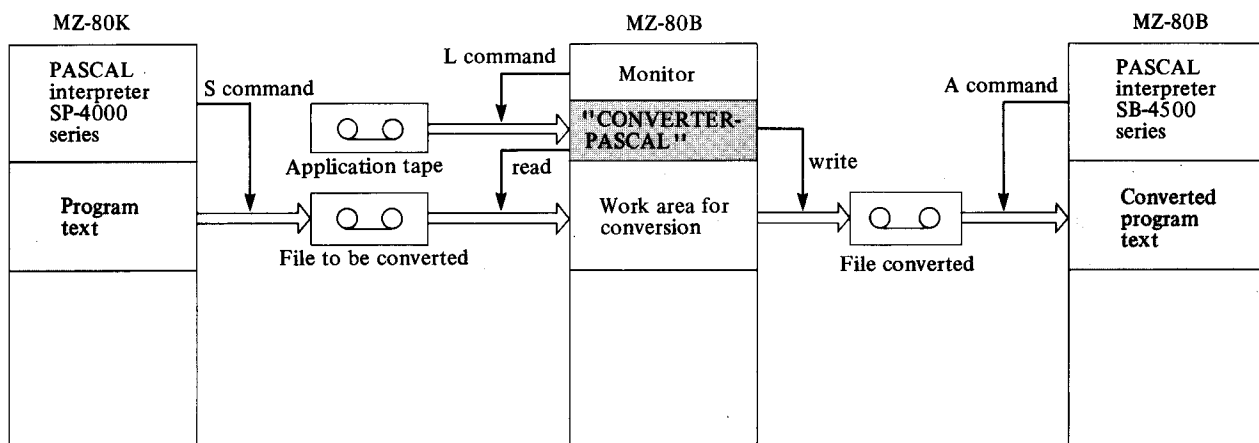# Function and Use of Text Converter "CONVERTER-PASCAL"

This reference card describes function and use of a PASCAL utility program "CONVERTER-PASCAL".

Text converter "CONVERTER-PASCAL" converts program text files (cassette tape files) generated by the SP-4000 series PASCAL interpreter for the MZ-80K into program text files which can be used under the SB-4500 series PASCAL interpreter for the MZ-80B. The text converter is recorded on the application program tape following the four sample programs, and is assigned the file name "CONVERTER-PASCAL".

This text converter must be used when a program generated by the SP-4000 series interpreter is to be run under the SB-4500 series interpreter, since the intermediate code system and recording format differ between the two interpreters.

Function of Text Converter "CONVERTER-PASCAL"

Converted program cannot always be executed without error because the function of the SB-4500 series interpreter are somewhat different from those of the SP-4000 series interpreter (syntax rules and character set). In particular, the program may run without control if a CALL statement is used in the converted program because of different CALL conditions.

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■ Use

The text converter operates under control of Monitor SB-1511. Therefore, PASCAL interpreter SB-4515 must be activated first, then control must be transferred to Monitor SB-1511 by a Q/ command. Next, the text converter is loaded using monitor command L with file name "CONVERTER-PASCAL" assigned.

>   ✳ L
>   File name : CONVERTER-PASCAL

The system then locates the text converter (in the fast forward mode) and loads it. After loading, control is transferred to the text converter and the following is displayed.

>   ✳✳✳Converter (Pascal) ✳✳✳
>   C) onvert   M) onitor   B) oot   ? ▩

The text converter requests the operator to select one of three commands: C, M and B.

>   C – – – Convert   :   Reads a PASCAL program text file generated by the SP-4000 series interpreter and converts it into a PASCAL program text file which can be used under the SB-4500 series interpreter.
>   M – – – Monitor   :   Transfers control to the monitor.
>   B – – – Boot   :   Transfers control to IPL.

When the C key is pressed, the display changes to :

>   Set MZ-80C/K tape
>   Press R key : ▩

When this appears, set the cassette tape on which the program to be converted is recorded in the cassette deck and press the R key. When

>   File name ? ▩

is displayed, enter the file name from the keyboard. If no file name is specified, the first file encountered is read.

Conversion starts immediately after loading and the following is displayed when conversion is finished.

>   Set new tape
>   Push W key : ▩

Set the cassette tape on which the converted file is to be stored in the cassette deck and press the W key. Then,

>   Same name ? (Y/N) ▩

is displayed. Press the Y key to assign the same file name specified previously. To assign a new file name, press the N key. Then,

>   File name: ▩

is displayed. Enter the new file name.

After the converted file is recorded on cassette tape, the following indication appears.

>   R) ead   W) rite   V) erify   M) onitor

Press the W key to write the same file again. Press the V key to compare the recorded contents with the memory contents. When the R key is pressed, the memory is cleared and another PASCAL program file for the MZ-80K is read into memory for conversion.