SPECIAL PRODUCTS
INFORMATION SHEET

WANG

MODEL 9072/9072-1
LEGAL CHARACTER BAND

DTS'S
Bm'S
FYI
MC.

A. INTRODUCTION

The Special Products Models 9072 and 9072-1 are Legal Character Bands that replace the standard character bands on 600 LPM 5574 and 300 LPM 5573 printers, respectively. This information sheet explains the differences between a standard character band and a legal character band, and provides the procedure for installing the Legal Image PROM and the necessary software for both OIS and VS Systems.

B. DESCRIPTION

Model 9072 and Model 9072-1 consist of a Legal Character Band with section (§), paragraph (¶), cent (¢), and degree (°) symbols, replacing the less than (<), greater than (>), up arrow (↑), and tilde (~) symbols, respectively, found on a standard character band. The 9072 is installed into a 600 LPM 5574 printer, and the 9072-1 is installed into a 300 LPM 5573 printer. In all, 4 character changes are made on a 96-character band. The following printout illustrates these changes:

```
! " # $ % & ' ( ) * + , - . /        ! " # $ % & ` ( ) * + , - . /

0 1 2 3 4 5 6 7 8 9 : ; ◁ = ▷ ?       0 1 2 3 4 5 6 7 8 9 : ; § = ¶ ?

@ A B C D E F G H I J K L M N O       @ A B C D E F G H I J K L M N O

P Q R S T U V W X Y Z [ \ ] ⌃ _       P Q R S T U V W X Y Z [ \ ] ⊙ _

` a b c d e f g h i j k l m n o       ` a b c d e f g h i j k l m n o

p q r s t u v w x y z { | } ◷          p q r s t u v w x y z { | } ¢
```

Standard Band Characters   Legal Band Characters

C. BILL OF MATERIALS

One Legal Character Print Band (part number 190-0312 or 190-1312-1)
One Legal Image PROM (WLI number 725-2600)
Archive Diskette (contains glossary document number 9950 and test document number 9000A)
DOS Volume Diskette (contains character translation tables)

D. PRINT BAND INSTALLATION

To install the legal character print band, follow the ribbon installation/removal procedure outlined in the Customer Engineering reprints of the Data Printer Maintenance Guide (729-0433) or the 300 LPM Line Printer Maintenance Guide (729-0432). You should thoroughly read and understand these procedures before beginning the installation.

E. PROM INSTALLATION

Three memory locations -- MEM6, MEM7, and MEM8 -- of the 3780 processor PC board are dedicated for inserting band image PROMs for additional character bands. A minimum of one band image PROM is required for printer operation. You must install the Legal Image PROM into one of these three memory locations. Before you install the PROM, make sure that the power switch is OFF and the AC power cord is unplugged. Then follow this procedure:

1. Remove the printer cover and the PC board cover (refer to Data Products Manual).
2. Locate the 3780 processor PC board (it is the fifth PC board from the front of the printer).
3. Locate the memory locations labelled MEM6, MEM7, and MEM8 on the PC board.
4. Install the Legal PROM into any available MEM location.
5. Replace the printer and PC board covers.

NOTE: You DO NOT have to remove the standard (original) band PROMS.

F. SOFTWARE INSTALLATION FOR OIS

Glossary Diskette

You must attach the glossary (document number 9950 contained on the archive diskette) to the OIS, so that the section (§), degree (°), and paragraph (¶) symbols can be accessed and displayed on the screen by pressing the GL (glossary) key. The cent (¢) symbol can be accessed from the keyboard.

Printer Translation Table

A special printer translation table is required for printing legal characters. Use the following procedure to copy the special table onto the system disk:

1. To mount the DOS volume diskette into the diskette drive, select the "Control Functions" utility from the main system menu. From the Control Functions menu, select "Disk Control." The volume name of the diskette is shown as "LEGAL." Under "Operation," select the "Mount/dismount" option.

2. Next, copy the original system printer translation files (PRINT.TRANS.0) to the diskette for backup purposes. Use the following procedure:

   a. Select "File Utilities" from the main system menu. Then select "Single File Copy" from the File Utilities menu.

   b. Copy all VOL1:PRINT.TRANS.0 files to the diskette. Do this by entering the following underlined information:

   ```
   Input File Name:   voll(or PASSWORD)=VOL1:PRINT.TRANS.0

   Files has 0000D2 Sectors      Copy ALL




   Output File Name:   LEGAL:PRINT.TRANS.2
                                          Create
   ```

   c. After you have selected and executed the above, the printer files are copied to the diskette, which shows 0000D2 sectors.

3. Now, transfer the legal printer translation table to the system disk by following this procedure:

   a. Once again, select "Single File Copy" from the File Utilities menu.

   b. Enter the following underlined information:

   ```
   Input file name:   LEGAL:PRINT.TRANS.1

   File has 000002 Sectors         Copy:PART
   Starting sector 000000     Ending sector 000001


   Output file name: voll(or PASSWORD)=VOL1:PRINT.TRANS.0
   Files has 0000D2 Sectors
   Without File Prologue sectors     OVERWRITE

                                 Starting Sector 00002A
   ```

   c. After you have selected and executed the above, the screen shows that two sectors have been copied. The PRINT.TRANS.0 files of the system disk now have the correct codes for the legal printer.

G. SOFTWARE INSTALLATION FOR VS SYSTEMS

In order to access the legal characters on a VS System, the appropriate HEX Codes have to be generated. These codes are:

HEX	CHARACTER ON SCREEN	CHARACTERS ON PRINTER
3C	<	§
3E	>	¶
5E	↑	•
7E	ç	¢

H. DIAGNOSTIC

Use the Printer Off-Line Self Test to verify the printout for the legal characters.