

❖ **Note:** The program must be called HELLO.

```
10 REM Turnkey HELLO program
20 PRINT CHR$(4); "EXEC COPYM"
30 END
```

The turnkey startup disk will automatically run the EXEC file when booted.

### **Pascal 1.3 RAMdisk**

The Pascal 1.3 operating system automatically recognizes the RamFactor card, when installed in slot 4, 5, or 6, as a Pascal volume with the name RAMs, where s is the number of the slot containing the RamFactor card. Programs written under Pascal 1.1 or 1.2 are not compatible with RamFactor. Please contact your authorized Apple dealer for upgrade information.

This RAMdisk volume can be used and accessed just like any other Pascal 1.3 volume. To create a bootable Pascal RAMdisk, use the Pascal FILER to determine the volume number of the RAMdisk and format it using the FORMATTER program (APPLE 3). Then, using FILER again, copy SYSTEM.PASCAL and SYSTEM.APPLE to the RamFactor volume.

### **CP/AM 5.1 RAMdisk**

To use RamFactor or a RamFactor partition as a CP/AM RAMdisk, Applied Engineering's Z-80 Plus™ coprocessor card and the CP/AM 5.1 operating system are mandatory requirements. The previous version of the operating system, CP/AM 4.0B, will not recognize the RamFactor card.

All utility programs needed to create and use the RamFactor as a CP/AM RAMdisk are supplied on the CP/AM 5.1 System Master disk and full documentation is provided in the CP/AM 5.1 User's Guide. These products are included with the Z-80 Plus card and can be purchased separately from Applied Engineering.

## **APPENDIX B**

### **Testing the RamFactor**

❖ **Warning!** The RamFactor Diagnostic programs are destructive memory tests. They will erase anything stored in RamFactor memory.

There are actually two different tests included with your RamFactor. Use either RamFactor Memory Test to verify the basic operation and hardware reliability of the RamFactor card. If you encounter problems when running a program that you feel relate to RamFactor memory, these tests are a good first step in diagnosing the problem.

DO NOT attempt to repair your RamFactor card! It could void your warranty.

#### **Test on AW 2 Expander Disk**

One test the RamFactor is included on the AW 2 Expander disk. To run this test program:

- 1) Turn the computer off.
- 2) Insert the AW 2 Expander disk in your startup drive.
- 3) Turn the computer on.
- 4) When the main menu appears, select the "RamFactor Memory Test" option.
- 5) Select the appropriate option from the memory-test options menu.

If you hold the Open-Apple key (⌘) down momentarily while you select the memory test, it will execute a longer, more thorough memory test.

A graphic representation of the RamFactor will appear on the screen. The test indicates any defective RAM chips or empty RAM sockets with a "XX" in the corresponding chip location on the graphic display.

Checksum \$F9BC when Unformatted,  
After a test.