

## FAIL

This routine is accessed whenever a failure occurs which doesn't make continuation impossible, N.B. If the stack Pointer moves beyond the beginning of the stack this is considered impossible and the program jumps straight to ENDPRO. In general, the action taken is to throw away the remainder of the statement.

First the error message is printed which gives the error number, line number, line stored in INBUF and a pointer which shows which is the offending character (except in the case of an illegal character when the whole buffer is inspected and illegal characters replaced by ? or ← (westrex). The error count is incremented and the program terminates if it reaches 20. The option is inspected and set to checking mode, followed by a pause in the 'halt on error' condition. It is here that a return is then made to NCLAPS if an unallocated label has been found, otherwise the stack is cleared back to a begin, and the global variables are reset.

The current delimiter is then inspected. If not a ;, end or begin, the next ALGOL section is brought in to replace it, and this is repeated until one of these delimiters occurs. FAIL then exits to either the routine BEGIN, or internally to END or SEMICO unless the text is found to be inside a procedure Heading when the rest of the heading is discarded before processing.