


```

RRRRRRRR      TTTTTTTTTT  LL      MM      MM      AAAAAA      CCCCCCCC      MM      MM      AAAAAA      RRRRRRRR
RRRRRRRR      TTTTTTTTTT  LL      MM      MM      AAAAAA      CCCCCCCC      MM      MM      AAAAAA      RRRRRRRR
RR      RR      TT      LL      MMMM      MMMM      AA      AA      CC      MMMM      MMMM      AA      AA      RR      RR
RR      RR      TT      LL      MMMM      MMMM      AA      AA      CC      MMMM      MMMM      AA      AA      RR      RR
RR      RR      TT      LL      MM      MM      AA      AA      CC      MM      MM      AA      AA      RR      RR
RR      RR      TT      LL      MM      MM      AA      AA      CC      MM      MM      AA      AA      RR      RR
RRRRRRRR      TT      LL      MM      MM      AA      AA      CC      MM      MM      AA      AA      RRRRRRRR
RRRRRRRR      TT      LL      MM      MM      AA      AA      CC      MM      MM      AA      AA      RRRRRRRR
RR      RR      TT      LL      MM      MM      AAAAAAAAAA      CC      MM      MM      AAAAAAAAAA      RR      RR
RR      RR      TT      LL      MM      MM      AAAAAAAAAA      CC      MM      MM      AAAAAAAAAA      RR      RR
RR      RR      TT      LL      MM      MM      AA      AA      CC      MM      MM      AA      AA      RR      RR
RR      RR      TT      LL      MM      MM      AA      AA      CC      MM      MM      AA      AA      RR      RR
RR      RR      TT      LL      MM      MM      AA      AA      CC      MM      MM      AA      AA      RR      RR
RR      RR      TT      LL      MM      MM      AA      AA      CC      MM      MM      AA      AA      RR      RR
RR      RR      TT      LL      MM      MM      AA      AA      CC      MM      MM      AA      AA      RR      RR
RR      RR      TT      LL      MM      MM      AA      AA      CC      MM      MM      AA      AA      RR      RR
RR      RR      TT      LL      LLLLLLLLLL      MM      MM      AA      AA      CCCCCCCC      MM      MM      AA      AA      RR      RR
RR      RR      TT      LL      LLLLLLLLLL      MM      MM      AA      AA      CCCCCCCC      MM      MM      AA      AA      RR      RR

```

```

MM      MM      AAAAAA      RRRRRRRR
MM      MM      AAAAAA      RRRRRRRR
MMMM      MMMM      AA      AA      RR      RR
MMMM      MMMM      AA      AA      RR      RR
MM      MM      MM      AA      AA      RR      RR
MM      MM      MM      AA      AA      RR      RR
MM      MM      MM      AA      AA      RRRRRRRR
MM      MM      MM      AA      AA      RRRRRRRR
MM      MM      AAAAAAAAAA      RR      RR
MM      MM      AAAAAAAAAA      RR      RR
MM      MM      AA      AA      RR      RR
MM      MM      AA      AA      RR      RR
MM      MM      AA      AA      RR      RR
MM      MM      AA      AA      RR      RR

```

↑ This file, RTLACMAR.MAR, defines macros from the RTL for STARLET.MLB.
 Edit: SBL1003

```

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```

↑ Edit History:

- 1-001 - Original, with just \$LIB KEY TABLE. JBS 19-DEC-1979
- 1-002 - Add copyright notice. SBL 11-Mar-1980
- 1-003 - Reset location counter to proper place at end of \$LIB_KEY_TABLE.
 SBL 10-Sep-1981

↑ \$LIB_KEY_TABLE builds the data structure for LIB\$LOOKUP_KEY.
 It is called with a single argument, consisting of a list of
 pairs. The pairs consist of the keyword string followed
 by the (32-bit) value associated with the keyword. For example:

```
$LIB_KEY_TABLE <<A,0>,<B,1>,<C,2>>
```

associates A with 0, B with 1 and C with 2.

↑ This macro produces one entry in the key table. It is called from
 \$LIB_KEY_TABLE with LIB\$\$A_STRLOC pointing to the place to put the keyword
 string. LIB\$\$A_STRLOC is updated.

```

        .MACRO          $$LIB KEY ENTRY STRING, VALUE
        .ADDRESS        LIB$$A_STRLOC
        .LONG           VALUE
LIB$$A_HERE=.
.=LIB$$A_STRLOC
    
```

```
.ASCIC          \STRING\
LIB$$A_STRLOC=.
.=LIB$$A_HERE
.ENDM          $$LIB_KEY_ENTRY
:
: This macro produces the key table for LIB$LOOKUP_KEY.
:
: .MACRO          $LIB_KEY_TABLE PAIRS
:
: + Count the number of argument pairs.
: -
LIB$$K_NPAIRS=0
: .IRP          ENTRY, <PAIRS>
LIB$$K_NPAIRS=LIB$$K_NPAIRS+1
: .ENDR
:
: + Emit the count of following longwords.
: -
: .LONG          LIB$$K_NPAIRS*2
:
: + Compute where the strings will start.
LIB$$A_STRLOC=.+<8*LIB$$K_NPAIRS>
:
: + Emit each table entry, with its string.
: -
: .IRP          ENTRY, <PAIRS>
: $$LIB_KEY_ENTRY ENTRY
: .ENDR
:
: + Reset location counter to just past the last string.
: -
.=LIB$$A_STRLOC
: .ENDM          $LIB_KEY_TABLE
:
: End of macro $LIB_KEY_TABLE
:
: End of file RTLACMAR.MAR
```

RTLMACB32 REQ	STRMACROS REQ	RTLOOBBG REQ	RTLPSECT REQ	STRLNK REQ	RTLMACMAR MAR	LIBASCEBC LIS	LIBASTINP LIS	LIBBINTRE LIS	LIBCHAR LIS
					LIBDEF FOR	LIBANASTR LIS	LIBASNMBX LIS	LIBBBCCI LIS	
					LIBABUPCA LIS	LIBADDP LIS			
					SIGDEF FOR		LIBASCTIM LIS		
							LIBATTACH LIS		
					LIBTABMAC MAR	LIBA2EREV LIS	LIBBBSST LIS	LIBCALLG LIS	LIBCLICAL LIS
						LIBADDP LIS			