



# Tech Info Library

## Applesoft: Internals--Error Processor Routines

ERROR                   D412

Checks ERRFLG and jumps to HNDLERR if ONERR is active. Otherwise it prints <cr> "?" <error message pointed to by X> "ERROR". If this is during program execution then it also prints " IN " and the CURLIN.

HANDLERR                F2E9

Saves CURLIN in ERRLIN, TXTPTR in ERRPOS, X in ERRNUM, and REMSTK in ERRSTK. X contains the error code. See the Applesoft Reference Manual page 136 for the value of X for a given error.

RESUME                  F317

Restores CURLIN from ERRLIN and TXTPTR from ERRPOS and transfers ERRSTK into the 6502 stack pointer.

ISCNTC                  D858

Checks the Apple keyboard for a CTRL-C (\$83). Executes the BREAK routine if there is a CTRL-C.

CHKNUM                  DD6A

Make sure FAC is numeric. See CHKVAL.

CHKSTR                  DD6C

Make sure FAC is a string. See CHKVAL.

CHKVAL                  DD6D

Takes the result of the most recent FAC operation and check this result for a string or numeric variable. A TYPE MISMATCH ERROR results if FAC and C don't agree.

On entry:

C set checks for strings

C clear checks for numerics.

ERRDIR                  E306

Causes ILLEGAL DIRECT ERROR if the program isn't running. X is modified.

ISLETC                  E07D

Checks A for an ASCII letter ("A" to "Z"). On exit C set if A is a letter.

PARCHK                  DEB2

Checks for "(", evaluates a formula, and checks for ")". Uses CHKOPN and FRMEVL then falls into CHKCLS.

CHKCLS            DEB8  
Checks at TFTPTR for ")". Uses SYNCHR.

CHKOPN           DEBB  
Checks at TFTPTR for "( ". Uses SYNCHR.

CHKCOM           DEBE  
Checks at TFTPTR for ", ". Uses SYNCHR.

SYNCHR           DECO  
Checks at TFTPTR for the character in A. TFTPTR is not modified. Normally  
exits through CHRGET. Exits with SYNTAX ERROR if they don't match.  
Apple Tech Notes

Keywords: <None>

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This information is from the Apple Technical Information Library.

19960215 11:05:19.00

Tech Info Library Article Number: 82