LIBRTL

FILEID**RTLODBG

```
RRRRRRRR     TTTTTTTTTT  LL              000000    DDDDDDD    BBBBBBBB      GGGGGGGG
RRRRRRRR     TTTTTTTTTT  LL              000000    DDDDDDD    BBBBBBBB      GGGGGGGG
RR      RR       TT      LL            00      00  DD     DD  BB      BB    GG
RR      RR       TT      LL            00      00  DD     DD  BB      BB    GG
RR      RR       TT      LL            00      00  DD     DD  BB      BB    GG
RRRRRRRR         TT      LL            00      00  DD     DD  BBBBBBBB      GG
RRRRRRRR         TT      LL            00      00  DD     DD  BBBBBBBB      GG
RR   RR          TT      LL            00      00  DD     DD  BB      BB    GG  GGGGGG
RR    RR         TT      LL            00      00  DD     DD  BB      BB    GG  GGGGGG
RR     RR        TT      LL            00      00  DD     DD  BB      BB    GG      GG
RR     RR        TT      LL            00      00  DD     DD  BB      BB    GG      GG     ....
RR      RR       TT      LLLLLLLLL       000000    DDDDDDD    BBBBBBBB        GGGGGG       ....
RR      RR       TT      LLLLLLLLL       000000    DDDDDDD    BBBBBBBB        GGGGGG       ....


RRRRRRRR     EEEEEEEEEE    QQQQQQ
RRRRRRRR     EEEEEEEEEE    QQQQQQ
RR      RR   EE          QQ      QQ
RR      RR   EE          QQ      QQ
RR      RR   EE          QQ      QQ
RRRRRRRR     EEEEEEEE    QQ        QQ
RRRRRRRR     EEEEEEEE    QQ        QQ
RR   RR      EE          QQ   QQ   QQ
RR    RR     EE          QQ   QQ   QQ
RR     RR    EE          QQ     QQ
RR     RR    EE          QQ     QQ
RR      RR   EEEEEEEEEE     QQQQ  QQ
RR      RR   EEEEEEEEEE     QQQQ  QQ
```

F 1

```
!+
! This file, RTLODBG.REQ, defines macros that were used to
! debug the RTL before the DEBUG program was available.
!-
!
!**********************************************************************
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!
!
! Author: T. Hastings
! O-19  - made RMS_ERR_STATUS a null macro TNH 24-SEP-77
! O-21  - Change name to RTLODBG.REQ.   JBS 14-NOV-78
! 1-001 - Change version number and add copyright notice.   JBS 16-NOV-78
! 1-002 - Remove the PRINT statement, for the new BLISS compiler.
!         JBS 02-OCT-1979
!--
!
!+
! Declare EXTERNALs used
!-

!%IF NOT %DECLARED(TST$$PRINT_PAR)
!%THEN
!EXTERNAL ROUTINE
!    TST$$PRINT_PAR;     ! routine to print pairs of args
!%FI

!%IF NOT %DECLARED(TST$$PRINT_DEC)
!%THEN
!EXTERNAL ROUTINE
!    TST$$PRINT_DEC;     ! routine to print pairs of args in decimal
!%FI

!+
! Macro to define string descriptor
```

```
!-

!MACRO   DESCRIPTOR(STRING)
!        = UPLIT(%CHARCOUNT(STRING), UPLIT(STRING))%;

!MACRO
!        PAIR [V1, V2]
!        = DESCRIPTOR(%STRING(V1)), V2%;


MACRO    INPUT_FORMALS [] = %,
         IMPLICIT_INPUTS [] = %,
         FUNCTION_VALUE [] = %,
         OUTPUT_FORMALS [] = %,
         IMPLICIT_OUTPUT [] = %,
         PRINT_STRING [] = %,
         RMS_ERR_STATUS [] = %,
         DESCRIPTOR [] = %,
         PAIR [] =%,
         PRINT_HEX [] = %,
         PRINT_DEC [] = %;

!+
! Macro to print RMS error status
!-

!MACRO   RMS_ERR_STATUS (RMS_CALL) [ ]
!        = TST$$PRINT_PAR ( DESCRIPTOR(%STRING('RMS error status from ', RMS_CALL))
!          %IF NOT %NULL(%REMAINING) %THEN , PAIR (%REMAINING) %FI
!          )%;

!+
! Iterative macro to set up call to TST$$PRINT_DEC for
! printing decimal numbers after text in pairs.
!-

!MACRO   PRINT_DEC (ROUTINE_NAME) []
!        = TST$$PRINT_DEC ( DESCRIPTOR(%STRING('? FORTRAN ERROR - ', ROUTINE_NAME, ' called '))
!          %IF NOT %NULL(%REMAINING) %THEN , PAIR (%REMAINING) %FI
!          )%;

!+
! Iterative macro to set up call to TST$$PRINT_DEC for
! printing hex numbers after text in pairs.
!-

!MACRO   PRINT_HEX (ROUTINE_NAME) []
!        = TST$$PRINT_PAR ( DESCRIPTOR(%STRING('? FORTRAN ERROR - ', ROUTINE_NAME, ' called '))
!          %IF NOT %NULL(%REMAINING) %THEN , PAIR (%REMAINING) %FI
!          )%;

!        End of file RTLODBG.REQ
```

RTLMACMAR
MAR

LIBASCEBC
LIS

LIBASTINP
LIS

RTLMACB32
REQ

STRMACROS
REQ

LIBBINTRE
LIS

RTLODBG
REQ

LIBDEF
FOR

LIBANASTR
LIS

LIBASNMBX
LIS

LIBBBCCI
LIS

LIBCHAR
LIS

LIBABUPCA
LIS

LIBADDX
LIS

RTLPSECT
REQ

SIGDEF
FOR

LIBASCTIM
LIS

LIBTABMAC
MAR

LIBATTACH
LIS

STRLNK
REQ

LIBA2EREV
LIS

LIBBBSSI
LIS

LIBCALLG
LIS

LIBCLICAL
LIS

LIBADDP
LIS