

OS - Page 5 COPY SECTORS overlay

Step	Instruction	Address	Comment	Octal	Step
00	*ENTRY			← BA →	00
01	LDA	1000			01
02	INCA				02
03	STA	Z 0156	Return Address, level 1.		03
04	LDA	I 1000	= P ₁		04
05	JSBR	Z 1630	Resolve		05
06	STA	Z 0177	→ Parameter Block		06
07	LDA	I2 0177	= Master Disc No.		07
10	ANDA	Z 1752	Bottom Byte		10
11	IORA	Z 0344	004000 (8 sectors)		11
12	STA	1171			12
13	INSZ	Z 0177			13
14	LDA	I2 0177	= Start Sector No., Master Disc		14
15	STA	1173			15
16	INSZ	Z 0177			16
17	LDA	I2 0177	= Copy Disc No.		17
20	CHB				20
21	APos		Privileged Write?		21
22	LDB	Z 0323	Bit 9 Yes.		22
23	STB	1174	Options for Write to Copy		23
24	ANDA	Z 1752	Bottom Byte		24
25	IORA	1167	204000 (Write 8 sectors)		25
26	STA	1175			26
27	INSZ	Z 0177			27
30	LDA	I2 0177	= Start Sector No., Copy Disc		30
31	STA	1177			31
32	INSZ	Z 0177			32
33	LDA	I2 0177	→ Buffer (1H)		33
34	JSBR	Z 1630	Readup		34
35	STA	1172			35
36	STA	1176			36
37	INSZ	Z 0177			37
40	LDA	I2 0177	= No. of Sectors		40
41	STA	1165	Sector Count		41
42	LDA	Z 0210	CF8		42
43	STA	1164	Transfer Count		43
44	LDA	1165	Sector Count	*NEXT TRANSFER	44
45	CMPA	Z 0207	CF7		45
46	Noop				46
47	SKNGT				47
50	JUMP	1064	Full 8-sectors transfer		50
51	STA	1164	Transfer Count		51
52	SWAPA				52
53	STA	Z 0177	Save		53
54	LDA	1171	} Disc's Previous No. of Sectors		54
55	ANDA	1166			55
56	IORA	Z 0177			56
57	STA	1171			57
60	LDA	1175			60
61	ANDA	1166			61
62	IORA	Z 0177			62
63	STA	1175			63
64	JSBR	I2 1707	Duplicate to verify.		64
65	P ₁ = 3170 -				65
66	P ₂ = 0/0142				66
67	P ₃ = 4 words				67
70	JSBR	I2 1623	LOAD Q (READ MASTER)		70
71	JSBR	1131	Hash-Scan		71
72	STA	Z 0146	Save Hash-Scan		72
73	JSBR	I2 1707	Duplicate		73
74	P ₁ = 3174 -				74
75	P ₂ = 0/0142				75
76	P ₃ = 4 words				76
77	JSBR	I2 1623	LOAD Q (WRITE COPY)		77

