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362
363 *****
364 *
365 * -5- COMMAND
366 * DISK BOOTSTRAP
367 * 5 OR 8" DMAF2 - 5" MFB
368 *
369 *****
370 * EQUATES FOR WD 1795 AND DMA
371
372 EB20 STAREG EQU $EB20
373 EB21 TRKREG EQU $EB21
374 EB22 SECREG EQU $EB22
375 EB23 DATREG EQU $EB23
376 EB24 DRVREG EQU $EB24
377 EB00 DMAADD EQU $EB00
378 EB02 DMACON EQU $EB02
379 EB10 DMACOM EQU $EB10
380 EB14 DMAPRI EQU $EB14
381 A100 LOADER EQU $A100
382
383 * EQUATES FOR WD 1791
384
385 EB80 DRVR91 EQU $EB80
386 EB8F COMR91 EQU $EB8F
387 EB8F2 SECR91 EQU $EB8F2
388 EB8F3 DATR91 EQU $EB8F3
389
390 * PROGRAM STARTS HERE
391
392 F50C 0E 01 DKBOOT LDA A £401
393 F50E 87 EB 22 STA A SECREG
394 F5D1 8D 69 BSR DEL1
395 F5D3 81 EB 22 CMP A SECREG TEST IF DMAF2 PRESENT
396 F5D6 26 67 BNE MFSOOT IF NOT BOOT ON MFB
397
398 F5D8 06 BF DMABOT LDA B £4BF
399 F5DA F7 EB 24 STA B DRVREG SELECT DRIVE
400 F5DD 8D 4C BSR READY TEST READY
401 F5DF 27 0E BEQ SBOOT IF READY CONTINUE
402 F5E1 06 7F LDA B £47F SELECT 5"
403 F5E3 F7 EB 24 STA B DRVREG
404 F5E6 8D 49 BSR ONESEC ONE SECOND DELAY
405 F5E8 8D 41 BSR READY TEST READY
406 F5EA 27 03 BEQ SBOOT IF READY CONTINUE
407 F5EC 7E FD 12 JMP CONTRL
408 F5EF 85 39 SBOOT LDA A £9
409 F5F1 87 EB 20 STA A STAREG SEND RESTOR COMMAND
410 F5F4 8D 44 BSR DELAY
411 F5FE 8D 2D BSR TEST WAIT TILL NOT BUSY
412 F5FS 0E FE FF LDX £$FEFF

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413	F5FB FF EB 02		STX	DMACON	SET BUFFER LENGTH
414	F5FE CE 5E FF		LDX	£\$EFF	
415	F601 FF EB 00		STX	DMAADD	SET BUFFER ADDRESS
416	F604 86 FD		LDA A	£\$FD	
417	F606 B7 EB 10		STA A	DMACON	
418	F609 86 FE		LDA A	£\$FE	
419	F60B B7 EB 14		STA A	DMAPRI	
420	F60E 86 BC		LDA A	£\$BC	
421	F610 B7 EB 20		STA A	STAREG	SEND READ COMMAND
422	F613 FE EB 02	WAIT	LDX	DMACON	
423	F616 BC FE FF		CPX	£\$FEFF	
424	F619 27 F0		BEQ	WAIT	WAIT TIL DMA OP. FINISHED
425	F61B 86 FF		LDA A	£\$FF	RESET DMA
426	F61D B7 EB 14		STA A	DMAPRI	
427	F620 8D 03		BSR	TEST	
428	F622 7E A1 00	GLOAD	JMP	LOADER	GOTO LOADER
429	F625 8D 04	TEST	BSR	READY	GET STATUS
430	F627 47		ASR A		
431	F628 25 FB		BCS	TEST	WAIT TIL NOT BUSY
432	F62A 39		RTS		
433	F62B 06 EB 20	READY	LDA A	STAREG	GET WD STATUS
434	F62E 05 00		BIT A	£\$00	
435	F630 39		RTS		
436					
437	F631 CE 00 00	ONESEC	LDX	£0	ONE SECOND DELAY
438	F634 02	D15	INX		
439	F635 09		DEX		
440	F636 09		DEX		
441	F637 26 FB		BNE	D15	
442	F639 39		RTS		
443					
444	F63A 8D 00	DELAY	BSR	DEL1	
445	F63C 8D 00	DEL1	BSR	RTN	
446	F63E 39	RTN	RTS		
447					