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FA34:72      577      DFB $72
FA35:72      578      DFB $72
FA36:88      579      DFB $88      ; (D) FORMAT
FA37:C8      580      DFB $C8
FA38:C4      581      DFB $C4
FA39:CA      582      DFB $CA
FA3A:26      583      DFB $26
FA3B:48      584      DFB $48
FA3C:44      585      DFB $44
FA3D:44      586      DFB $44
FA3E:A2      587      DFB $A2      ; (E) FORMAT
FA3F:C8      588      DFB $C8
FA40:         589 *
FA40:         C3FA 590 NEWIRQ EQU $C3FA ;new IRQ entry
FA40:         591 *
FA40:85 45    592 OLDIRQ STA $45 ;(should never be used)
FA42:A5 45    593 LDA $45 ;for those who save A to $45
FA44:4C FA C3 594 JMP NEWIRQ ;go to interrupt handler
FA47:         595 *
FA47:8D 06 C0 596 NEWBREAK STA SETSLOTXROM ;force in slots
FA4A:85 45    597 STA ACC ;save accumulator
FA4C:         598 *
FA4C:28      599 BREAK PLP
FA4D:20 4C FF 600 JSR SAVI ;SAVE REG'S ON BREAK
FA50:68      601 PLA ; INCLUDING PC
FA51:85 3A    602 STA PCL
FA53:68      603 PLA
FA54:85 3B    604 STA PCH
FA56:6C F0 03 605 JMP (BRKV) ;BRKV WRITTEN OVER BY DISK BOOT
FA59:         606 *
FA59:20 82 F8 607 OLDBRK JSR INSDSI ;PRINT USER PC
FA5C:20 DA FA 608 JSR RGDSP1 ; AND REGS
FA5F:4C 65 FF 609 JMP MON ;GO TO MONITOR (NO PASS GO, NO $200!)
FA62:D8      610 RESET CLD ;DO THIS FIRST THIS TIME
FA63:20 84 FE 611 JSR SETNORM
FA66:20 2F FB 612 JSR INIT
FA69:20 93 FE 613 JSR SETVID
FA6C:20 89 FE 614 JSR SETKBD
FA6F:AD 58 C0 615 INITAN LDA SETANO ; ANO = TTL LO
FA72:AD 5A C0 616 LDA SETANI ; ANI = TTL LO
FA75:A0 09    617 LDY #9 ;CODE=INIT/RRAO981
FA77:20 B4 FB 618 JSR GOTOCX ;DO APPLEZE INIT/RRAO981
FA7A:EA      619 NOP ;/RRAO981
FA7B:AD FF CF 620 LDA CLRROM ; TURN OFF EXTNSN ROM
FA7E:2C 10 C0 621 BIT KBDSTRB ; CLEAR KEYBOARD
FA81:D8      622 NEWMON CLD
FA82:20 3A FF 623 JSR BELL ; CAUSES DELAY IF KEY BOUNCES
FA85:AD F3 03 624 LDA SOFTEV+1 ; IS RESET HI
FA88:49 A5    625 EOR #$A5 ; A FUNNY COMPLEMENT OF THE
FA8A:CD F4 03 626 CMP PWREDUP ; PWR UP BYTE ???
FA8D:D0 17 FAA6 627 BNE PWRUP ; NO SO PWRUP
FA8F:AD F2 03 628 LDA SOFTEV ; YES SEE IF COLD START
FA92:D0 0F FAA3 629 BNE NOFIX ; HAS BEEN DONE YET?
FA94:A9 E0    630 LDA #$E0 ; DOES SOFT ENTRY VECTOR POINT AT BASIC?

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FA96:CD F3 03 631 CMP SOFTEV+1
FA99:D0 08 FAA3 632 BNE NOFIX ; YES SO REENTER SYSTEM
FA9B:A0 03    633 LDY #3 ; NO SO POINT AT WARM START
FA9D:8C F2 03 634 STY SOFTEV ; FOR NEXT RESET
FAA0:4C 00 E0 635 JMP BASIC ; AND DO THE COLD START
FAA3:6C F2 03 636 NOFIX JMP (SOFTEV) ; SOFT ENTRY VECTOR
FAA6:         637 *****
FAA6:20 60 FB 638 PWRUP JSR APPLEII
FAA9:         FAA9 639 SETPG3 EQU * ; SET PAGE 3 VECTORS
FAA9:A2 05    640 LDX #5
FAAB:BD FC FA 641 SETPLP LDA PWRCON-1,X ; WITH CNTRL B ADRS
FAAE:9D EF 03 642 STA BRKV-1,X ; OF CURRENT BASIC
FAB1:CA      643 DEX
FAB2:D0 F7 FAAB 644 BNE SETPLP
FAB4:A9 C8    645 LDA #$C8 ; LOAD HI SLOT +1
FAB6:86 00    646 STX LOCO ; SETPG3 MUST RETURN X=0
FAB8:85 01    647 STA LOCI ; SET PTR H
FABA:         648 *
FABA:         649 * Check 3 ID bytes instead of 4. Allows devices
FABA:         650 * other than Disk II's to be bootable.
FABA:         651 *
FABA:A0 05    652 SLOOP LDY #5 ;Y is byte ptr
FABC:C6 01    653 DEC LOCI
FABE:A5 01    654 LDA LOCI
FAC0:C9 C0    655 CMP #$C0 ; AT LAST SLOT YET?
FAC2:F0 D7 FA9B 656 BEQ FIXSEV ; YES AND IT CAN'T BE A DISK
FAC4:8D F8 07 657 STA MSLT
FAC7:B1 00    658 NXTBYT LDA (LOCO),Y ; FETCH A SLOT BYTE
FAC9:D9 01 FB 659 CMP DISKID-1,Y ; IS IT A DISK ??
FACC:D0 EC FABA 660 BNE SLOOP ; NO, SO NEXT SLOT DOWN
FACE:88      661 DEY
FACF:88      662 DEY ; YES, SO CHECK NEXT BYTE
FAD0:10 F5 FAC7 663 BPL NXTBYT ; UNTIL 3 BYTES CHECKED
FAD2:6C 00 00 664 JMP (LOCO) ; GO BOOT...
FAD5:         665 *
FAD5:EA      666 NOP
FAD6:EA      667 NOP
FAD7:         668 *
FAD7:20 8E FD 669 REGDSP JSR CROUT ;DISPLAY USER REG CONTENTS
FADA:A9 45    670 RGDSP1 LDA #$45 ;WITH LABELS
FADC:85 40    671 STA A3L
FADE:A9 00    672 LDA #$00
FAE0:85 41    673 STA A3H
FAE2:A2 FB    674 LDX #$FB
FAE4:A9 A0    675 RDSP1 LDA #$A0
FAE6:20 ED FD 676 JSR COUT
FAE9:BD 1E FA 677 LDA RTBL-251,X
FAEC:20 ED FD 678 JSR COUT
FAEF:A9 BD    679 LDA #$BD
FAF1:20 ED FD 680 JSR COUT
FAF4:B5 4A    681 LDA ACC+5,X
FAF6:20 DA FD 682 JSR PRBYTE
FAF9:E8      683 INX
FAFA:30 E8 FAE4 684 BMI RDSP1

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