CASIO FA-100

OWNER'S MANUAL

MANUAL DEL PROPIETARIO

操作説明書

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CASIO®

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English

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Introduction

The FA-100 interface unit makes it easier to manage data input, output, and editing for the Casio SF-7000/7500/8000 (SF Series). The SFD TOOL software included with the FA-100 gives you many of the data handling capabilities of the Casio SF Series on an IBM PC/AT or PS/2.

- Telephone Directory
- Business Card Library
- Schedule Keeper
- Memo Function
- Calendar Display
- Secret Memory Area
- Data Communications

Using the FA-100 and its SFD TOOL software, you can enter and manage your data using the larger IBM software, and then take it along with you in your SF Series unit.

About this manual

All of the instructions contained in this manual assume that you are familiar with the basic operation of your personal computer, and with the SF Series. In fact, most of the procedures are covered by simply telling you the SFD TOOL operations to perform specific tasks, without providing details about the procedure. This is because all of the details you need can be found in your SF Series Owner's Manual. Details are included in this manual only when SFD TOOL operations are different from SF Series operations.

Part 1 of this manual is very important because it tells you everything you need to know to start with the SFD TOOL software and FA-100 Interface Unit. It details the CONFIG.SYS file that you must create, as well as how to install SFD TOOL.

Part 2 starts out with some general advice on basic SFD TOOL operation. You will learn the fundamentals of starting up SFD TOOL, how to enter special characters and symbols, how to change data files, and how to exit the application. You will also learn about how to perform many SF Series functions on your personal computer.

Part 3 details data communications between your personal computer and SF Series unit. It covers everything from parameter settings to specific send and receive procedures, as well as printing operations.

Part 4 of this manual teaches you how to convert ASCII text files to SFD data files and vice versa, using Lotus 1-2-3 files as an example.

The **Technical Appendix** at the end of this manual includes detailed technical information that will serve you as a reference during operations.

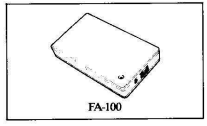
PART 1 GETTING READY

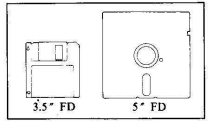
1. Precautions

- Before you begin using the SFD TOOL software, be sure to make at least one backup copy of the disk. Store the original disk and never make any changes to it.
- This Interface Unit contains precision electronic components. Avoid exposure to temperature extremes, humidity or dust.
- The power indicator of the Interface Unit will not light when battery power becomes weak. In such a case, replace batteries immediately.

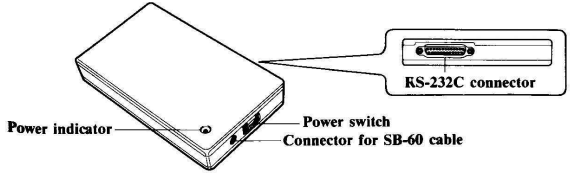
2. Unpacking

When you unpack your Interface Unit, the items illustrated below should all be included. Any item included with the FA-100 Interface Unit is referred to as an ***accessory*** in this manual. If any of the accessory items are missing when you unpack your Interface Unit, immediately contact the dealer from whom you purchased it.





3. General Guide

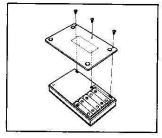


4. About the FA-100 power supply

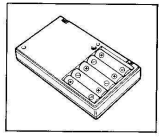
The FA-100 is powered by five AA-size (UM-3 or R6P (SUM-3)) batteries. If the power indicator fails to light when you switch on the power of the Interface Unit, it means that battery power is weak and that the batteries should be replaced.

5. To replace batteries

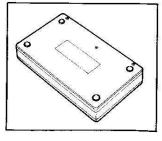
1. Ensure that the power of the Interface Unit is OFF.
2. Remove the three screws that hold the back cover of the Interface Unit in place.
3. Remove the back cover.



4. Remove the old batteries from the battery compartment.
5. Install a full set of five new batteries, ensuring that their positive (+) and negative (−) poles are facing in the proper directions.



6. Replace the back cover of the Interface Unit, and secure it in place with the three screws.



Precautions

Incorrectly using batteries can cause them to burst or leak, possibly damaging the interior of the unit. Note the following precautions:

- Be sure that the positive (+) and negative (−) poles of each battery are facing in the proper direction.
- Never mix batteries of different types.
- Never leave dead batteries in the battery compartment.
- Remove the batteries if you do not plan to use the unit for long periods.
- Replace the batteries at least once every 2 years, no matter how much the unit is used during that period.
- Never try to recharge the batteries supplied with the unit.
- Do not expose batteries to direct heat, let them become shorted, or try to take them apart.
- Should a battery leak, clean out the battery compartment of the unit immediately, taking care to avoid letting the battery fluid come into direct contact with your skin.

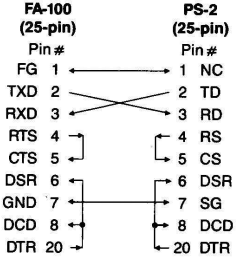
6. What you need...

The following items are required to allow your SF Series — computer hookup to work at the level of performance for which it was designed. Note that the mouse and printer are optional, and are not essential to basic operation.

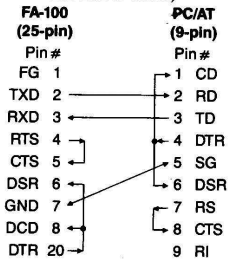
- FA-100 Interface Unit
- SFD TOOL disk, with files SFD.EXE and SFDINST.EXE
- SF Series unit
- SB-60 cable
- Mouse and mouse driver (commercially available IBM or Microsoft brand)
- EPSON LX-800 printer (commercially available)
- Personal Computer
  Model: IBM PC/AT or Personal System 2 (PS/2)
  RAM: At least 512KB
  Display type:
  PC/AT — EGA monitor + EGA board (CGA cannot be used)
  PS/2 — VGA monitor + VGA board (MGGA cannot be used)
  Graphic memory capacity: At least 256KB
  Data communication: RS-232C interface
- RS-232C Cable
  Number of pins:
  PC/AT — 25 pins ↔ 9 pins
  PS/2 — 25 pins ↔ 25 pins
  To use a 25-pin ↔ 25-pin with the PC/AT, a 9-pin female ↔ 25-pin male conversion cable is required.

Wiring Diagram:

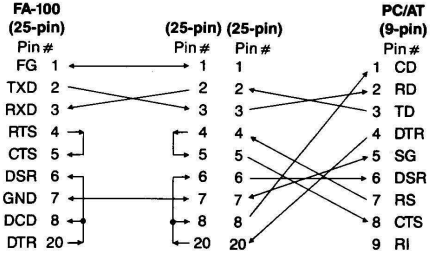
1) PS/2 (with 25-pin↔25-pin RS-232C cable)



2) PC/AT (with 25-pin↔9-pin RS-232C cable)



3) PC/AT (with 25-pin↔25-pin RS-232C cable and 25-pin↔9-pin conversion cable)

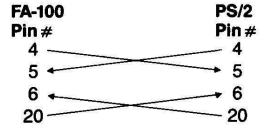


The above illustration shows the logical wiring arrangement. Other wiring can be used as long as it meets the following conditions:

PS/2

1. #2 of FA-100 is connected to #3 of PS/2.
2. #3 of FA-100 is connected to #2 of PS/2.
3. #7 of FA-100 is connected to #7 of PS/2.
4. #4 and #20 are data send pins, while #5 and #6 are data receive pins. Send pins must be connected to receive pins.

Example:



7. Connecting an SF Series unit with a personal computer

1. First, ensure that the power of the SF Series unit and the personal computer is switched OFF.
2. Connect the personal computer to the FA-100 Interface Unit, using an RS-232C cross cable.

- If you are connecting to an IBM PC/AT, use a 9-pin cable. For an IBM PS/2, use a 25-pin cable.

3. Remove the connector cover from the connector jack of the SF Series unit.

- Be careful not to lose the connector cover. It should be replaced in the connector jack whenever the SB-60 cable is disconnected.

4. Connect the SF Series unit to the FA-100 Interface Unit using the SB-60 cable.
5. Switch the power of the personal computer ON, followed by the FA-100 Interface Unit, and then the SF Series unit.

- When data transfer operations are complete, switch power off in the sequence: SF Series unit, FA-100 Interface Unit, and then personal computer.

Next, disconnect the units.

8. Backing up SFD TOOL

To avoid the possibility of erasing important files from your program disk, you should make at least one backup copy of the original disk, and store the original in a safe place before you begin using the SFD TOOL software. You can also copy your SFD TOOL files to a hard disk. Use the standard DOS commands to make a backup floppy and to copy your SFD TOOL files to the hard disk of your computer.

9. Preparing a CONFIG.SYS file in the root directory

In order to use the SFD TOOL files properly, you should create a CONFIG.SYS configuration file in the root directory of your system disk. The CONFIG.SYS file should also specify use of the ANSI.SYS device driver (which is included with DOS). Be sure to include the directory path name when specifying ANSI.SYS as the device driver. The CONFIG.SYS file should also specify 15 sector buffer and 10 files. A typical CONFIG.SYS file would contain the following data:

```
BUFFERS=15
FILES=10
DEVICE=\COM\ANSI.SYS
```

The last line tells the computer to use ANSI.SYS as the device driver, and that the ANSI.SYS file is located in a directory named COM.

For further details on setting up a CONFIG.SYS file, consult with your computer manual that covers operation of the operating system.

10. Installing SFD TOOL

The SFDINST.EXE file on your SFD TOOL disk lets you install the SFD TOOL software to suit the type of system you are running. You do not need to install SFD TOOL each time you use it, but only when you wish to change one of the settings described below.

To install SFD TOOL

Execute the SFDINST command. The exact format you use depends on whether you plan to operate using a mouse or the function keys.

- **If you plan to use a mouse**

Enter:

SFDINST [directory] **Enter**

[directory] is the name of the directory that contains the mouse driver (MOUSE.COM). The directory name can be preceded by a drive name.

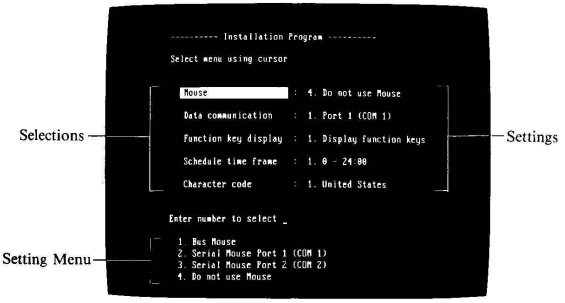
- **If you plan to use the function keys**

Enter:

SFDINST **Enter**

A directory specification is not necessary if you do not use a mouse.

- **To change settings**



Note that Mouse is highlighted on the menu that appears on the display. This is because Mouse is ***selected***. Use the ↑ and ↓ cursor keys on the computer's keyboard to change the selection.
Each time you change the selection, the numbered Setting Menu on the bottom of the screen changes accordingly. To change a setting, enter the number shown to the left of the menu item in the Setting Menu. The current setting for each selection is shown to the right of the selection name on the Installation Program menu.

• Meaning of installation selections and settings

Mouse
With this selection you specify whether or not you are going to use a mouse, and the port to which your mouse is connected.

1. Bus Mouse
Specifies that the mouse is connected to the bus mouse port. Use this selection when running on a PS/2.
2. Serial Mouse Port 1 (COM 1)
Specifies that the mouse is connected to the COM 1 port.
3. Serial Mouse Port 2 (COM 2)
Specifies that the mouse is connected to the COM 2 port.
4. Do not use Mouse
Specifies that you will not use a mouse, and will control SFD TOOL using the function keys. This selection is invalid if you select 2 for the function key display setting below.

Data communication
1. Port 1 (COM 1)
Specifies that you will communicate with the SF Series unit via the COM 1 port.
2. Port 2 (COM 2)
Specifies that you will communicate with the SF Series unit via the COM 2 port.

Function key display
1. Display function keys
Specifies that a function key menu should be shown on the display. Use this setting if you do not have a mouse.
2. Do not display function keys
Specifies that a function key menu should not be shown on the display. Function keys are not operational when this setting is specified. Use this setting if you have a mouse. This selection is invalid if you select 4 for the mouse setting above.

Schedule time frame
Specifies the time frame that should be used for the Schedule Keeper's Timetable Display (which appears in the Index Display Window).

1. 0 — 24:00
2. 6 — 22:00
3. 8 — 22:00
4. 8 — 20:00

Character code
Specifies the IBM character code table that you wish to use. Each of the character code tables is presented in its entirety starting from page 82 of this manual.

1. United States
2. Multilingual
3. Portugal
4. Canada-French
5. Norway

To complete installation

After you make the settings you want for the selections in the Installation Menu, press the **Esc** key to exit installation and return to the operating system. Next, reboot the system by holding down **Ctrl** and **Alt**, and pressing **Delete (Del)**.
If you are planning to use a mouse and specified a directory with the SFDINST command, the AUTOEXEC.BAT file will be changed automatically in accordance with your installation settings. The AUTOEXEC.BAT file contents will also be changed accordingly if you specified COM 2 as the mouse port.

PART 2 USING SFD TOOL

The SFD TOOL software is easy enough for almost anyone to master quickly. The concept behind the operations are identical to those used when operating your SF Sereis unit, we recommend that you refer to your SF Series Owner's Manual for details on the type of information contained in each data item, etc.

1. Basic Operation

SFD TOOL software can be operated using either a mouse or the computer's function keys.

Using a mouse

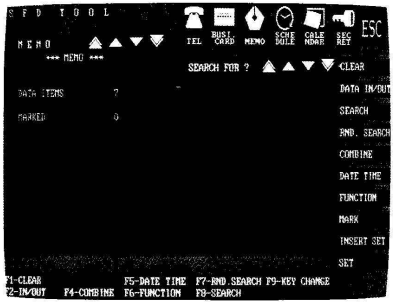
SFD TOOL is designed to take advantage of all of the ease of operation provided by a mouse. To select a function or to scroll through data, simply position the pointer in the correct position on the screen and click (press any of the buttons on the mouse). To select an option from a function menu or to select an entry on the Index Display Window, simply position the pointer over the desired selection and click.

In this manual, all commands will be described using the function key command, with the corresponding mouse command following in parentheses. Function menu or display window selections will be given without any mouse operation in parentheses. To avoid confusion, you will always be told to *select* a command or option.

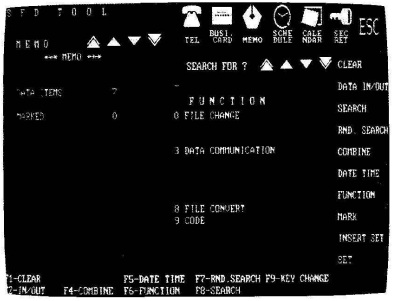
Example

Select **MEMO** ( ).

In this case, you would position the pointer over and click to execute the command.



Select **3 DATA COMMUNICATION** from the function menu.



Here, simply click on the **3 DATA COMMUNICATION** menu selection that appears in the function menu.

Using the mouse to scroll display windows

There are eight scroll arrows, two sets of four for each display window. The arrows at the top of the Index Display Window scroll the Index Display Window contents, while those above the Data Display Window are used to scroll the Data Display Window contents. The single arrows scroll one line at a time, while the double arrows scroll a page at a time.
Since the arrows above the Index Display Window are identical to those above the Data Display Window, you will have to read each instruction carefully to understand which of the arrows you must click to perform a desired scroll operation. For example:
"▼ scrolls the Index Display Window contents down" refers, of course to the arrow at the top of the Index Display Window, while the following refers to the arrows at the top of the Data Display Window:
"▲ scrolls the Data Display Window contents down one page".

Important

Before you can use a mouse, you will have to specify the mouse port you are using. See the installation instructions on page 14 for details.

Using the keyboard

When you use the keyboard of the computer to control SFD TOOL, simply press the function key, cursor key or number key which is assigned the command you wish to execute. A function key menu at the bottom of the screen shows you the operations that are currently assigned to each function key.

Some commands require you to use the keys of your computer's keyboard. These will be shown by illustrating the keytop mark, such as ↑ for the up cursor key, or by boldface characters that show the text that appears on the keytop, such as **Page Up**, **Enter**, or **Shift**.

In this manual, all commands will be described using the function key command or keyboard keys, with the corresponding mouse command following in parentheses. To avoid confusion, you will always be told to *select* a command.

Example

Select **MEMO** ( ).

In this case, would press the function key **(F3)** that controls the MEMO command.
Select **3 DATA COMMUNICATION** from the function menu.
Here, press the **3** key on your computer's keyboard to select **DATA COMMUNICATION**.

Important

If you are instructed to select a function key command that is not shown in the function key menu at the bottom of the display, press the **F9** function key (KEY CHANGE) until the command appears in the menu and then press the corresponding function key.

Enhanced keyboard and standard keyboard

Enhanced Keyboard



Standard Keyboard



SFD TOOL can be used with both the standard IBM keyboard or the enhanced version. Operation is virtually identical, except for the scrolling operations.
In this manual, we have shown all operation based upon the enhanced keyboard. If you are using the standard keyboard, the following operations are different.

To scroll Data Display Window contents up.

Enhanced Keyboard	Standard Keyboard
↑	8 up

To scroll Data Display Window contents down.

Enhanced Keyboard	Standard Keyboard
↓	2 dn

To scroll Data Display Window contents one page up.

Enhanced Keyboard	Standard Keyboard
Page Up	9 Pg Up

To scroll Data Display Window contents one page down.

Enhanced Keyboard	Standard Keyboard
Page Down	3 Pg Dn

To scroll Index Display Window contents up.

Enhanced Keyboard	Standard Keyboard
Shift ↑	Ctrl + E

To scroll Index Display Window contents down.

Enhanced Keyboard	Standard Keyboard
Shift ↓	Ctrl + D

To scroll Index Display Window contents one page up.

Enhanced Keyboard	Standard Keyboard
Shift Page Up	Ctrl + R

To scroll Index Display Window contents one page down.

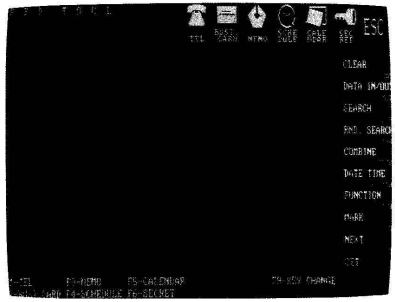
Enhanced Keyboard	Standard Keyboard
Shift Page Down	Ctrl + F

To start up SFD TOOL

Enter the following to start up the SFD TOOL program:

SFD Enter

At this time a title screen will appear briefly, and then the initial SFD TOOL display will appear.



The following chapters of this manual provide details on using each mode available with SFD TOOL.

- Never remove the floppy disk from the computer's drive while the SFD TOOL is running on the computer. Doing so can damage the contents of the disk.

About the SFD TOOL display

The initial SFD TOOL display is a grey desktop, with dark blue mouse icons at the top and right side. If you specified display function keys during the installation program, a light blue function key menu will also be shown along the bottom of the display. When you enter the Telephone Directory, Business Card Library, Schedule Keeper, Calendar, or Memo mode, two windows appear on the display. In this manual, the window on the left is called the *Index Display Window*, while the window on the right is called the *Data Display Window*.

About the DATA IN/OUT Modes

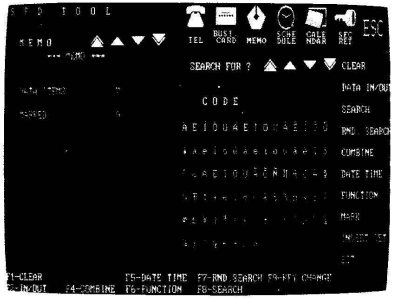
Throughout this manual, you will find many references to the DATA IN mode and the DATA OUT mode. The mode that SFD TOOL is in controls whether your keyboard input is treated as data input or not, and even determines the type and number of selections that appear on the function menus. The same is true when using your SF Series unit. Always make sure that the "IN" indicator (DATA IN mode) is shown in the lower left of the display for data input, and that it is not shown for data output.

Entering special characters and symbols

Since the SF Series units are able to store a number of characters that cannot be entered using the standard IBM keyboard, you will have to enter such symbols from a special display.

To enter special characters and symbols

1. When the cursor is at the location of the character or symbol you wish to enter, select **FUNCTION (FUNCTION)** to show the function menu.
2. Select **9 CODE.**
3. On the character/symbol menu that appears, the currently selected character/symbol is highlighted in red. Change the selection using the cursor keys, or mouse.



4. When the character/symbol you want to enter is selected, select **SET (SET).**

Changing data files

The memory capacity of your personal computer means that you can store large volumes of data. Each time you start up SFD TOOL, the program automatically selects a set of files under the name SFD TOOL, adding three-letter extensions for Telephone Directory file, Business Card Library file, etc. Of course you may store all of your data under the SFD TOOL group. But in some cases you may wish to create multiple file groups for specific data (for example business and private use). The File Change function of the SFD TOOL software allows you to create as many file groups as your computer's storage capacity allows.

To change data files

1. While in the DATA OUT mode, select **FUNCTION (FUNCTION).**
2. Select **0 FILE CHANGE** from the function menu, and window appears that contains the current data file group name.
3. Enter a new group name.
4. Press the **Enter** key or select **SET (SET).**

- If a group already exists with the name you enter, that group is selected.
- If a group with the name you enter does not exist in memory, a new group is created under the specified name, after you enter new data in the Telephone Directory, Business Card Library, etc.
- Files are created under new group names only when you enter data. If you create a new group and enter only Telephone Directory data, for example, a Telephone Directory file only is created. If you later enter Business Card Library, Memo, or Schedule Keeper data under your newly created group name, files are created at that time. If you exit SFD TOOL without entering any data, a new file group is not created under the name you specify in Step 4 above.
- You can delete all of the files under one of the groups you create using the DOS DEL (delete) command with an asterisk for the extension. For example, the following command would delete all files under the group name "TEST":

DEL TEST.*

To quit SFD TOOL or cancel an operation

Select **Esc (ESC)** to "escape" from any operation, or to change from the DATA IN Mode to the DATA OUT Mode. If you select **Esc (ESC)** when no operation is being performed, the SFD TOOL program will terminate execution and your computer will return to the system.

2. Using the Telephone Directory Function

Select **TEL** (☎) to enter the Telephone Directory.

To store data

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
NEXT (NEXT)	Proceed to next entry.
SET (SET)	Store data.
CLEAR (CLEAR)	Clear the Data Display Window.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

To scroll displays

Select:	To:
⇧ (▲)	Scroll Data Display Window contents up.
⇩ (▼)	Scroll Data Display Window contents down.
Page Up (▲)	Scroll Data Display Window contents one page up.
Page Down (▼)	Scroll Data Display Window contents one page down.
Shift ⇧ (▲)	Scroll Index Display Window contents up.
Shift ⇩ (▼)	Scroll Index Display Window contents down.
Shift Page Up (▲)	Scroll Index Display Window contents one page up.
Shift Page Down (▼)	Scroll Index Display Window contents one page down.

Locating stored data

The procedures for locating specific data stored in memory are similar to those used with SF Series units. If either of the two following error messages appear when you are searching for data, you can either enter new data, or you can press the ← or → cursor key (no mouse operation for this) to redisplay your original specification. When the original specification appears, you can edit it and try the search again.

Message	Meaning
DATA NOT FOUND!!	Specified data does not exist.
DATA NOT FOUND NO RECORD!	No data stored in memory.

To locate data using Index Search

Select:	To:
CLEAR (CLEAR)	Clear the Data Display Window.
Shift ⇩ (▼)	List Index Display Window contents from top down.
Shift ⇧ (▲)	List Index Display Window contents from bottom up.

To locate data using Direct Search

Select:	To:
CLEAR (CLEAR)	Clear the Data Display Window.
SEARCH (SEARCH)	Begin search for entered text.
Shift ⇩ (▼)	
Shift ⇧ (▲)	Show Data Display Windows for located items.

To locate data using Random Search

Select:	To:
CLEAR (CLEAR)	Clear the Data Display Window.
RND. SEARCH	Begin search for entered text.
(RND. SEARCH)	
Shift ↓ (▼)	
Shift ↑ (▲)	Show Data Display Windows for located items.

To locate data using Direct Combined Search

Select:	To:
CLEAR (CLEAR)	Clear the Data Display Window.
COMBINE (COMBINE)	Separate search specifications.
SEARCH (SEARCH)	Begin search for entered text.
Shift ↓ (▼)	
Shift ↑ (▲)	Show Data Display Windows for located items.

To locate data using Random Combined Search

Select:	To:
CLEAR (CLEAR)	Clear the Data Display Window.
COMBINE (COMBINE)	Separate search specifications.
RND. SEARCH	Begin search for entered text.
(RND. SEARCH)	
Shift ↓ (▼)	
Shift ↑ (▲)	Show Data Display Windows for located items.

3. Using the Business Card Library Function

Select **BUSI.CARD** ( ) to enter the Business Card Library.

To store data

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
NEXT (NEXT)	Proceed to next entry.
SET (SET)	Store data.
CLEAR (CLEAR)	Clear the Data Display Window.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

To scroll displays

Select:	To:
↑ (▲)	Scroll Data Display Window contents up.
↓ (▼)	Scroll Data Display Window contents down.
Page Up (▲)	Scroll Data Display Window contents one page up.
Page Down (▼)	Scroll Data Display Window contents one page down.
Shift ↑ (▲)	Scroll Index Display Window contents up.
Shift ↓ (▼)	Scroll Index Display Window contents down.
Shift Page Up (▲)	Scroll Index Display Window contents one page up.
Shift Page Down (▼)	Scroll Index Display Window contents one page down.

Locating stored data

If either of the two following error messages appear when you are searching for data, you can either enter new data, or you can press the ← or → cursor key (no mouse operation for this) to redisplay your original specification. When the original specification appears, you can edit it and try the search again.

Message	Meaning
DATA NOT FOUND!!	Specified data does not exist.
DATA NOT FOUND NO RECORD!	No data stored in memory.

To locate data using Index Search

Select:	To:
CLEAR (CLEAR)	Clear the Data Display Window.
Shift ↓ (▼)	List Index Display Window contents from top down.
Shift ↑ (▲)	List index Display window contents from bottom up.

To locate data using Direct Search

Select:	To:
CLEAR (CLEAR)	Clear the Data Display Window.
SEARCH (SEARCH)	Begin search for entered text.
Shift ↓ (▼)	
Shift ↑ (▲)	Show Data Display Windows for located items.

To locate data using Random Search

Select:	To:
CLEAR (CLEAR)	Clear the Data Display Window.
RND. SEARCH (RND. SEARCH)	Begin search for entered text.
Shift ↓ (▼)	
Shift ↑ (▲)	Show Data Display Windows for located items.

To locate data using Direct Combined Search

Select:	To:
CLEAR (CLEAR)	Clear the Data Display Window.
COMBINE (COMBINE)	Separate search specifications.
SEARCH (SEARCH)	Begin search for entered text.
Shift ↓ (▼)	
Shift ↑ (▲)	Show Data Display Windows for located items.

To locate data using Random Combined Search

Select:	To:
CLEAR (CLEAR)	Clear the Data Display Window.
COMBINE (COMBINE)	Separate search specifications.
RND. SEARCH (RND. SEARCH)	Begin search for entered text.
Shift ↓ (▼)	
Shift ↑ (▲)	Show Data Display Windows for located items.

4. Using the Memo Function

Select **MEMO** ( ) to enter the Memo Mode.

To store data

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
Enter	Change line.
SET (SET)	Store data.
CLEAR (CLEAR)	Clear the Data Display Window.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

To scroll displays

Select:	To:
↑ (▲)	Scroll Data Display Window contents up.
↓ (▼)	Scroll Data Display Window contents down.
Page Up (▲)	Scroll Data Display Window contents one page up.
Page Down (▼)	Scroll Data Display Window contents one page down.
Shift ↑ (▲)	Scroll Index Display Window contents up.
Shift ↓ (▼)	Scroll Index Display Window contents down.
Shift Page Up (▲)	Scroll Index Display Window contents one page up.
Shift Page Down (▼)	Scroll Index Display Window contents one page down.

Locating stored data

If either of the two following error messages appear when you are searching for data, you can either enter new data, or you can press the ← or → cursor key (no mouse operation for this) to redisplay your original specification. When the original specification appears, you can edit it and try the search again.

Message	Meaning
DATA NOT FOUND!!	Specified data does not exist.
DATA NOT FOUND NO RECORD!	No data stored in memory.

To locate data using Index Search

Select:	To:
CLEAR (CLEAR)	Clear the Data Display Window.
Shift ↓ (▼)	List Index Display Window contents from top down.
Shift ↑ (▲)	List Index Display Window contents from bottom up.

To locate data using Direct Search

Select:	To:
CLEAR (CLEAR)	Clear the Data Display Window.
SEARCH (SEARCH)	Begin search for entered text.
Shift ↓ (▼)	
Shift ↑ (▲)	Show Data Display Windows for located items.

To locate data using Random Search

Select:	To:
CLEAR (CLEAR)	Clear the Data Display Window.
RND. SEARCH (RND. SEARCH)	Begin search for entered text.
Shift ↓ (▼)	
Shift ↑ (▲)	Show Data Display Windows for located items.

To insert a memo between two existing memos

Important

Remember to make sure that the data item ***following*** the position where you wish to insert the new item is at the top of the Index Display Window.

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
INSERT SET (INSERT SET)	Insert a memo.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

5. Using the Calendar Function

Select **CALENDAR** ( ) to enter the Calendar Function. Two calendars will appear in the Data Display Window, with the calendar for the current month at the top. The Timetable Display for the current week will be shown in the Index Display Window.

- If you select **CALENDAR** ( ) from the Schedule Keeper, the calendar for the Schedule Keeper date will be at the top of the Calendar display.

To display a specific month

Select:	To:
CLEAR (CLEAR)	Clear the Data Display Window for specification of a new date.
DATE TIME (DATE TIME)	Enter year, month.
CALENDAR (CALENDAR)	Search for specified month.

To scroll through calendars

Select:	To:
Page Up (▲)	Scroll up one calendar page.
Page Down (▼)	Scroll down one calendar page.

To select a date by entering a value

When a date is not currently selected on the displayed calendars, use the numeric keys to enter the date you wish to select.

To select a date using the cursor keys

When a date is not currently selected on the displayed calendars,

Select:	To:
← or ↑ (▲)	Select last date of bottom calendar.
→ or ↓ (▼)	Select first date of top calendar.

When a date is selected on one of the displayed calendars,

Select:	To:
←	Move date selection to left.
→	Move date selection to right.
↑ (▲)	Move date selection up.
↓ (▼)	Move date selection down.

- If you select **CALENDAR** ( ) while a date is selected, the selected date marker disappears from the display.

To highlight dates

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
SET (SET)	Highlight selected date.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

To clear highlights for a specific month

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
FUNCTION (FUNCTION)	Display menu.
5 ONE-MONTH HIGHLIGHT CLEAR	
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

To clear highlights for multiple months

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
FUNCTION (FUNCTION)	Display menu.
0 MULTIPLE MONTH HIGHLIGHT CLEAR	
DATE TIME (DATE TIME)	Enter year, month, date.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

6. Using the Schedule Keeper Function

Select **SCHEDULE** (⊖) to enter the Schedule Keeper. The Timetable Display for the current week will be shown in the Index Display Window, while the details for the current date will appear in the Data Display Window. Note that unlike the SF Series, when entering Schedule Keeper times using SFD TOOL, you must always manually enter the minutes digits, even if they are "00".

To specify a date

Select:	To:
CLEAR (CLEAR)	Clear the Data Display Window.
DATE TIME (DATE TIME)	Enter year, month, date.

To select a date from the Calendar

Select the date on the calendar (see page 34), and select **SCHEDULE** (⊖).

To scroll displays

Select:	To:
↑ (▲)	Scroll Data Display Window contents up.
↓ (▼)	Scroll Data Display Window contents down.
Page Up (▲▲)	Scroll Data Display Window contents one page up.
Page Down (▼▼)	Scroll Data Display Window contents one page down.
Shift ↑ (▲)	Select previous day's schedule, (within current week only).
Shift ↓ (▼)	Select next day's schedule, (within current week only).
Shift Page Up (▲▲)	Scroll to previous week's Timetable Display.
Shift Page Down (▼▼)	Scroll to next week's Timetable Display.

To store data

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
CLEAR (CLEAR)	Clear the Data Display Window.
DATE TIME (DATE TIME)	Enter hour, minutes.
NEXT (NEXT)	Proceed from time input to text input.
SET (SET)	Store data.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

Locating stored data

If either of the two following error messages appear when you are searching for data, you can either enter new data, or you can press the ← or → cursor key (no mouse operation for this) to redisplay your original specification. When the original specification appears, you can edit it and try the search again.

Message	Meaning
DATA NOT FOUND !!	Specified data does not exist.
DATA NOT FOUND NO RECORD !	No data stored in memory.

To locate data using Date Search

Select:	To:
CLEAR (CLEAR)	Clear the Data Display Window.
DATE TIME (DATE TIME)	Enter year, month, date.

To locate data using Direct Search

Select:	To:
CLEAR (CLEAR)	Clear the Data Display Window.
SEARCH (SEARCH)	Begin search for entered text.

To locate data using Random Search

Select:	To:
CLEAR (CLEAR)	Clear the Data Display Window.
RND.SEARCH (RND.SEARCH)	Begin search for entered text.

7. Using the Schedule Alarm Function

Though schedule alarms can be set and cancelled by SFD TOOL, nothing happens when the schedule alarm time is reached as long as the data is stored in your personal computer. This function is available with the SFD TOOL software only to allow you to control Schedule Alarm times for later transfer to an SF Series unit.

To set a schedule alarm when inputting an appointment

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
DATE TIME (DATE TIME)	Enter year, month, date.
SCH. ALARM (SCH. ALARM)	Set the schedule alarm.
SET (SET)	Store data item.
NEXT (NEXT)	Proceed to next entry.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

To cancel a schedule alarm

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
FUNCTION (FUNCTION)	Display menu.
4 DATA ITEM EDIT	
SCH. ALARM (SCH. ALARM)	Cancel the schedule alarm.
SET (SET)	Store data item.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

8. Using the Mark Function

You can mark Telephone Directory, Business Card Library, Memo and Schedule Keeper data.

To assign marks to data items

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN mode.
MARK (MARK)	Mark newly entered data item.
SET (SET)	Store marked data item.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

To unmark a data item

Important

Remember that the data item being unmarked must be at the top of the Data Display Window before it can be unmarked.

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
FUNCTION (FUNCTION)	Display menu.
4 DATA ITEM EDIT	
MARK (MARK)	Unmark data item.
SET (SET)	Store unmarked data item.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

9. Using the Secret Function

The Secret Function can be used to protect Telephone Directory, Business Card Library, Memo, and Schedule Keeper data. You cannot store Calendar data using the Secret Function.

To register a password

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
SECRET ( )	Specify Secret Area.
	Register new password
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

To recall data from the Secret Area

Select:	To:
SECRET ( )	Specify Secret Area.
	Input registered password.
TEL ( )	Recall Telephone Directory data.
MEMO ( )	Recall Memo data.
BUSI.CARD ( )	Recall Business Card Library data.
SCHEDULE ( )	Recall Schedule Keeper data.

To exit the Secret Area

Select:	To:
SECRET ( )	Exit Secret Area.

10. Editing Data Items Stored in Memory

The following procedures explain how to edit data stored in memory.

Important

Remember that the data item being edited must be at the top of the Data Display Window before it can be edited, copied, or marked.

To change an existing data item

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
FUNCTION (FUNCTION)	Display menu.
4 DATA ITEM EDIT	
↑	Move cursor up.
↓	Move cursor down.
←	Move cursor to the left.
→	Move cursor to the right.
Page Up (▲)	Scroll Data Display Window contents one page up.
Page Down (▼)	Scroll Data Display Window contents one page down.
SET (SET)	Store edited data item.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

To mark an existing data item

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
FUNCTION (FUNCTION)	Display menu.
4 SELECT DATA ITEM EDIT	
MARK (MARK)	Mark selected data item.
SET (SET)	Store marked data item.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

To change the date of a Schedule Keeper data item

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
FUNCTION (FUNCTION)	Display menu.
8 DATE CHANGE	
DATE TIME (DATE TIME)	Enter year, month, date.
SET (SET)	Store data item.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

To batch edit multiple data items

1. Enter the Business Card Library and select **IN/OUT (DATA IN/OUT)** for data input (DATA IN Mode).
2. Select **FUNCTION (FUNCTION)**.
3. Select **2 MULTIPLE DATA ITEM EDIT** from the function menu, and a list of all of the data entry names will appear in the Data Display Window.
4. Select the entry type to be edited (EMPLOYER, for example), and select **SET (SET)** to display all of the data stored for that entry in the Index Display Window.
5. Select the data entry that you wish to edit (ABC Company, for example), and that entry will appear on the Data Display Window. Make changes in the Data Display Window.

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
BUSI.CARD ( )	Enter the Business Card Library.
FUNCTION (FUNCTION)	Display menu.
2 MULTIPLE DATA ITEM EDIT	
(click on selection)	Move selected entry up on Data Display Window.
(click on selection)	Move selected entry down on Data Display Window.
SET (SET)	Select entry highlighted on Data Display Window.
Shift (▲)	Move selected data up on Index Display Window.
Shift (▼)	Move selected data down on Index Display Window.
SET (SET)	Store edited data.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

To edit an entry (FREE) name

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
FUNCTION (FUNCTION)	Display menu.
1 MESSAGE EDIT (FREE 1—6)	
	Move selected entry name up.
	Move selected entry name down.
SET (SET)	Store entry name.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

To change the password

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
SECRET ( )	Specify Secret Area. Input registered password.
CLEAR (CLEAR)	Display existing password.
SECRET ( )	
FUNCTION (FUNCTION)	Display menu.
4 DATA ITEM EDIT	
SECRET ( )	Register new password.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

To delete individual data items

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
FUNCTION (FUNCTION)	Display menu.
5 INDIVIDUAL DATA ITEM DELETE	
Y	Delete.
N	Cancel deletion.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

To delete unmarked data items

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
FUNCTION (FUNCTION)	Display menu.
0 UNMARKED DATA ITEM DELETE	
Y	Delete.
N	Cancel deletion.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

To transfer a data item from the open area to the secret area

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
FUNCTION (FUNCTION)	Display menu.
7 DATA ITEM TO SECRET AREA	
SECRET (🔑)	Input registered password.
Y	Transfer.
N	Cancel transfer.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

To transfer a data item from the secret area to the open area

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
SECRET (🔑)	Specify Secret Area. Input registered password.
FUNCTION (FUNCTION)	Display menu.
7 DATA ITEM TO OPEN AREA	
Y	Transfer.
N	Cancel transfer.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

Duplicating data items

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
FUNCTION (FUNCTION)	Display menu.
6 DATA ITEM COPY	
SET (SET)	Store copied data item.
IN/OUT (DATA IN/OUT)	Enter the DATA OUT Mode.

PART 3 DATA COMMUNICATIONS

See your SF Series manual for details on connecting your computer and SF Series unit for data communications.

1. Setting the Hardware Parameters

There are three hardware parameters that must be set on your personal computer and SF Series unit before they will be able to transfer data between each other.

To set the computer's hardware parameters

Select:	To:
FUNCTION (FUNCTION) **3 DATA COMMUNICATION** **3 SET HARDWARE PARAMETERS**	Display menu.
↑ (▲)	Move selected parameter up.
↓ (▼)	Move selected parameter down.
SET (SET)	Store selected parameters.

Enter a value (or click) to make the setting shown in the Data Display Window for the selected parameter.

2. Transmitting Data to an SF Series Unit

Set up the receive SF Series unit as described in the SF Series Owner's manual. Follow the same procedures for data transmission in the SF Series Owner's Manual.

To send all data items

Select:	To:
FUNCTION (FUNCTION) **3 DATA COMMUNICATION** **1 TRANSMIT** **3 ALL DATA ITEMS**	Display menu.
Enter	Start transmission.

Sending SELECTED DATA ITEMS in the Telephone Directory, Business Card Library, or Memo Mode

Unlike SF Series that cannot send multiple data items, the SFD TOOL software lets you specify more than one data item for a single transmission. Since the procedure is quite different from that explained in your SF Series Owner's Manual, we will go into a bit more detail than we have for other procedures in this manual.

To send SELECTED DATA ITEMS in the Telephone Directory, Business Card Library, or Memo Mode

1. Select **FUNCTION (FUNCTION)** to display the function menu.
2. Select **3 DATA COMMUNICATION**.
3. Select **1 TRANSMIT**.
4. Select **1 SELECTED DATA ITEMS**.
5. Use index search procedures to locate the first data item you wish to include in the transmission.
6. Once you find the item you wish to send, select **SET (SET)**. A Ⓣ mark will appear to the left of the selected item to indicate that it has been chosen for transmission.
7. You can now locate additional data items and specify them for transmission by selecting **SET (SET)**. You can also cancel a Ⓣ mark by selecting the item again and selecting **SET (SET)**.
8. After you have selected all of the data items you wish to transmit, press the **Enter** key on the computer's keyboard to begin transmission. Of course, you may also select **Esc (ESC)** to cancel data communication.

To send ONE DATA ITEM in the Schedule Keeper

Select:	To:
FUNCTION (FUNCTION) **3 DATA COMMUNICATION** **1 TRANSMIT** **1 ONE DATA ITEM**	Display menu.
Enter	Start transmission.

To send one MONTH in the Calendar Display

Select:	To:
FUNCTION (FUNCTION) **3 DATA COMMUNICATION** **1 TRANSMIT** **1 MONTH**	Display menu.
Enter	Start transmission.

To send MODE DATA ITEMS in the Telephone Directory, Business Card Library, or Memo Mode

Select:	To:
FUNCTION (FUNCTION) **3 DATA COMMUNICATION** **1 TRANSMIT** **2 MODE DATA ITEMS**	Display menu.
Enter	Start transmission.

To send MODE DATA ITEMS for a specific period in the Schedule Keeper

Select:	To:
FUNCTION (FUNCTION) **3 DATA COMMUNICATION** **1 TRANSMIT** **2 MODE DATA ITEMS**	Display menu.
DATE TIME (DATE TIME)	Enter year, month, date.
Enter	Start transmission.

To send MODE DATA ITEMS for a specific period in the Calendar Display

Select:	To:
FUNCTION (FUNCTION) **3 DATA COMMUNICATION** **1 TRANSMIT** **2 MODE DATA ITEMS**	Display menu.
DATE TIME (DATE TIME)	Enter year, month, date.
Enter	Start transmission.

3. Receiving Data From an SF Series Unit

See your SF Series Owner's Manual for details on transmitting data from the SF Series unit.

Select:	To:
IN/OUT (DATA IN/OUT)	Enter the DATA IN Mode.
FUNCTION (FUNCTION) **3 DATA COMMUNICATION** **2 RECEIVE**	Display menu.

4. Using SFD TOOL to Print Data

The procedures in section explain the key operations that are used for printing of data stored under the SFD TOOL on an EPSON LX-800 printer. For details on setting up your printer, see the owner's manual that comes with the printer.

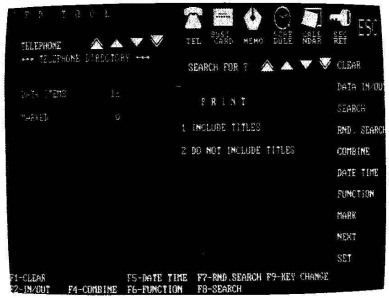
> You can also print data stored in the SF series unit directly to an Epson LX-800 printer. For connection and operations, see the SF Series Owner's Manual.

Printing SELECTED DATA ITEMS in the Telephone Directory, Business Card Library, or Memo Mode

Unlike SF Series units that cannot print multiple data items, the SFD TOOL software lets you specify more than one data item for printing. Since the procedure is quite different from that explained in your SF Series Owner's Manual, we will go into a bit more detail than we have for other procedures in this manual.

To print SELECTED DATA ITEMS in the Telephone Directory, Business Card Library, or Memo Mode

1. Select **FUNCTION (FUNCTION)** to display the function menu.
2. Select **3 DATA COMMUNICATION**.
3. Select **4 PRINT**.
4. Select **1 SELECTED DATA ITEMS**.



The above options produce the following results (in the Telephone Directory):

INCLUDE TITLES

NAME	:	ANDERSON EDWARD
NUMBER	:	262-361-5938
ADDRESS	:	78574 DIARY AVENUE, DALLAS

DO NOT INCLUDE TITLES

ANDERSON EDWARD
262-361-5938
78574 DIARY AVENUE, DALLAS

5. Select **1 INCLUDE TITLES** or **2 DO NOT INCLUDE TITLES**.
6. Use index search procedures to locate the first data item you wish to include in the printing.
7. Once you find the item you wish to print, select **SET (SET)**. A Ⓟ mark will appear to the left of the selected items to indicate that it has been chosen for printing.
8. You can now locate additional data items and specify them for printing by selecting **SET (SET)**. You can also cancel a Ⓟ mark by selecting the item again and selecting **SET (SET)**.

9. After you have selected all of the data items you wish to print, press the **Enter** key on the computer's keyboard to begin printing. Of course, you may also select **Esc (ESC)** to cancel data communication.

To print ONE DATA ITEM in the Schedule Keeper

Select:	To:
FUNCTION (FUNCTION) **3 DATA COMMUNICATION** **4 PRINT** **1 ONE DATA ITEM**	Display menu.
Enter	Start printing.

To print one MONTH in the Calendar Display

Select:	To:
FUNCTION (FUNCTION) **3 DATA COMMUNICATION** **4 PRINT** **1 MONTH**	Display menu.
Enter	Start printing.

To print MODE DATA ITEMS in the Telephone Directory, Business Card Library, or Memo Mode

Select:	To:
FUNCTION (FUNCTION) **3 DATA COMMUNICATION** **4 PRINT** **2 MODE DATA ITEMS** **1 INCLUDE TITLES** or **2 DO NOT INCLUDE TITLES**	Display menu.
Enter	Start printing.

Note: For information on the "**INCLUDE TITLES**"/"**DO NOT INCLUDE TITLES**" option, see page 51.

To print MODE DATA ITEMS for a specific period in the Schedule Keeper

Select:	To:
FUNCTION (FUNCTION) **3 DATA COMMUNICATION** **4 PRINT** **2 MODE DATA ITEMS**	Display menu.
DATE TIME (DATE TIME)	Enter year, month, date.
Enter	Start printing.

To print MODE DATA ITEMS for a specific period in the Calendar Display

Select:	To:
FUNCTION (FUNCTION) **3 DATA COMMUNICATION** **4 PRINT** **2 MODE DATA ITEMS**	Display menu.
DATE TIME (DATE TIME)	Enter year, month, date.
Enter	Start printing.

PART 4 CONVERTING DATA

The SFD TOOL software makes it possible for you to convert data from SFD TOOL format to ASCII text format, and vice versa. You can convert Telephone Directory, Business Card Library, and Memo data from SFD TOOL format to an ASCII text file. Conversely, you can convert an ASCII text file to SFD TOOL Telephone Directory, Business Card Library, and Memo format. Since your SFD TOOL software also lets you exchange data with your SF Series unit, this function makes it possible for you to exchange ASCII text data with your SF Sereies unit, via the SFD TOOL software.

Note

Though it is possible to convert any ASCII text file to SFD format and vice versa, all of the examples provided in this manual are presented using conversions between SFD format and Lotus 1-2-3 format.

1. Converting Lotus 1-2-3 data to SFD format

Before you can convert Lotus 1-2-3 data to SFD format, you must first convert the data into a text file. To do this, use the Lotus print command. For further details on Lotus data conversion to a text file, please consult your Lotus 1-2-3 manual.

About data entries

Before an SFD TOOL file can accept Lotus 1-2-3 data, it must first know how much data to expect. In the procedures that appear on the following pages, you will be required to define the length of each ***data entry***. The term data entry, here, is used in the same way as it is used in the SF Series Owner's Manual. In the Telephone Directory, for example, each ***data item*** consists of the following ***data entries***:

- Name
- Number
- Address
- Free 1
- Free 2
- Free 3
- Free 4
- Free 5
- Free 6

Since each entry represents a Lotus 1-2-3 column, an entry's length should be calculated as the column width specified in Lotus 1-2-3, plus one for the **Enter** key operation. You should check your Lotus 1-2-3 data and find what the width of each column is, and adjust this information at the proper point in the procedures described below. If you enter the wrong value for an entry width, you may end up with unreadable data.

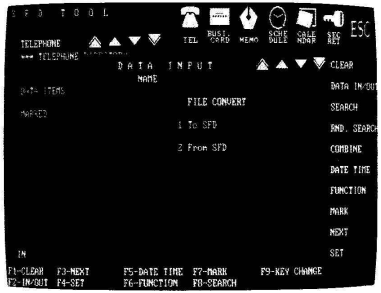
For further information on how SFD TOOL handles Lotus 1-2-3 data, see the Technical Appendix at the end of this manual.

How SFD TOOL handles converted data

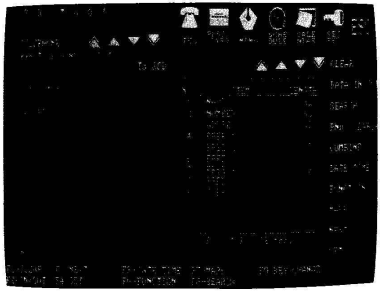
When you convert Lotus 1-2-3 text data to SFD data, the converted data is added to the data in the mode (ex. Telephone Directory, Business Card Library, etc.) you are currently in. For details on how data should be entered into a Lotus 1-2-3 file for conversion to SFD format, see the Technical Appendix at the end of this manual.

To convert Lotus 1-2-3 data to an SFD Telephone Directory file

1. Select **TEL (☎)** to enter the Telephone Directory.
2. Select **IN/OUT (DATA IN/OUT)** for data input (DATA IN Mode).
3. Select **FUNCTION (FUNCTION)**.
4. Select **8 FILE CONVERT**.



5. Select **1 To SFD**.

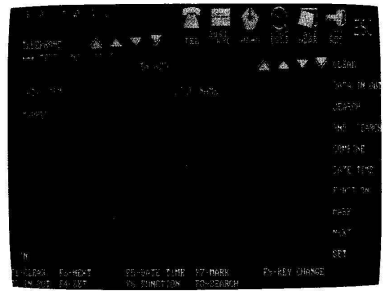


6. This Data Display Window shows the default length of each data entry. To change the length of a data entry, use the ↑ ↓ cursor keys to move the cursor to the data entry you want to change and then enter a new value from the keyboard.

Important

The total of the values specified must not exceed 384. Should your specification exceed 384, the value at the cursor position becomes red. When this happens, reduce the specified values as required.

7. After you get the data entries to the lengths you want, press the **Enter** key on your computer's keyboard or select **SET (SET)**.



8. Now enter the name of the Lotus 1-2-3 text file that contains the data you wish to convert to SFD format.
   Note that you can also include the drive name in front of the filename, and that the extension .PRN is automatically added as the default.
9. Press the **Enter** key on your computer's keyboard or select **SET (SET)**. In answer to the message that appears, press the **Enter** key to begin conversion or select **Esc (ESC)** to cancel the conversion.

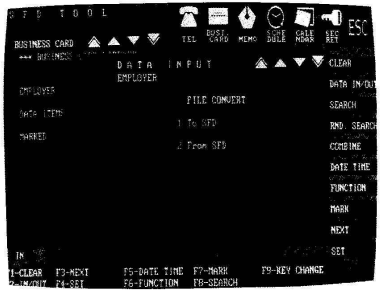
Note

If the filename you specify does not exist, the message "FILE NOT FOUND! PLEASE PRESS ESC KEY." appears in the Data Display Window. Select **Esc (ESC)** and start over.

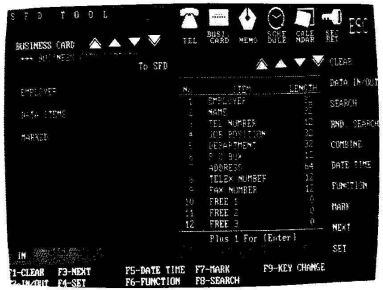
10. After the conversion is complete, select **IN/OUT (DATA IN/OUT)** to enter the DATA OUT Mode.

To convert Lotus 1-2-3 data to an SFD Business Card Library file

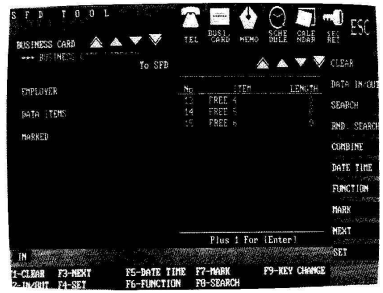
1. Select **BUSI.CARD** ( ) to enter the Business Card Library.
2. Select **IN/OUT (DATA IN/OUT)** for data input (DATA IN Mode).
3. Select **FUNCTION (FUNCTION)**.
4. Select **8 FILE CONVERT.**



5. Select **1 To SFD.**



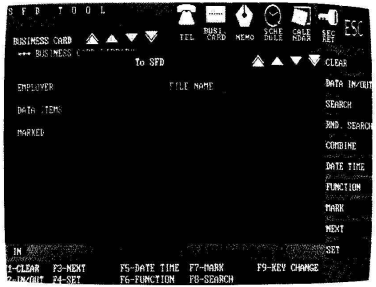
6. This Data Display Window shows the default length of each data entry. To change the length of a data entry, use the ↑ ↓ cursor keys to move the cursor to the data entry you want to change and then enter a new value from the keyboard. You can use the **Page Up** and **Page Down** keys to proceed to next page after you enter a new value for the last data length in the first page.



Important

The total of the values specified must not exceed 384. Should your specification exceed 384, the value at the cursor position becomes red. When this happens, reduce the specified values as required.

7. After you get the data entries to the lengths you want, press the **Enter** key on your computer's keyboard or select **SET (SET)**.



8. Now enter the name of the Lotus 1-2-3 text file that contains the data you wish to convert to SFD format.
   Note that you can also include the drive name in front of the filename, and that the extension .PRN is automatically added as the default.
9. Press the **Enter** key on your computer's keyboard or select **SET (SET)**. In answer to the message that appears, press the **Enter** key to begin conversion or select **Esc (ESC)** to cancel the conversion.

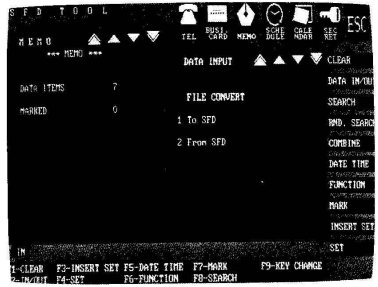
Note

If the filename you specify does not exist, the message "FILE NOT FOUND! PLEASE PRESS ESC KEY." appears in the Data Display Window. Select **Esc (ESC)** and start over.

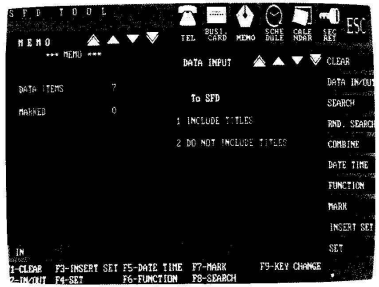
10. After the conversion is complete, select **IN/OUT (DATA IN/OUT)** to enter the DATA OUT Mode.

To convert Lotus 1-2-3 data to an SFD Memo file

1. Select **MEMO ( )** to enter the Memo Mode.
2. Select **IN/OUT (DATA IN/OUT)** for data input (DATA IN Mode).
3. Select **FUNCTION (FUNCTION)**.
4. Select **8 FILE CONVERT.**



5. Select **1 To SFD.**



The above options produce the following results:

Lotus 1-2-3

ITEM	PRICE	AVAILABILITY
384750	25.05	5/13/89
893475	62.35	8/24/90
304935	2.67	10/4/90

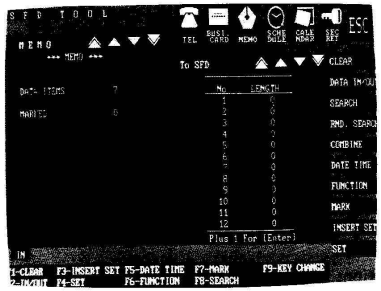
INCLUDE TITLES

ITEM : 384750
PRICE : 25.05
AVAILABILITY : 5/13/89
ITEM : 893475
PRICE : 62.35
AVAILABILITY : 8/24/90
ITEM : 304935
PRICE : 2.67
AVAILABILITY : 10/4/90

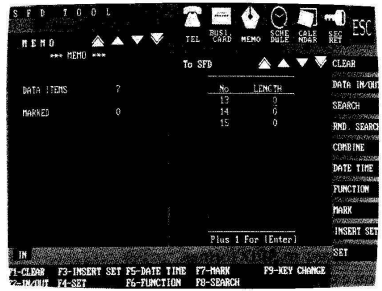
DO NOT INCLUDE TITLES

ITEM
PRICE
AVAILABILITY
384750
25.05
5/13/89
893475
62.35
8/24/90
304935
2.67
10/4/90

6. Select **1 INCLUDE TITLES** or **2 DO NOT INCLUDE TITLES.**



7. This Data Display Window shows the current length of each data entry. To change the length of a data entry, use the ⬆ ⬇ cursor keys to move the cursor to the data entry you want to change and then enter a new value from the keyboard. You can use the **Page Up** and **Page Down** keys to proceed to next page after you enter a new value for the last data length in the first page.



Important

The total of the values specified must not exceed 384. Should your specification exceed 384, the value at the cursor position becomes red. When this happens, reduce the specified values as required.

8. After you get the data entries to the lengths you want, press the **Enter** key on your computer's keyboard or select **SET (SET)**.



9. Now enter the name of the Lotus 1-2-3 text file that contains the data you wish to convert to SFD format.
   Note that you can also include the drive name in front of the filename, and that the extension .PRN is automatically added as the default.
10. Press the **Enter** key on your computer's keyboard or select **SET (SET)**. In answer to the message that appears, press the **Enter** key to begin conversion or select **Esc (ESC)** to cancel the conversion.

Note

If the filename you specify does not exist, the message "FILE NOT FOUND! PLEASE PRESS ESC KEY." appears in the Data Display Window. Select **Esc (ESC)** and start over.

11. After the conversion is complete, select **IN/OUT (DATA IN/OUT)** to enter the DATA OUT Mode.

2. Converting SFD data to Lotus 1-2-3 format

The SFD TOOL software also lets you convert SFD format Telephone Directory, Business Card Library, and Memo data into Lotus 1-2-3 text files. You will also have a choice of converting all data stored in each mode, or specific data items.

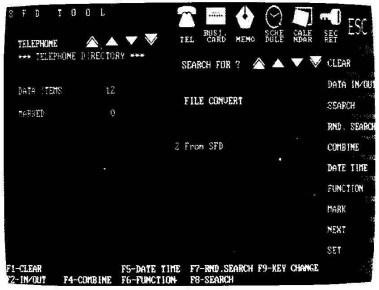
SELECTED DATA ITEMS
This option converts specified SFD data items contained in the Telephone Directory, Business Card Library, or Memo Mode.

MODE DATA ITEMS
This option converts all of the SFD data items contained in the Telephone Directory, Business Card Library, or Memo Mode.

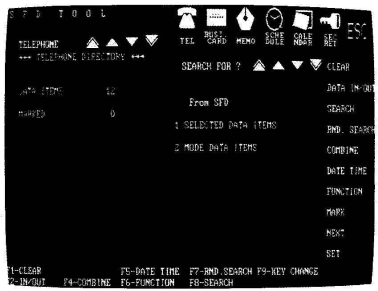
For further details on Lotus 1-2-3 text files, please consult your Lotus 1-2-3 manual.
For further information on the format used by SFD TOOL to convert SFD data into Lotus 1-2-3 data, see the Technical Appendix at the end of this manual.

To convert SELECTED DATA ITEMS in an SFD Telephone Directory file to a Lotus 1-2-3 text file

1. Select **TEL (☎)** to enter the Telephone Directory.
2. Select **FUNCTION (FUNCTION)**.
3. Select **8 FILE CONVERT.**



4. Select **2 From SFD.**



5. Select **1 SELECTED DATA ITEMS.**



6. Enter the name of the Lotus 1-2-3 text file that will hold the converted SFD data.
   Note that you can also include the drive name in front of the filename, and that the extension .PRN is automatically added as the default.
7. Press the **Enter** key on your computer's keyboard or select **SET (SET).**

Note

If a file with the name you specify already exists, the message "OVERWRITE OK? (Y/N)" appears in the Data Display Window. Enter **Y** from the keyboard to replace the existing file with the converted file, or **N** to return to the filename input prompt.

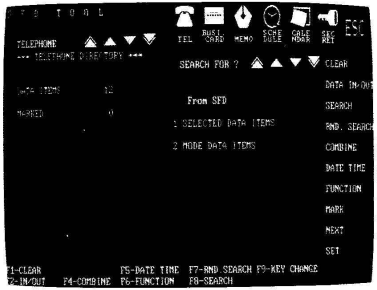
8. Use Index search procedures to locate the first data item you wish to include in the conversion.
9. Once you find the item you wish to convert, select **SET (SET).** A © mark will appear to the left of selected item to indicate that it has been chosen for conversion.
10. You can now locate additional data items and specify them for conversion by selecting **SET (SET).** You can also cancel a © mark by selecting the item again and selecting **SET (SET).**
11. After you have selected all of the data items you wish to convert, press the **Enter** key on the computer's keyboard to begin conversion. Of course, you may also select **Esc (ESC)** to cancel data conversion.

To convert MODE DATA ITEMS in an SFD Telephone Directory file to a Lotus 1-2-3 text file

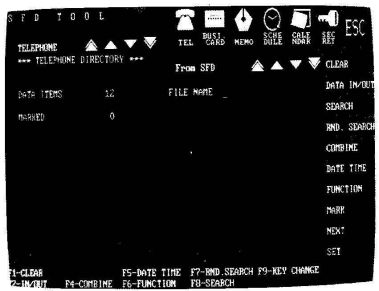
1. Select **TEL (☎)** to enter the Telephone Directory.
2. Select **FUNCTION (FUNCTION).**
3. Select **8 FILE CONVERT.**



4. Select **2 From SFD.**



5. Select **2 MODE DATA ITEMS.**



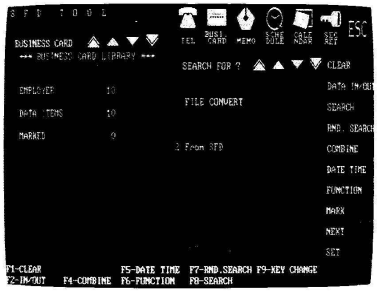
6. Enter the name of the Lotus 1-2-3 text file that will hold the converted SFD data.
   Note that you can also include the drive name in front of the filename, and that the extension .PRN is automatically added as the default.
7. Press the **Enter** key on the computer's keyboard to begin conversion. Of course, you may also select **Esc (ESC)** to cancel data conversion.

Note

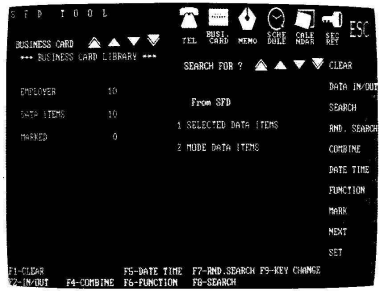
If a file with the name you specify already exists, the message "OVERWRITE OK? (Y/N)" appears in the Data Display Window. Enter **Y** from the keyboard to replace the existing file with the converted file, or **N** to return to the filename input prompt.

To convert SELECTED DATA ITEMS in an SFD Business Card Library file to a Lotus 1-2-3 text file

1. Select **BUSI.CARD** ( ) to enter the Business Card Library.
2. Select **FUNCTION (FUNCTION).**
3. Select **8 FILE CONVERT.**



4. Select **2 From SFD.**



5. Select **1 SELECTED DATA ITEMS.**



6. Enter the name of the Lotus 1-2-3 text file that will hold the converted SFD data.
   Note that you can also include the drive name in front of the filename, and that the extension .PRN is automatically added as the default.
7. Press the **Enter** key on your computer's keyboard or select **SET (SET)**.

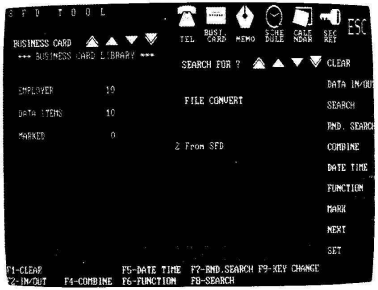
Note

If a file with the name you specify already exists, the message "OVERWRITE OK? (Y/N)" appears in the Data Display Window. Enter **Y** from the keyboard to replace the existing file with the converted file, or **N** to return to the filename input prompt.

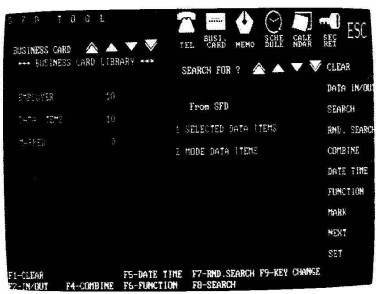
8. Use Index search procedures to locate the first data item you wish to include in the conversion.
9. Once you find the item you wish to convert, select **SET (SET)**. A © mark will appear to the left of selected item to indicate that it has been chosen for conversion.
10. You can now locate additional data items and specify them for conversion by selecting **SET (SET)**. You can also cancel a © mark by selecting the item again and selecting **SET (SET)**.
11. After you have selected all of the data items you wish to convert, press the **Enter** key on the computer's keyboard to begin conversion. Of course, you may also select **Esc (ESC)** to cancel data conversion.

To convert MODE DATA ITEMS in an SFD Business Card Library file to a Lotus 1-2-3 text file

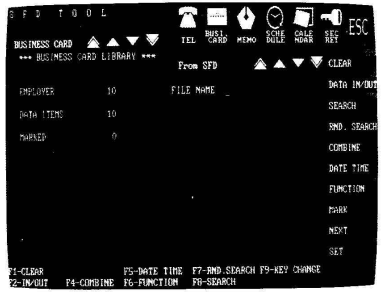
1. Select **BUSI.CARD** ( ) to enter the Business Card Library.
2. Select **FUNCTION (FUNCTION).**
3. Select **8 FILE CONVERT.**



4. Select **2 From SFD.**



5. Select **2 MODE DATA ITEMS.**



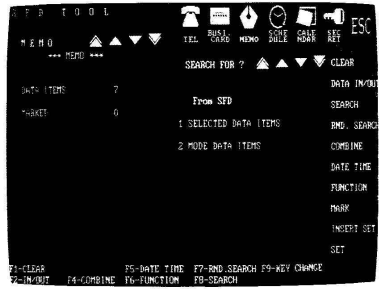
6. Enter the name of the Lotus 1-2-3 text file that will hold the converted SFD data.
   Note that you can also include the drive name in front of the filename, and that the extension .PRN is automatically added as the default.
7. Press the **Enter** key on the computer's keyboard to begin conversion. Of course, you may also select **Esc (ESC)** to cancel data conversion. If a file with the name you specify already exists, the message "OVERWRITE OK? (Y/N)" appears in the Data Display Window. Enter **Y** from the keyboard to replace the existing file with the converted file, or **N** to return to the filename input prompt.

To convert SELECTED DATA ITEMS in an SFD Memo file to a Lotus 1-2-3 text file

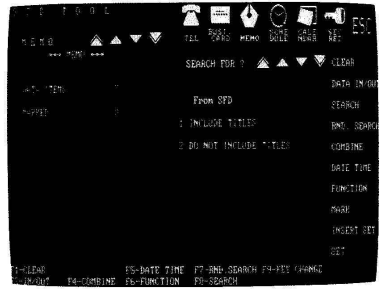
1. Select **MEMO ( )** to enter the Memo Mode.
2. Select **FUNCTION (FUNCTION).**
3. Select **8 FILE CONVERT.**



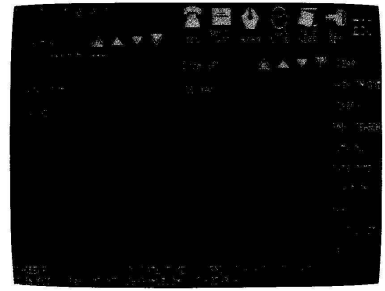
4. Select **2 From SFD.**



5. Select **1 SELECTED DATA ITEMS.**



6. Select **1 INCLUDE TITLES** or **2 DO NOT INCLUDE TITLES** (see page 62 for details).



7. Enter the name of the Lotus 1-2-3 text file that will hold the converted SFD data.
   Note that you can also include the drive name in front of the filename, and that the extension .PRN is automatically added as the default.
8. Press the **Enter** key on your computer's keyboard or select **SET (SET).**

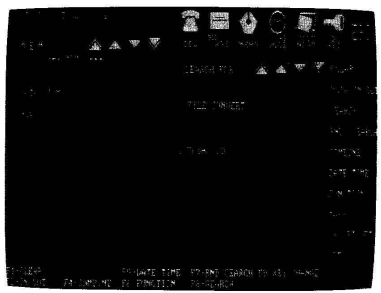
Note

If a file with the name you specify already exists, the message "OVERWRITE OK? (Y/N)" appears in the Data Display Window. Enter **Y** from the keyboard to replace the existing file with the converted file, or **N** to return to the filename input prompt.

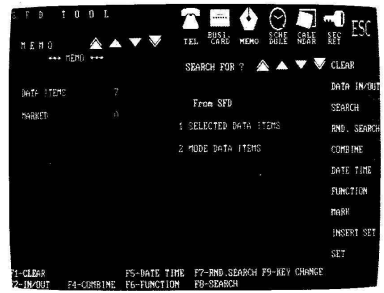
9. Use Index search procedures to locate the first data item you wish to include in the conversion.
10. Once you find the item you wish to convert, select **SET (SET)**. A © mark will appear to the left of selected item to indicate that it has been chosen for conversion.
11. You can now locate additional data items and specify them for conversion by selecting **SET (SET)**. You can also cancel a © mark by selecting the item again and selecting **SET (SET)**.
12. After you have selected all of the data items you wish to convert, press the **Enter** key on the computer's keyboard to begin conversion. Of course, you may also select **Esc (ESC)** to Cancel data conversion.

To convert MODE DATA ITEMS in an SFD Memo file to a Lotus 1-2-3 text file

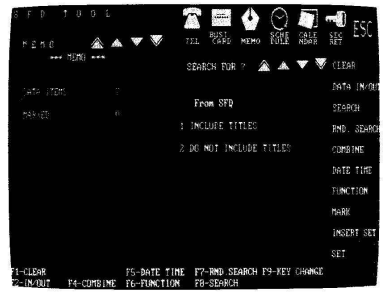
1. Select **MEMO (** **)** to enter the Memo Mode.
2. Select **FUNCTION (FUNCTION)**.
3. Select **8 FILE CONVERT.**



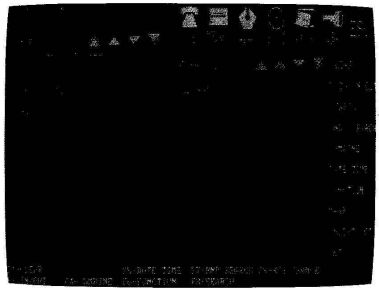
4. Select **2 From SFD.**



5. Select **2 MODE DATA ITEMS.**



6. Select **1 INCLUDE TITLES** or **2 DO NOT INCLUDE TITLES** (see page 62 for details).



7. Enter the name of the Lotus 1-2-3 text file that will hold the converted SFD data.
   Note that you can also include the drive name in front of the filename, and that the extension .PRN is automatically added as the default.
8. Press the **Enter** key on the computer's keyboard to begin conversion. Of course, you may also select **Esc (ESC)** to cancel data conversion.

Note

If a file with the name you specify already exists, the message "OVERWRITE OK? (Y/N)" appears in the Data Display Window. Enter **Y** from the keyboard to replace the existing file with the converted file, or **N** to return to the filename input prompt.

TECHNICAL APPENDIX

This section contains technical information concerning data conversions between SFD format and Lotus 1-2-3 Format.

Default Data Item Lengths

Telephone Directory		Business Card		Memo
NAME	32	EMPLOYER	32	All lines = 0
NUMBER	32	NAME	32	
ADDRESS	80	TEL NUMBER	12	
FREE 1	0	JOB POSITION	32	
FREE 2	0	DEPARTMENT	32	
FREE 3	0	P.O.BOX	12	
FREE 4	0	ADDRESS	64	
FREE 5	0	TELEX NUMBER	12	
FREE 6	0	FAX NUMBER	12	
		FREE 1	0	
		FREE 2	0	
		FREE 3	0	
		FREE 4	0	
		FREE 5	0	
		FREE 6	0	

Character Conversion Table

The following table shows how SFD TOOL handles special SFD characters when they are converted to ASCII text file format.

Code	After Converted	Code	After Converted	Code	After Converted	Code	After Converted	Code	After Converted	Code	After Converted	Code	After Converted
Á	A	Ô	O	â	a	Ñ	N	ü	u	º	o	Fr	space
É	E	Û	U	ê	e	IJ	space	ã	a	×	*	←	space
Í	I	¡	!	î	i	Æ	space	õ	o	÷	/	→	space
Ó	O	á	a	ô	o	Ç	space	ñ	n	±	space	√	space
Ú	U	é	e	û	u	Å	A	ij	space	°	space	§	space
À	A	í	i	¿	?	Φ	space	æ	space	²	2		
È	E	ó	o	Ä	A	β	space	ç	space	³	3		
Ì	I	ú	u	Ë	E	¶	space	å	a	μ	space		
Ò	O	à	a	Ï	I	¢	c	φ	space	1/2	space		
Ù	U	è	e	Ö	O	ä	a	£	space	1/4	space		
Â	A	ì	i	Ü	U	ë	e	¥	Y	3/4	space		
Ê	E	ò	o	Ã	A	ï	i	Ω	space	*f*	f		
Î	I	ù	u	Õ	O	ö	o	ª	a	|	space		

ASCII to SFD format conversion

When data is converted from ASCII text file format to SFD format, SFD TOOL reads each ASCII line as an SFD ***data item***.

10	10	15	
ITEM␣␣␣␣␣	PRICE␣␣␣␣␣	AVAILABILITY␣␣␣	ITEM 1
384750␣␣␣␣	25.05␣␣␣␣␣	5/13/89␣␣␣␣␣␣␣␣	ITEM 2
893475␣␣␣␣	62.35␣␣␣␣␣	8/24/90␣␣␣␣␣␣␣␣	ITEM 3
304935␣␣␣␣	2.67␣␣␣␣␣␣	10/4/90␣␣␣␣␣␣␣␣	ITEM 4

When you convert data from ASCII to SFD format, SFD TOOL takes into account the width of the column, adding spaces to fill up the entire column. In the above example, the PRICE column is 10 spaces wide, even though the longest text in the column is only five characters. Here, we would have to specify 11 for the length when converting to SFD format because of the spaces added at the end to make the column width 10, plus one more to account for the **Enter** operation at the end of the column.
Let's see what would happen if we make a mistake and specify a length of only 5 when converting the above data.

```
ITEM
PRIC
E       AVAILABIL
384750
25.0
5       5/13/89
893475
62.3
5       8/24/90
304935
2.67
        10/4/90
```

Since we did not allow for the full 10 spaces and the **Enter** key operation, everything following was automatically shifted down into the third entry. You should always be careful when specifying the data lengths during conversion from ASCII to SFD format.

SFD to ASCII format conversion

Files converted from SFD to ASCII text file format would appear as the following Telephone Directory example.

> "ANDERSON EDWARD", "262-361-5938", "78574 WEST AVENUE, DENVER, CO"
> "JONES KEN", "243-231-5726", "2-3-6 SOUTH ST., LOS ANGELES, CA"

- Each SFD data entry is enclosed in double quotation marks, and data entries are separated by commas.
- Each line is an SFD data item.
- Double quotation marks contained in a data entry are converted to a blank space.
- Each data item can be up to 240 characters long. Anything after the 240th character is cut off.

Data storage capacity

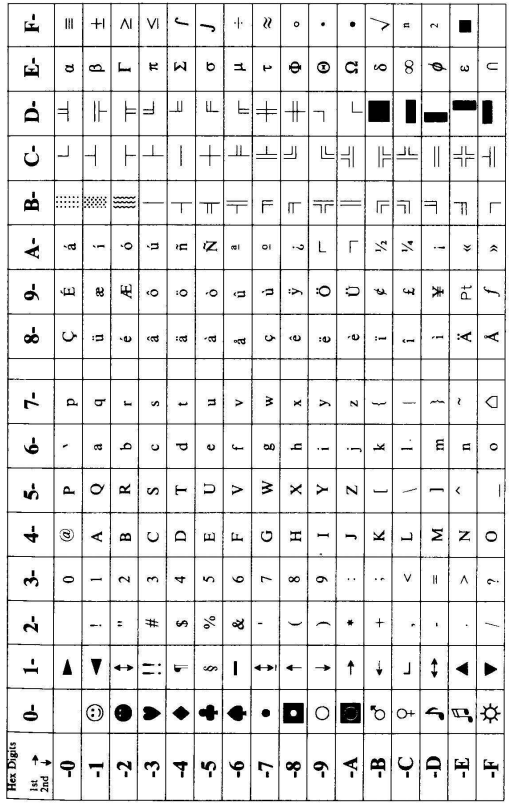
The following shows the SFD TOOL's maximum storage capacity in each mode. Note, however, that the actual amount of data that can be stored may be less because of the type of disk being used, the amount of free space available on the disk, etc.

Mode	No. of data
Telephone Directory	15,000
Business Card Library	15,000
Memo	15,000
Schedule Keeper	2,500

Character Code Tables

The following tables show the character codes applied for each of the selections available for the Character Code specification in the SFDINST.EXE installation program.

UNITED STATES



Hex Digits 1st → 2nd ↓	0-	1-	2-	3-	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0		►		0	@	P	`	p	Ç	É	á	⣿	└	ð	Ó	-
-1	☺	◄	!	1	A	Q	a	q	ü	æ	í	▒	┴	Ð	ß	±
-2	☻	↕	"	2	B	R	b	r	é	Æ	ó	▓	┬	Ê	Ô	=
-3	♥	!!	#	3	C	S	c	s	â	ô	ú	│	├	Ë	Ò	¼
-4	♦	¶	$	4	D	T	d	t	ä	ö	ñ	┤	─	È	õ	¶
-5	♣	§	%	5	E	U	e	u	à	ò	Ñ	Á	┼	ı	Õ	§
-6	♠	▬	&	6	F	V	f	v	å	û	ª	Â	ã	Í	µ	÷
-7	•	↨	'	7	G	W	g	w	ç	ù	º	À	Ã	Î	þ	¸
-8	◘	↑	(	8	H	X	h	x	ê	ÿ	¿	©	╚	Ï	Þ	°
-9	○	↓	)	9	I	Y	i	y	ë	Ö	®	╣	╔	┘	Ú	··
-A	◙	→	*	:	J	Z	j	z	è	Ü	¬	║	╩	┌	Û	·
-B	♂	←	+	;	K	[	k	{	ï	ø	½	╗	╦	▉	Ù	¹
-C	♀	∟	,	<	L	\	l	|	î	£	¼	╝	╠	▬	ý	³
-D	♪	↔	-	=	M	]	m	}	ì	Ø	¡	¢	═	¦	Ý	²
-E	♫	▲	.	>	N	^	n	~	Ä	×	«	¥	╬	Ì	-	■
-F	☼	▼	/	?	O	_	o	⌂	Å	ƒ	»	┐	¤	▬	´	

Hex Digits 1st → 2nd ↓	0-	1-	2-	3-	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0		►		0	@	P	`	p	Ç	É	á	⣿	└	╨	α	≡
-1	☺	◄	!	1	A	Q	a	q	ü	À	í	▒	┴	╤	β	±
-2	☻	↕	"	2	B	R	b	r	é	È	ó	▓	┬	╥	Γ	≥
-3	♥	!!	#	3	C	S	c	s	â	ô	ú	│	├	╙	π	≤
-4	♦	¶	$	4	D	T	d	t	ã	õ	ñ	┤	─	╘	Σ	⌠
-5	♣	§	%	5	E	U	e	u	à	ò	Ñ	╡	┼	╒	σ	⌡
-6	♠	▬	&	6	F	V	f	v	Á	Ú	ª	╢	╞	╓	µ	÷
-7	•	↨	'	7	G	W	g	w	ç	ù	º	╖	╟	╫	τ	≈
-8	◘	↑	(	8	H	X	h	x	ê	Ì	¿	╕	╚	╪	Φ	°
-9	○	↓	)	9	I	Y	i	y	Ê	Õ	Ò	╣	╔	┘	Θ	•
-A	◙	→	*	:	J	Z	j	z	è	Ü	¬	║	╩	┌	Ω	·
-B	♂	←	+	;	K	[	k	{	Ì	¢	½	╗	╦	▉	δ	√
-C	♀	∟	,	<	L	\	l	|	Ô	£	¼	╝	╠	▬	∞	ⁿ
-D	♪	↔	-	=	M	]	m	}	ì	Ù	¡	╜	═	▌	ϕ	²
-E	♫	▲	.	>	N	^	n	~	Ã	Pt	«	╛	╬	▐	ε	■
-F	☼	▼	/	?	O	_	o	⌂	Â	Ó	»	┐	╧	▬	∩	

CANADA-FRENCH

Hex Digits 1st → 2nd ↓	0-	1-	2-	3-	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0		▲		0	@	P	`	p	Ç	É	á	▒	└	╨	α	≡
-1	☺	▼	!	1	A	Q	a	q	ü	È	í	▓	┴	╤	β	±
-2	☻	↕	"	2	B	R	b	r	é	Ê	ó	▓	┬	╥	Γ	≥
-3	♥	‼	#	3	C	S	c	s	â	Ô	ú	▓	├	╙	π	≤
-4	♦	¶	$	4	D	T	d	t	Â	Ë	ñ	┤	─	╘	Σ	⌠
-5	♣	§	%	5	E	U	e	u	à	ï	Ñ	╡	┼	╒	σ	⌡
-6	♠	▬	&	6	F	V	f	v	¶	û	ª	╢	╞	╓	µ	÷
-7	•	↨	'	7	G	W	g	w	ç	ù	º	╖	╟	╫	τ	≈
-8	◘	↑	(	8	H	X	h	x	ê	¤	¿	╕	╚	╪	Φ	°
-9	○	↓	)	9	I	Y	i	y	ë	Ö	⌐	╣	╔	┘	Θ	•
-A	◙	→	*	:	J	Z	j	z	è	Ü	¬	║	╩	┌	Ω	·
-B	♂	←	+	;	K	[	k	{	ï	¢	½	╗	╦	▉	δ	√
-C	♀	∟	,	<	L	\	l	|	î	£	¼	╝	╠	▄	∞	n
-D	♪	↔	-	=	M	]	m	}	ì	¥	¡	╜	═	▌	ϕ	2
-E	♫	▲	.	>	N	^	n	~	Ä	₧	«	╛	╬	▐	ε	■
-F	☼	▼	/	?	O	_	o	⌂	Å	ƒ	»	┐	╧	▀	∩	

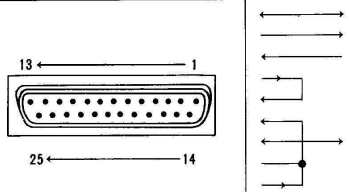
NORWAY

Hex Digits 1st → 2nd ↓	0-	1-	2-	3-	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0		▲		0	@	P	`	p	Ç	É	á	▒	└	╨	α	≡
-1	☺	▼	!	1	A	Q	a	q	ü	æ	í	▓	┴	╤	β	±
-2	☻	↕	"	2	B	R	b	r	é	Æ	ó	▓	┬	╥	Γ	≥
-3	♥	‼	#	3	C	S	c	s	â	ô	ú	▓	├	╙	π	≤
-4	♦	¶	$	4	D	T	d	t	ä	ö	ñ	┤	─	╘	Σ	⌠
-5	♣	§	%	5	E	U	e	u	à	ò	Ñ	╡	┼	╒	σ	⌡
-6	♠	▬	&	6	F	V	f	v	å	û	ª	╢	╞	╓	µ	÷
-7	•	↨	'	7	G	W	g	w	ç	ù	º	╖	╟	╫	τ	≈
-8	◘	↑	(	8	H	X	h	x	ê	ÿ	¿	╕	╚	╪	Φ	°
-9	○	↓	)	9	I	Y	i	y	ë	Ö	⌐	╣	╔	┘	Θ	•
-A	◙	→	*	:	J	Z	j	z	è	Ü	¬	╗	╩	┌	Ω	·
-B	♂	←	+	;	K	[	k	{	ï	ø	½	╝	╦	▉	δ	√
-C	♀	∟	,	<	L	\	l	|	î	£	¼	╜	╠	▄	∞	n
-D	♪	↔	-	=	M	]	m	}	ì	Ø	¡	╛	═	▌	ϕ	2
-E	♫	▲	.	>	N	^	n	~	Ä	Pt	«	┐	╬	▐	ε	■
-F	☼	▼	/	?	O	_	o	⌂	Å	ƒ	¤	┐	╧	▀	∩	

To delete all file contents

If it becomes necessary to erase all file contents because you forgot your secret password to simply to start anew, simply use the DOS copy command to replace all files on your work disk with new (unused) files from your SFD backup disk.

RS-232C Pin Configuration

Terminal number	Signal name	Pin connection	Direction
1	FG		
2	TXD		
3	RXD		
4	RTS		
5	CTS		
6	DSR		
7	GND		
8	DCD		
20	DTR		

Specifications

Model: FA-100

SFD TOOL SOFTWARE

Disk size: 3.5″ and 5″
Disk contents: SFD.EXE and SFDINST.EXE
Data storage: Telephone directory/business card library/memo function/ schedule keeper/calendar/secret function
Data transfer: SF Series unit ↔ personal computer
File convert: SFD format file ↔ ASCII text file

RS-232C INTERFACE

Communication method: Start-stop (Asynchronous) full duplex mode
Baud rate: 1200, 2400, 4800, 9600 BPS
Parity bit: even, odd, none
Bit length: 7 or 8 bits
Stop bit: 2 bits
Power supply: 5 AA size batteries
Power consumption: 0.5W
Battery life: Approximately 45 hours on UM-3 (50 hours on type R6P (SUM-3)).
Ambient temperature: 0°C ~ 40°C (32°F ~ 104°F)
Dimensions: 27.5H × 147W × 86mmD (1″H × 5¾″W × 3⅜″D)
Weight: 301 g (10.6 oz)

GUIDELINES LAID DOWN BY FCC RULES FOR USE OF THE UNIT IN THE U.S.A. (not applicable to other areas).

WARNING: This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ....reorient the receiving antenna
- ....relocate the equipment with respect to the receiver
- ....move the equipment away from the receiver
- ....plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/ television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to Identify and Resolve Radio-TV Interference Problems"

This booklet is available from the US Government Printing Office, Washington D.C., 20402, Stock No.004-000-00345-4.

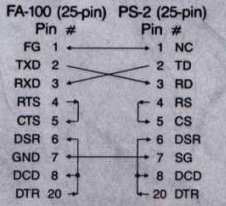
Requirements for data communication between a Digital Diary and a personal computer using the SFD TOOL

The following describes the hardware required for data communications between the SF-7000/7500/7600SP/8000/9000 and an IBM computer.

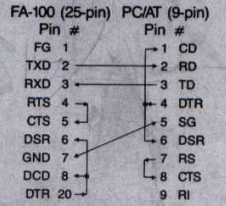
1. Personal Computer
   Model: IBM PC/AT or Personal System 2 (PS/2)
   RAM: At least 512KB
   Display type:
   PC/AT — EGA monitor + EGA board (CGA cannot be used)
   PS/2 — VGA monitor + VGA board (MGGA cannot be used)
   Graphic memory capacity:
   At least 256KB
   Data communication: RS-232C interface
2. RS-232C Cable
   Number of pins:
   PC/AT — 25 pins↔9 pins
   PS/2 — 25 pins↔25 pins
   To use a 25-pin ↔ 25-pin with the PC/AT, a 9-pin female ↔25-pin male conversion cable is required.

Wiring Diagram:

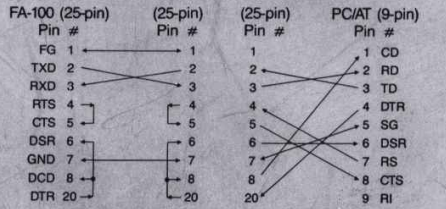
1) PS/2 (with 25-pin↔ 25-pin RS-232C cable)



2) PC/AT (with 25-pin ↔9-pin RS-232C cable)



3) PC/AT (with 25-pin↔25-pin RS-232C cable and 25-pin ↔9-pin conversion cable)

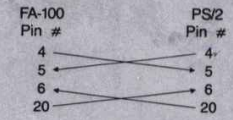


The above illustration shows the logical wiring arrangement. Other wiring can be used as long as it meets the following conditions:

PS/2

1. #2 of FA-100 is connected to #3 of PS/2.
2. #3 of FA-100 is connected to #2 of PS/2.
3. #7 of FA-100 is connected to #7 of PS/2.
4. #4 and #20 are data send pins, while #5 and #6 are data receive pins. Send pins must be connected to receive pins.

Example:





CASIO®

FA-100

RATING: DC 7.5V ⎓ 0.5W

use BATTERY 1.5V × 5

CASIO COMPUTER CO.,LTD.

FCC ID : BBQVX371
MADE IN JAPAN

Certified to comply with the limits for a Class B computing device pursuant to Subpart J of Part 15 of FCC Rules. See instructions if interference to radio reception is suspected.