| AUX BSM TO 2000 | BSM TO 2000 | ALL MAIN TO AUX | O-8FF TO 2000 | SECTOR EDITOR | MEMORY MENU | **MAIN MENU** | ENTER BASIC | BOOT | MONITOR |

| MIXED FULL | LO-RES HI-RES | TEXT GRAPH | PAGE1 PAGE2 |

A ALTER MEMORY	Q QUICK RESTART
B SELECT BANK	R RESTART
D DISASM	S STACK DISPLAY
G GOTO ADDRESS	W WAIT FOR SWITCH
CTRL-P PRINT SCREEN	X XCHANGE MEMORY

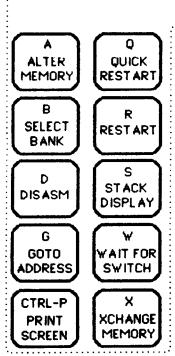# Senior PROM V. 2.00 Key Reference

(Cut on dotted lines, attach to keyboard)

Dear Senior PROM owner,

A new version of the Senior PROM firmware (firmware is the software contained within the Senior PROM) is now available! New features in version 3.0 include:

- Easier to use with consistent methods of movement between features within the Senior PROM.

- An improved Sector Editor that provides a visual indication of exactly what byte is being edited.

- New memory/disk Search and Find features within the Sector Editor that are more efficient and user-friendly (no longer searches memory everytime it is invoked, and when finding a string on disk it prints out the locations on disk it was found)

- A screen-to-printer function that is available from <u>any</u> point in the Sector Editor.

- A single key-press Clear Memory and Reboot function from the Wait mode.

- A new plastic laminated keyboard function strip.

These are the majority of the new features in the Senior PROM version 3.0. If you would like to upgrade to the new Senior PROM firmware, please follow the procedures outlined on the next pages. Cost of the upgrade for //e owners is $10.00, and for the //c $15.00 (or $10.00, depending on the upgrade procedure taken). Note that while performing the upgrade procedure Cutting Edge Enterprises will in no way be liable for any damages occurred to your computer or the Senior PROM.

//e Owners

1) Turn your //e computer off and remove the top of the computer case.

2) With the top of your //e case removed, touch the power supply (large metal case along the left side of the computer) to "ground" yourself.

3) Locate the Senior PROM installed in your //e.

4) Using a small flat blade screw driver or a chip remover, remove the two (2) large chips labeled "CD" and "EF" from the Senior PROM board. Lift under the front of each chip and gently remove, being careful not to bend the chip's pins.

   THE ENTIRE SENIOR PROM DOES NOT NEED TO BE REMOVED TO COMPLETE THIS STEP!

5) Locate your two (2) **original** Apple ROMs that you removed when initially installing the Senior PROM.

6) Plug the two (2) original ROMs into the Senior PROM as follows:

   NOTE THE NOTCH IN THE CHIP SHOULD BE TOWARDS THE KEYBOARD!

   Standard ROMs:
   > Plug the original Apple ROM numbered 342-0135-A (CD ROM) into the empty Senior PROM socket closest to the power supply.

   > Plug the original Apple ROM numbered 342-0134-A (EF ROM) into the empty Senior PROM socket furthest from the power supply.

   Enhanced ROMs:
   > Plug the original Apple ROM numbered 342-0304-A (CD ROM) into the empty Senior PROM socket closest to the power supply.

   > Plug the original Apple ROM numbered 342-0303-A (EF ROM) into the empty Senior PROM socket furthest from the power supply.

7) Replace the computer cover and any associated hardware on your //e.

8) Move the Senior PROM toggle switch to the "activated" position (towards the front). Your Apple //e will now act normally, as if the Senior PROM was not installed.

9) Wrap the two ROM chips removed from the Senior PROM in **TIN FOIL** (or some other conductor), and package in a protective container suitable for mailing. Include in this package Cash, Check or Money Order for $10.00. **Send FIRST CLASS U.S. MAIL only!** U.P.S. deliveries will not be accepted. Version 3.0 //e upgrades will not be performed without sending the two (2) Senior PROM chips and $10.00 to:

> Cutting Edge Enterprises
> Box 43234 Ren Cen Station
> Detroit, MI 48243

New Senior PROM chips (version 3.0) will be returned. Installation is the reverse order of the procedure described above, so save this document till your new Senior PROM chips are received.

//c Owners

Due to the complexity of disassembling your computer, it is not necessary to return your //c Senior PROM chip. In this case, cost of the upgrade is $15.00. If you wish to disassemble your computer and return the Senior PROM chip, the cost of the upgrade is $10.00. To take advantage of the $5.00 upgrade discount ($10.00 versus $15.00), please follow these instruction to remove your Senior PROM chip from your //c:
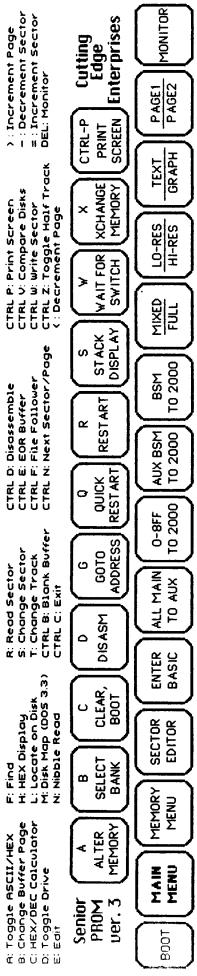
1) Follow steps 1 through 9 of the Senior PROM Documentation describing the installation of a //c Senior PROM (pages 7 and 8).

2) Using a small flat blade screw driver or a chip remover, remove the chip <u>furthest</u> from the keyboard labeled "2C, 2.01" from the Senior PROM board. Lift under the front of the chip and gently remove, being careful not to bend the chip's pins.

3) Locate your **original** Apple //c ROM that you removed when initially installing the Senior PROM.

4) **With the chip notch <u>towards</u> the //c volume control,** plug the original Apple //c ROM into the empty Senior PROM socket where you remove the Senior PROM chip from in step 2.

5) Reassemble the //c case by reversing the unsnaping procedure as described in the Senior PROM Documentation (page 8).

6) Wrap the ROM chip removed from the Senior PROM in **TIN FOIL** (or some other conductor), and package in a protective container suitable for mailing. Include in this package Cash, Check or Money Order for $10.00. **Send FIRST CLASS U.S. MAIL only!** U.P.S. deliveries will not be accepted. Version 3.0 //c upgrades will not be performed without sending the Senior PROM chip and $10.00 (or sending $15.00 without the Senior PROM chip) to:

> Cutting Edge Enterprises
> Box 43234 Ren Cen Station
> Detroit, MI 48243

A new Senior PROM chip (version 3.0) will be returned. Installation is the reverse order of the procedure described above, so save this document till your new Senior PROM chip is received.

Sector Editor Commands

A: Toggle ASCII/HEX	F: Find	R: Read Sector
B: Change Buffer Page	H: HEX Display	S: Change Sector
C: HEX/DEC Calculator	L: Locate on Disk	T: Change Track
D: Toggle Drive	M: Disk Map (DOS 3.3)	CTRL B: Blank Buffer
E: Edit	N: Nibble Read	CTRL C: Exit

CTRL D: Disassemble	CTRL P: Print Screen
CTRL E: EOR Buffer	CTRL V: Compare Disks
CTRL F: File Follower	CTRL W: Write Sector
CTRL N: Next Sector/Page	CTRL Z: Toggle Half Track
	< : Decrement Page

> : Increment Page
- : Decrement Sector
= : Increment Sector
DEL: Monitor

Senior PROM ver. 3

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BOOT

MAIN
MENU

MEMORY MENU | SECTOR EDITOR | ENTER BASIC | ALL MAIN TO AUX | 0-8FF TO 2000 | AUX BSM TO 2000 | BSM TO 2000 | MIXED/FULL | LO-RES/HI-RES | TEXT/GRAPH | PAGE1/PAGE2 | MONITOR

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Sector Editor Commands

A: Toggle ASCII/HEX   F: Find   R: Read Sector   CTRL P: Print Screen   > : Increment Page
B: Change Buffer Page   H: HEX Display   S: Change Sector   CTRL V: Compare Disks   - : Decrement Sector
C: HEX/DEC Calculator   L: Locate on Disk   T: Change Track   CTRL W: Write Sector   = : Increment Sector
D: Toggle Drive   M: Disk Map (DOS 3.3)   CTRL B: Blank Buffer   CTRL Z: Toggle Half Track   DEL: Monitor
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Senior PROM ver. 3

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BOOT												