

CO
1-

.....

[illegible]


```
1 0001 0 MODULE COMSCLOSE (%TITLE'FORTRAN compatibility CALL CLOSE'  
2 0002 0 IDENT = '1-006', ! File: COMCLOSE.B32 Edit: SBL1006  
3 0003 0 LINKAGE (FORTRAN) ! Specify call by-reference  
4 0004 0 ) =  
5 0005 1 BEGIN  
6 0006 1  
7 0007 1 *****  
8 0008 1 *  
9 0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *  
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26 0026 1 *  
27 0027 1 *  
28 0028 1 *****  
29 0029 1  
30 0030 1  
31 0031 1 ++  
32 0032 1 FACILITY: FORTRAN Compatibility Library  
33 0033 1  
34 0034 1 ABSTRACT:  
35 0035 1  
36 0036 1 CALL CLOSE Procedure - Close specified locical unit.  
37 0037 1  
38 0038 1 ENVIRONMENT: User Mode - AST re-entrant - not part of shared section  
39 0039 1  
40 0040 1 AUTHOR: Thomas N. Hastings, CREATION DATE: 4-Dec-1977  
41 0041 1  
42 0042 1 MODIFIED BY:  
43 0043 1  
44 0044 1 Thomas N. Hastings, 4-Dec-1977: VERSION 0  
45 0045 1 0-1 - original  
46 0046 1 0-2 - Use PSECT COM$. TNH 8-Dec-77  
47 0047 1 0-3 - Fix dot problem. TNH 9-Dec-77  
48 0048 1 0-4 - PSECT F4PCOMPAT$CODE. TNH 9-Jan-78  
49 0049 1 0-05 - Change REQUIRE files for VAX system build. DGP 28-Apr-78  
50 0050 1 0-6 - Change file name to COMCLOSE.B32, and change REQUIRE  
51 0051 1 file names similarly. JBS 14-NOV-78  
52 0052 1 1-001 - Update version number and copyright notice. JBS 16-NOV-78  
53 0053 1 1-002 - Declare NULLPARAMETER for new BLISS compiler. JBS 22-NOV-78  
54 0054 1 1-003 - Change names of REQUIRE files from FOR... to OTS... JBS 06-DEC-78  
55 0055 1 1-004 - Change OTSOPN back to FOROPN. JBS 13-DEC-78  
56 0056 1 1-005 - Add LIBRARY RTLSTARLE so FOROPN can use its symbols.  
57 0057 1 JBS 10-APR-1979
```


COM\$CLOSE
1-006

FORTTRAN compatibility CALL CLOSE

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16-Sep-1984 00:08:52
14-Sep-1984 12:31:28

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: 58
: 59
: 60
: 61
0058 1 ! 1-006 - Use prologue file. SBL 28-Jul-1983
0059 1 !--
0060 1
0061 1 !<BLF/PAGE>

```

: 63      0062 1 |
: 64      0063 1 | PROLOGUE FILE:
: 65      0064 1 |
: 66      0065 1 |
: 67      0066 1 REQUIRE 'RTLIN:FORPROLOG';          ! FOR$ definitions
: 68      0132 1 |
: 69      0133 1 |
: 70      0134 1 | TABLE OF CONTENTS:
: 71      0135 1 |
: 72      0136 1 |
: 73      0137 1 FORWARD ROUTINE
: 74      0138 1     CLOSE : NOVALUE;                ! CALL CLOSE _ no prefix since not mapped by compiler.
: 75      0139 1 |
: 76      0140 1 |
: 77      0141 1 | MACROS:
: 78      0142 1 |
: 79      0143 1 |
: 80      0144 1 | EQUATED SYMBOLS:
: 81      0145 1 |
: 82      0146 1 |
: 83      0147 1 | OWN STORAGE:
: 84      0148 1 |
: 85      0149 1 |
: 86      0150 1 | EXTERNAL REFERENCES:
: 87      0151 1 |
: 88      0152 1 |
: 89      0153 1 EXTERNAL ROUTINE
: 90      0154 1     FOR$CLOSE : NOVALUE ADDRESSING_MODE (GENERAL),      ! Returns success or failure
: 91      0155 1     FOR$$ERR_OPECLO : NOVALUE ADDRESSING_MODE (GENERAL),
: 92      0156 1     ! Error handler to set user PC in signal arg list
: 93      0157 1     FOR$$SIG_NO_LUB : NOVALUE ADDRESSING_MODE (GENERAL); ! Signal_stop when no LUB allocated
: 94      0158 1 |
```



```

: 96 0159 1 %SBTTL 'CLOSE'
: 97 0160 1 GLOBAL ROUTINE CLOSE (
: 98 0161 1 LOGICAL_UNIT_NO)
: 99 0162 1 : NOVALUE = ! Adr. of logical unit nubmer
100 0163 1 ! no value
101 0164 1
102 0165 1 !++
103 0166 1 FUNCTIONAL DESCRIPTION:
104 0167 1 Close file on specified logical unit.
105 0168 1 Perform any disposition specified in OPEN.
106 0169 1 This is done by performing a FORTRAN CLOSE (UNIT = LOGICAL_UNIT_NO)
107 0170 1
108 0171 1 FORMAL PARAMETERS:
109 0172 1
110 0173 1 LOGICAL_UNIT_NO.rw.r ! Adr. of word (SIC) containing logical unit number
111 0174 1
112 0175 1 IMPLICIT INPUTS:
113 0176 1
114 0177 1 See FOR$CLOSE.
115 0178 1
116 0179 1 IMPLICIT OUTPUTS:
117 0180 1
118 0181 1 See FOR$CLOSE.
119 0182 1
120 0183 1 ROUTINE VALUE:
121 0184 1 COMPLETION CODES:
122 0185 1
123 0186 1 NONE
124 0187 1
125 0188 1 SIDE EFFECTS:
126 0189 1
127 0190 1 SIGNAL_STOPs FOR$_INVARGFOR (48='INVALID ARGUMENT TO FORTRAN I/O LIBRARY')
128 0191 1 See FOR$CLOSE for rest of errors.
129 0192 1
130 0193 1 --
131 0194 2 BEGIN
132 0195 2
133 0196 2 BUILTIN
134 0197 2 NULLPARAMETER;
135 0198 2
136 0199 2 LOCAL
137 0200 2 CLOSE_KEY_WORD : BLOCK [4, BYTE]; ! CLOSE keyword storage
138 0201 2
139 0202 2 BIND
140 0203 2 L_UNWIND_ACTION = UPLIT (FOR$K_UNWINDNOP); ! No action on unwind
141 0204 2
142 0205 2 MAP
143 0206 2 L_UNWIND_ACTION : VOLATILE; ! ARG to handler
144 0207 2
145 0208 2 ENABLE
146 0209 2 FOR$$ERR_OPECLO (L_UNWIND_ACTION); ! Enable error handler
147 0210 2
148 0211 2 ! Indicate no unwind action, since FOR$CLOSE will also
149 0212 2 ! have setup a handler. Don't pass 2nd arg since not an ERR=
150 0213 2
151 0214 2 !+
152 0215 2 ! SIGNAL_STOP FOR$_INVARGFOR (48='INVALID ARGUMENT TO FFORTRAN I/O LIBRARY')
```

COM\$CLOSE
1-006

FORTTRAN compatibility CALL CLOSE
CLOSE

F 13
16-Sep-1984 00:08:52
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: 153      0216 2      ! if no argument at all.
: 154      0217 2      !-
: 155      0218 2
: 156      0219 2      IF NULLPARAMETER (1) THEN FOR$$SIG_NO_LUB (FOR$K_INVARGFOR, 0);
: 157      0220 2
: 158      0221 2      !+
: 159      0222 2      ! Build OPEN/CLOSE Keyword arg list
: 160      0223 2      ! Pass address of word containing LOGICAL UNIT
: 161      0224 2      ! Since no ERR= specified, any errors will be signaled.
: 162      0225 2      !-
: 163      0226 2
: 164      0227 2      CLOSE_KEY_WORD [OPENS$B_KEY] = OPENS$K_UNIT;
: 165      0228 2      CLOSE_KEY_WORD [OPENS$B_ARG_TYPE] = OPENS$K_ARG_W_R;
: 166      0229 2      FOR$CLOSE- (.CLOSE_KEY_WORD, .LOGICAL_UNIT_NO);
: 167      0230 2      RETURN
: 168      0231 1      END;
```

.TITLE COM\$CLOSE FORTTRAN compatibility CALL CLOSE
.IDENT \1-006\

.PSECT _FOR\$CODE,NOWRT, SHR, PIC,2

00000001 00000 P.AAA: .LONG 1

L_UNWIND_ACTION= P.AAA
.EXTRN FOR\$CLOSE, FOR\$\$ERR_OPECLO
.EXTRN FOR\$\$SIG_NO_LUB

				0000 00000	.ENTRY CLOSE, Save nothing	: 0160
	6D	0029	CF	DE 00002	MOVAL 3\$, (FP)	: 0194
			6C	95 00007	TSTB (AP)	: 0219
			05	13 00009	BEQL 1\$	
		04	AC	D5 0000B	TSTL 4(AP)	
			0A	12 0000E	BNEQ 2\$	
	7E		30	7D 00010	MOVQ #48, -(SP)	
	00000000G	00	02	FB 00013	CALLS #2, FOR\$\$SIG_NO_LUB	
			01	90 0001A	MOVB #1, CLOSE_KEY_WORD	: 0227
50		08	03	F0 0001D	INSV #3, #8, #8, C\$LOSE_KEY_WORD	: 0228
			04	AC DD 00022	PUSHL LOGICAL UNIT NO	: 0229
			50	DD 00025	PUSHL CLOSE_KEY_WORD	
	00000000G	00	02	FB 00027	CALLS #2, FOR\$CLOSE	
			04	0002E	RET	: 0231
			0000 0002F	3\$:	.WORD Save nothing	: 0194
		C8	AF	9F 00031	PUSHAB L_UNWIND_ACTION	
			01	DD 00034	PUSHL #T	
			5E	DD 00036	PUSHL SP	
	7E		04	AC 7D 00038	MOVQ 4(AP), -(SP)	
	00000000G	00	03	FB 0003C	CALLS #3, FOR\$\$ERR_OPECLO	
			04	00043	RET	

; Routine Size: 68 bytes, Routine Base: _FOR\$CODE + 0004

```
: 169      0232 1
: 170      0233 1 END
: 171      0234 1
```

! End of module

COMSCLOSE
1-006

FORTTRAN compatibility CALL CLOSE
CLOSE

: 172

0235 0 ELUDOM

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PSECT SUMMARY

Name	Bytes	Attributes
_FOR\$CODE	72	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
-\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	0	0	581	00:00.9
-\$255\$DUA28:[FORRTL.OBJ]FORLIB.L32;1	711	6	0	52	00:00.5
-\$255\$DUA28:[FORRTL.OBJ]RTLLIB.L32;1	36	0	0	8	00:00.1

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS\$:COMCLOSE/OBJ=OBJ\$:COMCLOSE MSRC\$:COMCLOSE/UPDATE=(ENH\$:COMCLOSE)

: Size: 68 code + 4 data bytes
: Run Time: 00:04.1
: Elapsed Time: 00:17.8
: Lines/CPU Min: 3464
: Lexemes/CPU-Min: 6663
: Memory Used: 41 pages
: Compilation Complete

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