

[illegible]

```

LL               IIIIII               SSSSSSSS
LL               IIIIII               SSSSSSSS
LL               II                SS
LL               II                SS
LL               II                SS
LL               II                SS
LL               II                SSSSSS
LL               II                SSSSSS
LL               II                SS
LL               II                SS
LL               II                SS
LL               II                SS
LLLLLLLLLLLLLL  IIIIII               SSSSSSSS
LLLLLLLLLLLLLL  IIIIII               SSSSSSSS

```



```
1 0001 0 MODULE lib_delete ( ! Delete modules
2 0002 0
3 0003 0 LANGUAGE (BLISS32),
4 0004 0 IDENT = 'V04-000'
5 0005 0 ) =
6 0006 1 BEGIN
7 0007 1
8 0008 1 *****
9 0009 1 *
10 0010 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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27 0027 1 *
28 0028 1 *
29 0029 1 *****
30 0030 1
31 0031 1 ++
32 0032 1
33 0033 1 FACILITY: Library command processor
34 0034 1
35 0035 1 ABSTRACT:
36 0036 1
37 0037 1 The VAX/VMS librarian is invoked by DCL to process the LIBRARY
38 0038 1 command. It utilizes the librarian procedure set to perform
39 0039 1 the actual modifications to the library.
40 0040 1
41 0041 1 ENVIRONMENT:
42 0042 1
43 0043 1 VAX native, user mode.
44 0044 1
45 0045 1 --
46 0046 1
47 0047 1
48 0048 1 AUTHOR: Benn Schreiber, CREATION DATE: 2-July-1979
49 0049 1
50 0050 1 MODIFIED BY:
51 0051 1
52 0052 1 V02-002 RPG0035 Bob Grosso 22-Apr-1981
53 0053 1 Record module names for library update history.
54 0054 1
55 0055 1 V02-001 BLS0029 Benn Schreiber 23-Dec-1980
56 0056 1 Convert messages to message compiler
57 0057 1 --
```


LIB DELETE
V04=000

: 58
: 59

0058 1
0059 1

C 15
16-Sep-1984 01:50:31
14-Sep-1984 12:37:59

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[LIBRAR.SRC]DELETE.B32;1

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LIB
V04

```
61      0060 1 LIBRARY
62      0061 1
63      0062 1 REQUIRE 'SYS$LIBRARY:STARLET.L32';
64      0063 1
65      0247 1 REQUIRE 'PREFIX';
66      0248 1
67      0536 1 REQUIRE 'LIBDEF';
68      0537 1
69      1128 1 REQUIRE 'LBRDEF';
70      1129 1
71      1130 1 FORWARD ROUTINE
72      1131 1     lib_delete_mac,
73      1132 1     deletegsdsym;
74      1133 1
75      1134 1 EXTERNAL
76      1135 1     lbr$gl_rmsstv : ADDRESSING_MODE (GENERAL),
77      1136 1     lib$gl_libfdb : REF BBLOCK;
78      1137 1     lib$gl_objmodix,
79      1138 1     lib$gl_objgsdix,
80      1139 1     lib$gl_macmodix,
81      1140 1     lib$gl_hlpmodix,
82      1141 1     lib$gl_txtmodix,
83      1142 1     lib$gl_libctl;
84      1143 1
85      1144 1 EXTERNAL ROUTINE
86      1145 1     lib_get_zmem,
87      1146 1     lib_free_mem,
88      1147 1     lib_log_upd,
89      1148 1     lib_log_op,
90      1149 1     lbr$set_index : ADDRESSING_MODE (GENERAL),
91      1150 1     lbr$lookup_key : ADDRESSING_MODE (GENERAL),
92      1151 1     lbr$search : ADDRESSING_MODE (GENERAL),
93      1152 1     lbr$delete_key : ADDRESSING_MODE (GENERAL),
94      1153 1     lbr$delete_data : ADDRESSING_MODE (GENERAL);
95      1154 1
96      1155 1 EXTERNAL LITERAL
97      1156 1     lib$_indexerr,
98      1157 1     lib$_lookuperr,
99      1158 1     lib$_delkeyerr,
100     1159 1     lib$_deldaterr,
101     1160 1     lib$_deleted;
102     1161 1
103     1162 1 GLOBAL BIND ROUTINE
104     1163 1     lib_delete_hlp = lib_delete_mac,
105     1164 1     lib_delete_txt = lib_delete_mac;
106     1165 1
107     1166 1 OWN
108     1167 1     gsdlist : VECTOR [2, LONG];
109     1168 1
110     1169 1 BUILTIN
111     1170 1     INSQUE,
112     1171 1     REMQUE;
```

```
!Delete macro modules
!Delete object gsd symbols
```

```
!RMS STV from librarian
!Pointer to library FDB
!index for object modules
!index for object gsd index
!index for macro names
!index for help modules
!index for text modules
!Library control index
```

```
!Allocate virtual memory
!Deallocate virtual memory
!Record module names for LUH
!log delete operation
!Set current index
!Lookup a key
!Search index for RFA
!Delete a key
!Delete data
```

```
!Index error
!Error looking up module
!Error deleting key
!Error deleting data
!Deleted ok
```

```
!Delete help text module
!Delete TEXT module
```

```
!Listhead for deleted symbols
```

```
!Insert into queue
!Remove from queue
```



```
113 1171 1 GLOBAL ROUTINE lib_delete_obj (modulename) =
114 1172 2 BEGIN
115 1173 3
116 1174 4 : Delete modules
117 1175 5
118 1176 6 MAP
119 1177 7     modulename : REF BBLOCK [dsc$sc_s_bln];
120 1178 8 BIND
121 1179 9     libdesc = lib$gl_libfdb [fdb$lnamdesc] : BBLOCK;
122 1180 10 LOCAL
123 1181 11     gsdlnb : REF BBLOCK,
124 1182 12     gsdesc : BBLOCK [dsc$sc_s_bln],
125 1183 13     modulerfa : BBLOCK [rf$sc_length];
126 1184 14
127 P 1185 15 perform (lbr$set_index (lib$gl_libctl, lib$gl_objmodix),
128 1186 16     [lib$indexerr, 1, libdesc]);
129 1187 17
130 P 1188 18 rms_perform (lbr$lookup_key (lib$gl_libctl, .modulename, modulerfa),
131 1189 19     lib$lookuperr, .lbr$gl_rmsstv, 2, .modulename, libdesc);
132 1190 20
133 P 1191 21 perform (lbr$set_index (lib$gl_libctl, lib$gl_objgsdix),
134 1192 22     [lib$indexerr, 1, libdesc]);
135 1193 23
136 1194 24 gsdlist [0] = gsdlist [0]; !Init the queue listhead
137 1195 25 gsdlist [1] = gsdlist [0];
138 P 1196 26 rms_perform (lbr$search (lib$gl_libctl, lib$gl_objgsdix, modulerfa, deletegsdsym), !find gsds
139 1197 27     [lib$indexerr, .lbr$gl_rmsstv, 1, libdesc]);
140 1198 28
141 1199 29 : Remove the symbols from the list that was accumulated and delete
142 1200 30 them now.
143 1201 31
144 1202 32 WHILE NOT REMQUE (.gsdlist, gsdlnb)
145 1203 33 DO BEGIN
146 1204 34     gsdesc [dsc$w_length] = .gsdlnb [lnb$b_namlng]; !Create a descriptor
147 1205 35     gsdesc [dsc$a_pointer] = .gsdlnb [lnb$t_name];
148 P 1206 36     perform (lbr$delete_key (lib$gl_libctl, gsdesc), !Delete the global symbol
149 1207 37         [lib$delkeyerr, 2, .modulename, libdesc]);
150 1208 38     lib_free_mem (lnb$sc_fixedsize+.gsdlnb [lnb$b_namlng], .gsdlnb); !Deallocate the block
151 1209 39 END;
152 1210 40
153 P 1211 41 perform (lbr$set_index (lib$gl_libctl, lib$gl_objmodix),
154 1212 42     [lib$indexerr, 1, libdesc]);
155 1213 43
156 P 1214 44 rms_perform (lbr$delete_key (lib$gl_libctl, .modulename),
157 1215 45     [lib$delkeyerr, .lbr$gl_rmsstv, 2, .modulename, libdesc]);
158 1216 46
159 P 1217 47 rms_perform (lbr$delete_data (lib$gl_libctl, modulerfa),
160 1218 48     [lib$deldaterr, .lbr$gl_rmsstv, 1, libdesc]);
161 1219 49
162 1220 50 lib_log_upd (lhc$sc_deleted, .modulename);
163 1221 51 lib_log_op (lib$sc_deleted, .modulename, .lib$gl_libfdb);
164 1222 52 RETURN true
165 1223 53 1 END;
```

```
.TITLE LIB_DELETE
.IDENT \V04-000\
```


.PSECT SOWNS,NOEXE,2
00000 GSDLIST:.BLKB 8

.EXTRN LBR\$GL_RMSSTV, LIB\$GL_LIBFDB
.EXTRN LIB\$GL_OBJMODIX
.EXTRN LIB\$GL_OBJGSDIX
.EXTRN LIB\$GL_MACMODIX
.EXTRN LIB\$GL_HLPMODIX
.EXTRN LIB\$GL_TXTMODIX
.EXTRN LIB\$GL_LIBCTL, LIB_GET_ZMEM
.EXTRN LIB_FREE_MEM, LIB_LOG_OPD
.EXTRN LIB_LOG_OP, LBR\$SET_INDEX
.EXTRN LBR\$LOOKUP_KEY, LBR\$SEARCH
.EXTRN LBR\$DELETE_KEY, LBR\$DELETE_DATA
.EXTRN LIB\$_INDEXERR, LIB\$_LOOKUPERR
.EXTRN LIB\$_DELKEYERR, LIB\$_DELDATERR
.EXTRN LIB\$_DELETED

.PSECT \$CODE\$,NOWRT,2

		OFFC 00000				
5B	00000000G	8F	DD	00002	MOVL	LIB_DELETE_OBJ, Save R2,R3,R4,R5,R6,R7,R8,-
5A	00000000G	00	9E	00009	R9,R10,R11	1171
59	0000'	CF	9E	00010	MOVAB	#LIB\$ DELKEYERR, R11
58	00000000G	00	9E	00015	MOVAB	LBR\$DELETE_KEY, R10
57	00000000G	00	9E	0001C	MOVAB	GSDLIST, R9
56	00000000G	8F	DD	00023	MOVAB	LBR\$SET_INDEX, R8
55	0000G	CF	9E	0002A	MOVAB	LBR\$GL_RMSSTV, R7
54	00000000G	00	9E	0002F	MOVAB	#LIB\$ INDEXERR, R6
5E		10	C2	00036	MOVAB	LIB\$GL_LIBCTL, R5
53	0000G	CF	10	C1	MOVAB	LIB\$SIGNAL, R4
			10	C1	SUBL2	#16, SP
	0000G	CF	9F	0003F	ADDL3	#16, LIB\$GL_LIBFDB, R3
		55	DD	00043	PUSHAB	LIB\$GL_OBJMODIX
68		02	FB	00045	PUSHL	R5
0B		50	E8	00048	CALLS	#2, LBR\$SET_INDEX
		50	DD	0004B	BLBS	STATUS, 1\$
		53	DD	0004D	PUSHL	STATUS
		01	DD	0004F	PUSHL	R3
		56	DD	00051	PUSHL	#1
64		04	FB	00053	PUSHL	R6
		5E	DD	00056	CALLS	#4, LIB\$SIGNAL
	04	AC	DD	00058	PUSHL	SP
		55	DD	0005B	PUSHL	MODULENAME
00000000G	00	03	FB	0005D	PUSHL	R5
14		50	E8	00064	CALLS	#3, LBR\$LOOKUP_KEY
		67	DD	00067	BLBS	STATUS, 2\$
		50	DD	00069	PUSHL	LBR\$GL_RMSSTV
		53	DD	0006B	PUSHL	STATUS
	04	AC	DD	0006D	PUSHL	R3
		02	DD	00070	PUSHL	MODULENAME
	00000000G	8F	DD	00072	PUSHL	#2
64		06	FB	00078	PUSHL	#LIB\$ LOOKUPERR
	0000G	CF	9F	0007B	CALLS	#6, LIB\$SIGNAL
		55	DD	0007F	PUSHAB	LIB\$GL_OBJGSDIX
					PUSHL	R5

68	02	FB	00081	CALLS	#2, LBR\$SET_INDEX	:
0B	50	E8	00084	BLBS	STATUS, 3\$	:
	50	DD	00087	PUSHL	STATUS	:
	53	DD	00089	PUSHL	R3	:
	01	DD	0008B	PUSHL	#1	:
	56	DD	0008D	PUSHL	R6	:
64	04	FB	0008F	CALLS	#4, LIB\$SIGNAL	:
69	69	9E	00092	MOVAB	GSDLIST, GSDLIST	1194
04	69	9E	00095	MOVAB	GSDLIST, GSDLIST+4	1195
	0000V	CF	9F 00099	PUSHAB	DELETEDGSDSYM	1197
	04	AE	9F 0009D	PUSHAB	MODULERFA	:
	0000G	CF	9F 000A0	PUSHAB	LIB\$GL_OBJGSDIX	:
		55	DD 000A4	PUSHL	R5	:
00000000G	00	04	FB 000A6	CALLS	#4, LBR\$SEARCH	:
	0D	50	E8 000AD	BLBS	STATUS, 4\$	:
		67	DD 000B0	PUSHL	LBR\$GL_RMSSTV	:
		50	DD 000B2	PUSHL	STATUS	:
		53	DD 000B4	PUSHL	R3	:
		01	DD 000B6	PUSHL	#1	:
		56	DD 000B8	PUSHL	R6	:
64	05	FB	000BA	CALLS	#5, LIB\$SIGNAL	:
52	00	B9	0F 000BD	REMQUE	@GSDLIST, GSDLNB	1202
		33	1D 000C1	BVS	6\$	:
08	09	A2	9B 000C3	MOVZBW	9(GSDLNB), GSDESC	1204
OC	0A	A2	9E 000C8	MOVAB	10(R2), GSDESC+4	1205
	08	AE	9F 000CD	PUSHAB	GSDESC	1207
		55	DD 000D0	PUSHL	R5	:
6A	02	FB	000D2	CALLS	#2, LBR\$DELETE_KEY	:
OE	50	E8	000D5	BLBS	STATUS, 5\$	:
	50	DD	000D8	PUSHL	STATUS	:
	53	DD	000DA	PUSHL	R3	:
	04	AC	DD 000DC	PUSHL	MODULENAME	:
		02	DD 000DF	PUSHL	#2	:
		5B	DD 000E1	PUSHL	R11	:
64	05	FB	000E3	CALLS	#5, LIB\$SIGNAL	:
	52	DD	000E6	PUSHL	GSDLNB	1208
7E	09	A2	9A 000E8	MOVZBL	9(GSDLNB), -(SP)	:
6E	0A	CO	000EC	ADDL2	#10, (SP)	:
0000G	02	FB	000EF	CALLS	#2, LIB_FREE_MEM	:
	CF	C7	11 000F4	BRB	4\$	1202
	0000G	CF	9F 000F6	PUSHAB	LIB\$GL_OBJMODIX	1212
		55	DD 000FA	PUSHL	R5	:
68	02	FB	000FC	CALLS	#2, LBR\$SET_INDEX	:
0B	50	E8	000FF	BLBS	STATUS, 7\$	:
	50	DD	00102	PUSHL	STATUS	:
	53	DD	00104	PUSHL	R3	:
	01	DD	00106	PUSHL	#1	:
	56	DD	00108	PUSHL	R6	:
64	04	FB	0010A	CALLS	#4, LIB\$SIGNAL	:
	04	AC	DD 0010D	PUSHL	MODULENAME	1215
		55	DD 00110	PUSHL	R5	:
6A	02	FB	00112	CALLS	#2, LBR\$DELETE_KEY	:
10	50	E8	00115	BLBS	STATUS, 8\$	:
	67	DD	00118	PUSHL	LBR\$GL_RMSSTV	:
	50	DD	0011A	PUSHL	STATUS	:
	53	DD	0011C	PUSHL	R3	:
	04	AC	DD 0011E	PUSHL	MODULENAME	:

LIB_DELETE
V04=000

H 15
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14-Sep-1984 12:37:59

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[LIBRAR.SRC]DELETE.B32;1

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			02	DD	00121	PUSHL	#2	:	
			5B	DD	00123	PUSHL	R11	:	
	64		06	FB	00125	CALLS	#6, LIB\$SIGNAL	:	
		4020	8F	BB	00128	PUSHR	#^M<R5,SP>	:	1218
00000000G	00		02	FB	0012C	CALLS	#2, LBR\$DELETE_DATA	:	
	11		50	E8	00133	BLBS	STATUS, 9\$	:	
			67	DD	00136	PUSHL	LBR\$GL_RMSSTV	:	
			50	DD	00138	PUSHL	STATUS-	:	
			53	DD	0013A	PUSHL	R3	:	
			01	DD	0013C	PUSHL	#1	:	
		00000000G	8F	DD	0013E	PUSHL	#LIB\$ DELDATERR	:	
	64		05	FB	00144	CALLS	#5, LIB\$SIGNAL	:	
		04	AC	DD	00147	PUSHL	MODULENAME	:	1220
			01	DD	0014A	PUSHL	#1	:	
0000G	CF		02	FB	0014C	CALLS	#2, LIB LOG UPD	:	
		0000G	CF	DD	00151	PUSHL	LIB\$GL CIBFDB	:	1221
		04	AC	DD	00155	PUSHL	MODULENAME	:	
		00000000G	8F	DD	00158	PUSHL	#LIB\$ DELETED	:	
0000G	CF		03	FB	0015E	CALLS	#3, LIB_LOG_OP	:	1222
	50		01	DO	00163	MOVL	#1, R0	:	1223
			04	DO	00166	RET		:	

; Routine Size: 359 bytes, Routine Base: \$CODE\$ + 0000

```
167 1224 1 GLOBAL ROUTINE lib_delete_mac (modulename) =
168 1225 2 BEGIN
169 1226 2
170 1227 2 Delete macros
171 1228 2
172 1229 2 MAP
173 1230 2 modulename : REF BBLOCK [dsc$sc_s_bln];
174 1231 2 BIND
175 1232 2 libdesc = lib$gl_libfdb [fdb$l_namdesc] : BBLOCK;
176 1233 2 LOCAL
177 1234 2 modulerfa : BBLOCK [rfa$ length];
178 P 1235 2 perform (lbr$set_index (lib$gl_libctl, lib$gl_macmodix),
179 1236 2 lib$_indexerr, 1, libdesc);
180 1237 2
181 P 1238 2 rms_perform (lbr$lookup_key (lib$gl_libctl, .modulename, modulerfa),
182 1239 2 lib$_lookuperr, .lbr$gl_rmsstv, 2, .modulename, libdesc);
183 1240 2
184 P 1241 2 rms_perform (lbr$delete_key (lib$gl_libctl, .modulename),
185 1242 2 lib$_delkeyerr, .lbr$gl_rmsstv, 2, .modulename, libdesc);
186 1243 2
187 P 1244 2 rms_perform (lbr$delete_data (lib$gl_libctl, modulerfa),
188 1245 2 lib$_delterr, .lbr$gl_rmsstv, 1, libdesc);
189 1246 2
190 1247 2 lib_log_upd (lhe$ deleted, .modulename );
191 1248 2 lib_log_op (lib$ deleted, .modulename, .lib$gl_libfdb);
192 1249 2 RETURN true
193 1250 1 END;
```

			007C 00000	.ENTRY	LIB DELETE MAC, Save R2,R3,R4,R5,R6	: 1224
	56	0000G	CF 9E 00002	MOVAB	LIB\$GL_LIBCTL, R6	
	55	00000000G	00 9E 00007	MOVAB	LBR\$GL_RMSSTV, R5	
	54	00000000G	00 9E 0000E	MOVAB	LIB\$SIGNAL, R4	
	5E		08 C2 00015	SUBL2	#8, SP	
53	0000G	CF	10 C1 00018	ADDL3	#16, LIB\$GL_LIBFDB, R3	1232
		0000G	CF 9F 0001E	PUSHAB	LIB\$GL_MACMODIX	1236
			56 DD 00022	PUSHL	R6	
	00000000G	00	02 FB 00024	CALLS	#2, LBR\$SET_INDEX	
		0F	50 E8 0002B	BLBS	STATUS, 1\$	
			50 DD 0002E	PUSHL	STATUS	
			53 DD 00030	PUSHL	R3	
			01 DD 00032	PUSHL	#1	
		00000000G	8F DD 00034	PUSHL	#LIB\$.INDEXERR	
	64		04 FB 0003A	CALLS	#4, LIB\$SIGNAL	
			5E DD 0003D	PUSHL	SP	1239
		04	AC D0 0003F	MOVL	MODULENAME, R2	
			52 DD 00043	PUSHL	R2	
			56 DD 00045	PUSHL	R6	
	00000000G	00	03 FB 00047	CALLS	#3, LBR\$LOOKUP_KEY	
		11	50 E8 0004E	BLBS	STATUS, 2\$	
			65 DD 00051	PUSHL	LBR\$GL_RMSSTV	
			50 DD 00053	PUSHL	STATUS	
			0C BB 00055	PUSHR	#*M<R2,R3>	
			02 DD 00057	PUSHL	#2	

LIB_DELETE
V04=000

J 15
16-Sep-1984 01:50:31
14-Sep-1984 12:37:59

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[LIBRAR.SRC]DELETE.B32;1

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		00000000G	8F	DD	00059	PUSHL	#LIB\$ LOOKUPERR	:	
	64		06	FB	0005F	CALLS	#6, LIB\$SIGNAL	:	
			52	DD	00062	PUSHL	R2	:	1242
			56	DD	00064	PUSHL	R6	:	
00000000G	00		02	FB	00066	CALLS	#2, LBR\$DELETE_KEY	:	
	11		50	EB	0006D	BLBS	STATUS, 3\$	:	
			65	DD	00070	PUSHL	LBR\$GL_RMSSTV	:	
			50	DD	00072	PUSHL	STATUS	:	
			0C	BB	00074	PUSHR	#^M<R2,R3>	:	
			02	DD	00076	PUSHL	#2	:	
		00000000G	8F	DD	00078	PUSHL	#LIB\$ DELKEYERR	:	
	64		06	FB	0007E	CALLS	#6, LIB\$SIGNAL	:	
		4040	8F	BB	00081	PUSHR	#^M<R6,SP>	:	1245
00000000G	00		02	FB	00085	CALLS	#2, LBR\$DELETE_DATA	:	
	11		50	EB	0008C	BLBS	STATUS, 4\$	:	
			65	DD	0008F	PUSHL	LBR\$GL_RMSSTV	:	
			50	DD	00091	PUSHL	STATUS	:	
			53	DD	00093	PUSHL	R3	:	
			01	DD	00095	PUSHL	#1	:	
		00000000G	8F	DD	00097	PUSHL	#LIB\$ DELDATERR	:	
	64		05	FB	0009D	CALLS	#5, LIB\$SIGNAL	:	
			52	DD	000A0	PUSHL	R2	:	1247
			01	DD	000A2	PUSHL	#1	:	
0000G	CF		02	FB	000A4	CALLS	#2, LIB_LOG_UPD	:	
		0000G	CF	DD	000A9	PUSHL	LIB\$GL_LIBFDB	:	1248
			52	DD	000AD	PUSHL	R2	:	
		00000000G	8F	DD	000AF	PUSHL	#LIB\$ DELETED	:	
0000G	CF		03	FB	000B5	CALLS	#3, LIB_LOG_OP	:	1249
	50		01	DO	000BA	MOVL	#1, R0	:	
			04	000BD	RET			:	1250

; Routine Size: 190 bytes, Routine Base: \$CODE\$ + 0167

```
195 1251 1 ROUTINE deletegsdsym (keydesc) =
196 1252 2 BEGIN
197 1253 2
198 1254 2 Delete one gsd symbol
199 1255 2
200 1256 2 MAP
201 1257 2 keydesc : REF BBLOCK [rfa$length];
202 1258 2 BIND
203 1259 2 libdesc = lib$gl_libfdb [fdb$l_namdesc] : BBLOCK;
204 1260 2 LOCAL
205 1261 2 lnb : REF BBLOCK;
206 1262 2
207 1263 2 perform (lib_get_zmem (lnb$fixedsize+keydesc [dsc$length], lnb)); !Alloc a name block
208 1264 2 CH$MOVE (.keydesc [dsc$length], .keydesc [dsc$a_pointer], !Copy in the name
209 1265 2 lnb [lnb$name]);
210 1266 2 lnb [lnb$name] = .keydesc [dsc$length];
211 1267 2 INSQUE (.lnb, .gsdlist [1]); !Insert into queue
212 1268 2
213 1269 2 RETURN true
214 1270 1 END; !Of deletegsdsym
```

00FC 0000 DELETGSDSYM:						
	5E	04	C2 00002	.WORD	Save R2,R3,R4,R5,R6,R7	1251
		5E	DD 00005	SUBL2	#4, SP	
	57	04	AC D0 00007	PUSHL	SP	1263
	7E		67 3C 0000B	MOVL	KEYDESC, R7	
	6E		0A C0 0000E	MOVZWL	(R7), -(SP)	
0000G	CF		02 FB 00011	ADDL2	#10, (SP)	
	15		50 E9 00016	CALLS	#2, LIB_GET_ZMEM	
	56		6E D0 00019	BLBC	STATUS, -1\$	
0A A6	B7		67 28 0001C	MOVL	LNB, R6	1265
	09		67 90 00022	MOVC3	(R7), @4(R7), 10(R6)	
0000'	DF		66 0E 00026	MOVB	(R7), 9(R6)	1266
	50		01 D0 0002B	INSQUE	(R6), @GSDLIST+4	1267
			04 0002E 1\$:	MOVL	#1, R0	1269
				RET		1270

; Routine Size: 47 bytes, Routine Base: \$CODE\$ + 0225

```
215 1271 1 END
216 1272 0 ELUDCM
```

```
.EXTRN LIB$SIGNAL
LIB_DELETE_TXT== LIB_DELETE_MAC
LIB_DELETE_HLP== LIB_DELETE_MAC
```

PSECT SUMMARY

Name	Bytes	Attributes
------	-------	------------

LIB_DELETE
V04=000

L 15
16-Sep-1984 01:50:31
14-Sep-1984 12:37:59

VAX-11 Bliss-32 V4.0-742
[LIBRAR.SRC]DELETE.B32;1

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:
: \$OWNS
: \$CODES
: 8 NOVEC, WRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)
: 596 NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	23	0	581	00:01.0

COMMAND QUALIFIERS

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

: 217 1273 0
: Size: 596 code + 8 data bytes
: Run Time: 00:20.2
: Elapsed Time: 00:40.5
: Lines/CPU Min: 3777
: Lexemes/CPU-Min: 44403
: Memory Used: 199 pages
: Compilation Complete

0200 AH-BT13A-SE
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION
CONFIDENTIAL AND PROPRIETARY

TRANSFER
LIS

DATABASE
LIS

PUTCACHE
LIS

LIBRAR

PREFIX
REQ

LIBRARIAN
MAP

CROSS
LIS

SUBS
LIS

PADLBR
LIS

COMPRESS
LIS

LIB
MDL

FILEIO
LIS

EXTRACT
LIS

DELETE
LIS