Eric Randau

For action,

Inter-Office
Correspondence

Date: May 7, 1981

To: J. Lederrey

cc: B. Ferguson

From: J. Glaser/L. Zacharias   Mail Drop: 56Z

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Subj: EXORset Pascal

Because of the extensive delays in obtaining a production release of EXORset
Pascal from MUC, a critical customer situation has developed at Simmons
Precision and is about ready to explode.

We can alleviate this problem by providing the customer with a field test
release of EXORset Pascal. Although there is a known problem, we understand
that the M6809 MDOS Pascal does execute on an EXORset. Would you please
provide a copy of M6809 MDOS Pascal on an XDOS diskette for release as a
field test to Simmons Precision?

Jay Glaser

L. Zacharias

JG:mb

THESE DISKS CONTAIN THE EXORCISER PASCAL COMPILER.
BECAUSE THE EXORCISER PASCAL WAS COPIED DIRECTLY (WITH NO
CHANGES) TO MINI DISK, THE PASCAL IS NOT IDENTIFIED AS
A FIELD TEST RELEASE. ALSO BECAUSE OF THE PROBLEMS
ALREADY IDENTIFIED, BY DAVID MOSKEY, IN THIS APPLICATION IT
IS UNCLEAR WHETHER THIS "FIELD TEST" PASCAL WILL BEAR
ANY RESEMBLANCE TO THE PASCAL FOR EXORSET WHICH WILL
EVENTUALLY BE RELEASED.

Eric 5/19/81

Lee:

The note below is from Eric. It is
the only known restriction when running
MDOS Pascal on EXORset under XDOS

Bob-FYI

PASCAL PROBLEMS
COMPILER
— Apparently only one file
may be associated with the
console (for I/O). Opening
a second file to the console
does not cause the program
to abort, however, when I/O
is attempted unpredictable
results occur including — (a) writing
of control characters, (b) failing
to receive the entered input.
— Alternately, allows only
input or only output to console —
may not mix input and output files.

9-9-80

M6809 PASCAL COMPILER ON EXORSET 30 - version 1.00

The M6809 resident Pascal compiler is released on the EXORset 30. Its
operation is fully described in the M6809 resident Pascal compiler User's
guide M6809PASC(D1). The compiler is provided on three mini-diskettes and
consists of the following:
```
    (i)    NEWS.SA        This news letter
           PAS09.CM       Pascal compiler phase I
    (ii)   PAS092.CM      Pascal compiler phase II
    (iii)  PAS09LB.RO     Pascal runtime library
           RLOAD.CM       Linking Loader
```

The Pascal compiler requires 56K bytes of RAM in which to run so that a
standard EXORset 30 (with 48K bytes of RAM) must be fitted with an additional
8K byte RAM module (see the note 'Implementing micromodules in the EXORset 30'
available upon request from your local Motorola Sales office).

The NDOS chain files PASCAL.CF and PLOAD.CF shown in the User's Guide are
not useable with the XDOS CHAIN command. An example of a typical compile and
link sequence is given below:

```
                                   (place XDOS diskette containing
.XDOS                              PAS09.CM in drive 0 and boot XDOS)
XDOS 03.01
=PAS09 TEST.SA:1,TEST.PC:1,#LP;L        (source Pascal program in drive 1)
  MOTOROLA PASCAL COMPILER PHASE ONE  1.10
  COPYRIGHT BY MOTOROLA 1980


  **** NO ERROR(S) DETECTED IN COMPILATION ****
=PAS092 TEST.PC:1,TEST.RO:1             (remove compiler phase I diskette
M6809 PASCAL COMPILER PHASE TWO   1.00   from drive 0 and replace with
COPYRIGHT BY MOTOROLA 1980               diskette containing PAS092.CM)

  CODE GENERATOR PRODUCED 010D BYTES OF CODE.
  NO ERRORS DETECTED.
=RLOAD                             (remove compiler phase II diskette
XDOS LINKING LOADER, REV 03.00       from drive 0 and replace with
COPYRIGHT BY MOTOROLA 1977           diskette containing RLOAD.CM and
?IF=TEMP                             PAS09LB.RO)
?DEF:.PLOW=$2000
?DEF:.DLOW=$9000                   (see the M6809 Pascal Interpreter
?DEF:.DHIGH=$BFFF                    User's Guide for an explanation
?DEF:.SIZE=0                         of user defined external symbols)
?STRP=.PLOW
?STRD=.DLOW
?LOAD=TEST:1
?LIB=PAS09LB                       (Pascal runtime library PAS09LB.RO
?OBJA=TEST.CM:1                      in drive 0)
?MO=#LP
?MAPF
?EXIT
=
```

---EOF---