

**System
Integration**

GA33-0067-3

3720 3721

Communication Controllers

IBM

IBM 3720 Models 1, 2, 11, and 12
IBM 3721 Models 1 and 2
Communication Controllers
System Integration

System/370, 30xx, 4300
and 9370 Processors

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Changes are made periodically to the information herein. Any such changes will be reported in subsequent revisions or Technical Newsletters. Before using this publication in connection with the operation of IBM systems, consult the *latest IBM System/370, 30xx, and 4300 Processors Bibliography*, GC20-0001, for the editions that are applicable and current.

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Warning: This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

In addition to the above FCC statement, you should be aware that:

- The statement applies only to IBM 3720/3721 Communication Controllers used in the USA and having a label on the back that indicates compliance.
- The phrase **instruction manual** means this manual and the following 3720/3721 communication Controller manuals:

For installation information:

3720/3721 Planning and Site Preparation Guide, GA33-0061

3720/3721 Configuration Guide, GA33-0063

3720 Model 1 Feature Addition Instructions, GA33-0110

3720 Model 11 Feature Addition Instructions, GA33-0111

3720 Model 2 Setup Instructions, GA33-0112

3720 Model 12 Setup Instructions, GA33-0113

3721 Models 1 and 2 Setup Instructions, GA33-0114

For user information:

3720/3721 Extended Services, GA33-0066

Preface

This manual is intended for the customer personnel in charge of preparing the integration of an IBM 3720 to a communication network. It contains step-by-step instructions describing the system integration tasks.

It is assumed that the 3720 has been setup and checked out successfully.

It is also assumed that you, being in charge of system integration, are familiar with communication controllers and networking.

Technical changes in this edition are denoted by a revision bar to the left of the changed information.

There are three ways of integrating your 3720:

1. System integration at 3720 first installation, or after relocation, or after removal of the 3721. Go to page iv.
2. System integration when the 3720 has been upgraded with a 3721. Go to page v.
3. System integration when the 3720/3721 has been upgraded with new communication features, or downgraded (cables and cassettes, or cables only). Go to page vi.

Before you start, read this manual through and ensure that you have all the materials required for the appropriate integration procedure.

Note: Should you have any problem in deciding where to start, ask your Installation Coordinator.

System Integration at 3720 First Installation, or Relocation, or After Removal of the 3721

Carry out this integration according to the following steps, starting at STEP 1. You must follow these instructions in the sequence indicated.

Checking the worksheets required for System Integration	Step 1
Attaching the consoles to the 3720 and checking for compatibility	Steps 2 to 23
Initializing the 3720	Steps 24 to 27
Logging on at the console	Steps 28 to 30
Familiarizing yourself with the 3720 function menu	Steps 31 to 33
Using the password management function	Steps 34 to 51
Using the configuration data file (CDF) function to define the speeds of the direct-attached lines	Steps 52 to 54 and Steps 57 to 66
Using the line description file function to update the line characteristics and compute the line weights	Steps 67 to 78
Using the link IPL port function to define the characteristics of the SDLC link ports (link-attached 3720 Model 2 or 12 only)	Steps 79 to 86
Checking the remote support facility (RSF) with the IBM Hardware Central Service (only if you have the RSF attachment) ..	Steps 87 to 88
Using the disk functions to save data on the backup diskettes	Steps 89 to 101
Using the IPL 3720 function	Steps 102 to 107

System Integration when the 3720 Has Been Upgraded with a 3721

Carry out this integration according to the following steps, starting at STEP 1. You must follow these instructions in the sequence indicated.

Checking the worksheets required for the System Integration	Step 1
Initializing the 3720	Steps 24 to 27
Logging on at the console	Steps 28 to 30
Familiarizing yourself with the 3720 function menu	Steps 31 to 33
Using the password management function	Steps 34 to 51
Using the configuration data file function to define the speeds of the direct-attached lines	Steps 52 to 54 and Steps 57 to 66
Using the line description file functions to update the line characteristics and compute the line weights	Steps 67 to 78
Using the link IPL port function to define the characteristics of the SDLC link ports (link-attached 3720 Model 2 or 12 only)	Steps 79 to 86
Using the disk functions to save data on the backup diskettes	Steps 89 to 101
Using the IPL 3720 function	Steps 102 to 107

System Integration When the 3720/3721 Has Been Upgraded with New Communication Features, or Downgraded, (Cassettes and Cables, or Cables only) - PASS 1

You do this integration when the **3720/3721 Feature Addition Instructions** or **3720/3721 Setup Instructions** (or the person carrying out the upgrading or downgrading) request you to update the configuration data file.

You first update the configuration data file, then perform the other setup and system integration tasks. Therefore, the tasks are split into two groups: PASS 1 and PASS 2. Perform PASS 1, then return to the *Feature Addition Instructions* or *Setup Instructions* for the remaining setup tasks. Then perform PASS 2 (on next page) when requested to do so in the *Feature Addition Instructions* or *Setup Instructions*.

Carry out the integration according to the following steps, starting at STEP 28. You must follow the instructions in the sequence indicated.

Logging on at the console	Steps 28 to 30
Familiarizing yourself with the 3720 function menu	Steps 31 to 33
Using the configuration data file function to upgrade the new configuration	Step 52 and Steps 54 to 57
Using the configuration data file function to check that the display configuration matches the new upgraded, or downgraded configuration	Steps 63 to 66

When you have completed PASS 1, return to the *Feature Addition Instructions* or *Setup Instructions* at the point where you left them.

System Integration When the 3720/3721 Has Been Upgraded with New Communication Features, or Downgrading, (Cassettes and Cables, or Cables only) - PASS 2

You do this integration when the **3720/3721 Feature Addition Instructions** or **3720/3721 Setup Instructions** (or the person carrying out the upgrading or downgrading) requests you to do so. This will be when the upgrading or downgrading is complete.

Carry out the integration according to the following steps, starting at STEP 28. You must follow the instructions in the sequence indicated, and perform PASS 1 before PASS 2.

Checking the worksheets required for the System Integration	Step 1
Initializing the 3720	Steps 24 to 27
Logging on at the console	Steps 28 to 30
Familiarizing yourself with the 3720 function menu	Steps 31 to 33
Using the password management function	Steps 34 to 51
Using the configuration data file function to update the speeds of the direct-attached lines.	Steps 52 to 54 and Steps 57 to 62
Using the line description file function to update the line characteristics and compute the line weights	Steps 67 to 78
Using the link IPL Port function to define the characteristics of the SDLC link ports	Steps 79 to 86
Using the disk functions to save data on the backup diskettes	Steps 89 to 101
Using the IPL 3720 function to initialize the 3720	Steps 102 to 107

Checking the Worksheets Required for System Integration

If you are integrating when the 3720 is upgraded with a 3721 or with new communication features, or downgraded, (PASS 1 only), go to STEP 28.

Obtain from your installation coordinator the:

- Requirements Sheet
- IPL Port Sheet
- Console Sheet
- Plugging Sheet

These sheets were taken from the **3720/3721 Configuration Guide** and filled out at the configuration stage.

They contain the information required for some of the integration functions.

Do you have these sheets?

NO - Contact your installation coordinator
 YES - See below

- If integrating when the 3720 is first installed, or relocated, or after removal of the 3721, go to STEP 2.
- If integrating when the 3720 is upgraded with a 3721 or with new communication features, or downgraded, (PASS 2 only), go to STEP 24.

Requirements Sheet

#	Line Destination	Line Protocol	Line Speed	Line Weight	Line Interface	LIC Type	Modem		Line Name

IPL Port Sheet - Part A

	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8

IPL Port Sheet - Part B

SDLC Controller Address	Disable Timer	Link Activity Timer

Console Sheet

Operator Console

Remote Support Facility

Console Description	Modem Description	
	3720 side:	
Cable Description	Cable Description	Options/Switches ON, OFF, ANY

Plugging Sheet

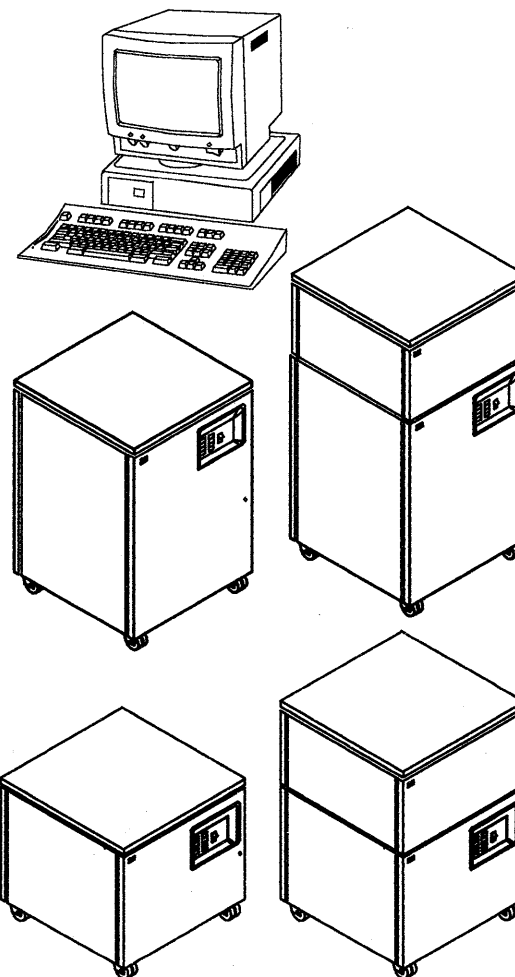
Line Dest. & Interface	LIC Type & Pos.	Port Address	#	Controller Clocking	Cable Group/ Part Number	Cable Length

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Attaching Console(s) to your 3720

Before starting, check that:

1. The 3720 has been powered off after the completion of the setup.
2. The console(s) and/or the modem(s) or data circuit-terminating equipment (DCEs) to be attached have been placed on the site and prepared for attachment according to their documentation.
3. You obtained a completed Console Sheet and the 3720 keys from your Installation Coordinator.
4. Go to STEP 3.



Attaching Console(s) (Continued)

5. You have received the IBM-supplied cables for local and remote attachment, and they have been placed on the site and labeled at both ends according to the **3720/3721 Planning and Site Preparation Guide**, GA33-0061.

6. IBM PC local console connection:

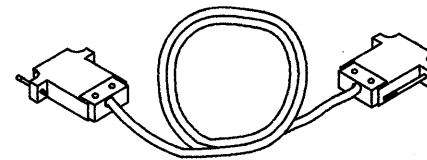
You must attach the IBM PC to the 3720 with a special cable for local console operation. The cable you should use is an assembly of two cables, the standard local console cable, part number 6398736, and a short cable, part number 7837400, which adapts the 3720 local console to the PC COM1 port.

IBM PC remote console connection:

For remote console operation, a modem attachment cable such as the IBM PC communications adapter cable, or an equivalent V.24/RS232-C cable, must be used to attach the IBM PC to a modem.

External modems with a "voice/data" switch should be used in preference to PC internal modems for remote console operation. The IBM PC emulation program cannot switch between character and block modes automatically. Internal modems require character mode to receive modem commands, while the IBM 3720 only uses block mode.

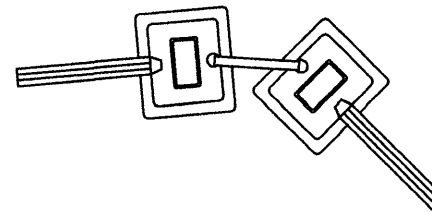
7. Go to STEP 4.



part number 6398736



part number 7837400



Using the Console Sheet

The Console Sheet was filled in at the configuration stage.

1. Check that you have the sheet related to your 3720 unit **A**.

Check the serial number in **B** and ensure that it matches your 3720.

2. You will use the Console Sheet for attaching the console later.
3. Go to STEP 5.

CONSOLE SHEET

37-- Model: A	PU Name:
Serial Number: B	Order Number:

Operator Console

Console Description
Cable Description

Remote Support Facility

Modem Description		
3720 side:		
Cable Description	Options/Switches	ON, OFF, ANY

Remote Operator Console

Console Description	Modem Description		Modem Description	
	3720 side:		Remote console side:	
Cable Description	Options/Switches	ON, OFF, ANY	Options/Switches	ON, OFF, ANY

Checking the Required Console

1. The local or remote console for your 3720 must be one of the following:

- An IBM 3161 Model 11 or 12 with 3101 emulation
- An IBM 3163 Model 11 or 12 with 3101 emulation
- An IBM 3164 Model 11 or 12 with 3101 emulation
- An IBM PC 5150, 5155, 5160, 5170, or 5550 with asynchronous communication adapter, or equivalent, and 3101 emulation program (Program Number 6024042). Refer to your PC documentation or IBM marketing representative if in doubt.
- An IBM 3101 Model 23
- Any other equipment that is equivalent to the IBM 3101 Model 2x.

2. Check that your local or remote console **A** is the one specified on your Console Sheet. If not, contact your Installation Coordinator.

3. Go to STEP 6.

CONSOLE SHEET

37-- Model:	PU Name:
Serial Number:	Order Number:

Operator Console **A** Remote Support Facility

Console Description	Modem Description		
	3720 side:		
Cable Description	Cable Description	Options/Switches	ON, OFF, ANY

Remote Operator Console **A**

Console Description	Modem Description		Modem Description	
	3720 side:		Remote console side:	
Cable Description	Options/Switches	ON, OFF, ANY	Options/Switches	ON, OFF, ANY

Checking the Operating Characteristics of your Local or Remote Console

1. To communicate with the 3720, your local or remote console must emulate the IBM 3101 Display Station. The table below gives the required operating characteristics of your local or remote console.

Machine mode	IBM 3101
Operating mode	Block
Interface	RS232C
Line control	(Permanent request-to-send) (PRTS)
Line speed	2400 bps for a local console 1200 bps for a remote console
Parity	Even
Turnaround character	DC3 (X'13', decimal '19')
Stop bit	2
Word length	7
Response delay (ms)	100
Break signal (ms)	500

Note: The two stop bits for the console provide a long stop that will handle low quality transmissions.

2. Does your console have these characteristics?

YES - If attaching:

- A local console, go to STEP 15.
- A remote console, go to STEP 13.
- An RSF link, go to STEP 14.

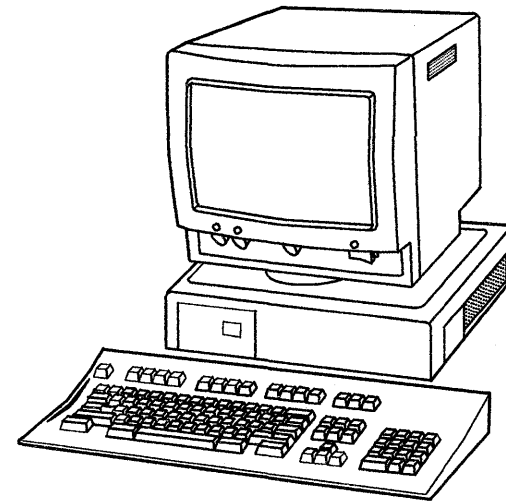
NO -

- a. If you have an IBM 3161, 3163, and 3164, go to STEP 7.
- b. If you have an IBM PC 5150, 5155, 5160, 5170, or 5550, go to STEP 9.
- c. If you have an IBM 3101, go to STEP 11.
- d. If you are in Brazil and you want to attach a console to a 3720 Model 2 or 12, call your IBM service representative. Replace the keytop labels using the **adhesive keytop labels**, part number 65X9510, enclosed in the customer package.
- e. If you have any other type of console, refer to its documentation and set the operating conditions described in the table. Then:

- If attaching a remote console, go to STEP 13.
- If attaching an RSF link, go to STEP 14.

Setting the Required Operating Characteristics for the IBM 3161, 3163, or 3164

1. Select the required characteristics by using the setup menu and the select menu (refer to the description of setup menu values in *IBM 3161/3163 ASCII Display Station Description*, GA18-2310).
2. Go to STEP 8.



Setting the Setup Values for the IBM 3161, 3163, or 3164

1. Enter the values shown in the setup and select menus.
The select menu should be used after you have entered IBM 3101 for machine mode on the setup menu.
2. If attaching:
 - A local console, but you do not have an RSF link, go to STEP 15.
 - A remote console, go to STEP 13.
 - A local console, and you also have an RSF link, go to STEP 14.

Sample Setup Menu:

SETUP MENU			
MACHINE MODE	IBM 3101		
OPERATING MODE	BLOCK		
	MAIN PORT		AUXILIARY PORT
INTERFACE	RS232C:		
LINE CONTROL	PRTS:		
LINE SPEED (BPS)		*	*
PARITY	EVEN		EVEN
TURNAROUND CHARACTER	DC3		
STOP BIT	2		2
WORD LENGTH (BITS)	7	**	7
RESPONSE DELAY (MS)	100	**	
BREAK SIGNAL (MS)	500	**	
TERMINAL ID:	<div style="border: 1px solid black; width: 100px; height: 1.2em; display: flex; align-items: center;"> (UP TO 20 ALPHANUMERIC CHARACTERS ARE ALLOWED.) </div>		

* 1200 for Remote Console 2400 for Local Console

** These appear on an IBM 3161 only for machine mode = IBM 3101

Sample Select Menu:

SELECT: SCROLL=OFF RETURN=CR LINE WRAP=ON AUTOLF=ON SEND= PAGE NULL SUPP=ON

Setting the Required Operating Characteristics for the IBM PC 5150, 5155, 5160, or 5170

1. Hardware requirements:

To use an IBM PC for IBM 3720 MOSS console emulation, the PC must have:

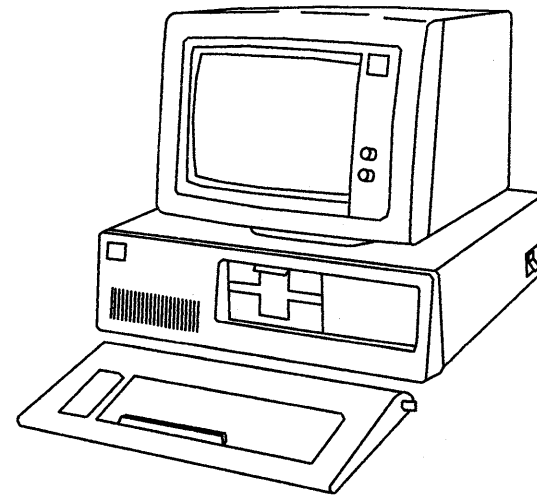
- The IBM 3101 Emulation Program
- An asynchronous communications port configured as COM1 (primary asynchronous adapter).

Refer to the option instructions for the asynchronous communication adapter in the **IBM PC Guide to Operations** manual for information on the installation and configuration of the adapter.

2. Software requirements:

The 3101 emulation program must be installed and operational on the IBM PC. For a description of how to set up the required communication operations, see the **IBM 3101 Emulation Program** manual.

3. Go to STEP 10.



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Setting the Required Values for the IBM PC 5150, 5155, 5160, 5170, or 5550

1. Set the required values by answering the IBM PC 3101 emulation setup menu as shown below.

```
Line Speed [Baud Rate] to be used? [300]: 1200 bps remote console or
                                         2400 bps local console

Block Mode? [Y=Block N=Character] [N]: Y
Parity? [1=Odd 2=Even 3=Mark 4=Space] [2]: 2
Stop Bits? [1 or 2] [1]: 2
Automatic Line Feed? [Y=Yes N=No] [N]: Y
Carriage Return? [Y=CR N=CR-LF] [Y]: Y
Null Suppress? [Y=Yes N=No] [Y]: Y
Character Sent at End of Message?
  [1=ETX 2=CR 3=EOT 4=XOFF] [2]: 4
Scrolling? [Y=Yes N=No] [Y]: N
```

2. If attaching:

- A local console, but you do not have an RSF link, go to STEP 15.
- A remote console, read the warning below, then go to STEP 13.
- A local console and you also have an RSF link, read the warning below, then go to STEP 14.

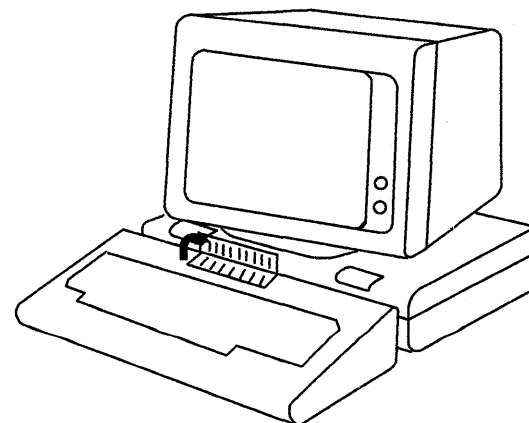
Warning: Some modems disconnect from the switched network as soon as the carrier wave drops, so it may be necessary to set the modem at the PC side of the line to 'RTS Permanent'. Refer to your modem documentation.

Setting the Required Operating Conditions for the IBM 3101

1. If you have an IBM 3101, you must select the required operating characteristics.

For more detailed information, refer to the *IBM 3101 Display Terminal Description*, GA18-2033.

2. Locate the switches in the IBM 3101 keyboard. Use a coin to open the cover.
3. Go to STEP 12.



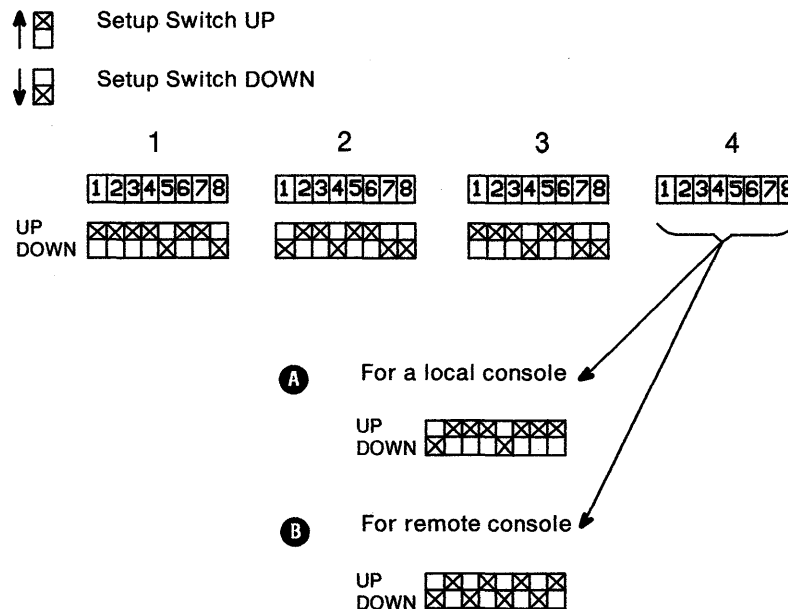
12 ☐

Setting the IBM 3101 Setup Switches

1. Use a ballpoint pen or pencil to push the switches up or down.
2. Position the setup switches in groups 1, 2, and 3 as shown.

Position the setup switches in group 4:

- If you use the IBM 3101 as a local console, as shown in **A**
 - If you use the IBM 3101 as a remote console, as shown in **B**
3. If attaching:
 - A local console, but you do not have an RSF link, go to STEP 15.
 - A remote console, go to STEP 13.
 - A local console, and you also have an RSF link, go to STEP 14.



IBM 3101 Display Station Setup Switch Layout

Checking the Modems Required for the Remote Console

- Check that the modems **A** required for communication between your remote console and the 3720 are one of the following:
 - IBM 5841 or equivalent (compatible with Bell 212A) or CCITT V.22bis (1200 bps) in the USA and Canada
 - IBM 5842 or equivalent (with switch on front panel set to half speed)
 - CCITT V.22 alternate B or V.22bis (1200 bps) in other countries.
- Your modems must ensure the following operating characteristics.

Modem at the 3720 site

Connection over a switched line
 Duplex operation
 Asynchronous transmission
 Auto-answer
 Transmission speed V.22B: 1200 bps
 Transmission speed V.22bis: 1200 bps

Modem at the Remote Console Site

Connection over a switched line
 Duplex operation
 Asynchronous transmission
 Manual dialing
 Transmission speed V.22B: 1200 bps
 Transmission speed V.22bis: 1200 bps

- If you also have an RSF link, go to STEP 14. Otherwise go to STEP 15.

CONSOLE SHEET

37-- Model:	PU Name:
Serial Number:	Order Number:

Operator Console

Console Description
Cable Description

Remote Support Facility

Modem Description		
3720 side:		
Cable Description	Options/Switches	ON, OFF, ANY

Remote Operator Console

Console Description	Modem Description A		Modem Description	
	3720 side:		Remote console side:	
Cable Description	Options/Switches	ON, OFF, ANY	Options/Switches	ON, OFF, ANY

Warning: Refer to the modem documentation to ensure that you have not set any modem operating characteristics that are incompatible with the 3720.

For example, some modems might provide "test mode." Set to "no test mode" to enable communication with a 3720.

Checking the Modem Required for the Remote Support Facility

The remote support facility (RSF) provides a set of direct operational support applications from the Remote Technical Assistance Information Network (RETAIN).

1. Check that the modem **A** required for your RSF link is one of the following:

- IBM 5841 or equivalent (compatible with Bell 212A) in the USA and Canada
- CCITT V.23 in other countries.

2. To communicate with the 3720 and RSF, the modem must have the following operating characteristics.

Modem direct-attached to the 3720 (USA/Canada)	Modem direct-attached to the 3720 (other countries)
Connection over a switched line Duplex transmission Synchronous transmission Auto-answer feature Transmission speed: 1200 bps Clocking: modem clock	Connection over a switched line Half-duplex transmission Synchronous transmission Auto-answer feature Transmission speed: 1200 bps Clocking: DTE

3. Go to STEP 15.

CONSOLE SHEET

37-- Model:	PU Name:
Serial Number:	Order Number:

Operator Console

Console Description
Cable Description

Remote Support Facility

	Modem Description A	
	3720 side:	
Cable Description	Options/Switches	ON, OFF, ANY

Remote Operator Console

Console Description	Modem Description		Modem Description	
	3720 side:		Remote console side:	
Cable Description	Options/Switches	ON, OFF, ANY	Options/Switches	ON, OFF, ANY

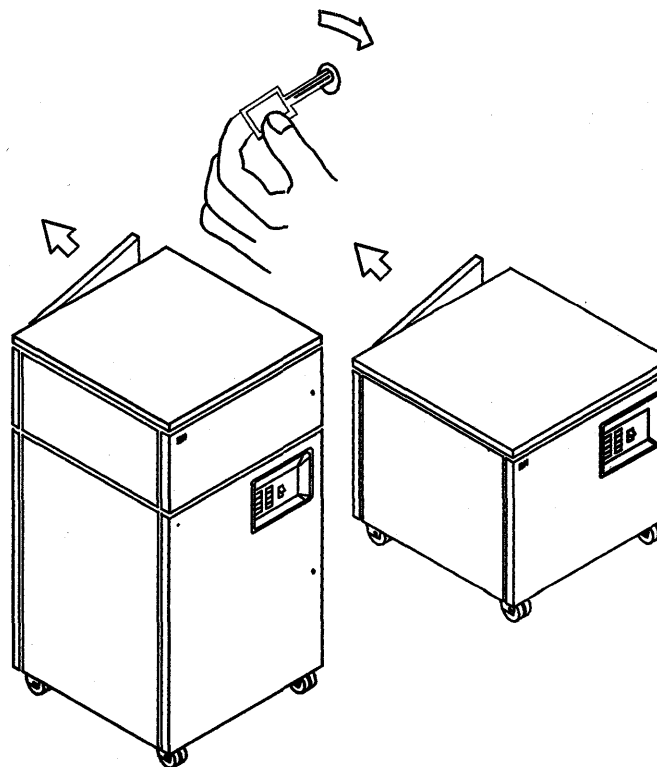
Warning: Refer to the modem documentation to ensure you have not set any modem operating characteristics that are incompatible with the 3720.

For example: Some modems might provide "test mode". Set "no test mode" to enable the communication with a 3720 Communication Controller.

Opening the 3720 or 3721 Rear Doors

1. Insert the key.
2. Turn the key clockwise to open the rear door.
3. Put the key in a safe place.
4. Go to STEP 16.

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Locating the 3720 Sockets for Console Connection

1. Find the three console sockets. Ensure that all three sockets are empty. If not empty, remove any wrap blocks that are installed.
2. Go to STEP 17.

Attaching a Local Console

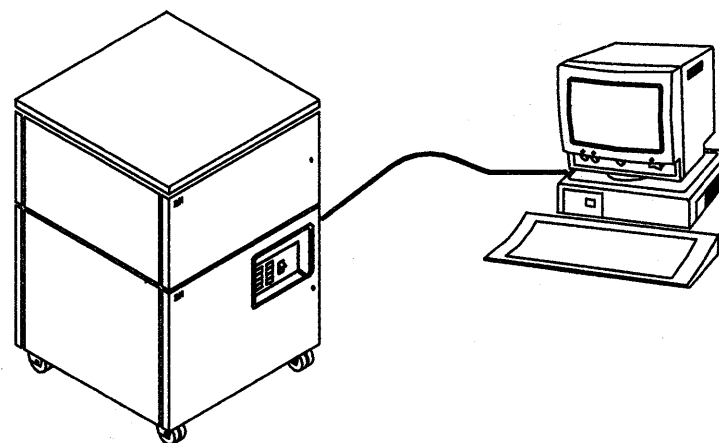
1. If you are not attaching a local console, go to STEP 18.
2. Find the console cable, part number 6398736.

If your local console is an IBM PC, you must use a short cable, part number 7837400, and attach it to the above console cable. This short cable will adapt the console cable to the PC COM1 port.

3. Push the 3720 end of the console cable firmly into the 3720 socket labeled "DIRECT-ATT."
4. Attach the other end of the console cable to the local console (using the console documentation).

If your local console is an IBM PC, attach the end of the short cable to the IBM PC COM1 port.

5. Go to STEP 20.



Local Console Attachment

Attaching the Remote Console

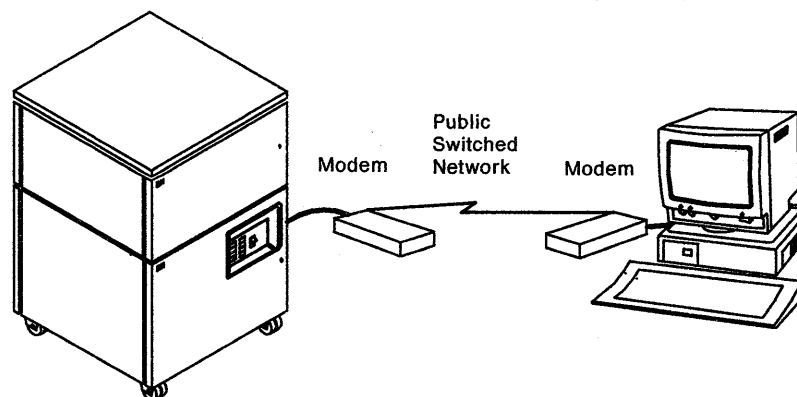
If you are not attaching a remote console, go to STEP 19.

At the 3720 site:

1. Find the console cable, part number 6398737.
2. Push the 3720 plug firmly into the 3720 socket labeled "LINK-ATT."
3. Find the modem for connecting the 3720 to the telephone line that goes to the remote console.
4. Attach the other end of the cable to the modem using the modem documentation.
5. Position the modem switches to the positions shown on the Console Sheet.
6. Connect the modem to the telephone line.

At the remote console site:

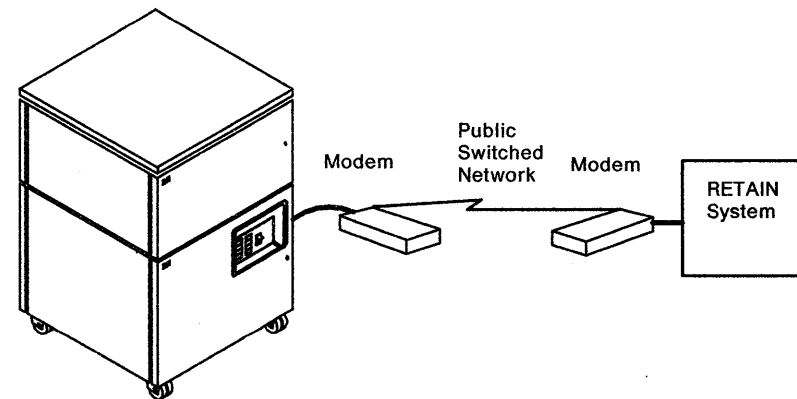
1. Find the modem for connecting the remote console to the telephone line that goes to the 3720.
2. Attach the console cable to the modem using the console and modem documentation.
3. Position the modem switches to the positions shown on the Console Sheet.
4. Connect the modem to the telephone line.
5. Go to STEP 19.



Remote Console Attachment

Attaching the Remote Support Facility

1. If you are not attaching an RSF link, go to STEP 20.
2. Find the cable labeled "RSF".
3. Push the 3720 plug firmly into the 3720 socket, labeled "RSF".
4. Attach the other end of the cable to the modem using the modem documentation.
5. Position the modem switches to the positions shown on the Console Sheet.
6. Connect the modem to the telephone line.
7. Go to STEP 20.



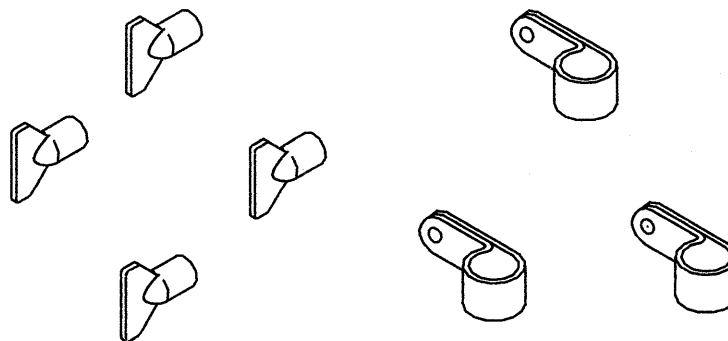
RSF Attachment

Securing the Console Cables in your 3720

The console cable(s) attached to your 3720 must be held in place by means of a clamp.

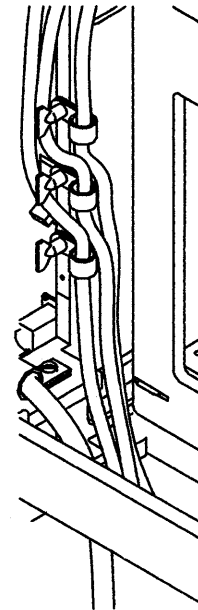
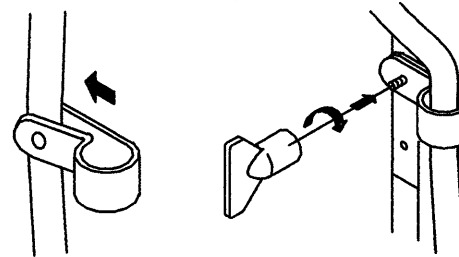
Three clamps and three accompanying wingnuts were delivered with the 3720, and kept by your installation coordinator.

1. Get the required number of clamps and wingnuts to attach the console cables to your 3720.
2. Go to STEP 21.



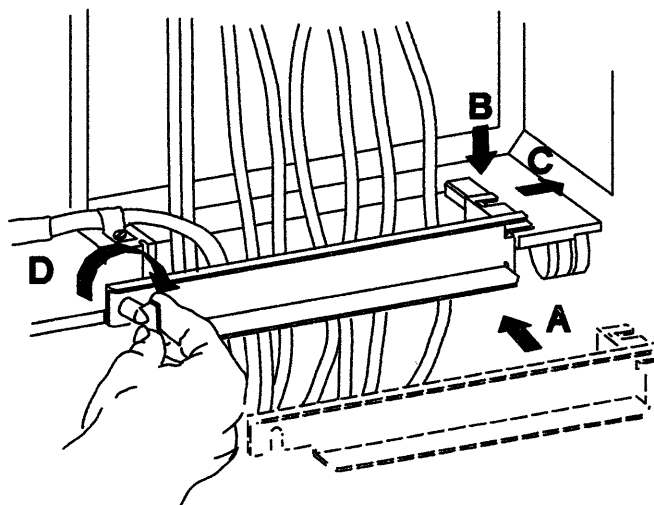
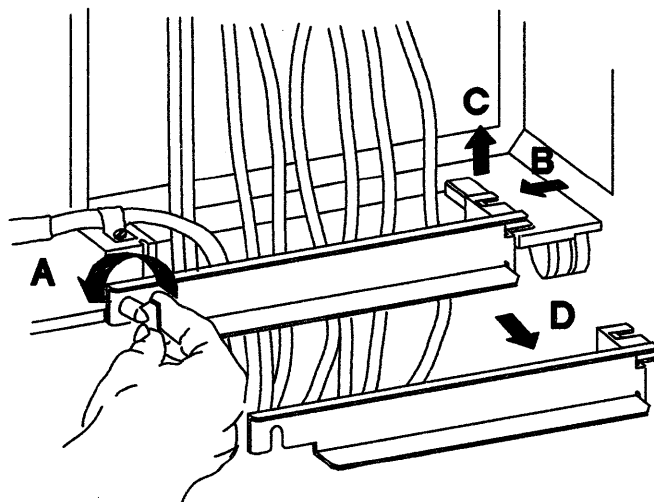
Securing the Console Cables in your 3720

1. Locate the clamp positions on your 3720.
2. Place the clamp around the cable.
3. Line up the clamp with the threaded stud on the frame.
4. Put the wingnut onto the threaded stud and turn until secure.
5. Repeat until all attached console cables are clamped.
6. Go to STEP 22.



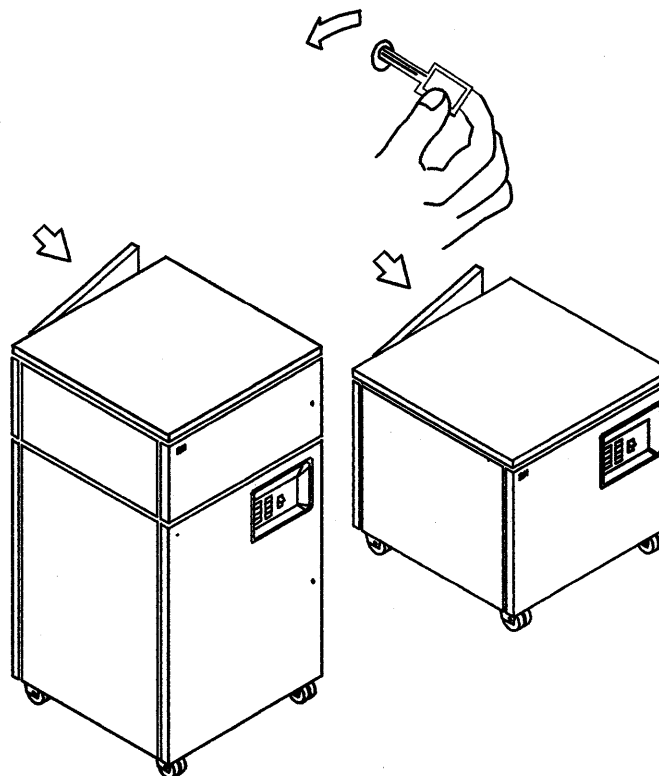
Arranging the Console Cable in your 3720

1. Locate the cable retainer at the rear of your 3720.
2. Turn the wingnut counterclockwise to loosen and remove the cable retainer in the sequence shown in the upper illustration.
3. Line up the console cables within the cable retainer area.
4. Replace the cable retainer in position in the sequence shown in the lower illustration. Secure it by turning the wingnut clockwise.
5. Go to STEP 23.



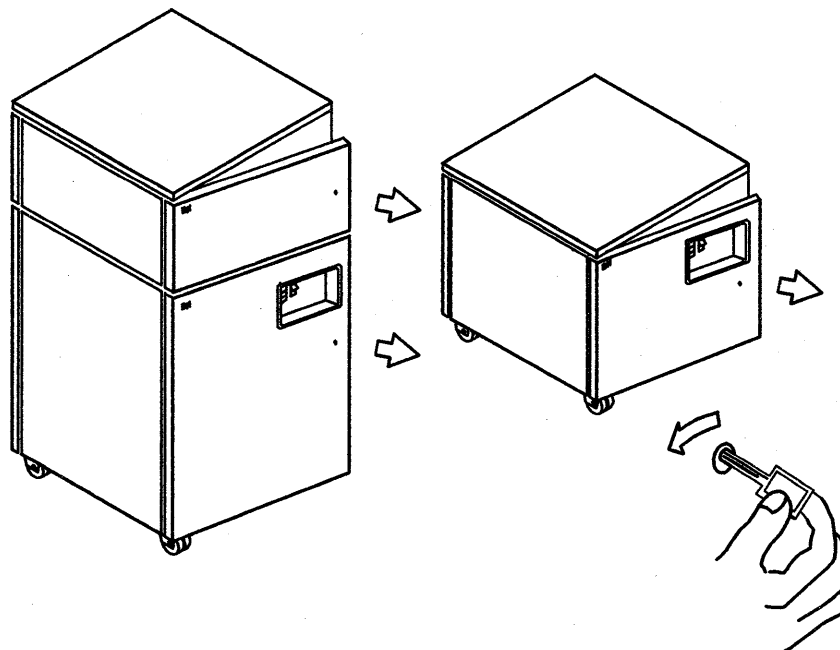
Closing the Rear Door

1. Turn the key counterclockwise to lock the rear door.
2. Go to STEP 24.



Opening the Front Door

1. Get the key.
 2. Turn the key counterclockwise to open the front door.
 3. If your 3720 is a Model 1 or 11, go to STEP 25.
- If your 3720 is a Model 2 or 12, go to STEP 27.



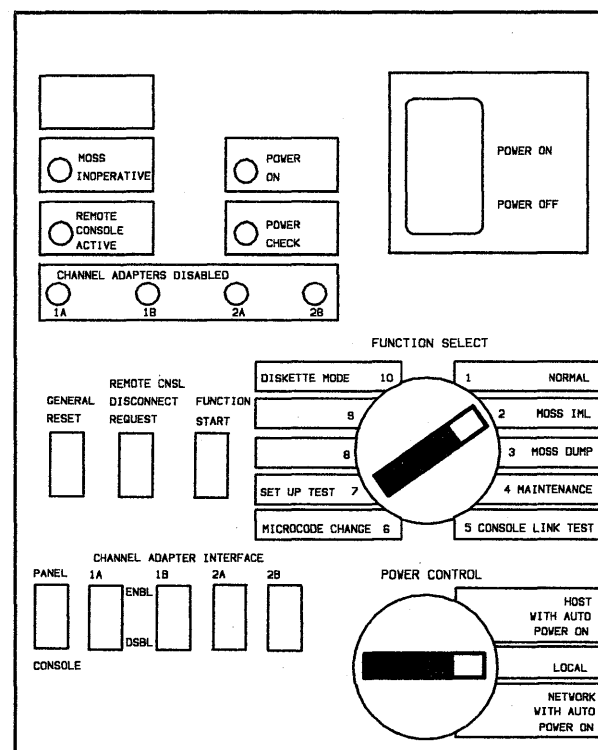
Initializing your 3720 Model 1 or 11

At the control panel:

1. Set the Power Control switch to 'Local'.
2. Set the Function Select switch to 'MOSS IML'.
3. Set the Panel/Console switch to 'Panel'.
4. Press down the Channel Adapter Interface switches to Dsbl.
5. Set the power switch to 'Power On'.
6. Watch the hex display.
The codes displayed show the progress of initialization. Wait until FEF is displayed (approximately two minutes). If any code other than FEF is displayed for more than two minutes:
 - a. Set the power switch to 'Power Off'.
 - b. Restart from 1.

If FEF is still not displayed, or any power problem occurs, refer to the *3720/3721 Problem Determination Guide*, or contact the person responsible for 3720 problem determination.

7. Set the Panel/Console switch to 'Console' if you are performing panel functions from a remote console, otherwise the panel will be locked to 'Panel'.
8. Go to STEP 26.

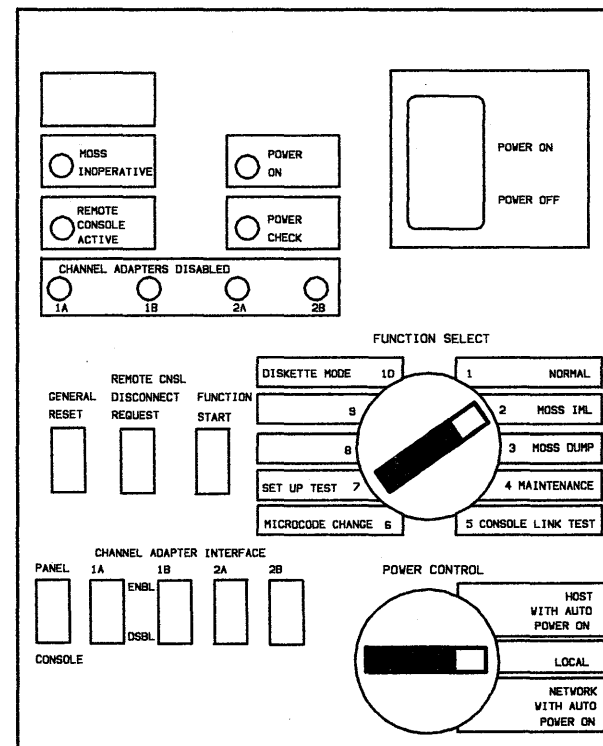


Initializing your 3720 Model 1 or 11 (Continued)

4. If you are logging on at:

- A local console, go to STEP 28.
- A remote console, go to STEP 29.

Note: For more detailed information, refer to the *3720/3721 Operator's Guide*.



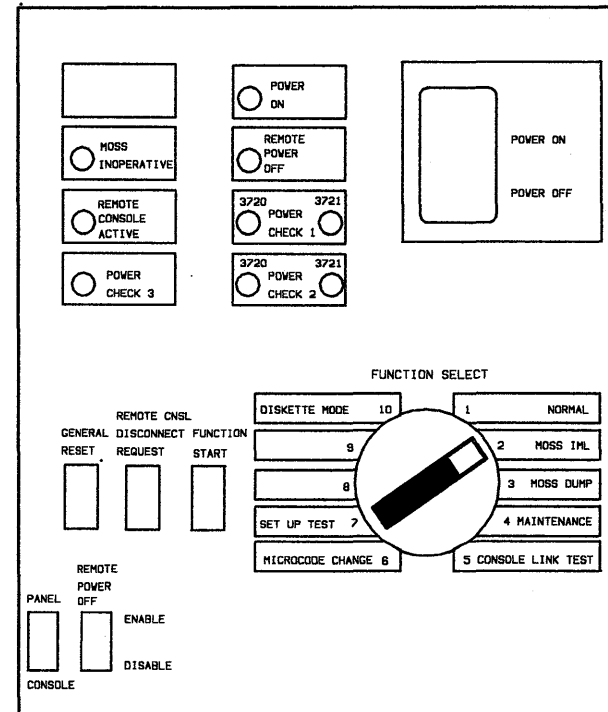
Initializing your 3720 Model 2 or 12

At the control panel:

1. Set the Function Select switch to 'MOSS IML'.
2. Set the Panel/Console switch to 'Panel'.
3. Set the power switch to 'Power On'.
4. Watch the hex display.
The codes on the display show the progress of the initialization. Wait until FEF is displayed (approximately two minutes).
If any code other than FEF is displayed for more than two minutes:
 - a. Set the power switch to 'Power Off'.
 - b. Restart from 1.

If FEF is still not displayed after three attempts, or if any power problem occurs, refer to the *3720/3721 Problem Determination Guide*, or contact the person responsible for 3720 problem determination.

5. Put the Panel/Console switch to 'Console' if you are performing panel functions from a remote console, otherwise the panel will be locked to 'Panel'.
6. Go to STEP 28.



Logging on at a Local Console

1. If you are logging on at a remote console, go to STEP 29.

2. It is assumed that your local console is running in IBM 3101 emulation mode (as described in STEP 6), and that the initialization of your 3720 was successful.

Warning: Only one console can be logged on at a time. Ensure that all other consoles are logged off.

3. Set the Panel/Console switch to 'Console'.

4. Power on the console. The copyright screen is displayed. If not, go to the *IBM 3720/3721 Communication Controllers, Problem Determination Guide*, GA33-0086.

5. To access the next screen, press:



6. Go to STEP 30.

```

IIIIIII      BBBB BBBB      MMMMM      MMMMM
IIIIIII      BBBB BBBB BBBB  MMMMMMM  MMMMMMM
  III        BBB   BBBB      MMMMM - MMMMM
  III        BBBB BBBB BBBB  MMMMMMM  MMMMMMM
  III        BBBB BBBB BBBB  MMM  MMMMMMM  MMM
  III        BBB   BBBB      MMM  MMMMM  MMM
IIIIIII      BBBB BBBB BBBB  MMMMM  MMM  MMMMM
IIIIIII      BBBB BBBB BBBB  MMMMM   M   MMMMM
  
```

3720 MICROCODE (C) COPYRIGHT IBM CORP. 1986

PRESS SEND TO CONTINUE

Logging on at a Remote Console

It is assumed that your remote console is running in IBM 3101 emulation mode, and that the initialization of your 3720 was successful.

Warning: *Only one console can be logged on at a time. Ensure that all other consoles are logged off.*

1. Put the Panel/Console switch to 'Console'.
2. Power on the remote console.
3. Set the modem at the remote console site in operation, and call the operator at the 3720 site to make sure the other modem is in operation. To connect through to the 3720:
 - Dial the telephone number of the 3720 site.
 - Wait until you hear the answer tone.
 - Set the modem at the console site to data mode.
 - Hang up.
4. The copyright screen is displayed. If not, go to the *3720/3721 Problem Determination Guide*.
5. To access the next screen, press:

SEND
6. Go to STEP 30.

I I I I I I I	B B B B B B B B B B B B	M M M M M M	M M M M M M
I I I I I I I	B B B B B B B B B B B B	M M M M M M M	M M M M M M M
I I I	B B B B B B	M M M M M M	M M M M M M
I I I	B B B B B B B B B B B B	M M M M M M M M M M M M	
I I I	B B B B B B B B B B B B	M M M M M M M M M M	
I I I	B B B B B B B	M M M M M M M M	
I I I I I I I	B B B B B B B B B B B B	M M M M M M M M M M	
I I I I I I I	B B B B B B B B B B B B	M M M M M M M M	

3720 MICROCODE (C) COPYRIGHT IBM CORP. 1986

PRESS SEND TO CONTINUE

Accessing the System

1. This screen is displayed.
2. If you are upgrading your 3720 with new communication features, or downgrading, (PASS 1 only), use your current password, then go to STEP 31.

In all other cases, such as installation or relocation, you use the default password IBM3720.

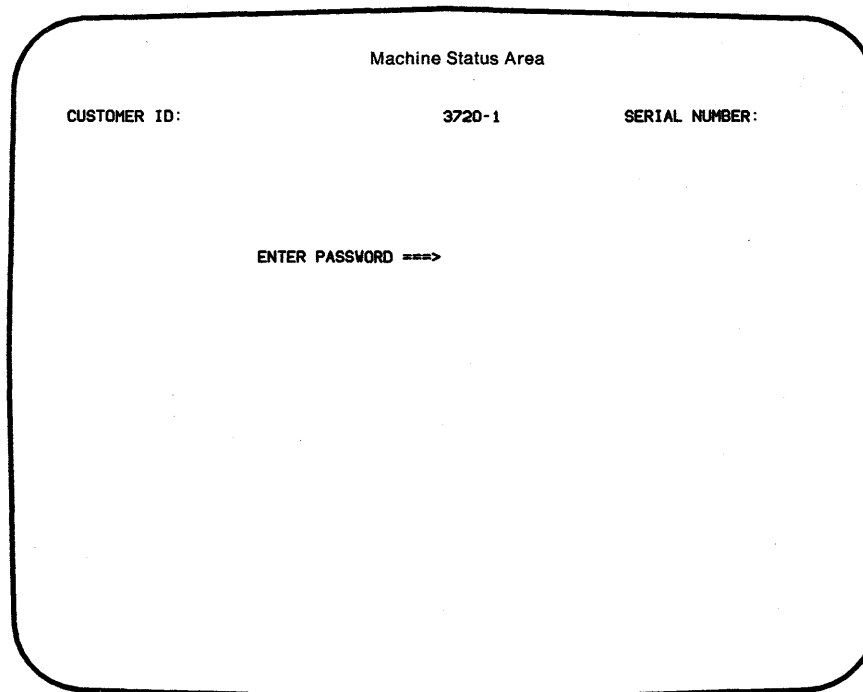
Enter IBM3720

Press:



Note: You can change this to your own password later. Then, access to your console is limited to those who know your password.

3. Go to STEP 31.



Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

ENTER PASSWORD ===>

Familiarizing Yourself with the 3720 Function Menu

The menu shown is the 3720 function menu. It allows you to access the 3720 MOSS functions.

1. The upper part of the screen is common to all functional screens. It displays the machine status:

- The customer identification (to be defined later)
- The 3720 model identification
- The serial number.

These attributes help you identify the machine to which your console is attached.

2. The middle of the screen displays a list of the MOSS functions. In the integration process, you are requested to use some of them.

Note: For more detailed information about MOSS functions, refer to *3720/3721 Extended Services*.

3. The lower part of the screen is common to all functional screens. It displays:

- Operator control messages
- Function messages to inform you of the progress of the function or to indicate errors.

4. Go to STEP 32.

Machine Status Area

CUSTOMER ID:

3720-1

SERIAL NUMBER:

FUNCTION ON SCREEN:

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

CONFIG DATA FILE : CDF

LINE DESCR FILE : LDF

MACHINE LVL TABLE : MLT

CONTROL PRGM PROC : C

LINE INTERF DPLY : LID

MICROCODE FIXES : MCF

DISK FUNCTIONS : DF

LINE THRESHOLD : LTH

PANEL FUNCTIONS : PAF

DISK IPL INFO : DII

LINK IPL PORTS : LKP

PASSWORDS : P

EVENT LOG DISPLAY : E

LINK TEST : LT

PORT SWAP FILE : PS

IML MOSS : IML

LOAD LK TEST REQ : LOG

TOKEN RING INTR : TRI

IML ONE SCANNER : IS

LOAD LK TEST RESP: LOS

WRAP TEST : WT

IPL 3720 : IPL

Note: For more information about any message displayed when you execute a function or encounter a problem, refer to *3720/3721 Extended Services*.

Familiarizing Yourself with the 3720 Function Menu (Continued)

You can use the keys to:

1. Select a MOSS Function:

Move the cursor to SIA.

Then press:

PF1

Enter the abbreviation of the required function.

Then press:

SEND

2. End a function, after you have selected or executed it:

Move the cursor to SIA.

Then press:

PF1

To terminate the function enter:

T

Then press:

SEND

3. Go to STEP 33.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:
FUNCTION ON SCREEN:
SYSTEM INPUT AREA (SIA) ==>
T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM
CONFIG DATA FILE : CDF LINE DESCR FILE : LDF MACHINE LVL TABLE : MLT
CONTROL PRGM PROC : C LINE INTERF DPLY : LID MICROCODE FIXES : MCF
DISK FUNCTIONS : DF LINE THRESHOLD : LTH PANEL FUNCTIONS : PAF
DISK IPL INFO : DII LINK IPL PORTS : LKP PASSWORDS : P
EVENT LOG DISPLAY : E LINK TEST : LT PORT SWAP FILE : PS
IML MOSS : IML LOAD LK TEST REQ : LOQ TOKEN RING INTR : TRI
IML ONE SCANNER : IS LOAD LK TEST RESP: LOS WRAP TEST : WT
IPL 3720 : IPL

Familiarizing Yourself with the 3720 Function Menu (Continued)

- Exit from the 3720 menu:
Move the cursor to SIA. press:



To terminate the function enter:

T

Then press:



- To end the console session:
Move the cursor to SIA. Press:



To log off enter:

OFF

Then press:



- If you are upgrading your 3720 with new communication features, or downgrading, (PASS 1 only), go to STEP 52.
- Go to STEP 34.

Machine Status Area

CUSTOMER ID:

3720-1

SERIAL NUMBER:

FUNCTION ON SCREEN:

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

CONFIG DATA FILE : CDF

CONTROL PRGM PROC : C

DISK FUNCTIONS : DF

DISK IPL INFO : DII

EVENT LOG DISPLAY : E

IML MOSS : IML

IML ONE SCANNER : IS

IPL 3720 : IPL

LINE DESCR FILE : LDF

LINE INTERF DPLY : LID

LINE THRESHOLD : LTH

LINK IPL PORTS : LKP

LINK TEST : LT

LOAD LK TEST REQ : LOQ

LOAD LK TEST RESP: LOS

MACHINE LVL TABLE : MLT

MICROCODE FIXES : MCF

PANEL FUNCTIONS : PAF

PASSWORDS : P

PORT SWAP FILE : PS

TOKEN RING INTR : TRI

WRAP TEST : VT

Using the Password Function

You may enter new passwords for the:

- Password management function
- Local Console
- Remote Console in customer mode
- Remote Console in maintenance mode.

The different passwords give access to different levels of system control. They allow access by authorized persons only.

Note: Make sure you can remember the passwords at any time by writing them down and keeping them confidential. If you forget a password, refer to the password recovery function in *3720/3721 Extended Services*.

To access each password create option, use the default password IBM3720.

If, when you perform this function, any message other than the ones given in the following steps is displayed, see STEP 108.

Go to STEP 35.

Selecting the Password Function

1. The 3720 basic menu is displayed.

2. Press:



3. Go to STEP 36.

Machine Status Area

CUSTOMER ID:

3720-1

SERIAL NUMBER:

FUNCTION ON SCREEN:

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

CONFIG DATA FILE : CDF

CONTROL PRGM PROC : C

DISK FUNCTIONS : DF

DISK IPL INFO : DII

EVENT LOG DISPLAY : E

IML MOSS : IML

IML ONE SCANNER : IS

IPL 3720 : IPL

LINE DESCR FILE : LDF

LINE INTERF DPLY : LID

LINE THRESHOLD : LTH

LINK IPL PORTS : LKP

LINK TEST : LT

LOAD LK TEST REQ : LOQ

LOAD LK TEST RESP: LOS

MACHINE LVL TABLE : MLT

MICROCODE FIXES : MCF

PANEL FUNCTIONS : PAF

PASSWORDS : P

PORT SWAP FILE : PS

TOKEN RING INTR : TRI

WRAP TEST : WT

Updating Passwords

1. The password function menu is displayed.
2. Enter the management password. This allows you to access the password option menu in order to create, modify, or display the local and remote console passwords.

If you are configuring the 3720 for the first time, enter the default password:

IBM3720

Then press:



3. Go to STEP 37.

Machine Status Area

CUSTOMER ID:	3720-1	SERIAL NUMBER:
FUNCTION ON SCREEN: PASSWORDS		
SYSTEM INPUT AREA (SIA) ==>		
T: TERMINATE	OFF: LOGOFF	PF1: MOVE TO SIA
PF2: CCU FNCTN	PF3: ALARM	
- ENTER MANAGEMENT PASSWORD ==>		
A		
AVAILABLE FUNCTIONS:		
UPDATE/DISPLAY/ACTIVATION/DEACTIVATION OF PASSWORDS		
DISPLAY/RESET LOGON ATTEMPT COUNTERS		
UPDATE OF CUSTOMER IDENTIFICATION		

Selecting the Update Management Password Option

1. The password option menu screen is displayed.
2. To select the update management password option, press:



3. Go to STEP 38.

Machine Status Area

CUSTOMER ID:

3720-1

SERIAL NUMBER:

FUNCTION ON SCREEN: PASSWORDS

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

- SELECT OPTION ==>

1 = UPDATE MANAGEMENT PASSWORD

2 = UPDATE LOCAL PASSWORD

3 = UPDATE REMOTE CUSTOMER PASSWORD

4 = UPDATE REMOTE MAINTENANCE PASSWORD

5 = DISPLAY PASSWORDS

6 = TEMPORARY ACTIVATION OF REMOTE MAINTENANCE PASSWORD

7 = PERMANENT ACTIVATION OF REMOTE MAINTENANCE PASSWORD

8 = DEACTIVATION OF REMOTE MAINTENANCE PASSWORD

9 = DISPLAY/RESET LOGON ATTEMPT COUNTERS

10 = UPDATE CUSTOMER IDENTIFICATION

Creating your Own Management Password

1. This screen is displayed.
2. Enter your own password, which can be from five to eight alphanumeric characters (nulls and blanks are not allowed, and the first character must be alphabetic).

Press:



The following message is displayed:

PASSWORD HAS BEEN UPDATED

3. To return to the previous menu, press:



4. If you have:

- A local console, go to STEP 39.
- A remote console, go to STEP 41.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: PASSWORDS

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

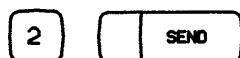
- ENTER NEW MANAGEMENT PASSWORD ==>

(5 TO 8 CHARACTERS)

PF6:QUIT

Selecting the Update Local Console Password Option

1. The password option menu is displayed.
2. To select the update local password option, press:



3. Go to STEP 40.

Machine Status Area

CUSTOMER ID:

3720-1

SERIAL NUMBER:

FUNCTION ON SCREEN: PASSWORDS

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

- SELECT OPTION ==>

1 = UPDATE MANAGEMENT PASSWORD

2 = UPDATE LOCAL PASSWORD

3 = UPDATE REMOTE CUSTOMER PASSWORD

4 = UPDATE REMOTE MAINTENANCE PASSWORD

5 = DISPLAY PASSWORDS

6 = TEMPORARY ACTIVATION OF REMOTE MAINTENANCE PASSWORD

7 = PERMANENT ACTIVATION OF REMOTE MAINTENANCE PASSWORD

8 = DEACTIVATION OF REMOTE MAINTENANCE PASSWORD

9 = DISPLAY/RESET LOGON ATTEMPT COUNTERS

10 = UPDATE CUSTOMER IDENTIFICATION

Creating your Own Local Console Password

1. This screen is displayed.
2. Enter your own password, which can be from five to eight alphanumeric characters (nulls and blanks are not allowed, and the first character must be alphabetic).

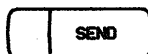
Press:



The following message is displayed:

PASSWORD HAS BEEN UPDATED

3. To return to the previous menu, press:



4. If you have:

- A remote console, go to STEP 41.
- A local console, go to STEP 48.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: PASSWORDS

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

- ENTER NEW LOCAL PASSWORD ==>

(5 TO 8 CHARACTERS)

PF6: QUIT

Selecting the Update Remote Customer Password Option

1. The password option menu is displayed.
2. To select the update remote customer password option, press:



3. Go to STEP 42.

Machine Status Area

CUSTOMER ID:

3720-1

SERIAL NUMBER:

FUNCTION ON SCREEN: PASSWORDS

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

- SELECT OPTION ==>

1 = UPDATE MANAGEMENT PASSWORD

2 = UPDATE LOCAL PASSWORD

3 = UPDATE REMOTE CUSTOMER PASSWORD

4 = UPDATE REMOTE MAINTENANCE PASSWORD

5 = DISPLAY PASSWORDS

6 = TEMPORARY ACTIVATION OF REMOTE MAINTENANCE PASSWORD

7 = PERMANENT ACTIVATION OF REMOTE MAINTENANCE PASSWORD

8 = DEACTIVATION OF REMOTE MAINTENANCE PASSWORD

9 = DISPLAY/RESET LOGON ATTEMPT COUNTERS

10 = UPDATE CUSTOMER IDENTIFICATION

Creating your Own Remote Customer Password

1. This screen is displayed.
2. Enter your own password, which can be from five to eight alphanumeric characters (nulls and blanks are not allowed, and the first character must be alphabetic).

Note: The remote customer password must be different from the remote maintenance password.

The following message is displayed:

REMOTE PASSWORD HAS BEEN UPDATED

3. To return to the previous menu, press:



4. Go to STEP 43.

Machine Status Area

CUSTOMER ID:	3720-1	SERIAL NUMBER:
FUNCTION ON SCREEN: PASSWORDS		
SYSTEM INPUT AREA (SIA) ==>		
T: TERMINATE	OFF: LOGOFF	PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM
- ENTER NEW REMOTE CUSTOMER PASSWORD ==>		
(5 TO 8 CHARACTERS)		
PF6:QUIT		

Selecting the Update Remote Maintenance Password Option

This password allows IBM service personnel to access your controller in maintenance mode. You are responsible for this password.

1. The password option menu is displayed.
2. To select the update remote maintenance password, press:



Note: The remote maintenance password must be different from the remote customer password.

3. Go to STEP 44.

Machine Status Area

CUSTOMER ID:

3720-1

SERIAL NUMBER:

FUNCTION ON SCREEN: PASSWORDS

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

- SELECT OPTION ==>

1 = UPDATE MANAGEMENT PASSWORD

2 = UPDATE LOCAL PASSWORD

3 = UPDATE REMOTE CUSTOMER PASSWORD

4 = UPDATE REMOTE MAINTENANCE PASSWORD

5 = DISPLAY PASSWORDS

6 = TEMPORARY ACTIVATION OF REMOTE MAINTENANCE PASSWORD

7 = PERMANENT ACTIVATION OF REMOTE MAINTENANCE PASSWORD

8 = DEACTIVATION OF REMOTE MAINTENANCE PASSWORD

9 = DISPLAY/RESET LOGON ATTEMPT COUNTERS

10 = UPDATE CUSTOMER IDENTIFICATION

Creating the Remote Maintenance Password

1. This screen is displayed.
2. Enter your own password, which can be from five to eight alphanumeric characters (nulls and blanks are not allowed, and the first character must be alphabetic).



3. The following message is displayed:
ENTER THE RSF MODEM TRANSMISSION MODE

Enter F for full duplex or H for half duplex. (F is valid only in the US). Then press:

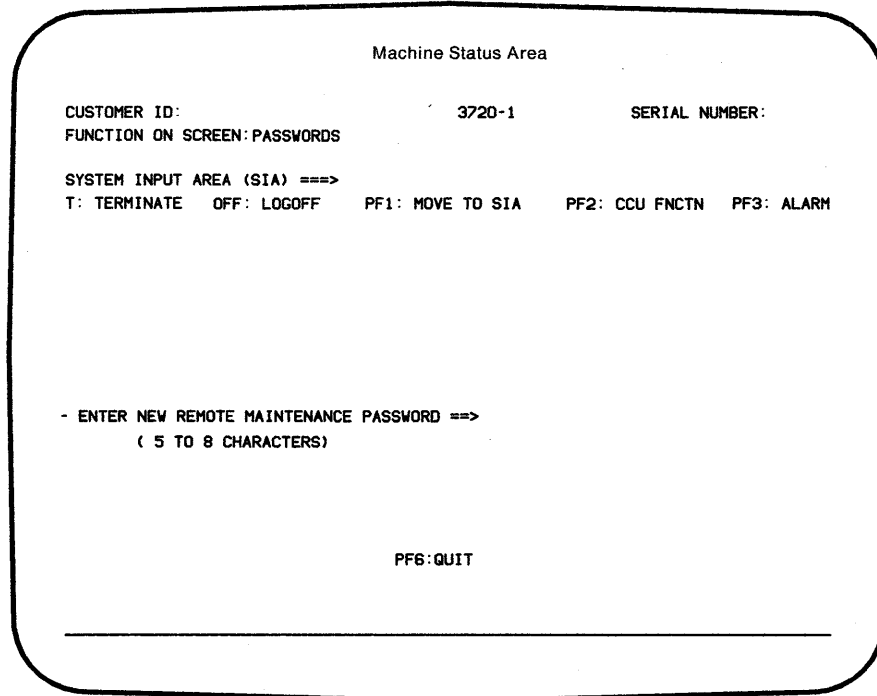


The following message is displayed:
PASSWORD AND RSF MODEM TRANSMISSION MODE
HAVE BEEN UPDATED

4. To return to the previous menu, press:



5. Once you have updated the remote maintenance password, you can give it temporary or permanent status, thus restricting access by IBM personnel
6. Go to STEP 45.



Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: PASSWORDS

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

- ENTER NEW REMOTE MAINTENANCE PASSWORD ==>
(5 TO 8 CHARACTERS)

PF6: QUIT

Activating the Temporary or Permanent Remote Maintenance Password

1. The password option menu is displayed.

You can choose to allow IBM service personnel either:

- Temporary access, that is, they can access your communication controller once only, or
- Permanent access to your 3720 MOSS system through a remote console. They can then access your communication controller until you deactivate the password.

2. Decide whether you want to allow temporary or permanent access.

Tell your IBM service representative the remote maintenance password and its temporary or permanent status, when you next need a maintenance call.

To select temporary access, go to STEP 46.

To select permanent access, go to STEP 47.

Machine Status Area

CUSTOMER ID:

3720-1

SERIAL NUMBER:

FUNCTION ON SCREEN: PASSWORDS

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

- SELECT OPTION ==>

1 = UPDATE MANAGEMENT PASSWORD

2 = UPDATE LOCAL PASSWORD

3 = UPDATE REMOTE CUSTOMER PASSWORD

4 = UPDATE REMOTE MAINTENANCE PASSWORD

5 = DISPLAY PASSWORDS

6 = TEMPORARY ACTIVATION OF REMOTE MAINTENANCE PASSWORD

7 = PERMANENT ACTIVATION OF REMOTE MAINTENANCE PASSWORD

8 = DEACTIVATION OF REMOTE MAINTENANCE PASSWORD

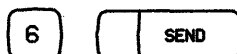
9 = DISPLAY/RESET LOGON ATTEMPT COUNTERS

10 = UPDATE CUSTOMER IDENTIFICATION

Activating a Temporary Remote Maintenance Password

1. To select temporary access:

Press:



The following message is displayed:

REMOTE MAINTENANCE PASSWORD IS
TEMPORARILY ACTIVATED

2. This activation applies only to the next maintenance session, not this current updating session. It must be reactivated for a subsequent maintenance session.
3. Go to STEP 48.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: PASSWORDS

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

- SELECT OPTION ==>

- 1 = UPDATE MANAGEMENT PASSWORD
- 2 = UPDATE LOCAL PASSWORD
- 3 = UPDATE REMOTE CUSTOMER PASSWORD
- 4 = UPDATE REMOTE MAINTENANCE PASSWORD
- 5 = DISPLAY PASSWORDS
- 6 = TEMPORARY ACTIVATION OF REMOTE MAINTENANCE PASSWORD
- 7 = PERMANENT ACTIVATION OF REMOTE MAINTENANCE PASSWORD
- 8 = DEACTIVATION OF REMOTE MAINTENANCE PASSWORD
- 9 = DISPLAY/RESET LOGON ATTEMPT COUNTERS
- 10 = UPDATE CUSTOMER IDENTIFICATION

Activating a Permanent Remote Maintenance Password

1. To select permanent access:

Press:



The following message is displayed.

REMOTE MAINTENANCE PASSWORD IS
PERMANENTLY ACTIVATED

2. The remote maintenance password is activated for all subsequent sessions or until you deactivate it.
3. Go to STEP 48.

Machine Status Area

CUSTOMER ID:

3720-1

SERIAL NUMBER:

FUNCTION ON SCREEN: PASSWORDS

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

- SELECT OPTION ==>

1 = UPDATE MANAGEMENT PASSWORD

2 = UPDATE LOCAL PASSWORD

3 = UPDATE REMOTE CUSTOMER PASSWORD

4 = UPDATE REMOTE MAINTENANCE PASSWORD

5 = DISPLAY PASSWORDS

6 = TEMPORARY ACTIVATION OF REMOTE MAINTENANCE PASSWORD

7 = PERMANENT ACTIVATION OF REMOTE MAINTENANCE PASSWORD

8 = DEACTIVATION OF REMOTE MAINTENANCE PASSWORD

9 = DISPLAY/RESET LOGON ATTEMPT COUNTERS

10 = UPDATE CUSTOMER IDENTIFICATION

Selecting the Display Passwords Option

1. The password option menu is displayed.
2. To select the display passwords option, press:



3. Go to STEP 49.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: PASSWORDS

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

- SELECT OPTION ==>

- 1 = UPDATE MANAGEMENT PASSWORD
- 2 = UPDATE LOCAL PASSWORD
- 3 = UPDATE REMOTE CUSTOMER PASSWORD
- 4 = UPDATE REMOTE MAINTENANCE PASSWORD
- 5 = DISPLAY PASSWORDS
- 6 = TEMPORARY ACTIVATION OF REMOTE MAINTENANCE PASSWORD
- 7 = PERMANENT ACTIVATION OF REMOTE MAINTENANCE PASSWORD
- 8 = DEACTIVATION OF REMOTE MAINTENANCE PASSWORD
- 9 = DISPLAY/RESET LOGON ATTEMPT COUNTERS
- 10 = UPDATE CUSTOMER IDENTIFICATION

Displaying all New Passwords

This function displays all current passwords and the selected status of the remote maintenance password.

1. Ensure you can remember the displayed passwords at all times. (Write them down and keep them in a safe place.)

2. Give the passwords to authorized persons only.

3. To return to the previous menu, press:

PF6

4. If the 3720 is being installed for the first time, or relocated (and you want to change the customer identification for this controller), go to STEP 50.

5. In all other cases, go to STEP 52.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: PASSWORDS

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

PASSWORDS ARE :

MANAGEMENT PASSWORD =

LOCAL PASSWORD =

REMOTE CUSTOMER PASSWORD =

REMOTE MAINTENANCE PASSWORD = A

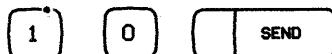
REMOTE MAINTENANCE PASSWORD STATUS = .

(P=PERMANENT T=TEMPORARY D=DEACTIVATED)

PF6:QUIT

Selecting the Update Customer Identification Option

1. The password option menu is displayed.
2. To select the update customer identification option, press:



3. Go to STEP 51.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: PASSWORDS

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

- SELECT OPTION ==>

- 1 = UPDATE MANAGEMENT PASSWORD
- 2 = UPDATE LOCAL PASSWORD
- 3 = UPDATE REMOTE CUSTOMER PASSWORD
- 4 = UPDATE REMOTE MAINTENANCE PASSWORD
- 5 = DISPLAY PASSWORDS
- 6 = TEMPORARY ACTIVATION OF REMOTE MAINTENANCE PASSWORD
- 7 = PERMANENT ACTIVATION OF REMOTE MAINTENANCE PASSWORD
- 8 = DEACTIVATION OF REMOTE MAINTENANCE PASSWORD
- 9 = DISPLAY/RESET LOGON ATTEMPT COUNTERS
- 10 = UPDATE CUSTOMER IDENTIFICATION

Creating your Customer Identification

The customer identification is displayed at the upper left of all screens. You can choose any sequence of characters to identify your controller. It tells you to which 3720 your console is connected. This is particularly helpful when more than one communication controller is installed on your site.

1. Enter your customer identification (a maximum of sixteen alphanumeric characters is allowed), then press:



The following message is displayed.

CUSTOMER IDENTIFICATION HAS BEEN UPDATED

2. To return to the password option menu, press:



3. When the password option menu is displayed, press:



to terminate the password function.

4. The 3720 basic menu is displayed.

5. Go to STEP 52.

Machine Status Area

CUSTOMER ID:

3720-1

SERIAL NUMBER:

FUNCTION ON SCREEN: PASSWORDS

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

- ENTER CUSTOMER IDENTIFICATION (1 TO 16 CHARACTERS) ==>

PF6:QUIT

Using the Configuration Data File Function (CDF)

You are required to define your particular configuration to the 3720 MOSS:

- When the 3720 is first installed.
- When the 3720 is upgraded with a 3721, or with new communication features, or downgraded.

The CDF function allows you to:

- Update and display the configuration for an upgrade.
If you are upgrading your 3720 with new communication features, or downgrading (PASS 1 only) go to STEP 54.
- Enter the speed (bps) of all direct-attached lines that use synchronous protocols for the first-installed and/or upgraded controller. This is called the programmable line speed option (PLS).

For this option, you need the Plugging Sheet shown in the next step. This sheet lists the characteristics of the attached lines.

While using this function, if any message other than those shown in the following steps is displayed, see STEP 108.

Go to STEP 53.

Using the Plugging Sheet for the CDF Function

1. Get the Plugging Sheet. You may have one for your 3720, and one for the 3721, if installed.
2. Check that you have the sheet related to your 3720. The type of model **A** and the serial number **B** on the sheet must match the ones displayed in the upper part of the screen.
If you have a 3721, check that you have the sheet for it. The PU name **C** on the 3721 sheet must match the PU name on the 3720 sheet.
3. Write the serial number of the 3720 and 3721 (if installed) on the related sheets.
4. The inputs required for the PLS option are:
 - The line address, which is in the 'Port Address' column **D**
 - The line speed, which is in the 'Controller Clocking' column **E**.
5. Go to STEP 54.

37-- Model: A	PU Name: C
Serial Number: B	Order Number:

Plugging Sheet

Line Dest. & Interface	LIC Type & Pos.	Port Address	#	Controller Clocking	Cable Group/ Part Number	Cable Length
		D		E		

Selecting the CDF Function

1. In the 3720 basic menu:

To select the configuration data file function, press:



2. If using the CDF function:

- When the 3720 is first installed, or relocated, or is upgraded with a 3721 Model 1 or 2, select the programmable line speed (PLS) option to update the line speed. Go to STEP 57.
- When the 3720 is upgraded with new communication features, or downgraded:
 - PASS 1 only: go to STEP 55.
 - PASS 2 only: go to STEP 57.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN:

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

CONFIG DATA FILE : CDF	LINE DESCR FILE : LDF	MACHINE LVL TABLE : MLT
CONTROL PRGM PROC : C	LINE INTERF DPLY : LID	MICROCODE FIXES : MCF
DISK FUNCTIONS : DF	LINE THRESHOLD : LTH	PANEL FUNCTIONS : PAF
DISK IPL INFO : DII	LINK IPL PORTS : LKP	PASSWORDS : P
EVENT LOG DISPLAY : E	LINK TEST : LT	PORT SWAP FILE : PS
IML MOSS : IML	LOAD LK TEST REQ : LOQ	TOKEN RING INTR : TRI
IML ONE SCANNER : IS	LOAD LK TEST RESP: LOS	WRAP TEST : WT
IPL 3720 : IPL		

Selecting the CDF Upgrade Option

1. The CDF option menu is displayed.
2. To select the upgrade option, press:



3. Go to STEP 56.

Machine Status Area

CUSTOMER ID:

3720-1

SERIAL NUMBER:

FUNCTION ON SCREEN: CONFIG DATA FILE

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

-SELECT CDF OPTION (1, 2) ==>

1 = UPGRADE

2 = DISPLAY

Checking the CDF Upgrade Option

1. Each message is displayed as the function is being performed. The message:

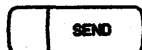
CHANNEL ADAPTER INFORMATION FETCHED

appears only for a 3720 Model 1 screen.

2. Wait until the following message is displayed:

CDF UPGRADE COMPLETED

To return to the previous CDF option menu, press:



3. If the above message is not displayed, request the person doing the setup to check that all new communication features are correctly plugged.
Then return to STEP 55.
4. If the above message is still not displayed, refer to the *3720/3721 Problem Determination Guide*.
5. Go to STEP 57.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: CONFIG DATA FILE

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

CDF UPGRADE STARTED

CCU INFORMATION FETCHED
CHANNEL ADAPTER INFORMATION FETCHED
SCANNER/TRSS INFORMATION FETCHED

CDF UPGRADE COMPLETED

Selecting the Option Display CDF

1. The CDF option menu is displayed.
2. Select the display option of the CDF option menu to access the PLS function.

3. To select the display option, press:



4. If you are upgrading your 3720 with new communication features, or downgrading (PASS 1 only), go to STEP 63.
5. Otherwise, go to STEP 58.

Machine Status Area

CUSTOMER ID:

3720-1

SERIAL NUMBER:

FUNCTION ON SCREEN: CONFIG DATA FILE

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

-SELECT CDF OPTION (1, 2) ==>

1 = UPGRADE

2 = DISPLAY

Selecting the PLS Option

The PLS option allows you to enter or update the speed of the direct-attached lines that use synchronous protocols.

1. The screen displayed shows your configuration. In the example, the configuration is a basic frame with one expansion frame. The PLS option is always at the bottom of the list.
2. To select the PLS option you require, enter its option number then press:



3. Go to STEP 59.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: CONFIG DATA FILE

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM
CDF - DISPLAY OPTION

-SELECT ONE DISPLAY OPTION (1 TO 4) ==>

1 = ALL (2 TO 4) **A**
2 = BASIC FRAME **B**
3 = EXPANSION FRAME **C**
4 = PROGRAMMABLE LINE SPEED **D**

PF6:QUIT

Selecting the Direct-Attached Lines

Enter the speed for each line that is directly attached to a terminal or data terminating equipment (DTE), using the Plugging Sheet.

1. Line addresses are from 0 to 27 for a 3720 and from 32 to 63 for a 3721, if any. On the Plugging Sheet the line address is in the 'Port Address' column.

2. Enter the line address of the first direct-attached line listed on your Plugging Sheet.

Press:



3. If any message is displayed, see STEP 108, otherwise go to STEP 60.

Machine Status Area

CUSTOMER ID:

3720-1

SERIAL NUMBER:

FUNCTION ON SCREEN: CONFIG DATA FILE

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN


PF3: ALARM

PROGRAMMABLE LINE SPEED FUNCTION

- ENTER A LINE ADDRESS (0 TO 27 AND 32 TO 63) ==>

PF6: QUIT

Updating the Direct-Attached Line Speed

1. This screen is displayed.
2. If you select the PLS option:
 - When the 3720 is first installed, the default line speed is 9600 bps.
 - When you are upgrading your 3720 with new communication features, or downgrading (PASS 2 only), the displayed line speed is the previous line speed or the default line speed (9600 bps).
3. To select the 'Speed Update' screen, press:

4. If any message is displayed, see STEP 103, otherwise go to STEP 61.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: CONFIG DATA FILE

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM
PROGRAMMABLE LINE SPEED FUNCTION - DISPLAY

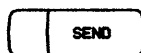
- ENTER A LINE ADDRESS (0 TO 27 AND 32 TO 63) ==>

LINE ADDRESS = 60
CURRENT SPEED = 9600
LIC TYPE = LIC1

PF4: SPEED UPDATE PF6: QUIT PF7: PREVIOUS LINE PF8: NEXT LINE

Entering the Direct-Attached Line Speed

- Find the line speed specified for the corresponding port address on your Plugging Sheet.
- Enter the digit corresponding to the specified line speed, then press:



The following message is displayed:

NEW SPEED xxxx BPS WILL BE EFFECTIVE AT
NEXT SCANNER IML

The scanner IML is performed during the IPL later.

- If any message other than the one above is displayed, see STEP 108. Otherwise go to STEP 62.

Machine Status Area

CUSTOMER ID:

3720-1

SERIAL NUMBER:

FUNCTION ON SCREEN: CONFIG DATA FILE

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

PROGRAMMABLE LINE SPEED FUNCTION - UPDATE

LINE ADDRESS = 64

CURRENT SPEED = 9600

LIC TYPE = LIC1

- ENTER A DIGIT (0 TO 7) TO UPDATE CURRENT SPEED ==>

0 = 2400

4 = 38400

1 = 4800

5 = 55855

2 = 9600

6 = 245760

3 = 19200

7 = RPQ

PF6:QUIT

Checking the Direct-Attached Line Speed

1. This screen is displayed.
It gives the description of the updated line.
2. To update the next direct-attached line, you may either:
 - Find out the line address on your Plugging Sheet, or
 - Use the **PF** keys described below.
3. Repeat STEPs 59 to 61 to enter the speed of the next direct-attached lines.
 - To display the previous line, press:



- To display and update the next line, if it is a direct-attached line, press:



4. If any message is displayed, see STEP 108.
5. Once you have updated the speed of all direct-attached lines, quit and return to the CDF option menu, by pressing:



6. If you are upgrading your 3720 with new communication procedures, or downgrading (PASS 2 only), go to STEP 67.
7. Otherwise, display the configuration data file (option 2), and go to STEP 63.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: CONFIG DATA FILE

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

PROGRAMMABLE LINE SPEED FUNCTION - DISPLAY

- ENTER A LINE ADDRESS (0 TO 27 AND 32 TO 63) ==>

LINE ADDRESS = 60

CURRENT SPEED = 9600

LIC TYPE = LIC1

PF4: SPEED UPDATE PF6: QUIT PF7: PREVIOUS LINE PF8: NEXT LINE

Checking the Current Configuration

1. You must check that the new configuration displayed on your console corresponds exactly to the actual configuration of your 3720.
2. If, at the end of the checking, there is a discrepancy between your displayed configuration and the actual configuration:
 - The person in charge of the setup must check that the required communication features are correctly placed and plugged in your controller.
 - You must check that the characteristics you entered match those in your Requirements and Plugging Sheets.

If you are unable to find the discrepancy, contact your installation coordinator.

3. Go to STEP 64.

Selecting the CDF Display Option

1. This screen is displayed.
2. If you updated the configuration for a 3720 only, select the basic frame configuration by pressing:



Then go to STEP 65.

3. If you updated the configuration for a 3721 only, select the expansion frame configuration by pressing:



Then go to STEP 65.

4. If you updated the configuration for a 3720 and 3721, select the whole configuration by pressing:



Then go to STEP 65.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: CONFIG DATA FILE

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

CDF - DISPLAY OPTION

-SELECT ONE DISPLAY OPTION (1 TO 4) ==>

1 = ALL (2 TO 4) **A**

2 = BASIC FRAME **B**

3 = EXPANSION FRAME **C**

4 = PROGRAMMABLE LINE SPEED **D**

PF6: QUIT

Displaying the Configuration Data File

1. This screen displays all line interface coupler (LIC) cassettes recorded in the MOSS system. There are three screens:

- One displays LIC positions 1 to 7. This is the basic frame of the 3720 Model 2 or 12.
- One displays LIC positions 1 to 7 with channel adapters. This is the basic frame of the 3720 Model 1 or 11.
- One displays LIC positions 1 to 8. This is the expansion frame of the 3720 Model 2 or 12.

The LIC types allowed for the LIC positions are 1, 2, 3, 4a, and 4b. The message:

TRA/TIC INSTALLED

is displayed only for a 3720 Model 11 or 12.

The displayed LIC cassettes must correspond to the LIC cassettes actually installed in the basic (3720) or expansion (3721) frame.

The four items displayed under each LIC type, marked PORTn, are the line addresses of the cables attached to the LIC cassettes in the basic or expansion frame.

2. If you selected display option 1, the first screen displayed shows the basic frame configuration.
To display the second screen, which shows the expansion frame configuration, press:

PF8

3. Go to STEP 66.

Machine Status Area

CUSTOMER ID:

3720-2

SERIAL NUMBER:

FUNCTION ON SCREEN: CONFIG DATA FILE

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

LIC POS:

1

2

3

4

5

6

7

LIC TYPE:

01

04

03

02

00

00

00

LINE ADDRESS (A) AND CABLE ID INFO (I)

	A	I	A	I	A	I	A	I	A	I	A	I	A	I
PORT1:	0	4	4	4	8	4	12	4	16	0	20	0	24	0
PORT2:	1	4	5	0	9	0	13	4	17	0	21	0	25	0
PORT3:	2	4	6	0	10	0	14	0	18	0	22	0	26	0
PORT4:	3	4	7	0	11	0	15	0	19	0	23	0	27	0

PF4:UPDATE

PF6:QUIT

PF8:FORWARD

Note: The 'cable id info' (I) codes are:

0 Not installed

1 LIC 1/2/3 wrap block

2 LIC3 wrap cable

4 Modem attachment

5 Direct attachment

6 Autocall

The line address is in column (A) for each PORTn row.

Checking the Configuration Data File

1. Check that the displayed configuration matches the one specified on the Requirements Sheet or reported by the person doing the setup.
2. Is the check successful?

NO - See the appropriate *3720/3721 Feature Addition Instructions* or *Setup Instructions*, or contact your installation coordinator

YES - Continue
3. To change the NSC/ESC channel address information shown on the screen, press:

PF4

This information is for reference only. The actual addresses may be changed only by the IBM customer engineer.
4. The 3720 basic menu is displayed.
5. If you are upgrading with new communication features, or downgrading (PASS 1 only), return to the *Feature Addition Instructions* or *Setup Instructions* to have the hardware checkout performed (see instructions on how to upgrade the CDF).
6. In all other cases, go to STEP 67.

Machine Status Area

CUSTOMER ID: 3720-2 SERIAL NUMBER:

FUNCTION ON SCREEN: CONFIG DATA FILE

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

LIC POS:	1	2	3	4	5	6	7
LIC TYPE:	01	04	03	02	00	00	00

LINE ADDRESS (A) AND CABLE ID INFO (I)

	A	I	A	I	A	I	A	I	A	I	A	I		
PORT1:	0	4	4	4	8	4	12	4	16	0	20	0	24	0
PORT2:	1	4	5	0	9	0	13	4	17	0	21	0	25	0
PORT3:	2	4	6	0	10	0	14	0	18	0	22	0	26	0
PORT4:	3	4	7	0	11	0	15	0	19	0	23	0	27	0

PF4: UPDATE
PF6: QUIT
PF8: FORWARD

Using the Line Description File Function

You enter the characteristics of all your lines together in the line description file (LDF).

Use the LDF function to enter and display the configuration of your 3720/3721.

1. For this function you need the Requirements and Plugging Sheets shown in STEP 68. These sheets list the line characteristics.
2. If, when you perform this function, any message is displayed, see STEP 108.
3. Go to STEP 68.

Using the Requirements Sheet and Plugging Sheet for the LDF Function

1. Get the Requirements and Plugging Sheets for your 3720/3721.

2. The input required for the LDF function is the:

- Line name (from the Requirements Sheet)
- Line protocol (from the Requirements Sheet)
- Line speed (bps) (from the Requirements Sheet)
- Line address (from the Plugging Sheet)

Note: The line weight is calculated and displayed.

3. The line address displayed by the LDF is the port address **A** shown on the Plugging Sheet. Use the cross-reference **B** next to the port address on the Plugging Sheet to find that line on the Requirements Sheet, with the line protocol **C** and the speed **D** and the line name **E**.

4. Go to STEP 69.

37-- Model:	PU Name:
Serial Number:	Order Number:

Requirements Sheet

#	Line Destination	Line Protocol	Line Speed	Line Weight	Line Interface	LIC Type	Modem		Line Name
B		C	D						E

37-- Model:	PU Name:
Serial Number:	Order Number:

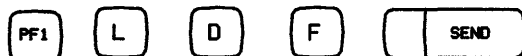
Plugging Sheet

Line Dest. & Interface	LIC Type & Pos.	Port Address	#	Controller Clocking	Cable Group/Part Number	Cable Length
		A	B			

Selecting the LDF Function

1. In the 3720 basic menu:

To select the LDF function, press:



2. If using the LDF function:

- When the 3720 is first installed, or relocated, or the 3721 is being removed, go to STEP 70.
- When the 3720 is upgraded with a 3721 or with new communication features, or downgraded (PASS 2 only), go to STEP 71.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN:

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

CONFIG DATA FILE : CDF

CONTROL PRGM PROC : C

DISK FUNCTIONS : DF

DISK IPL INFO : DII

EVENT LOG DISPLAY : E

IML MOSS : IML

IML ONE SCANNER : IS

IPL 3720 : IPL

LINE DESCR FILE : LDF

LINE INTERF DPLY : LID

LINE THRESHOLD : LTH

LINK IPL PORTS : LKP

LINK TEST : LT

LOAD LK TEST REQ : LOQ

LOAD LK TEST RESP: LOS

MACHINE LVL TABLE : MLT

MICROCODE FIXES : MCF

PANEL FUNCTIONS : PAF

PASSWORDS : P

PORT SWAP FILE : PS

TOKEN RING INTR : TRI

WRAP TEST : WT

Identifying the Installed Lines

1. This screen is displayed when selecting the LDF function for a first-installed 3720 This is the display mode:

- The NOT DESCRIBED status indicates that the line is installed but not yet described in the LDF.
- The NOT INSTALLED status indicates that the line is not installed. Consequently, it cannot be described.

2. To describe the lines in the NOT DESCRIBED status, go to the update mode, by pressing:

PF5

Starting from line 0, the first line installed is displayed.

3. Go to STEP 71.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: LINE DESCR FILE

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

ADDRESS	NAME	PROTOCOL	SPEED (BPS)	WEIGHT
0 TO 27		NOT DESCRIBED		A
32 TO 63		NOT INSTALLED		B

- ENTER ADDRESS OF LINE TO BE DISPLAYED ==>

PF5: UPDATE

Displaying the Line Description File

1. This screen is displayed when selecting the LDF function for a 3720 upgraded with a 3721, or with new communication features, or downgraded (PASS 2 only). This is the display mode. It shows the:

- Characteristics of the lines installed
- Status of the remaining lines.

The NOT DESCRIBED status indicates that the line is installed but not yet described in the LDF.

The NOT INSTALLED status indicates that the line is not installed. Consequently, it cannot be described.

2. To update the characteristics of the lines used in the new configuration, go to the update mode, by pressing:



Starting from line 0, the first line installed is displayed.

3. If the line you selected is a token-ring attachment (3720 Model 11 or 12), go to STEP 72, otherwise go to STEP 74.

Machine Status Area

CUSTOMER ID:

3720-12

SERIAL NUMBER:

FUNCTION ON SCREEN: LINE DESCR FILE

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

ADDRESS	NAME	PROTOCOL	SPEED (BPS)	WEIGHT	
0	PARIS-01	START/STOP	1200	3.7	C
1 TO 3		NOT DESCRIBED			
4	SWAPPED TO ADDRESS 5				
6	PARIS-03	START/STOP	1200	3.7	
7 TO 15		NOT DESCRIBED			
16	PLANT-01	TOKEN RING		N/A	
17		NOT DESCRIBED			
32 TO 63		NOT INSTALLED			

- ENTER ADDRESS OF LINE TO BE DISPLAYED (0-27, 32-63) ==>

PF5:UPDATE

PF8:FORWARD

Checking the Line Description File for a 3720 Model 12

1. This screen shows the line description file for a token-ring attachment.
2. If the line had NOT DESCRIBED status in the previous screen, enter its characteristics as specified on the Requirements Sheet. Use the tabulation key, or the key programmed on your particular keyboard, to go from one option to another.
3. If the line displayed was described in the previous screen, its displayed characteristics correspond to the previous configuration.
4. If the characteristics on the sheet are different from those displayed, you must update the line characteristics.
5. Go to STEP 73.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: LINE DESCR FILE

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

LINE 7 NAME: SCANNER:2 BASB TIC POS : 1

PROTOCOL: TOKEN RING SPEED: TIC TYPE: 1

- ENTER LINE NAME ==> PLANT-01

- PRESS SEND TO TRANSMIT DATA

PF4:DISPLAY PF7:LINE 1 PF8:LINE 3

Entering the Symbolic Line Name for a Token Ring Attachment

1. Enter the line name. It can be one to eight alphanumeric characters (blanks and nulls are not allowed, and the first character must be alphabetic). This is a symbolic name used in programs to refer to this line.

2. Enter the line name, then press:



Note: If upgrading, enter the new symbolic name, thus replacing the previous configuration symbolic name.

3. If you have now entered or updated the characteristics of all installed lines, go to STEP 78.

4. To update the next line, press:



5. If the next line is a token-ring attachment, return to STEP 72.

If it is not, go to STEP 74.

Machine Status Area

CUSTOMER ID:

3720-1

SERIAL NUMBER:

FUNCTION ON SCREEN: LINE DESCR FILE

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

LINE 7

NAME:

SCANNER:2

BASB

TIC POS : 1

PROTOCOL:

TOKEN RING SPEED:

TIC TYPE: 1

- ENTER LINE NAME ==> PLANT-01

- PRESS SEND TO TRANSMIT DATA

PF4:DISPLAY

PF7:LINE 1

PF8:LINE 3

Checking the Line Description File

1. The displayed screen describes the first installed line.
2. If the line had NOT DESCRIBED status in the previous screen, enter its characteristics as specified on the Requirements Sheet. Use the tabulation key, or the key programmed on your particular keyboard, to go from one option to another. Go to STEP 73.
3. If the line displayed was described in the previous screen, its displayed characteristics correspond to the previous configuration.
4. If the characteristics on the sheet are different from those displayed, you must update the line characteristics.
5. Go to STEP 75.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: LINE DESCR FILE

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

LINE 2 NAME: NICE01 SCANNER: 1 BASS LIC POS : 1 **D**

PROTOCOL: SDLC FDX SPEED: NONE LIC TYPE: 1 **E**

- ENTER LINE NAME ==> NICE01

- SELECT A LINE PROTOCOL ==> 8

0 = UNDEFINED 1 = BSC EBCDIC

2 = START/STOP CHAR MODE 3 = BSC ASCII

4 = START/STOP 5 = BSC CHAR MODE

6 = SDLC HDX 7 = AUTOCALL

8 = SDLC FDX

- ENTER LINE SPEED ==> 0 (0 TO 19200 BPS) **H**

- PRESS SEND TO TRANSMIT DATA

PF4: DISPLAY PF7: LINE 1 PF8: LINE 3

Entering the Symbolic Line Name

1. Enter the line name. It must not be more than eight alphanumeric characters (blanks and nulls are not allowed). This is a symbolic name, used in programs to refer to this line.

Then press:



Note: If upgrading, enter the new symbolic name, thus replacing the previous configuration symbolic name.

2. Go to STEP 76.

Machine Status Area

CUSTOMER ID:

3720-1

SERIAL NUMBER:

FUNCTION ON SCREEN: LINE DESCR FILE

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

LINE 2

NAME: NICE01

SCANNER: 1

BASB

LIC POS : 1

PROTOCOL: SDLC FDX

SPEED: NONE

LIC TYPE: 1

- ENTER LINE NAME ==> NICE01

- SELECT A LINE PROTOCOL ==> 8

0 = UNDEFINED

1 = BSC EBCDIC

2 = START/STOP CHAR MODE

3 = BSC ASCII

4 = START/STOP

5 = BSC CHAR MODE

6 = SDLC HDX

7 = AUTOCALL

8 = SDLC FDX

- ENTER LINE SPEED ==> 0

(0 TO 19200 BPS)

- PRESS SEND TO TRANSMIT DATA

PF4: DISPLAY

PF7: LINE 1

PF8: LINE 3

Entering the Line Protocol

1. Find the specified protocol on your Requirements Sheet.
2. Enter the corresponding digit, then press:



Note: If you are upgrading, enter the new line protocol, thus replacing the previous line protocol.

3. Go to STEP 77.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: LINE DESCR FILE

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

LINE 2 NAME: NICE01 SCANNER: 1 BASB LIC POS : 1

PROTOCOL: SDLC FDX SPEED: NONE LIC TYPE: 1

- ENTER LINE NAME ==> NICE01

- SELECT A LINE PROTOCOL ==> 8

0 = UNDEFINED	1 = BSC EBCDIC
2 = START/STOP CHAR MODE	3 = BSC ASCII
4 = START/STOP	5 = BSC CHAR MODE
6 = SDLC HDX	7 = AUTOCALL
8 = SDLC FDX	

- ENTER LINE SPEED ==> 0 (0 TO 19200 BPS)

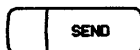
- PRESS SEND TO TRANSMIT DATA

PF4:DISPLAY PF7:LINE 1 PF8:LINE 3

Entering the Line Speed

1. Find the specified line speed on your Requirements Sheet.

2. Enter the specified line speed, then press:



Note: If you are upgrading, enter the new line speed, thus replacing the previous line speed.

3. If you have now entered or updated the characteristics of all installed lines, go to STEP 78.

4. Otherwise, update the next line, by pressing:



Then return to STEP 72.

Machine Status Area

CUSTOMER ID:

3720-1

SERIAL NUMBER:

FUNCTION ON SCREEN: LINE DESCR FILE

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

LINE 2

NAME: NICE01

SCANNER: 1

BASB

LIC POS : 1

PROTOCOL: SDLC FDX

SPEED: NONE

LIC TYPE: 1

- ENTER LINE NAME ==> NICE01

- SELECT A LINE PROTOCOL ==> 8

0 = UNDEFINED

1 = BSC EBCDIC

2 = START/STOP CHAR MODE

3 = BSC ASCII

4 = START/STOP

5 = BSC CHAR MODE

6 = SDLC HDX

7 = AUTOCALL

8 = SDLC FDX

- ENTER LINE SPEED ==> 0

(0 TO 19200 BPS)

- PRESS SEND TO TRANSMIT DATA

PF4: DISPLAY

PF7: LINE 1

PF8: LINE 3

Displaying the Line Description File

- Once you have entered or updated the characteristics of all the installed lines, you can display the description of all the lines.

- To go to the display mode, press:

PF4

- This screen is displayed. The line characteristics show the actual configuration. The token-ring line appears only for Model 11 or 12. You can now check that the displayed configuration matches your Requirements Sheet. To display the next screen, press:

PF8

- Is the check successful?

NO - Contact your
installation coordinator

YES - Continue

- To terminate the LDF function, press:

PF1

T

SEND

- If you have:

- IPL ports to define or delete, go to STEP 79.
- No IPL ports to define or delete, but an RSF link to test (for first installation or relocation only), go to STEP 87.

- In all other cases, go to STEP 89.

Machine Status Area

CUSTOMER ID: 3720-12 SERIAL NUMBER:

FUNCTION ON SCREEN: LINE DESCR FILE

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

ADDRESS	NAME	PROTOCOL	SPEED (BPS)	WEIGHT	
0	PARIS-01	START/STOP	1200	3.7	C
1 TO 3		NOT DESCRIBED			
4	SWAPPED TO ADDRESS 5				
6	PARIS-03	START/STOP	1200	3.7	
7 TO 15		NOT DESCRIBED			
16	PLANT-01	TOKEN RING		N/A	
17		NOT DESCRIBED			
32 TO 63		NOT INSTALLED			

- ENTER ADDRESS OF LINE TO BE DISPLAYED (0-27, 32-63) ==>

PF5: UPDATE PF8: FORWARD

Using the Link IPL Port Function (LKP)

1. If you have a 3720 Model 1 (direct-attached) communication controller, or a 3720 Model 2 or 12 (link-attached) communication controller, use the LKP function to inform the 3720 which host machine if any, is going to IPL the 3720, or to delete an IPL port.

It is important to note that:

- For a 3720 Model 2 or 12, at least one IPL port **must** be defined.
- For a 3720 Model 1 or 11, link IPL ports can be defined but are not essential if the communication controller can have its control program loaded via a channel attachment.
- For all 3720 Models, up to eight IPL ports can be defined but any defined IPL port **must** have a cable installed.

The control program can be transferred via a telecommunication line (SDLC link). You must enter the characteristics of the SDLC link that connects both communication controllers used for initialization.

2. To perform this function, you need the IPL Port Sheet that lists the characteristics of the link IPL port used, or, if you are downgrading, to tell you which port to delete.
3. If, while you perform this function, any message is displayed, see STEP 108.
4. Go to STEP 80.

Using the IPL Port Sheet for the Link IPL Port Function

1. Get the IPL Port Sheet.
2. Part A of the IPL Port Sheet lists all the characteristics of each individual IPL port. Refer to the port number. The required input is the value in each of the following lines:

- Line address
- Duplex or half duplex
- NRZI
- DX facility
- Switched line
- Answer tone
- Ring indicated
- Direct-attached or external clock
- Data rate
- Enable timer (in 0.1-second intervals).

If you are deleting a port, enter space instead of the line address.

3. Part B of the IPL Port Sheet describes the IPL port common options:

- SDLC controller address
- Disable timer
- Link activity timer

4. Go to STEP 81.

Link IPL Sheet - Part A

37 Model:	PU Name:
Serial Number:	Order Number:

Individual IPL Link Parameters

(Default)	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
Line Address								
Duplex/Half duplex								
NRZI (Y)								
DX Facility (Y)								
Switched Line (N)								
Answer Tone (N)								
Ring Indicated (N)								
Direct Attached or Externally Clocked (E)								
Data Rate (H)								
Enable Timer (0000)								

Link IPL Sheet - Part B

Common IPL Link Parameters

SDLC Controller Address	Disable Timer	Link Activity Timer
	(0030)	(0600)

Selecting the Link IPL Port Function

The cables for the IPL port must be connected before this function is used. If there is no cable attached, then the line cannot be defined as a link IPL port.

1. In the 3720 basic menu:

To select the link IPL port function, press:



2. If displaying the channel adapters of a 3720 Model 1 or 11, go to STEP 82.
3. If executing this function for a 3720 that will have the control program transferred via an SDLC link, go to STEP 84.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN:

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

CONFIG DATA FILE : CDF	LINE DESCR FILE : LDF	MACHINE LVL TABLE : MLT
CONTROL PRGM PROC : C	LINE INTERF DPLY : LID	MICROCODE FIXES : MCF
DISK FUNCTIONS : DF	LINE THRESHOLD : LTH	PANEL FUNCTIONS : PAF
DISK IPL INFO : DII	LINK IPL PORTS : LKP	PASSWORDS : P
EVENT LOG DISPLAY : E	LINK TEST : LT	PORT SWAP FILE : PS
IML MOSS : IML	LOAD LK TEST REQ : LOG	TOKEN RING INTR : TRI
IML ONE SCANNER : IS	LOAD LK TEST RESP: LOS	WRAP TEST : WT
IPL 3720 : IPL		

Selecting the LKP Display Option for a 3720 Model 1 or 11

1. The LKP option screen is displayed.

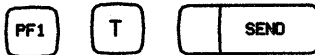
The lower part of the screen indicates which line address is linked to which IPL port.

2. To display the channel adapters screen on the 3720 Model 1 or 11, press:



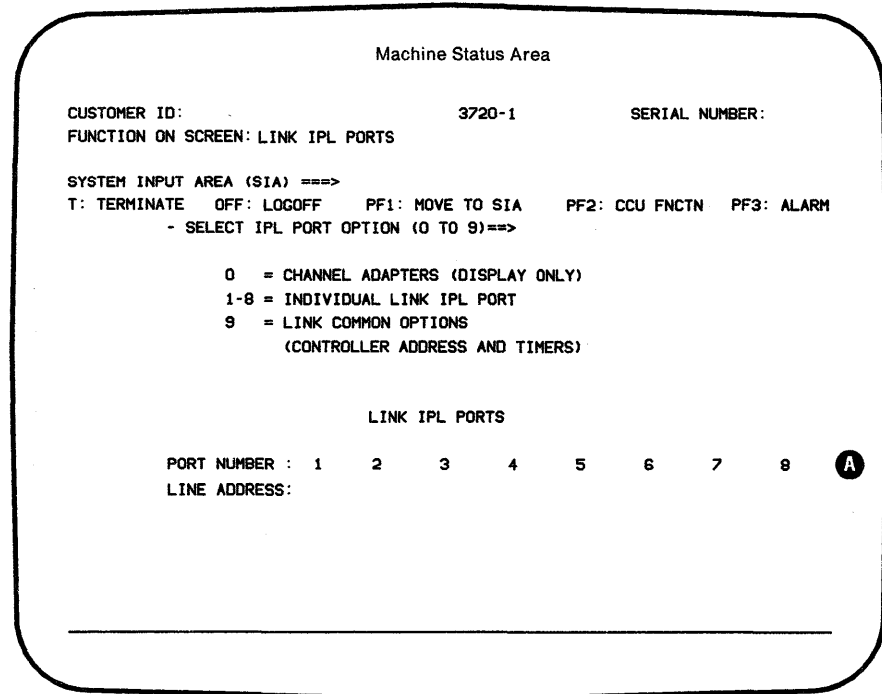
Warning: Do not select options 1 to 9. The characteristics of the link IPL ports are already defined.

If, by mistake, you select one of these options, quit and terminate the LKP function by pressing:



In this way, you terminate the link IPL port function without modifying the link port characteristics. Then repeat STEP 81 to access the LKP display option.

3. Go to STEP 83.

A screenshot of a terminal screen titled 'Machine Status Area'. It displays customer and serial information, function options, and a list of link IPL ports. A cursor is positioned at the end of the port list.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: LINK IPL PORTS

SYSTEM INPUT AREA (SIA) ==>>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

- SELECT IPL PORT OPTION (0 TO 9)==>

0 = CHANNEL ADAPTERS (DISPLAY ONLY)

1-8 = INDIVIDUAL LINK IPL PORT

9 = LINK COMMON OPTIONS (CONTROLLER ADDRESS AND TIMERS)

LINK IPL PORTS

PORT NUMBER : 1 2 3 4 5 6 7 8 A

LINE ADDRESS:

Displaying the Channel Adapters for a 3720 Model 1 or 11

1. The channel adapter screen is displayed.

It shows your actual channel adapter configuration.

You can now check that the display configuration matches your Requirements Sheet.

2. Return to the LKP option screen by pressing:

PF6

3. The LKP option screen is displayed.
4. Go to STEP 84.

Machine Status Area

CUSTOMER ID:

3720-1

SERIAL NUMBER:

FUNCTION ON SCREEN: LINK IPL PORTS

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

CHANNEL ADAPTERS

CHANNEL ADAPTER IS INSTALLED (Y)

CHANNEL ADAPTER IS NOT INSTALLED (N)

CA 1 : Y

CA 2 : Y

PF6: IPL PORT OPTIONS

Entering the Link IPL Port Characteristics

1. This screen is displayed.
2. Refer to Part A of your IPL Port Sheet, and find the characteristics specified for the displayed IPL port.
3. You can enter these characteristics (use the tabulation key, or the key programmed on your keyboard, to go from one characteristic to another), or delete a port (press the space bar on the line address field), then press:



The following message is displayed:

IPL PORT TABLE UPDATED AND FILED

4. To enter the characteristics of the next IPL port, press:



and repeat 3 above, for the next IPL port.

5. When you have finished:

- Return to the LKP option screen:



- Select the Link IPL port common options:



6. Go to STEP 86.

Machine Status Area

CUSTOMER ID:

3720-1

SERIAL NUMBER:

FUNCTION ON SCREEN: LINK IPL PORTS

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

LINK IPL-PORT 1

- LINE ADDRESS (0 TO 27 AND 32 TO 63) ==> 3

- FULL DUPLEX (F) OR HALF DUPLEX (H) ==> F

- LINK INTERFACE OPTIONS (Y = YES, N = NO)

NRZI ==> Y

DX FACILITY ==> Y

SWITCHED LINE ==> N

ANSWER TONE ==> N

RING INDICATOR ==> N

- DIRECT-ATTACH (D) OR EXTERNAL CLOCK (E) ==> E

- DATA RATE (H = HIGH, L = LOW) ==> H

- ENABLE TIMER IN 0.1 SECOND INTERVALS ==> 0000

PF6: IPL PORT OPTIONS

PF8: FORWARD

Note: The displayed characteristics for a first-installed 3720 are the default values. The displayed characteristics for an upgraded 3720 describe the previous configuration.

Entering the Link Common Options

1. This screen is displayed.

The displayed characteristics for a first-installed 3720 are the default values.

The displayed characteristics for an upgraded 3720 describe the previous configuration.

2. Refer to Part B of your IPL Port Sheet, and find the characteristics specified for the common options displayed.
3. Enter these characteristics, thus replacing the previous ones. After each entry, press:

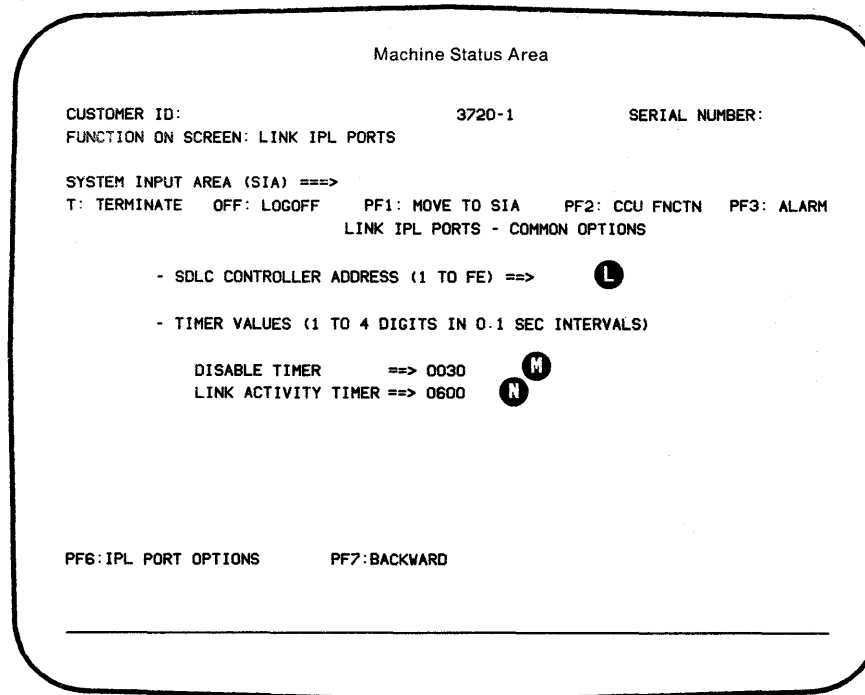


4. When you have entered or updated the characteristics of all common options, terminate the LKP function by pressing:



5. The 3720 basic menu is displayed.
6. If you do not have an RSF link, or if you have upgraded your 3720 with new communication features, or downgraded it (PASS 2 only), go to STEP 89.

If you have an RSF link, go to STEP 87.



Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: LINK IPL PORTS

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

LINK IPL PORTS - COMMON OPTIONS

- SDLC CONTROLLER ADDRESS (1 TO FE) ==> L

- TIMER VALUES (1 TO 4 DIGITS IN 0.1 SEC INTERVALS)

DISABLE TIMER ==> 0030 M

LINK ACTIVITY TIMER ==> 0600 N

PF6: IPL PORT OPTIONS PF7: BACKWARD

Getting the Information Required by IBM Hardware Central Service (HCS)

1. Get the following information and enter it in the next column.
 - a. Your customer identification
 - b. Your name and telephone number
 - c. The name and telephone number of someone to contact in your organization regarding future maintenance calls.
 - d. The serial number of the 3720 whose RSF link you want tested.
 - e. The telephone number of the RSF modem.
 - f. Whether the password is temporary or permanent.
2. Go to STEP 88.

Information required by the IBM Hardware Central Service.

Customer

Identification.....

Name.....

Phone number.....

Contact person

Name.....

Phone number.....

3720 serial number.....

RSF modem phone number.....

Password (do not write it down)

Temporary/Permanent.....

IBM Hardware Central Service Identification

IBM contact person

Name.....

Phone number.....

RSF Link Test

Requested on..... (date)

Successful on..... (date)

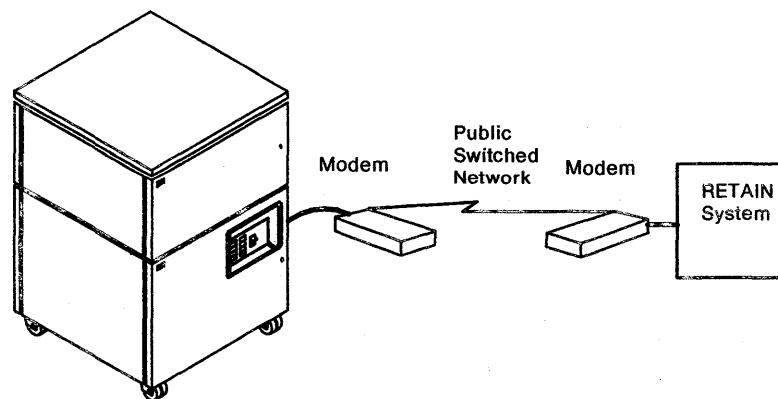
Checking the RSF Link

1. Now have the RSF link checked by the IBM Hardware Central Service (HCS). They may also want to apply microcode fixes at the same time. Give them the information you wrote in the previous step.
2. Switch the modem on.
3. Telephone your IBM Hardware Central Service (you should get the telephone number from your installation coordinator).

Tell them:

- That you want to be registered in the RETAIN system.
- That you want them to check the RSF link to your 3720.

4. When the test is completed, go to STEP 89.



RSF Attachment

Using the Disk Functions

1. You can use this function to save the customized disk contents on your backup diskettes:
 - When you have defined the configuration of a first-installed 3720, or
 - When you have updated the configuration of an upgraded or downgraded 3720.
2. To perform this function, insert the required diskettes in the 3720 diskette drive when prompted on the screen. If you are at a remote site, make sure someone is available to insert the diskettes when required.
3. If, when you perform this function, any message is displayed, see STEP 108.
4. Go to STEP 90.

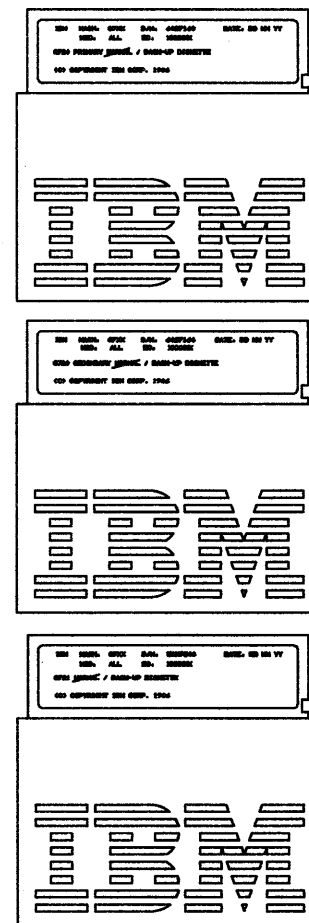
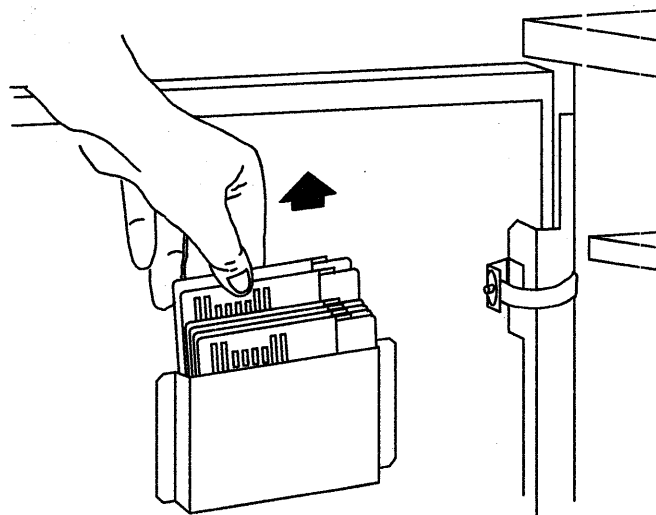
Getting the Backup Diskettes

1. If you have a 3720 only, use the 3720 primary and secondary backup diskettes.

If you have a 3720 and a 3721, use also the 3721 backup diskette.

Warning: If you use any other diskettes, ensure that they are formatted. Refer to 3720/3721 Extended Services, GA33-0066.

2. Find the required backup diskettes in the diskette holder inside the 3720 front door.
3. Go to STEP 91.



Selecting the Disk Functions

1. In the 3720 basic menu select the disk function by pressing:



2. Go to STEP 92.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN:

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

CONFIG DATA FILE : CDF	LINE DESCR FILE : LDF	MACHINE LVL TABLE : MLT
CONTROL PRGM PROC : C	LINE INTERF DPLY : LID	MICROCODE FIXES : MCF
DISK FUNCTIONS : DF	LINE THRESHOLD : LTH	PANEL FUNCTIONS : PAF
DISK IPL INFO : DII	LINK IPL PORTS : LKP	PASSWORDS : P
EVENT LOG DISPLAY : E	LINK TEST : LT	PORT SWAP FILE : PS
IML MOSS : IML	LOAD LK TEST REQ : LOQ	TOKEN RING INTR : TRI
IML ONE SCANNER : IS	LOAD LK TEST RESP: LOS	WRAP TEST : WT
IPL 3720 : IPL		

Selecting the Save Disk onto Diskettes Option

1. The DF option menu is displayed.
2. Select the 'save disk onto diskettes' option by pressing:



3. Go to STEP 93.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: DISK FUNCTIONS

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

DISK FUNCTION SELECTION

- SELECT ONE OF THE FOLLOWING FUNCTION ==>-

- 1 = EC MICROCODE INSTALLATION
- 2 = SAVE DISK ONTO DISKETTES
- 3 = RESTORE DISK FROM DISKETTES
- 4 = DISKETTE INITIALIZATION
- 5 = POSITION DISK RECORDING ARM BACK TO LANDING ZONE

Entering a Save Identification

1. This screen is displayed.
2. To identify the level of the diskettes, you must enter a save identification. The save identification can be one to eight alphanumeric characters (blanks and nulls are not allowed).

Enter the save identification.

3. If you have a 3720 only, press:

N

SEND

4. If you have a 3720 and a 3721:

To have the same save identification applied to the 3721, press:

Y

SEND

5. Go to STEP 94.

Machine Status Area

CUSTOMER ID:	3720-1	SERIAL NUMBER:
FUNCTION ON SCREEN: DISK FUNCTIONS		
SYSTEM INPUT AREA (SIA) ==>		
T: TERMINATE	OFF: LOGOFF	PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM
SAVE DISK ONTO DISKETTES		
<div style="display: flex; justify-content: space-between;"> <div> <p>- DATE: 20/10/85 (MM/DD/YY)</p> <p>- ENTER SAVE ID (FROM 1 TO 8 CHARACTERS) ==></p> <p>- DO YOU WANT TO SAVE ALSO 3721 INFORMATION (Y OR NO) ==></p> </div> <div style="text-align: right;"> <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin-bottom: 10px;">A</div> <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">B</div> </div> </div>		
PF6: QUIT		

Inserting the 3720 Primary Backup Diskette

1. This screen is displayed.
2. Find the first diskette.
3. Go to STEP 95.

Machine Status Area

CUSTOMER ID:	3720-1	SERIAL NUMBER:
FUNCTION ON SCREEN: DISK FUNCTIONS		

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE	OFF: LOGOFF	PF1: MOVE TO SIA	PF2: CCU FNCTN	PF3: ALARM
SAVE DISK ONTO DISKETTES				

- MOUNT FIRST DISKETTE. THEN PRESS SEND

PF6: QUIT

Inserting the 3720 Primary Backup Diskette (Continued)

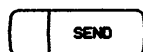
4. Get the 3720 primary backup diskette.

5. Open the latch of the diskette drive.

6. Insert the diskette.

7. Close the latch of the diskette drive.

8. To save the contents of the disk, press:



The following message is displayed:

SAVE DISK ONTO PRIMARY DISKETTE IN
PROGRESS

When the save is completed, the following message is
displayed:

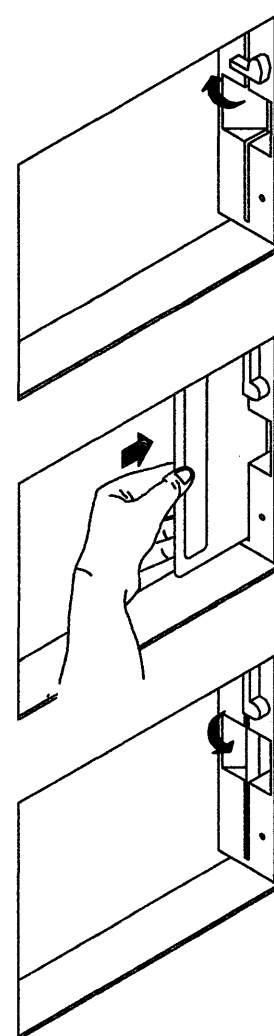
DISK SAVE TO PRIMARY DISKETTE COMPLETED.
REMOVE DISKETTE THEN PRESS SEND

9. Remove the diskette and press:



10. If any other message is displayed, see STEP 108.

11. Go to STEP 96.



Inserting the 3721 Backup Diskette

1. This screen is displayed.
2. Go to STEP 97.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: DISK FUNCTIONS

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

SAVE DISK ONTO DISKETTES

- MOUNT FIRST DISKETTE, THEN PRESS SEND

PF6: QUIT

Inserting the 3721 Backup Diskette (Continued)

3. Get the 3721 backup diskette.
4. Open the latch of the diskette drive.
5. Insert the 3721 backup diskette.
6. Close the latch of the diskette drive.
7. To save the contents of the disk, press:



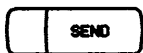
The following message is displayed:

SAVE DISK ONTO EXPANSION DISKETTE IN
PROGRESS

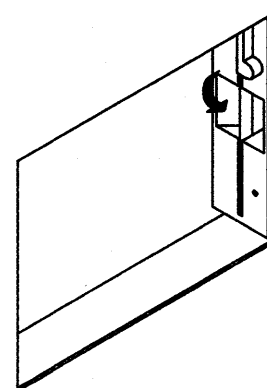
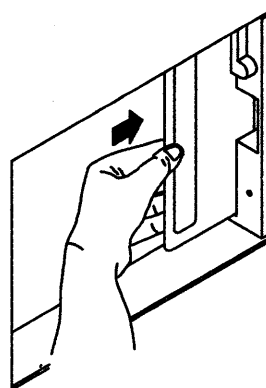
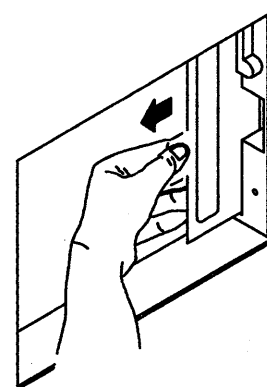
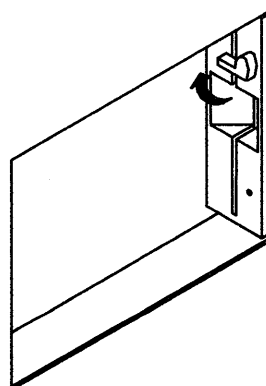
When the save is completed, the following message is
displayed:

DISK SAVE TO 3721 DISKETTE COMPLETED.
REMOVE DISKETTE THEN PRESS SEND

8. Remove the diskette and press:



9. If any other message is displayed, see STEP 108.
10. Go to STEP 98.



Inserting the 3720 Secondary Backup Diskette

1. This screen is displayed.
2. Go to STEP 99.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: DISK FUNCTIONS

SYSTEM INPUT AREA (SIA) ==>

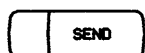
T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

SAVE DISK ONTO DISKETTES

- MOUNT SECOND DISKETTE. THEN PRESS SEND

Inserting the 3720 Secondary Backup Diskette (Continued)

4. Get the 3720 secondary backup diskette.
5. Open the latch of the diskette drive.
6. Insert the secondary backup diskette.
7. Close the latch of the diskette drive.
8. To save the contents of the disk, press:



The following message is displayed:

SAVE DISK ONTO SECONDARY DISKETTE IN
PROGRESS

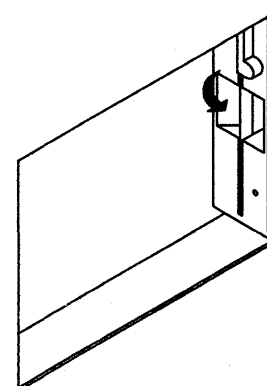
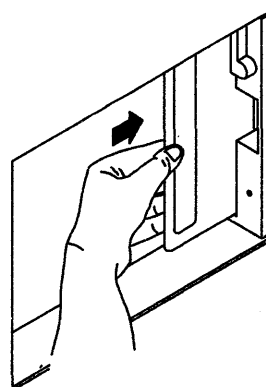
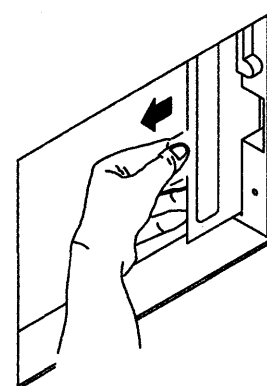
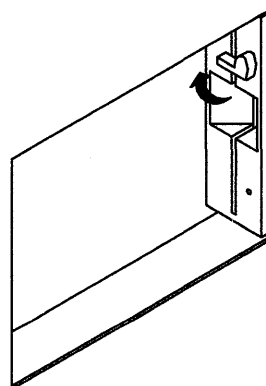
When the save is completed, the following message is
displayed:

DISK SAVE TO SECONDARY DISKETTE
COMPLETED. REMOVE DISKETTE THEN
PRESS SEND

9. Remove the diskette and press:



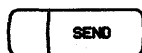
10. If any other message is displayed, see STEP 108.
11. If you have a 3720 only, go to STEP 102.
12. If you have a 3720/3721, go to STEP 100.



Updating the backup Diskettes Identification

1. This screen is displayed.
2. Write the date and the displayed information on a label and stick the label onto the backup diskettes on which the customized disk content has been saved.

3. Then, as prompted, press:



4. Terminate the disk function by pressing:



5. The 3720 basic menu is displayed.
6. Go to STEP 101.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: DISK FUNCTIONS

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

SAVE DISK ONTO DISKETTES

DISK CORRECTLY SAVED. TAKE NOTE OF THE FOLLOWING INFORMATION:

DATE = XX/XX/XX (MM/DD/YY)

EC = XXXXXXX

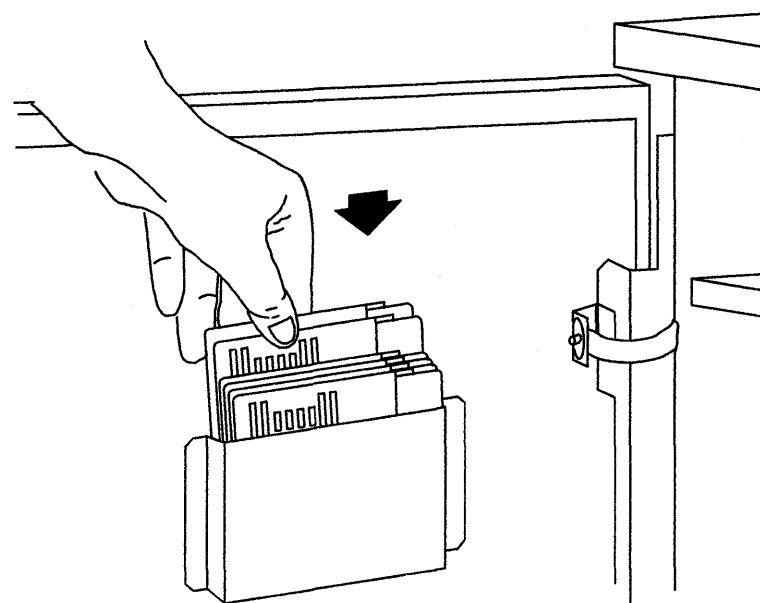
SAVE ID = XXXXXXXX

INTERNAL ID = HH/MM/SS

THEN PRESS SEND

Storing the Backup Diskettes

1. Replace all backup diskettes in their respective envelopes.
2. Put all backup diskettes in the diskette holder inside the front door of the 3720.
3. Go to STEP 102.



Using the IPL 3720 Function

1. In the preceding steps, you have customized or updated the configuration of your communication controller.

Now you must use the IPL function to initialize the communication controller.

During initialization, the control program and the microcode are loaded.

2. You can now IPL your communication controller from either:
 - The operator panel (refer to the *3720/3721 Communication Controllers, Operator's Guide* GA33-0065), or
 - The console, go to STEP 103.
3. If, when you perform this function, any message other than the ones given in the following steps is displayed, see STEP 108.

Selecting the IPL 3720 Function

1. Position the switches on the control panel as follows:

- Have the Panel/Console switch to 'Panel'.

Note: If you perform IPL from a remote console, refer to *3720/3721 Extended Services* for more information.

- If you have a 3720 Model 1 or 11, set the required Channel Adapter Interface switches to 'Enbl'. (When operating in link-attachment mode, set these switches to 'Dsbl'.)
- Set the Function Select switch to 'Normal'.
- Set the Power Control switch to the appropriate position.

2. In the 3720 basic menu, select the IPL 3720 function by pressing:



3. Go to STEP 104.

Machine Status Area

CUSTOMER ID:

3720-1

SERIAL NUMBER:

FUNCTION ON SCREEN:

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE

OFF: LOGOFF

PF1: MOVE TO SIA

PF2: CCU FNCTN

PF3: ALARM

CONFIG DATA FILE : CDF

LINE DESCR FILE : LDF

MACHINE LVL TABLE : MLT

CONTROL PRGM PROC : C

LINE INTERF DPLY : LID

MICROCODE FIXES : MCF

DISK FUNCTIONS : DF

LINE THRESHOLD : LTH

PANEL FUNCTIONS : PAF

DISK IPL INFO : DII

LINK IPL PORTS : LKP

PASSWORDS : P

EVENT LOG DISPLAY : E

LINK TEST : LT

PORT SWAP FILE : PS

IML MOSS : IML

LOAD LK TEST REQ : LOQ

TOKEN RING INTR : TRI

IML ONE SCANNER : IS

LOAD LK TEST RESP: LOS

WRAP TEST : WT

IPL 3720 : IPL

IPL Execution

1. This screen is displayed.

To confirm your selection, press:

- 2. Go to STEP 105.**

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:

FUNCTION ON SCREEN: IPL

SYSTEM INPUT AREA (SIA) ==>

T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM

- PLEASE CONFIRM YOUR SELECTION: Y=YES, N=NO ==>

Checking the IPL Progression

1. While IPL is in progress this screen is displayed.

There are four phases to IPL and you will be told when each phase is finished. The message of the upper part of the screen is:

IPL PHASE 1 PHASE 2 PHASE 3 PHASE 4

Each phase message is displayed when the phase is finished.

If you perform IPL using the panel only, after each phase is finished, X 'FFn' is displayed, where 'n' is the number of the phase.

No operator action is required.

When phase 4 is finished, the following message is displayed:

IPL PHASE 1 PHASE 2 PHASE 3 PHASE 4
ENABLED PORTS CA NN L NNNNNNNN

2. If any other message is displayed, see STEP 108.
3. Go to STEP 106.

Machine Status Area

CUSTOMER ID: 3720-1 SERIAL NUMBER:
FUNCTION ON SCREEN: IPL 3720

SYSTEM INPUT AREA (SIA) ==>
T: TERMINATE OFF: LOGOFF PF1: MOVE TO SIA PF2: CCU FNCTN PF3: ALARM
CCU AND SCANNER IPL

WARNING : SELECTING TERMINATE FUNCTION OR SWITCHING OR
POWERING OFF YOUR CONSOLE BEFORE 'IPL COMPLETE'
CANCELS THE IPL

PF4: STOP PF5: RESUME

Requesting the Host Operator to Load the Control Program

1. Call the host computer operator and ask for the control program that has been generated for this specific 3720 to be loaded into your machine.
2. The 3720 control program has been loaded when the IPL COMPLETED message appears on the screen:

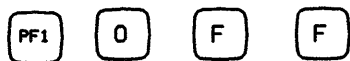
IPL PHASE 1 PHASE 2 PHASE 3 PHASE 4
IPL COMPLETED

If you are using the panel, X: '000' appears on the display when IPL has completed without errors. If you IPL from diskette, X'FFD' means IPL completed without errors.

3. When this is done, terminate the IPL function by pressing:



4. The basic 3720 menu is displayed.
5. You can keep it displayed or you can log off by pressing:



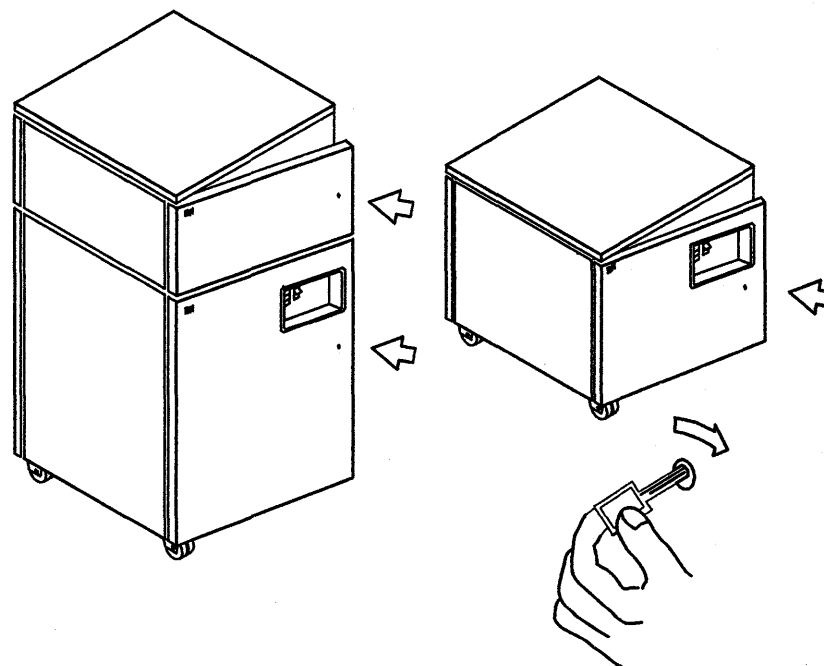
6. **YOUR 3720 IS NOW INTEGRATED INTO THE NETWORK AND OPERATIONAL.**

Set the Panel/Console switch to 'Console' if you want to control your communication controller from the console.

7. Go to STEP 107.

Close the 3720 and/or 3721 Front Doors

1. Get the key.
2. Close the front door.
3. Turn the key clockwise to lock.
4. Give the key to your installation coordinator.
5. **END OF SYSTEM INTEGRATION.**



List of Messages

1. If any of the following messages is displayed, check the cause and take the action described in the table below. Then, retry the corresponding MOSS function or option.
If the cause is different from the one given in the following table, refer to the *3720/3721 Problem Determination Guide*.
2. If any other message is displayed, refer to the *3720/3721 Problem Determination Guide*.

MESSAGE	CAUSE	ACTION
- FUNCTION NOT ALLOWED LIC NOT INSTALLED - CABLE NOT INSTALLED - CABLE NOT IN DIRECT ATTACHMENT	You may have entered a wrong line address. The line address specified on your Requirements Sheet may be wrong. Check with the person in charge of the configuration	Check the line address on your Requirements Sheet and re-enter
- INCORRECT PASSWORD	You entered an incorrect password	Check the password rules described in your STEP and re-enter
- DISKETTE NOT READY	The diskette is not inserted in the 3720 diskette drive or the latch of the diskette drive is not in the locked position	Request the diskette to be inserted and/or the latch to be set to the locked position
- IPL STOP	The IPL stopped at the beginning of a phase on your request (using PF4)	Press PF5 to resume the IPL
PANEL MESSAGE	CAUSE	ACTION
X'FFE'	An error occurred during the IPL process, but the IPL was completed.	Check your disk or diskette for damage or missing files. Start IPL again.

We would greatly appreciate your comments about this manual.

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Did you find the information you required?

Could you follow the instructions?

Was there anything missing?

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