Welcome to Wycom

Welcome to the Wycom family of automated check signing equipment. We have made a great effort to create a product that efficiently and effectively meets your automated check signing needs. This product carries a full 90 day hardware warranty and is now registered in your name. A warranty statement is located at the back of this manual.

Wycom is ready to assist you in the installation and operation of this equipment. Wycom technical support can be reached at 1-800-869-0236. So that we may better serve your needs, we ask that you carefully read this Installation and User's Guide and follow the instructions prior to contacting us.

YOUR REPRESENTATIVE IS:

Revision 3.5
March 2004

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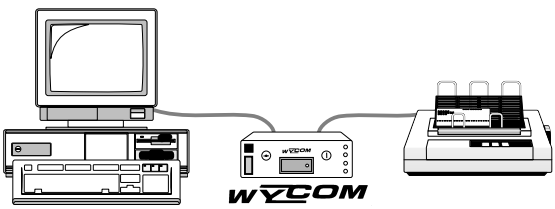
1

C H A P T E R

getting acquainted



UNPACKING

The contents are listed below. If any items are missing, call 1-800-869-0236 for assistance. Photograph #1 shows the contents of the WYCOM UNIT.

Package Contents

The WYCOM UNIT contents are:

1 This installation manual
1 WYCOM UNIT
1 Power Cord
1 DB-25 extension cable
2 Sets of keys

PHOTOGRAPH #1

HARDWARE FEATURES

1. POWER SWITCH:

- Located on the side of the Wycom, must be on to use your printer.

2. SYSTEM RESET:

- Located on the back of the Wycom.
- Clears information in the Wycom memory not sent to the printer
- Activates factory programmed offline signing features

FRONT CONTROL PANEL

3. EXECUTIVE KEYSWITCH:

- The **OFF** Position disables the signing features of the Wycom Unit for regular report printing.
- The **MANUAL** Position activates the manual check writing using the key board.
- The **PROGRAM** Position activates the programing of the manual check writing system.
- The **ONLINE** Position enables programmed check signing features of the Wycom unit.

4. SETUP KEYSWITCH:

- Positions 1 - 8 select different signing features (factory programmed) of the Wycom unit.
- Position 0 disables the signing features of the Wycom unit, permitting regular report printing.
- The TEST position prints the Wycom self test to the printer.

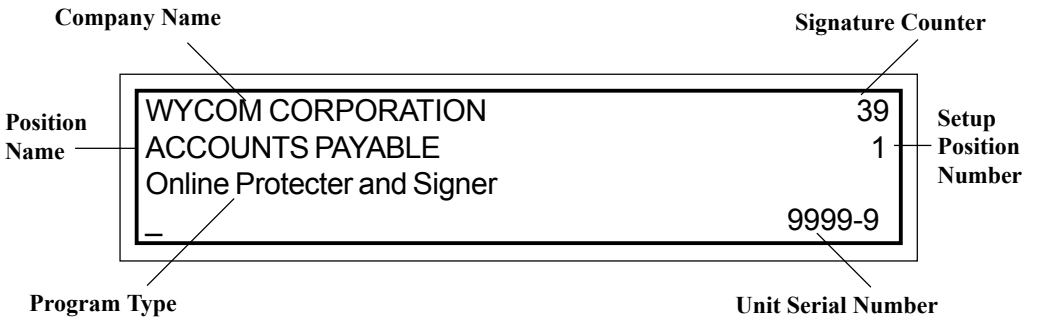
5. COMPUTER READY LIGHT:

- Glows green when the Wycom unit is ready to receive information from the computer.

6. PRINTER READY LIGHT:

- Glows green when the Printer is ready to receive information from the Wycom unit.

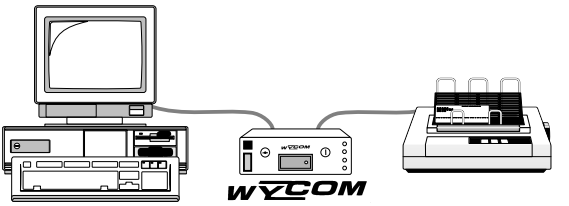
WYCOM UNIT DISPLAY SCREEN



2

C H A P T E R

setup



INSTALLING THE SIGNATURE CHIP (EPROM)

The signature chip may be installed for you already. If you need to install the EPROM, follow these instructions:

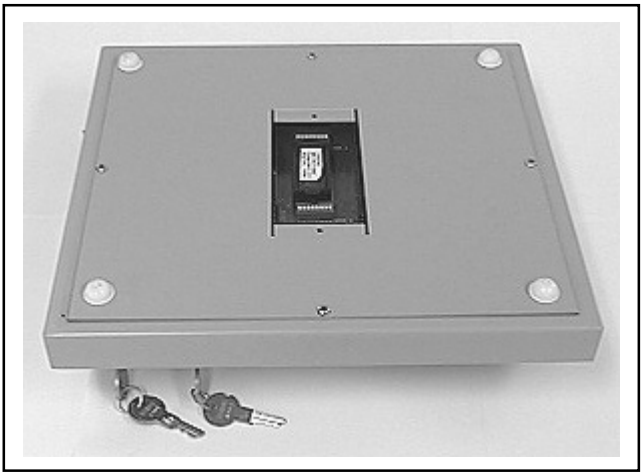
1. Turn the UNIT upside down.

2. Locate the small (2" x 4") access panel in the center of the unit. Remove the two screws and lift the panel off. Photograph #2 shows the bottom of the UNIT with the center access panel removed.

3. With the label facing up, push the signature chip into the socket mounted on the Circuit Board. The signature chip will fit into the socket only one way and should fit into place easily. If you encounter resistance, turn the signature chip in the other direction.

4. Replace the access panel and two screws.

SIGNATURE CHIP LOCATION



PHOTOGRAPH #2

SELECTING A LOCATION

Place the Wycom unit within six feet of the printer. The cable connecting the WYCOM to the printer is six feet long.

TURNING OFF THE PRINTER

PRIOR TO INSTALLATION:

1. Turn the printer off.
2. If you cannot locate this power switch, refer to the printer's user's guide

CONNECTING POWER TO THE WYCOM

1. Connect the black power cord supplied by Wycom to the back panel of the Wycom unit labelled "120VAC". Be sure the cord is firmly seated in the power cord socket. Photograph #3 shows the power cord socket location.

2. Connect the other end of the power cord to a standard 110 volt electrical outlet. **Caution: Use the Wycom supplied Power Cord only.**

POWER CORD SOCKET LOCATION

PHOTOGRAPH #3

DETERMINING PRINTER INTERFACE TYPE

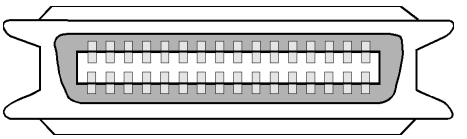
To complete the installation it is necessary to determine the printer interface type. To do this:

1. Go to the back of the printer.
2. Disconnect the printer cable at the back of your printer.
3. Look at the end of the cable.

If the cable end looks like illustration #1, your printer interface type is PARALLEL. Reconnect the printer cable to the printer and refer to the directions at the bottom of this page.

If the cable end looks like illustration #2, your printer interface type is SERIAL. Reconnect the printer cable to the printer and refer to the directions at the bottom of this page.

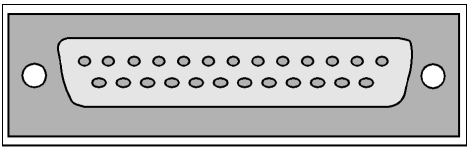
ILLUSTRATION #1



END VIEW OF PRINTER CABLE
CENTRONICS 36-PIN CONNECTOR

PARALLEL INTERFACE

ILLUSTRATION #2



END VIEW OF PRINTER CABLE
DB 25-PIN CONNECTOR

SERIAL INTERFACE

Where to go from here . . .

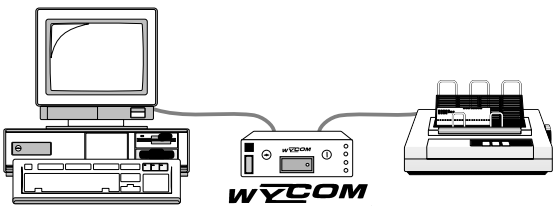
If your printer interface type is **PARALLEL,** please go directly to **CHAPTER 3**.

If your printer interface type is **SERIAL**, please go directly to **CHAPTER 4**.

3

C H A P T E R

parallel installation

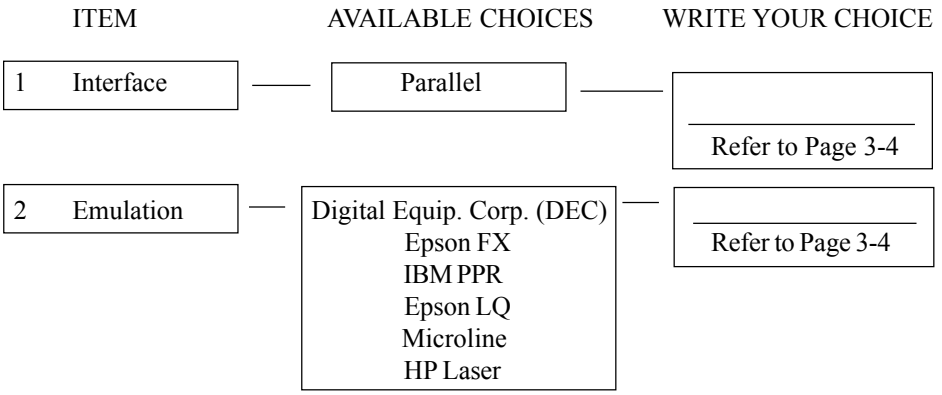


PARALLEL FLOW CHART

Correct installation of the Wycom requires proper configuration. To configure the Wycom unit follow the flow chart below. Fill in the necessary information in the spaces provided using your printer's configuration report.

- If you do not understand how to get a printer configuration report, check your printer manual.
- If you are unable to use the printer manual to get this information, call the **printer** technical support specialist and speak directly with them to gather the information below.

FLOW CHART



BI-DIRECTIONAL SETTINGS

The Wycom unit is a Centronics device, therefore:

➠ If you are connecting directly to a PC, go to the printer driver properties and turn off the bi-directional capabilities. *(Note: Some computers' BIOS settings also need to be changed to either standard, output only, normal, compatible, or Centronics).*

➠ If you are using an external jet direct box, set the interface to Centronics *(see jet administration utilities)*.

PRINTER DRIVERS

➠ For laser printers, select a compatible printer driver - PCL6 and Postscript (PS) drivers are not compatible.

PARALLEL INSTALLATION

If you have completed the information on **Page 3-2**, **Parallel Flow Chart**, please proceed.

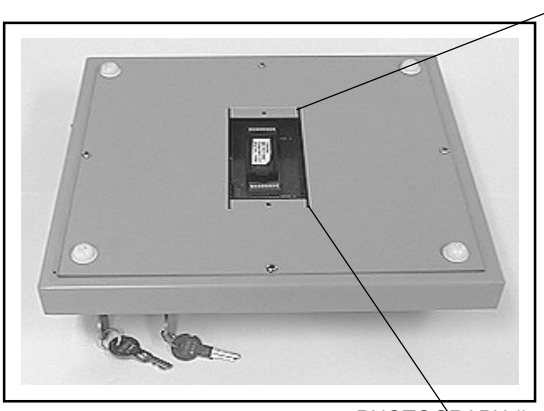
1. Turn the unit upside down.
2. Remove the two screws to the (2"x 4") Access panel of the Wycom unit.
3. Locate the banks of dip switches which are near the signature chip socket.

Photograph #4 shows the WYCOM UNIT switch locations.

Illustration #3 below shows more detail of the circuit board surface.

You may now proceed to **Page 3-4 — Interface Item #1**.

Switch Locations



PHOTOGRAPH #4

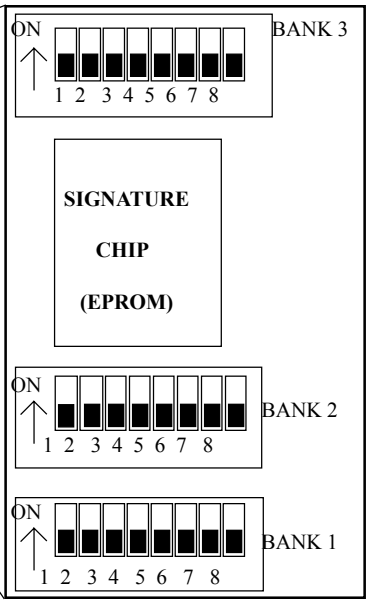


ILLUSTRATION #3

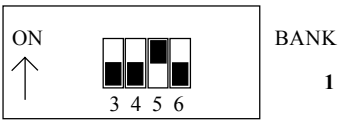
INTERFACE - ITEM #1

Having selected "parallel" on Item #1 of the **Parallel Flow Chart**, set BANK 1 switches 1 & 2 "off". If you have correctly set Bank 1, Switches 1 and 2 they should look like the diagram below:

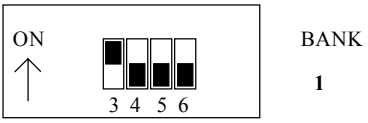
EMULATION - ITEM #2

On Item #2 of the **Parallel Flow Chart** you wrote down an **Emulation**. Find the diagram for your **Emulation** and set the switches on **BANK 1**. If you have correctly set Bank 1 Switches 3-6, they should look like the diagram below.

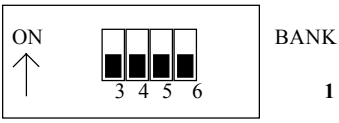
DIGITAL EQUIP. CORP. (DEC)



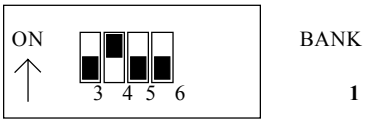
EPSON LQ



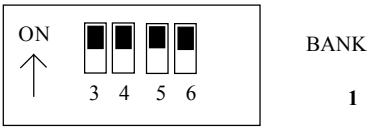
EPSON FX



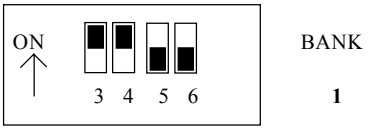
OKIDATA MICROLINE



IBM PPR



HP - LASER



PARALLEL INTERFACE CABLING

You are now ready to cable the WYCOM UNIT into the system. (Make sure the printer's power switch is off). IMPORTANT NOTE: **The cables used with the Wycom unit must be less than 6 feet, and must be IEEE-1284 compliant. Make sure the cables are securely tightened down, and verify that you are not using any switch boxes.**

1. Disconnect the printer cable from the computer.
2. Connect this end into the Wycom Parallel Printer Port.
3. Connect the Wycom supplied DB-25 extension cable into the Wycom parallel computer port.
4. Connect the other end of the DB-25 extension cable into the computer's printer port.

The completed installation should look like Photograph #5 below.

CABLE CONNECTIONS

PHOTOGRAPH #5

TURNING ON THE SYSTEM

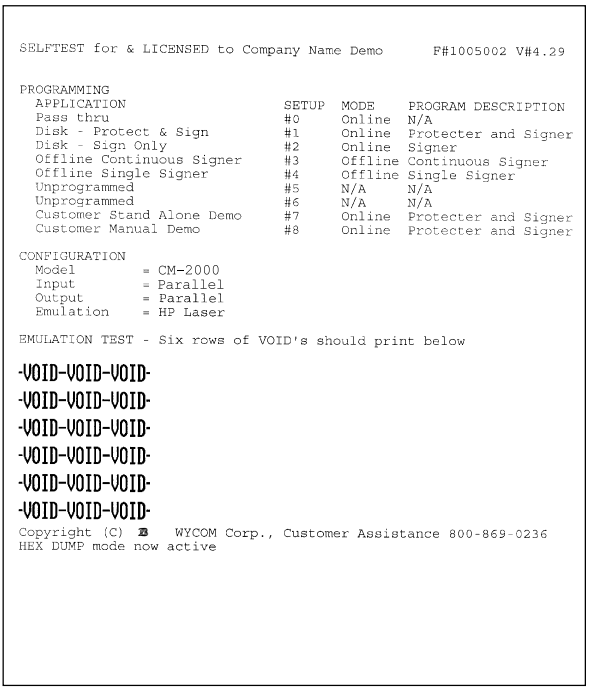
You have now completed configuration of the Wycom unit and are ready to turn on the system.

1. Turn ON your printer.
2. Turn ON the Wycom unit.
3. If you have not already done so, turn your computer ON.
4. To verify that you have properly completed the installation, complete the instructions on **Page 3-6 — Performing the Self-Test** *and* **Performing the Pass-Through Test**.

PERFORMING THE SELF-TEST

You are now ready to Perform the Self-Test which verifies the Wycom is communicating to the printer. Run the self-test:

1. Put blank paper in the printer.
2. Turn the SETUP Key-switch to the TEST position.
3. Turn the EXECUTIVE Keyswitch to the ONLINE position.
4. Confirm Computer and Printer Ready lights are on.
5. Press the RESET button.
6. The printer should begin printing. Verify that the information printed matches the illustration to the right.
7. If you have problems or questions, please see Appendix A - Trouble Shooting.



```
SELFTEST for & LICENSED to Company Name Demo      F#1005002 V#4.29

PROGRAMMING
  APPLICATION                    SETUP  MODE    PROGRAM DESCRIPTION
  Pass thru                      #0     Online  N/A
  Disk - Protect & Sign          #1     Online  Protecter and Signer
  Disk - Sign Only               #2     Online  Signer
  Offline Continuous Signer      #3     Offline Continuous Signer
  Offline Single Signer          #4     Offline Single Signer
  Unprogrammed                   #5     N/A     N/A
  Unprogrammed                   #6     N/A     N/A
  Customer Stand Alone Demo      #7     Online  Protecter and Signer
  Customer Manual Demo           #8     Online  Protecter and Signer

CONFIGURATION
  Model        = CM-2000
  Input        = Parallel
  Output       = Parallel
  Emulation    = HP Laser

EMULATION TEST - Six rows of VOID's should print below

-VOID-VOID-VOID-
-VOID-VOID-VOID-
-VOID-VOID-VOID-
-VOID-VOID-VOID-
-VOID-VOID-VOID-
-VOID-VOID-VOID-
Copyright (C) ®   WYCOM Corp., Customer Assistance 800-869-0236
HEX DUMP mode now active
```

PERFORMING THE PASS-THROUGH TEST

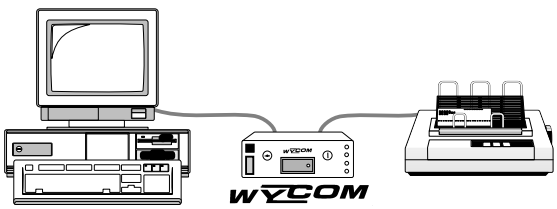
The Pass-Through Test verifies the computer-to-Wycom communication. Run the Pass-Through Test as follows:

1. Turn the Setup Keyswitch to “0”
2. Turn the Executive Keyswitch to “Online.”
3. Verify the Computer Ready and Printer Ready lights are on.
4. Print a check, or a report.
5. Verify the printout of the Pass-Through Test is printed as you expect.
6. You are now ready to run applications. See Chapter 5.
7. If you have problems or questions, please See Appendix A - Trouble Shooting.

4

C H A P T E R

serial installation



SERIAL FLOW CHART

Correct installation of the Wycom requires proper configuration. To begin this process, fill in the seven blanks below using your printer configuration report.

- If you do not understand how to get a printer configuration report, check your printer manual.
- If you are unable to use the printer manual to get this information, call the **printer** technical support specialist located in the back of the manual and speak directly with them to gather the information below.

FLOW CHART

ITEM	AVAILABLE CHOICES	WRITE YOUR CHOICE
1 Interface	Serial	_____ Refer to Page 4-4
2 Emulation	Digital Equip. Corp. (DEC) Epson FX IBM PPR Epson LQ Microline HP Laser	_____ Refer to Page 4-4
3 Protocol	XON/XOFF or READY/BUSY	_____ Refer to Page 4-5
4 Data Bits/Parity	8 None or 7 Even	_____ Refer to Page 4-5
5 Input Baud Rate	9600 / 19200 / 38400 / 4800 1200 / 2400 / 115K	_____ Refer to Page 4-5
6 Output Baud Rate	9600 / 19200 / 38400 / 4800	_____ Refer to Page 4-6
7 Busy Line	SSD or DTR or RTS	_____ Refer to Page 4-6

SERIAL INSTALLATION

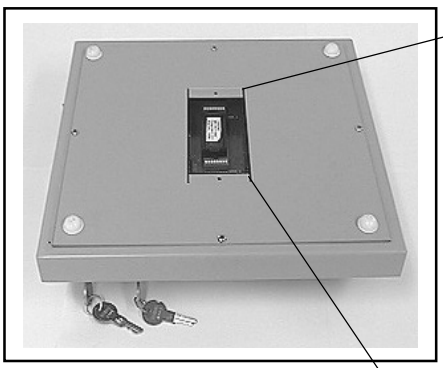
If you have completed the information on **Page 4-2 -- Serial Flow Chart**, please proceed.

1. Turn the unit upside down.
2. Remove the two screws to the 2 x 4" Access panel on the bottom of the Wycom unit.
3. Locate the banks of dip switches which are near the signature chip socket.

Photograph #6 shows theWYCOM UNIT switch locations and Illustration #4 below shows more detail of the circuit board surface.

You may now proceed to **Page 4-4 — Interface Item #1.**

Switch Locations



PHOTOGRAPH #6

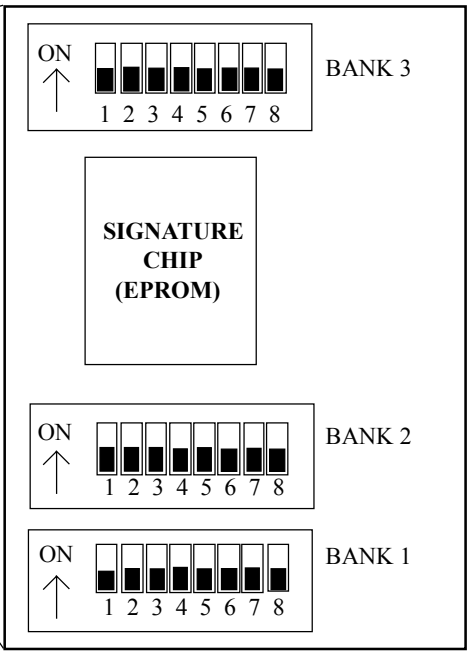


ILLUSTRATION #4

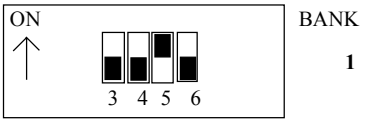
INTERFACE - ITEM #1

Having selected "serial" on Item #1 of the Serial Flow Chart, set BANK 1 switches 1 & 2 "on". If you have correctly set Bank 1, Switches 1 and 2 they should look like the diagram below:

EMULATION - ITEM #2

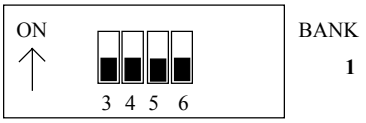
On Item #2 of the **Serial Flow Chart** you wrote down an **Emulation**. Find the diagram for your **Emulation** and set the switches on **BANK 1**. If you have correctly set Bank 1 Switches 3-6, they should look like the diagram below:

DIGITAL EQUIP. CORP. (DEC)

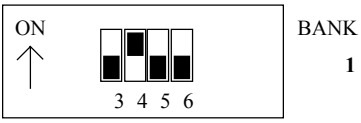


EPSON LQ

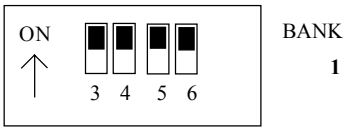
EPSON FX



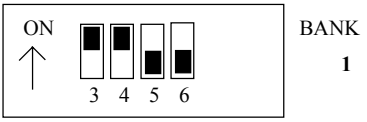
OKIDATA MICROLINE



IBM PPR



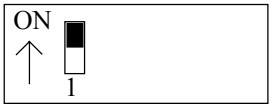
HP - LASER



PROTOCOL - ITEM #3

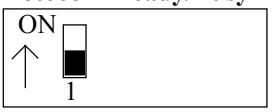
On Item #3 of the **Serial Flow Chart** you selected either "XON/XOFF" or "READY/ BUSY" for **Protocol.** Set Bank 2 Switch 1 according to one of the diagrams below.

Protocol - XON/XOFF



BANK **2**

Protocol - Ready/Busy

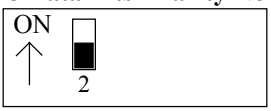


BANK **2**

DATA BITS/PARITY - ITEM #4

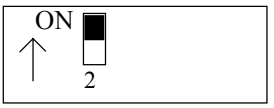
On Item #4 of the **Serial Flow Chart** your choice was "7" or "8" for Data Bits. Set Bank 2 Switch 2 according to one of the diagrams below.

8 Data Bits - Parity None



BANK **2**

7 Data Bits - Parity Even

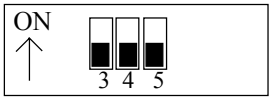


BANK **2**

INPUT BAUD RATE - ITEM #5

Using the **Input Baud Rate** you recorded on the **Serial Flow Chart,** set Bank 2, Switches 3-5 according to one of the diagrams below.

Baud Rate - 9600

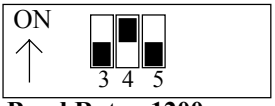


BANK **2**

Baud Rate - 19200

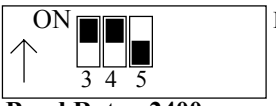
BANK **2**

Baud Rate - 38400



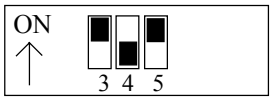
BANK **2**

Baud Rate - 4800



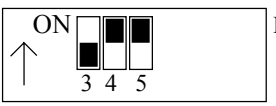
BANK **2**

Baud Rate - 1200



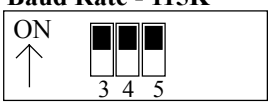
BANK **2**

Baud Rate - 2400



BANK **2**

Baud Rate - 115K

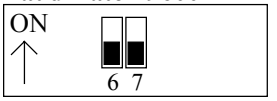


BANK **2**

OUTPUT BAUD RATE - ITEM #6

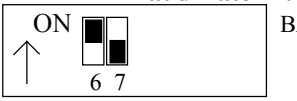
Using the Input Baud Rate you recorded on the Serial Flow Chart, set Bank 2 Switches 6-7 according to one of the diagrams below.

Baud Rate - 9600



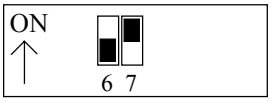
BANK **2**

Baud Rate - 19200



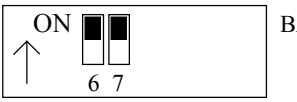
BANK **2**

Baud Rate - 38400



BANK **2**

Baud Rate - 4800



BANK **2**

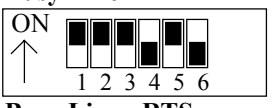
BUSY LINE - ITEM #7

On Item #7 of the Serial Flow Chart you selected “SSD”, “DTR” or “RTS” for BUSYLINE. Set Bank 3 Switches 1-6 according to one of the diagrams below.

Busy Line - SSD

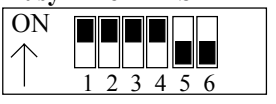
BANK **3**

Busy Line - DTR



BANK **3**

Busy Line - RTS



BANK **3**

SERIAL INTERFACE CABLING

You are now ready to cable the WYCOM UNIT into the system. (Make sure the printer's power switch is off).

1. Disconnect the printer cable from the printer.
2. Connect this end into the Wycom Serial Computer Port.
3. Connect the Wycom supplied DB-25 extension cable into the Wycom serial printer port.
4. Connect the other end of the DB-25 extension cable into the printer.

The completed installation should look like Photograph #7 below.

CABLE CONNECTIONS

PHOTOGRAPH #7

TURNING ON THE SYSTEM

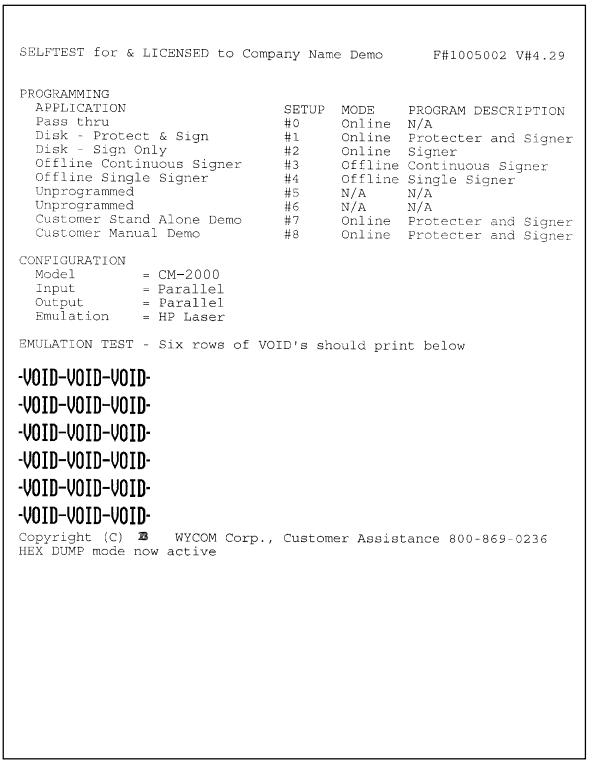
You have now completed configuration of the Wycom unit and are ready to turn on the system.

1. Turn ON your printer.
2. Turn ON the Wycom unit.
3. If you have not already done so, turn your computer ON.
4. To verify that you have properly completed the installation, complete the instructions on **Page 4-8 — Performing the Self-Test** *and* **Performing the Pass-Through Test** before running your applications.

PERFORMING THE SELF-TEST

You are now ready to Perform the Self-Test which verifies the Wycom is communicating to the printer. Run the self-test:

1. Put blank paper in the printer.
2. Turn the SETUP Key-switch to the TEST position.
3. Turn the EXECUTIVE Keyswitch to the ONLINE position.
4. Confirm Computer and Printer Ready lights are on.
5. Press the RESET button.
6. The printer should begin printing. Verify that the information printed matches the illustration to the right.
7. If you have problems or questions, please see Appendix A - Trouble Shooting.



```
SELFTEST for & LICENSED to Company Name Demo      F#1005002 V#4.29

PROGRAMMING
  APPLICATION                    SETUP  MODE     PROGRAM DESCRIPTION
  Pass thru                      #0     Online   N/A
  Disk - Protect & Sign          #1     Online   Protecter and Signer
  Disk - Sign Only               #2     Online   Signer
  Offline Continuous Signer      #3     Offline  Continuous Signer
  Offline Single Signer          #4     Offline  Single Signer
  Unprogrammed                   #5     N/A      N/A
  Unprogrammed                   #6     N/A      N/A
  Customer Stand Alone Demo      #7     Online   Protecter and Signer
  Customer Manual Demo           #8     Online   Protecter and Signer

CONFIGURATION
  Model       = CM-2000
  Input       = Parallel
  Output      = Parallel
  Emulation   = HP Laser

EMULATION TEST - Six rows of VOID's should print below

-VOID-VOID-VOID-
-VOID-VOID-VOID-
-VOID-VOID-VOID-
-VOID-VOID-VOID-
-VOID-VOID-VOID-
-VOID-VOID-VOID-
Copyright (C) ■   WYCOM Corp., Customer Assistance 800-869-0236
HEX DUMP mode now active
```

PERFORMING THE PASS-THROUGH TEST

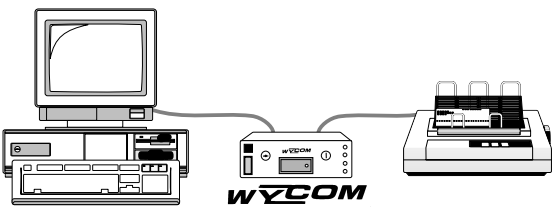
The Pass-Through Test verifies the computer-to-Wycom communication. Run the Pass-Through Test as follows:

1. Turn the Setup Keyswitch to “0”
2. Turn the Executive Keyswitch to “Online.”
3. Verify the Computer Ready and Printer Ready lights are on.
4. Print a check, a or report.
5. Verify the printout of the Pass-Through Test is printed as you expect.
6. You are now ready to run applications. See Chapter 5.
7. If you have problems or questions, please See Appendix A - Trouble Shooting.

5

CHAPTER

operations



RUNNING APPLICATIONS

Before you continue, refer to the Self-test printout. Find the application you desire. The application you choose operates in one of three MODES:

- **Online** = Computer used to activate operation.
- **Offline** = WYCOM reset button used to activate Stand alone operation.
- **Manual** = Keyboard used to activate operation.

The following directions for the application mode you chose.

ONLINE MODE

1. Make sure the WYCOM unit Power switch is ON.
2. Ready your computer and printer as you would normally.
3. Turn the Wycom's Setup Keyswitch to the number of the chosen application.
4. With the Executive Keyswitch OFF, print any alignment forms this application requires.
5. Turn the Executive Keyswitch to ONLINE.
6. Run your application.

OFFLINE MODE

1. Turn the Setup Keyswitch to the programmed offline signer.
2. Turn the Executive Keyswitch to ONLINE.
3. Ready your printer with the documents you need to sign. (If your printer uses Tractor feed paper, adjust the document in the printer with the printhead 1/2" above the signature line. Laser printers need no paper alignment).
4. Push the "System Reset" button on the back of the Wycom unit. The Wycom unit begins signing each document. (Signing stops** when the printer runs out of paper or by turning off the printer).

MANUAL MODE FOR OFFLINE SIGNING

1. Turn the Wycom off
2. Attach a keyboard to the back of the WYCOM
3. Turn the WYCOM on
4. Turn the Setup Keyswitch to the Offline Signer Position
5. Turn the Executive Keyswitch to MANUAL
6. Enter the number of checks to sign

** Offline Single Signer automatically stops after printing one document.

Manual Checks

To activate manual programming for a position, turn the Executive Keyswitch to the "MANUAL". Turn the Setup Keyswitch to the programmed manual position. The keyboard must be connected, and the unit must be turned on.

The WYCOM UNIT uses the following keys to navigate through the screens:

Page-up	Goes to the previous screen. PGUP will not go before screen #1.
Page-down	Goes to the next screen. PGDN will stop at the last screen and prompt "PRINT Y/N"
UP ARROW	To move to the previous field on the screen.
DOWN ARROW	To move to the next field on the screen.
<ENTER>	To complete entry of data and move to the next field.

Data Entry

Screen #1 is the first of two screens displaying the payee name and address. Any field may be left blank. However, the payee name should always be specified.

Screen #1

```
Date :   10-21-2000 Check No: 1
Payee:   John Doe
Add 1:   1234 Anyplace Way
Add 2:
```

Screen #2

```
Add 3:
City :   Anytown
State:   USA
Zip  :   12345
```

After the payee name and address information has been entered, the user will be prompted with a series of Item Screens. The Item number and the Total are automatically generated. The user can enter an amount and a discount amount. The date, reference and description may also be entered on this page. The reference number and description may be entered or left blank. (These fields are added for the convenience of the user. The reference number, for example, could be used to refer to a purchase order number).

Item Screen

```
Item: 1        Date: 12-20-99
Amnt:11.00     Ref : Item A Reference
Disct 1.00     Desc: Description A
Total 10.00
```

Item Screen

Item: 2	Date: 12-21-99
Amnt: 12.00	Ref : Item B Reference
Disct 2.00	Desc: Description B
Total 10.00	

When all items have been entered, the user should leave the next Item Screen blank. This will prompt the WYCOM UNIT to display the Totals Screen. The maximum number of items is determined by the printable area of the stub. If the stub is small, few line items can be entered. If the stub is long, many items can be entered. When the maximum number of items is reached, the WYCOM UNIT will automatically go to the Totals Screen.

Item Screen

Item: 3	Date:
Amnt:	Ref :
Disct	Desc:
Total	

The Totals Screen will appear after the last item has been entered or an Item Screen has been left blank. The Total will be automatically generated. The user may enter a memo on this screen, and may also enter the number of copies to generate.

Totals Screen

Total:	**20.00**
memo:	No Memo
#copy:	1

The Print Screen is the last screen prior to generating a manual check. The user MUST answer 'Y' in order for the WYCOM UNIT to generate a manual check. At any time, prior to printing the check, the user may Page Up to previous screens, and modify the information entered.

Print Screen

Print Y/N:

After the user enters 'Y' to the "Print Y/N" prompt, a manual check will be sent to the laser printer.

The WYCOM UNIT will then display screen #1. Note that the date and the check number are automatically generated.

Date :	10-21-2000 Check No: 2
Payee:	
Add 1:	
Add 2:	

Manual Report

The WYCOM UNIT can print a report of manual check writing to a connected printer. To access the manual report, turn the WYCOM UNIT to MANUAL/0. A screen similar to the following will appear:

```
Manual Report:  Avail   Used    Remain
P  -  Print     448     2       446
C  -  Clear
                Enter Option:
```

P – Print	When the user presses the letter "P", the manual report will be printed.
C – Clear	When the user presses the letter "C", the manual report will be cleared.
Avail	This indicates the total number of manual report entries available.
Used	This indicates the number of used manual report entries.
Remain	This indicates the number of remaining manual report entries.

Generating a Manual Report

1. At the main manual report screen, press the letter "P". A message similar to the following will appear:

```
The printer must be on!
Continue? (Y/N):
```

2. Make certain the printer is on and is connected, then press the letter "Y". The manual report will be sent to the printer and a message similar to the following will appear:

```
Print Job Sent
Press any key to continue
```

3. Press any key on the keyboard to continue.

Clearing a Manual Report

After each manually generated check is sent to the printer, a description of the check is stored in non-volatile memory in the WYCOM UNIT. Once a manual report is generated, the user should clear the memory to create space for new descriptions to be stored. If the manual report memory is never cleared, the WYCOM UNIT memory will become completely full, and the WYCOM UNIT will not maintain a record of newly created checks. The old check descriptions will always be maintained until the manual report is cleared.

(Continued on page 5-5)

To clear the manual report:

1. At the main manual report screen, press the letter "C". A message similar to the following will appear:

```
THIS WILL CLEAR THE MANUAL REPORT!
Continue? (Y/N):
```

Press the letter 'Y' to clear the manual report.

Blank Check Maker

This feature is available for MICR laser programming with form printing.

To activate the blank check feature, turn the Executive Keyswitch to "PROGRAM." Turn the Setup Keyswitch to number 2. The keyboard must be connected, and the unit must be turned on.

```
BLANK CHECK MAKER
Position (1-8)  7
Check Start #  1
Num Checks  3
```

Type position of the MICR solution with check form you desire press enter.
Type the check start # and press enter.
Type number of checks to print and press enter.

The WYCOM UNIT will print blank checks with sequential check numbers.

Auto Check Number Feature

This feature is available for MICR laser programming.

To activate the Auto Check Number Feature, install a comoatible keyboard in the back of the Wycom Unit and turn the unit on. Turn the Executive Key to "PROGRAM" and the Setup Key to number 3. The following screen will appear:

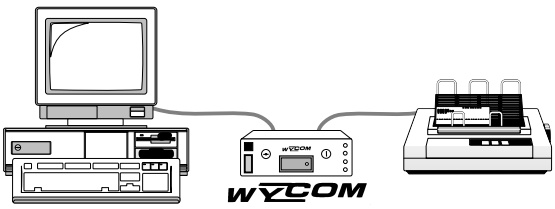
```
Automatic Check Number Setup Screen
Enter Position (1-8)
```

1. Type the setup key position number that requires a starting check number. The following scree will appear:

```
Position 1
Old:
New:
```

2. The cursor will be on "New." Type the starting check number and press enter.
3. Repeat steps 1 and 2 for each postion that requires a starting check number.
4. Once the starting check numbers are entered, you are ready to print checks. Turn the Executive Key to Online and the Setup Key to the desired position.
5. As your checks print, the WYCOM UNIT will automatically generate and increment the check numbers.

appendix



TROUBLESHOOTING THE WYCOM

SYSTEM ACTION	*POSSIBLE PROBLEM*
SELF TEST PROBLEMS	• Check the Printer's Configuration Report and compare it to The Wycom Dip Switch Settings.
PASS THROGH PROBLEMS	• Make Sure bi-directional settings are off and interface is Centronics. Try Bank 1 - Sw 8 On.
COMPUTER READY ..... off	• Wycom buffer is possibly full.
COMPUTER READY ..... flickering	• Normal when information is in the process of being sent to the Wycom.
PRINTER READY ..... off	• Verify the printer is Online, with paper in it, and ready to print.
PRINTER READY ..... flickering	• Normal when information is in the process of being sent to the printer.
UNIT will not sign checks or signs in wrong location on check.*	• Verify the "ARROW" on the SETUP Keyswitch is pointing at the position of your application. Check your Self-Test printout for the position number of your application. • Verify the Executive Keyswitch is pointing at "ONLINE, PROGRAM, OR MANUAL".

If problems persist, please call WYCOM Technical Support at 1-800-869-0236.
Be prepared with the following information:

1. Your printer's configuration printout.
2. Your Wycom unit's dip switch settings.
3. Your Wycom's Self-Test printout.
4. The sample of the problem.
5. The position of the Executive Keyswitch and the position of the Setup Keyswitch.

* The WYCOM UNIT is programmed to the characteristics of the corresponding .prn file. The .prn file consists of the operating system, software, printer driver and printer driver properties. If any of these are changed after a PRN file is created, the programmed **EPROM will not work!**

APPENDIX B

DIP SWITCH QUICK REFERENCE

BANK 1: INTERFACE & EMULATION

COMPUTER INTERFACE	SW1
Parallel	Off
Serial	On

PRINTER INTERFACE	SW2
Parallel	Off
Serial	On

Emulation	SW3	SW4	SW5
FX or IBM	Off	Off	Off
LQ	On	Off	Off
MICROLINE	Off	On	Off
LASER	On	On	Off
DEC	Off	Off	On

RESERVED	SW6

RESERVED	SW7

Parallel Timing	SW8
Standard	Off
Non Standard	On

BANK 2: SERIAL PORT PROTOCOL

XON RDY/BUSY	SW1
Ready/Busy	Off
Xon/Xoff	On

Bits/Parity/Stop	SW2
8, none, 1	Off
7, even, 1	On

Input baud	SW3	SW4	SW5
9600	Off	Off	Off
19200	On	Off	Off
38400	Off	On	Off
4800	On	On	Off
-reserved-	Off	On	On
1200	On	Off	On
2400	Off	On	On
115K	On	On	On

Output baud	SW6	SW7
9600	Off	Off
19200	On	Off
38400	Off	On
4800	On	On

	SW8
LASER	
Normal-speed	Off
High-speed	On
DOT MATRIX	
Process dot matrix control codes	Off
Ignore dot matrix control codes	On

BANK 3: SERIAL PORT HANDSHAKE

SERIAL INPUT PORT HANDSHAKE (FROM COMPUTER)

Connect DSR to: RTS, DTR, SSD- or +5V

Busy/Ready Line:	SW1	SW2	SW3	SW8
Busy/Ready Pin 4 RTS	On			
Busy/Ready Pin 20 DTR		On		
Busy/Ready Pin 11 SSD-			On	
Always Ready (+5V) Pin 20 DTR				On

SERIAL OUTPUT PORT HANDSHAKE (TO PRINTER)

Connect CTS to: RTS, DTR SSD- or +5V

Busy/Ready Line:	SW4	SW5	SW6	SW7
Busy/Ready Pin 4 DSR	On			
Busy/Ready Pin 20 DTR		On		
Busy/Ready Pin 11 SSD-			On	
Always Ready (+5V)				On

GLOSSARY

BAUD RATE Commonly, a reference to the speed at which a modem can transmit data.

BUSY LINE The physical pin numbers on a connector containing voltage signals that inform the sending device to stop or start sending information.

DATA BITS Sometimes referred to as Word Length or the number of bits that make a character.

EPROM Computer chip that contains the signature and programming information for the Wycom unit.

PARITY An additional bit used in some SERIAL interface types. This bit is used for error checking each character that is sent on the SERIAL interface data system.

PASS THROUGH Permits regular report printing. Wycom features disabled.

PRINTER INTERFACE TYPE The method of data transmission either Serial or Parallel.

PROTOCOL The way SERIAL interfaces inform each other to stop or start sending information. The two ways to do this are:

Xon/Xoff Sends a character to the sending device to stop or start the flow of information.

Ready/Busy Uses BUSY Lines to the sending device to stop or start the flow of information.

LIMITED SOFTWARE WARRANTY TERMS

EXTENSION AND SCOPE OF WARRANTY
Wycom Corporation warrants each software product ("EPROM") that meets Wycom's warranty conditions, purchased by End User against defective workmanship and materials for a period of ninety (90) days from the date of original shipment of hardware unit from manufacturer under normal use and service. This warranty shall not extend to any transferee of End User. This warranty does not extend to any product which has been subject to misuse, abuse, accident, improper installation, or modification, alteration, or repair outside Wycom Facilities, or changes to End User's computer system, or application in any way.

LIMITED WARRANTY REMEDIES
MANUFACTURER'S REPRESENTATIVES AND/OR END USERS **SOLE AND EXCLUSIVE REMEDY** FOR ANY LOSS OR DAMAGES ARISING OUT OF PRODUCT DEFECT SHALL BE **LIMITED TO REPAIR OR REPLACEMENT** OF THE DEFECTIVE PRODUCT OR PART, AT THE OPTION OF WYCOM.

LIMITATION OF WARRANTY AND CLAIMS
"THERE ARE **NO IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR THE PARTICULAR PURPOSE** AND THERE ARE NO OTHER IMPLIED WARRANTIES OF ANY NATURE WHATSOEVER." **THE EXPRESS WARRANTY SET FORTH IN THIS AGREEMENT IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED.** To the maximum extent permitted by law, **WYCOM DISCLAIMS LIABILITY FOR ANY AND ALL LOSSES OR DAMAGES,** (including, without limitation, any special, incidental, consequential, direct or indirect losses or damages to person or property, loss of business or business profits, business interruption, loss of business information or any pecuniary loss), whether or not based on warranty, contract, or negligence, arising out of or caused in whole or in part by the actions of Wycom in connection with the manufacture, sale and use of the Wycom product.

LIMITED HARDWARE WARRANTY TERMS

EXTENSION AND SCOPE OF WARRANTY
Wycom Corporation warrants to the original purchaser of each Wycom hardware product, that it will be free from defects in materials for a period of ninety (90) days from the date of original shipment from manufacturer under normal use and service. This warranty shall not extend to any transferee of End User. This warranty does not apply to defects due, directly or indirectly, to misuse, abuse, negligence, accident, repairs or alterations to the product outside our facilities, or changes in End User's computer system, or application in any way.

WYCOM RESPONSIBILITIES-LIMITED REMEDIES
Wycom must be notified of any warranty claim prior to the expiration of the warranty period. Wycom will then authorize the return of the product with insurance and charges prepaid.

MANUFACTURER'S REPRESENTATIVES AND/OR END USERS **SOLE AND EXCLUSIVE REMEDY** FOR ANY LOSS OR DAMAGES ARISING OUT THE PRODUCT DEFECT SHALL BE **LIMITED TO REPAIR OR REPLACEMENT** OF THE PRODUCT, OR AT WYCOM'S SOLE DISCRETION, **WYCOM MAY REFUND THE PURCHASE PRICE** IF REPAIR OR REPLACEMENT CANNOT BE READILY ACCOMPLISHED.

Wycom will return the repaired product or replacement at Wycom's expense, but if is determined there is no defect or the warranty claim was otherwise improper, then you must bear the cost of repair or replacement of the product. Wycom will inform you of the estimated charge and give you the option to either authorize repairs or request a return of the unrepaired unit.

LIMITATION OF WARRANTY AND CLAIMS
THERE ARE **NO IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR THE PARTICULAR PURPOSE** AND THERE ARE NO OTHER IMPLIED WARRANTIES OF ANY NATURE WHATSOEVER.

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