR	IOS_SKIPFILE	3-000002FA	CHAR	IOS_SKIPRECORD
3-00000029	CHAR	IOS_SPACEFILE	3-0000010E	CHAR	IOS_SPACERECORD
3-000003D7	CHAR	IOS_STARTDATA	3-00000084	CHAR	IOS_STARTDATAP
3-00000037	CHAR	IOS_STARTMPROC	3-0000020F	CHAR	IOS_STARTSPNDL
3-00000059	CHAR	IOS_STOP	3-0000000D	CHAR	IOS_UNLOAD
3-0000046B	CHAR	IOS_WRITEBUFNCRC	3-0000011E	CHAR	IOS_WRITECHECK
3-000001E4	CHAR	IOS_WRITECHECKH	3-000003FF	CHAR	IOS_WRITECSR
3-00000153	CHAR	IOS_WRITEHEAD	3-000002A2	CHAR	IOS_WRITELBLK
3-00000247	CHAR	IOS_WRITEMARK	3-00000314	CHAR	IOS_WRITEOF
3-0000012A	CHAR	IOS_WRITEPBLK	3-000001C9	CHAR	IOS_WRITERET

DRDRIVER\_QIO

K 10  
16-Sep-1984 00:06:01  
5-Sep-1984 14:00:29

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DISK\$VMSMASTER:[ERF.SRC]MASSDISK.FOR;1

3-0000017E CHAR IOS\_WRITETRACKD  
3-00000448 CHAR IOS\_WRITEWITHBUF  
AP-00000004a L\*1 LUN

3-00000326 CHAR IOS\_WRITEVBLK  
3-00000257 CHAR IOS\_WRTMKR  
3-000004A1 CHAR QIO\_STRING

ARRAYS

Address	Type	Name	Bytes	Dimensions
2-00000000	1*4	QIOCODE	512	(0:1, 0:63)

LABELS

Address	Label
**	10

FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name
	IRPSW_FUNC	1*4	LIB\$EXTZV

COMMAND QUALIFIERS

FORTRAN /LIS=LIS\$:MASSDISK/ JBJ=OBJ\$:MASSDISK MSRC\$:MASSDISK  
 /CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)  
 /DEBUG=(NOSYMBOLS,TRACEBACK)  
 /STANDARD=(NOSYNTAX,NOSOURCE FORM)  
 /SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)  
 /F77 /NOG\_FLOATING /I4 /OPTIMIZE /WARNINGS /NOD\_LINES /NOCROSS\_REFERENCE /NOMACHINE\_CODE /CONTINUATIONS=19

COMPILATION STATISTICS

Run Time: 22.69 seconds  
 Elapsed Time: 49.69 seconds  
 Page Faults: 366  
 Dynamic Memory: 361 pages

