

Use FID to copy SPEEDOS onto your startup disks. Enable SPEEDOS by typing 'BRUN SPEEDOS' at the Applesoft prompt or from within a greeting program.

SPEEDOS modifies only the "image" of DOS 3.3 in memory; it does not modify DOS 3.3 on the disk. When you enable SPEEDOS, the INIT command is disabled. SPEEDOS will not allow RamDrive load or save files outside the memory range from \$200 to \$BFFF.

RamDrive Technical Information

We have included the following information for hard core programmers only. Don't blame us if your mind turns to mush after attempting to understand this section.

- ◇ After you enable the RamDrive, a PEEK(24590) statement will indicate the highest emulated drive number (0 - 5) available. A value of 0 in this location indicates the drive specification from the IOB to be ignored (1 drive). Together with the lowest emulated drive number found in location 24589, you can find out how many RamDrives you have available.
- ◇ A PEEK to location 24599 will return the number of 64K banks (0 to 15) used by RamDrive. This number may be less than the amount of memory on the RamWorks card if some banks have been locked out.
- ◇ You can find a list of specific banks used by RamDrive in memory locations 24600 to 24615. A value of 255 signifies no bank.
- ◇ Some DOS 3.3 enhancement programs and utilities may not work with RamDrive installed. Utilities which relocate DOS 3.3 into high memory will not work with RamDrive.
- ◇ Track 1 and track 17 map to the same memory. Unused sectors on the directory, track 17, are used in track 1.
- ◇ The RamDrive program loads into an area of memory starting at \$6000, which is freed after RamDrive is enabled. RamDrive uses memory from \$A581 to \$A59D, from \$AAB8 to \$AAC0, and overwrites the second through fifth bytes of the RWTS entry point routine at \$B7B5. If the highest emulated drive number is greater than 2, DOS 3.3 is patched at \$A9B5. When you use the INIT command, all patches to DOS 3.3 are removed, disabling the RamDrive.
- ◇ The RESET vector from page 3 points to a patch area above the RWTS in DOS 3.3. The purpose is to enable 64K bank 0, if it is not already, whenever you press the RESET key. Use care in changing the RESET vector after enabling RamDrive.
- ◇ After each disk access to RamDrive, the bank switched memory (\$D000 to \$DFFF in main memory) will be left in the following conditions:
 - RAM bank 2 will always be write enabled.

24589 = \$600D
24590 = \$600E

24599 = \$6017

24600 = \$6018