



Uninsert Routine

BP04	PSHS DEC	A,B,X,Y,U NUMBP,PCR	Save used registers Decrement Number-Of-Breakpoints
IF02	CMPB BGT DECB TFR LSLA LDX	NUMBP,PCR ENDF02 B,A BPTAB,PCR	If Entry-to-be-Removed < Number-Of-Breakpoints Convert B to use as offset Copy B into A Convert A to use as offset Base address of Breakpoint-Table
	LEAX	A,X	Breakpoint-Table (Breakpoint-Number)
	LDY	REMTAB,PCR	Base address of Removed-Values
	LEAY	B,Y	Removed-Values (Breakpoint-Number)
FOR00	LDU	2,X	Get Breakpoint-Table entry to be moved
	STU	,X++	Move it back one place
	LDA	1,Y	Get Removed-Values entry to be moved
	STA	,Y+	Move it back one place
	INCB		
	CMPB	NUMBP,PCR	Last one?
	BLT	FOR00	Next one
ENDF02	PULS	A,B,X,Y,U,PC	Restore and Return

Unset-Breakpoint Routine

BP05	PSHS DECB	A,B,X	Convert to offset into Removed-Values
	LDX	REMTAB,PCR	Base address of Removed-Values
	LDA	B,X	Get value to be moved
	LSLB		Convert to offset into Breakpoint-Table
	LDX	BPTAB,PCR	Base address of Breakpoint-Table
	STA	[B,X]	Store at address in table
	PULS	A,B,X,PC	Restore and Return

Command U

PROMPT CMDU	FCB PSHS LDA BSR BSR TFR LDB	> A,B,X,Y PROMPT,PCR OUTCH GETADD D,Y MAXBP,PCR	Save used registers Display prompt Get Address Put Breakpoint-Address in Y Maximum number of Breakpoints (16)
	LDX TFR LSLA	BPTAB,PCR B,A	Base Address of Breakpoint-Table A is offset to the end of Breakpoint-Table
	LEAX	A,X	X now points past the end of the table
WHILO2	TSTB BLE CMPY	ENDW02 ,-X	Set flags on contents of B While B > 0 (Remember X is decremented first)

BEQ	ENDW02	and Breakpoint-Address is not found in table
DECB		Decrement Breakpoint-Number
BRA	WHILO2	Found if B > 0
TSTB		If found then
BLE	ENDF	Uninsert-Breakpoint
BSR	BP04	
PULS	A,B,X,Y	

Command S

START CMD5	RMB LDA	2 NUMBP,PCR	Start-Address Set Breakpoint-Number to Number-Of-Breakpoints
WHILO3	TSTA		Test the value of Breakpoint-Number
	BLE	ENDW03	While Breakpoint-Number > 0
	DECA		Decrement Breakpoint-Number
	BSR	BP02	Set-Up-Breakpoint
	BRA	WHILO3	Next Breakpoint
ENDW03	LDA	#1	Set Next-Breakpoint to 1
	STA	NEXTBP,PCR	
	STD	1,S	
	RTS		

Command M

PROMPT SPACE CMDM	FCB FCB PSHS LDA BSR BSR TFR	> 32 A,B,X PROMPT,PCR OUTCH GETADD D,X ,X	ASCII code for Space Save used registers Display Prompt Get Current-Location Move it to X Get Current-Value Display Current-Value
REPT01	LDB BSR LDA BSR BSR	,X PUTHEX SPACE,PCR OUTCH GETVAL	Get Current-Value Display Current-Value Display a Space Get New-Value If New-Value is not a dot
IF03	TSTA BLT BGT STB	UNTLO1 ENDF03 ,X	If it is not a Return Store New-Value in Current-Location Increment Current-Location Display Current-Location
ENDF03	LEAX TFR BSR BRA PULS	1,X X,D DSPADD REPT A,B,X,PC	
UNTLO1			

