DOS SUPPORT PROGRAM (WEDGE)

LOAD"DOS WEDGE",8	LOAD wedge program
/ programname	LOAD program
@	Display ERROR channel
@$	Display DIRECTORY
	RUN/STOP = aborts
	SPACE BAR = stops/starts
@#n	Change disk DEVICE to n
@ command	SEND command
@Q	DISABLE wedge
SYS52224	REACTIVATE wedge

DIRECTORY

LOAD"$",8	LOAD total directory into memory
LOAD"$:A*",8	LOAD only names beginning with A
LOAD"$:*=S",8	LOAD only SEQUENTIAL entries
LOAD"$:*=P",8	LOAD only PROGRAM entries
LOAD"$:*=U",8	LOAD only USER entries
LOAD"$:*=R",8	LOAD only RELATIVE entries
OPEN5,8,5,"$"	OPEN directory for sequential read
	(use GET#5 to retrieve data)

LOADING PROGRAMS

LOAD"programname",8	LOAD programname (BASIC)
LOAD"programname",8,1	LOAD programname (MACH. LANG.)
LOAD"*",8	LOAD FIRST program (or reload)
LOAD"G*",8	LOAD first program starting with G
LOAD"M?P",8	LOAD first program starting with M and ending with P

SAVING PROGRAMS

SAVE"programname",8	SAVE program
SAVE"@:programname",8	REPLACE program
VERIFY"programname",8	COMPARE program to memory

SEQUENTIAL FILES

OPEN2,8,2,"filename,S,R"	OPEN file for READ
OPEN2,8,2,"filename,S,W"	Open file for WRITE
OPEN2,8,2,"@:filename,S,W"	OPEN file for RE-WRITE
OPEN2,8,2,"filename,S,A"	OPEN file for APPEND
OPEN2,8,2,"filename,S,M"	OPEN file for EMERGENCY (read improperly closed file)
GET#2,C$	INPUT one CHARACTER
INPUT#2,A$	INPUT a STRING
INPUT#2,ABC$	INPUT 3 STRINGS
INPUT#2,B	INPUT real NUMBER
INPUT#2,I%	INPUT integer NUMBER
PRINT#2,"ABC"	OUTPUT string ABC end with RETURN
PRINT#2,"ABC";	OUTPUT string ABC
PRINT#2,123	OUTPUT number 123 end with RETURN
PRINT#2,ACHR(13)B$	OUTPUT strings separated by RETURN
CLOSE2	CLOSE open file

CHANGING DISK DEVICE NUMBER (8 to 9)

```
OPEN 15,8,15,"M-W"
CHR$(119)CHR$(0)
CHR$(2)CHR$(9+32)
CHR$(9+64):
CLOSE15
```

READING ERROR CHANNEL

```
10  OPEN15,8,15
20  INPUT#15,A$,B$,C$,D$
30  PRINTA$,B$,C$,D$
```

MISCELLANEOUS

OPEN15,8,15	OPEN for commands
PRINT#15,"N:diskname,ID"	FORMAT (NEW) DISK
PRINT#15,"S:filename"	SCRATCH (delete) file
PRINT#15,"C:newfilename=oldfilename"	COPY a file
PRINT#15,"R:newfilename=oldfilename"	RENAME a file
PRINT#15,"V"	VALIDATE disk
PRINT#15,"I"	INITIALIZE disk
(Initialize whenever disk is exchanged with another with same ID)	
CLOSE15	

RANDOM FILES

OPEN5,8,5,"#"	OPEN data channel
OPEN5,8,5,"#2"	OPEN data channel 2
PRINT#15,"B-R:"channel;drive;track;block"	BLOCK READ
PRINT#15,"B-W:"channel;drive;track;block"	BLOCK WRITE
PRINT#15,"B-A:"channel;drive;track;block"	BLOCK ALLOCATE
PRINT#15,"B-F:"channel;drive;track;block"	BLOCK FREE
PRINT#15,"U1:"channel;drive;track;block"	READ BLOCK to channel
PRINT#15,"U2:"channel;drive;track;block"	WRITE BLOCK to channel
PRINT#15,"B-P:"channel;location"	POSITION POINTER

NOTE: NEVER validate a disk with random access files

DISK CONTROLLER COMMANDS

PRINT#15,"M-R "CHR$(a1)CHR$(a2)	READ disk controller memory
PRINT#15,"M-W "CHR$(a1)CHR$(a2);CHR$(#chrs)	WRITE disk controller memory
PRINT#15,"M-E "CHR$(a1)CHR$(a2)	EXECUTE code in controller
PRINT#15,"B-E:"channel,0,track,sector	LOAD and EXECUTE program

RELATIVE FILES

OPEN2,8,3,"filename,L,"+CHR$(n)	CREATE file with n records
OPEN2,8,3,"filename,L,"+CHR$(n+e)	EXTEND file e records
OPEN2,8,3,"filename"	OPEN for READ & WRITE
PRINT#2,"P "CHR$(3)CHR$(r1)CHR$(r2)	POSITION to RECORD (r1-lo, r-2-high)
PRINT#2,"P "CHR$(3)CHR$(r1)CHR$(r2)CHR$(p)	POSITION p to CHARACTER within record

LC 1VS-DI1

DISK - 1541

ERROR MESSAGES

0	OK, no error exists	39	SYNTAX ERROR — Invalid command — command pike not found
1	OK, response to scratched files	50	RECORD NOT PRESENT
2-19	Unused error messages	51	OVERFLOW IN RECORD
20	READ ERROR — Block header not found	52	FILE TOO LARGE
21	READ ERROR — Sync character not found	60	WRITE FILE OPEN
22	READ ERROR — Data block not present	61	FILE NOT OPEN
23	READ ERROR — Checksum error in data block	62	FILE NOT FOUND
24	READ ERROR — Byte decoding error	63	FILE EXISTS
25	WRITE ERROR — Write-verify error	64	FILE TYPE MISMATCH
26	WRITE PROTECT ON	65	NO BLOCK
27	READ ERROR — Checksum error in header	66	ILLEGAL TRACK OR SECTOR
28	WRITE ERROR — Long data block	67	ILLEGAL SYSTEM TRACK OR SECTOR
29	DISK ID MISMATCH	70	NO CHANNEL available
30	SYNTAX ERROR — General syntax	71	DIRECTORY ERROR
31	SYNTAX ERROR — Invalid command	72	DISK FULL
32	SYNTAX ERROR — Command too long	73	DOS MISMATCH
33	SYNTAX ERROR — Invalid file name	74	DRIVE NOT READY
34	SYNTAX ERROR — No file name given		

CHEATSHEET PRODUCTS™

HTTP://WWW.C64COPYPROTECTION.COM/