

SERIES-III 8086/8087/3088 MACRO ASSEMBLER V1.1 ASSEMBLY OF MODULE TPSSUP
OBJECT MODULE PLACED IN :F1:TPSSUP.OBJ
ASSEMBLER INVOKED BY: ASM86.36 :F1:TPSSUP.A86 XREF PRINT(:F5:TPSSUP.LST)

LOC	OBJ	LINE	SOURCE
50		;	;
51		;	;
52		;	;
53		;	;
54		; TITLE: long_call	long_call
55		;	Used to call device driver (LARGE) from COMPACT
56		;	;
57		; CALL: CALL long_call(...args... , proc\$p);	CALL long_call(...args... , proc\$p);
58		;	;
59		; INTERFACE VARIABLES:	INTERFACE VARIABLES:
60		;	'args' are passed through.
61		;	'proc\$p' is a pointer to the LARGE model procedure
62		;	to be called.
63		;	;
64		; CALLS: proc\$p	CALLS: proc\$p
65		;	;
66		; ABSTRACT: Calls LARGE procedure pointed to by top (last) pointer	ABSTRACT: Calls LARGE procedure pointed to by top (last) pointer
67		;	argument on stack. Called from COMPACT.
68		;	;
69		;	;
70		;	;
71		;	;
----		72 data segment	;
0000 ????????		73 callee dd ?	;
		74	;
		75	;
----		76 data ends	;
----		77	;
----		78 code segment	;
0000		79	;
		80 long_call proc near	;
		81	;
0000 58		82 pop ax	pop off return offset
0001 8F060000	R	83 pop word ptr callee	;
0005 8F060200	R	84 pop word ptr calleet2	pop off proc pointer
0009 0E		85 push cs	;
000A 50		86 push ax	simulate far call
000B FF2E0000	R	87 jmp callee	;
		88	;
		89 long_call endp	;
		90	;
----		91 code ends	;
92		93	;
		94	;
		95	;
		96; TITLE: long_goto	;
		97; Jumps to its pointer argument go_address,	;
		98; with its pointer argument arg_pointer in es:bx	;
		99;	;
100		; CALL: CALL long_goto(go_address, arg_pointer)	;
101		;	DECLARE
102		;	go_address POINTER,
103		;	arg_pointer POINTER;
104		;	;

LOC	OBJ	LINE	SOURCE
		105	; INTERFACE VARIABLES:
		106	go_address Address to jump to
		107	arg_pointer Loaded into es:bx before jump
		108	;
		109	; CALLS: go_address, no return.
		110	;
		111	; ABSTRACT: Used to jump to loaded program, passing a pointer
		112	argument in es:bx.
		113	;
		114	;;;;;;;;;;;;;;;;;;;
		115	;
		116	;
----		117	----- code segment ;
		118	;
000F		119	long_goto proc near ;
		120	;
000F 88EC		121	mov bp, sp ;
0011 C45E02		122	les bx, dword ptr [bp+2] ;
0014 FF6E06		123	jmp dword ptr [bp+6] ;
		124	;
		125	long_goto endp ;
		126	;
----		127	----- code ends ;
		128	;
		129	;
		130	;;;;;;;;;;;;;;;;;;;
		131	;
		132	; TITLE: error_halt
		133	Halts
		134	;
		135	; CALL: CALL error_halt;
		136	;
		137	; INTERFACE VARIABLES: none
		138	;
		139	; CALLS: none
		140	;
		141	; ABSTRACT: Used to halt after an error.
		142	;
		143	;;;;;;;;;;;;;;;;;;;
		144	;
----		145	----- code segment ;
		146	;
0017		147	error_halt proc near ;
		148	;
0017 F4		149	hlt ;
		150	;
		151	error_halt endp ;
		152	;
----		153	----- code ends ;
		154	;
		155	;
		156	end

XREF SYMBOL TABLE LISTING

NAME	TYPE	VALUE	ATTRIBUTES, XREFS
??SEG . . .	SEGMENT		SIZE=0000H PARA PUBLIC
CALLEE. . .	V WORD	0000H	DATA 74# 83 84 87
CGROUP. . .	GROUP		CODE 38# 49
CODE. . .	SEGMENT		SIZE=0018H PARA PUBLIC 'CODE' 38# 41 44 78 91 117 127 145 153
DATA. . .	SEGMENT		SIZE=0004H WORD PUBLIC 'DATA' 39# 46 47 72 76
DGROUP. . .	GROUP		DATA 39# 49
ERROR_HALT. L	NEAR	0017H	CODE PUBLIC 36 147# 151
LONG_CALL. L	NEAR	0000H	CODE PUBLIC 34 80# 89
LONG_GOTO. L	NEAR	000FH	CODE PUBLIC 35 119# 125

END OF SYMBOL TABLE LISTING

ASSEMBLY COMPLETE, NO ERRORS FOUND