

# **BLISS-36 Compiler Installation Notes**

Order No. AA-J937E-TK

**November 1984**

This document describes the process by which a BLISS-36 compiler is installed on a TOPS-10 or TOPS-20 system. It should be read before the installation is attempted.

**OPERATING SYSTEM AND VERSION:** TOPS-10 V7.01A, TOPS-20  
V5.1(KL), TOPS-20 V4.1(KS)

**SOFTWARE VERSION:** BLISS-36 V4A(225) implementing  
BLISS language V4.1

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## CHAPTER 1

### INTRODUCTION -- PLEASE READ

This document is designed to help you install BLISS-36 Version 4.1 on either a TOPS-10 or TOPS-20 system. During normal installation, you will copy the release tape to disk and submit the installation batch control file INS36.CTL, setting the time limit at 30 minutes. This procedure installs BLISS-36 using devices SYS:, BLI:, DOC:, and HLP:. It is assumed that these devices are available and may be written to, and that the latest version of LINK (LINK-10 V4A, LINK-20 V5.1 (KL), LINK-20 V4.1 (KS)) is available on your system area. Refer to the installation batch control file (INS36.CTL) and the appropriate chapter listed in the table of contents if you have any difficulties with the installation or if you wish to perform a nonstandard installation.



CHAPTER 2  
INSTALLATION PROCEDURES FOR TOPS-20

2.1 NORMAL INSTALLATION PROCEDURES

This section describes installation procedures that you can use when performing a normal BLISS-36 installation. A later section describes variations you may use.

1. Log in to an account that allows you write and delete access to the devices SYS:, BLI:, DOC:, and HLP:. Connect to a directory that has at least 2600 free pages of working storage. Installation is easier if the directory is empty when you begin. For this sample installation, the directory is called <USER-DEFINED-AREA> on device DSKX. To connect, type the following at the "@" prompt:

```
CONNECT DSKX:<USER-DEFINED-AREA>
```

2. Transfer the release kit files from the tape to the directory. The tape has four save sets. The first save set contains the documentation files, and the second save set contains the remaining files needed for the installation procedure. The third and fourth save sets are duplicate save sets provided in case the files are garbled. You must make sure that the proper tape parameters are used. Type the following:

```
SET TAPE DENSITY 1600  
SET TAPE RECORD-LENGTH 512
```

3. Mount the tape by typing the following:

```
MOUNT TAPE BLSTP: /LABEL:UNLABELED/READ-ONLY
```

4. Run DUMPER to transfer the contents of the tape to the disk area:

```
@DUMPER  
DUMPER>TAPE BLSTP:  
DUMPER>SUPERSEDE ALWAYS  
DUMPER>REWIND  
DUMPER>ACCOUNT SYSTEM-DEFAULT  
DUMPER>FILES  
DUMPER>RESTORE PS:<*>*. *.* DSKX:<USER-DEFINED-AREA>*. *.-1  
DUMPER>RESTORE PS:<*>*. *.* DSKX:<USER-DEFINED-AREA>*. *.-1
```

"DUMPER>" is the DUMPER program's prompt. You should substitute your own device and directory in the RESTORE command. This should cause the files to be transferred from the tape to the specified area. Each file name will be displayed on your terminal as it is transferred.

Do not type anything while the files are being transferred. Type the following once you receive the DUMPER> prompt:

```
EXIT
```

## INSTALLATION PROCEDURES FOR TOPS-20

This will return you to the "@" prompt. It is recommended that you keep your tape mounted until the BLISS system is completely installed. If you need the drive, however, dismount the tape by typing the following at the "@" prompt:

```
DISMOUNT BLSTP:
```

5. Now you are ready to install BLISS-36. A BATCH command file has been provided to do the work for you. If the account you are logged in to requires that capabilities be enabled before it can write-access the areas on which the BLISS-36 system will be installed, add an "ENABLE" command to the BLISS.CMD file. Run the installation batch control file on a KL processor by typing the following at the "@" prompt:

```
SUBMIT INS36.CTL/TIME:00:30:00
```

To run the installation batch control file on a KS processor, type:

```
SUBMIT INSKS.CTL/TIME:02:30:00
```

You should receive another prompt almost immediately.

Wait for the batch job to complete. You can check to see if it is still running by typing:

```
INFORMATION BATCH
```

On most systems this can be abbreviated to:

```
I B
```

When INS36 no longer appears in the batch queue listing, examine the resulting log file. The file will be called "INS36.LOG." On most systems the above SUBMIT causes the log file to spool automatically to the line printer.

Look first at the last few lines of the log file. If a message such as the following appears, something has gone wrong with the installation procedure:

```
*****
*
*           INSTALLATION OF BLISS-36 FAILED           *
*
*****
```

Read Section 2.2 to find out why the installation failed and how to correct the problem. If the installation is successful, you will see the message:

```
*****
*
*           SUCCESSFUL INSTALLATION OF BLISS-36       *
*
*****
```

If the installation is successful, skip to Section 2.4 entitled "After Installation."

### 2.2 WHAT TO DO IF SOMETHING GOES WRONG

If you closely follow the procedures in this document, you should not encounter any serious installation problems.



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If you run out of space during installation, we suggest that you delete and expunge any previous versions of the files being transferred.

If files on the tape are garbled, duplicate save sets are provided on the tape. To get to them, follow the directions for mounting and initializing DUMPER. On the line following DUMPER>FILES, however, type:

SKIP 2

This will move you to the start of the duplicate save sets. Now use the RESTORE command to dump either the entire set of files or individual files that were garbled on the first save set.

If the INS36 batch job failed to complete, search the listing until you find the last statement that was executed. This last statement will be followed by an error message, which starts with a question mark. Comments have been inserted in the file to provide you with some idea of what went wrong. If you need further help, contact your system manager.

There are three types of corrective action you can take if the INS36 batch job failed to complete:

1. You can replace a file, possibly from the duplicate save sets as previously described.
2. You can modify INS36.CTL. Comments have been provided to assist you.
3. You can modify the release files, though generally this should not be done since you are likely to create more problems than you solve.

You should delete the previous copy of INS36.LOG before running the batch job again. If you do not, the files will be concatenated by the batch spooler. Some installations include a /BATCH-LOG:SUPERSEDE switch on a SUBMIT that causes the previous log file, if any, to be superseded rather than concatenated. If such a switch is available, you should use it.

### 2.3 VARIATIONS IN INSTALLATION PROCEDURES

No one installation procedure can accommodate all systems. You can tailor the procedure to your system by editing INS36.CTL and reading the comments in that file.

The most common variation in this procedure is installing BLISS-36 on a nonstandard device. With many systems, you must first install new software in a temporary area until all concerned are satisfied with its reliability. Because we try very hard to guarantee that every release is as reliable as any previous release, you are encouraged to install BLISS-36 directly on SYS:. However, if you still wish to install BLISS-36 in a temporary area, read on.

There are three ways you can redirect the installation procedure to another device. The simplest way is to use the file BLISS.CMD. The INS36.CTL will look for BLISS.CMD and execute the commands from this

## INSTALLATION PROCEDURES FOR TOPS-20

file. You can add to this file some alternate definitions for devices SYS:, BLI:, DOC:, and HLP:. For example, the following will cause any files written to device SYS: to go to device NEW:; an attempt to read a file from SYS: will find the file on SYS: if it is not on NEW::

```
DEFINE SYS: NEW:,SYS:
```

Another way to redirect the installation procedure is to change the definitions appearing in INS36.CTL. These definitions allow you more control over what goes where. Comments appearing with the device definitions explain what each logical device name means.

The third method to redirect the installation procedure is to find the place in INS36.CTL where the files in question are transferred and modify that line appropriately. This allows you the most control over the redirection but requires the most work.

A link-time constant has been added to enable the compiler to generate indirect-through-memory instructions. This capability is disabled by default.

To change the default, modify BLISS.LNK where it defines the link-time constant INDIR. The link commands have the following meaning:

```
/DEFINE:INDIR:0 - No indirect-through-memory instructions  
/DEFINE:INDIR:1 - Indirect-through-memory instructions
```

### 2.4 AFTER INSTALLATION

A few cleanup tasks remain once installation is complete.

Most importantly, place a note in the system login messages to inform users that BLISS-36 has been installed. Because the procedures for doing this vary widely from system to system, the note is not included in the installation batch file. The file "BLISS.NTC," supplied with the kit, contains a typical message which you can modify.

It is recommended that the installation area, to which you dumped the tape, be kept intact. This will make updates and modifications much easier. If, however, disk space is at a premium on your system, you can delete these files in either of two ways:

1. If the area was empty when you started, type the following at the "@" prompt:

```
DELETE *.*,  
@EXPUNGE
```

2. If there were files that you wish to keep on the disk, typing the following will delete most of the files:

```
SUBMIT DEL36.CTL/TIME:00:30:00
```

When this is done, you may type the following to delete the rest of the files:

```
DELETE DEL36.*,  
@EXPUNGE
```

## INSTALLATION PROCEDURES FOR TOPS-20

### 2.5 DIRECTORY OF TAPE

The following is a list of the files included on the first save set of the installation tape:

BCREF.HLP  
BLISS.BWR  
BLISS.DOC  
BLISS.HLP  
BLISS.INS  
CVT10.DOC  
CVT10.HLP  
DEL36.CTL  
DMPREL.HLP  
INS36.CTL  
INSKS.CTL  
MONINT.DOC  
SIX12.HLP  
SIX12.MEM  
TUTIO.HLP

The following is a list of the files included on the second save set of the installation tape:

B361AB.REL  
B361AT.REL  
B361LB.REL  
B361LT.REL  
B362LB.REL  
B362PB.REL  
BCREF.EXE  
BLISS.CMD  
BLISS.LNK  
BLISS.NTC  
BLISS.REL  
BLSOTS.MAC  
CHKC2L.B36  
CHKEXT.B36  
CHKMKL.EXE  
CHKMT2.EXE  
CVT10.EXE  
CVT10.SNO  
DEB36.LNK  
DEB36.REL  
DMPREL.EXE  
ERROR.BNR  
EZIO10.B36  
EZIO10.REL  
EZIO20.B36  
EZIO20.REL  
FLDDB.R36  
LSTCHK.BLI  
MONINT.EXE  
MONSYM.L36  
MONSYM.R36  
NORMAL.BNR  
PSI20.B36  
REG1AB.MAC  
REG1AT.MAC  
REG1LB.MAC  
REG1LT.MAC  
REG2LB.MAC  
REG2PB.MAC  
SIX12.B36  
TENDEF.L36  
TENDEF.R36

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TUTIO.R36  
UUOSYM.L36  
UUOSYM.R36  
XDUMP.REL  
XPORT.L36  
XPORT.REQ  
XPOT10.DBG  
XPOT10.REL  
XPOT20.DBG  
XPOT20.REL

### 2.6 INSTALLATION DIRECTORY

The following is a list of the files that this installation procedure actually installs. The device name given is the default device to which the file is transferred. The files that go to device NUL: are not installed by default.

SYS:B361AB.REL  
SYS:B361AT.REL  
SYS:B361LB.REL  
SYS:B361LT.REL  
SYS:B362LB.REL  
SYS:B362PB.REL  
SYS:BCREF.EXE  
HLP:BCREF.HLP  
DOC:BLISS.BWR  
DOC:BLISS.DOC  
SYS:BLISS.EXE  
HLP:BLISS.HLP  
NUL:BLISS.REL  
BLI:BLSOTS.MAC  
DOC:CVT10.DOC  
SYS:CVT10.EXE  
HLP:CVT10.HLP  
BLI:CVT10.SNO  
SYS:DEB36.EXE  
NUL:DEB36.REL  
SYS:DMPREL.EXE  
HLP:DMPREL.HLP  
BLI:EZIO10.B36  
BLI:EZIO10.REL  
BLI:EZIO20.B36  
BLI:EZIO20.REL  
BLI:FLDDB.R36  
DOC:MONINT.DOC  
SYS:MONINT.EXE  
BLI:MONSYM.L36  
BLI:MONSYM.R36  
BLI:REG1AB.MAC  
BLI:REG1AT.MAC  
BLI:REG1LB.MAC  
BLI:REG1LT.MAC  
BLI:REG2LB.MAC  
BLI:REG2PB.MAC  
BLI:SIX12.B36  
HLP:SIX12.HLP  
DOC:SIX12.MEM  
BLI:TENDEF.L36  
BLI:TENDEF.R36  
HLP:TUTIO.HLP  
BLI:TUTIO.R36  
BLI:UUOSYM.L36  
BLI:UUOSYM.R36

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SYS:XDUMP.EXE  
BLI:XDUMP.REL  
BLI:XPORT.DBG  
BLI:XPORT.L36  
BLI:XPORT.REL  
BLI:XPORT.REQ  
BLI:XPOT10.DBG  
BLI:XPOT10.REL  
BLI:XPOT20.DBG  
BLI:XPOT20.REL

### 2.7 IMPORTANT FILES

The following are important files in the installation kit that you should be familiar with. These files may be in one or both of the two previous directories.

- B36\*.REL -- various versions of the BLISS run-time system
- BCREP.EXE -- the BLISS cross-reference postprocessor
- BCREP.HLP -- a help file for using BCREP.EXE
- BLISS.BWR -- the restriction section from BLISS.DOC
- BLISS.DOC -- a brief description of BLISS-36 V4.1 for users and potential users of BLISS
- BLISS.EXE -- the BLISS-36 compiler itself
- BLISS.HLP -- a help file on how to run BLISS
- BLISS.NTC -- a sample login message informing users that BLISS-36 has been installed
- DEL36.CTL -- a file that cleans out the installation area
- INS36.CTL -- a file that installs the BLISS-36 system from the installation area
- INSKS.CTL -- version of INS36.CTL for use on a KS processor
- BLISS.INS -- this document
- XPOT10.DBG -- special TOPS-10 XPORT debug object file for use with the SIX12 debugger
- XPOT10.REL -- standard TOPS-10 XPORT object file
- XPOT20.DBG -- special TOPS-20 XPORT debug object file for use with the SIX12 debugger
- XPOT20.REL -- standard TOPS-20 XPORT object file



## CHAPTER 3

### INSTALLATION PROCEDURES FOR TOPS-10

#### 3.1 NORMAL INSTALLATION PROCEDURES

This section describes installation procedures that you can use in performing a normal BLISS-36 installation. A later section describes variations you may use.

1. Log in to an account that allows you write and delete access to the devices SYS:, BLI:, DOC:, and HLP:. Connect to a directory that has at least 8000 blocks of free storage. Installation is easier if the directory is empty when you begin.

2. Transfer the release kit files from the tape to the directory. The tape has four save sets. The first save set contains the documentation files, and the second save set contains the remaining files needed for the installation procedure. The third and fourth save sets are duplicate save sets provided in case the files are garbled.

3. Mount the tape. There may be some variation between systems but the following applies to most systems. At the "." prompt, type:

```
MOUNT MTA: BTP: /RONLY /REELID:BLISS
```

Set the tape parameters:

```
SET BLOCKSIZE BTP: 512
```

Check the label printed on the tape and depending on which density it specifies, type either:

```
SET DENSITY BTP: 800
```

or

```
SET DENSITY BTP: 1600
```

4. Now run BACKUP:

```
.R BACKUP  
/TAPE BTP:  
/REWIND  
/INTERCHANGE  
/SUPERSEDE ALWAYS  
/FILES  
/RESTORE DSK:*.*[-] = ALL:*.*[*,*]  
/RESTORE DSK:*.*[-] = ALL:*.*[*,*]
```

INSTALLATION PROCEDURES FOR TOPS-10

The "/" is a prompt supplied by BACKUP. The files should be transferred from the tape to the specified area. Each file name will be displayed on your terminal as it is transferred.

Do not type anything while the files are being transferred. Once you receive a prompt, type:

```
/REWIND
/CHECK DSK:*. *[-]
/CHECK DSK:*. *[-]
```

The program will check each file on the disk against the file on the tape. As each file is checked, its name will be displayed on your terminal. An error message will be displayed if the files are not identical.

Wait for this process to complete, then type the following at the "/" prompt:

```
EXIT
```

This should return you to the monitor.

It is recommended that you keep your tape mounted until BLISS-36 is completely installed. However, if you need the drive, dismount the tape by typing the following at the "." prompt:

```
DISMOUNT BTP:
```

5. Now you are ready to install BLISS-36. A BATCH command file has been provided to do the work for you. On some (nonstandard) systems, accounting information must be included at the beginning of BATCH files. If this is the case on your system, edit that information into INS36.CTL. To run the installation batch control file, type the following at the "." prompt:

```
SUBMIT INS36.CTL/TIME:00:10:00
```

You will receive another prompt from the monitor almost immediately.

Wait for the batch job to complete. You can check to see if it is still running by typing the following at the "." prompt:

```
SUBMIT
```

When INS36 no longer appears in the batch queue listing, examine the resulting log file. The file will be called "INS36.LOG." On most systems the previously mentioned SUBMIT command will cause the log file to spool automatically to the line printer.

Look first at the last few lines of the log file. If the following message appears, something has gone wrong with the installation procedure:

```
*****
*
*           INSTALLATION OF BLISS-36 FAILED
*
*****
```



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Read Section 3.2 to find out why the installation failed and how to correct the problem. If the installation is successful, you will see the message:

```
*****
*
*          SUCCESSFUL INSTALLATION OF BLISS-36          *
*
*****
```

If the installation is successful, skip to Section 3.4 entitled "After Installation."

### 3.2 WHAT TO DO IF SOMETHING GOES WRONG

If you closely follow the procedures in this document, you should not encounter any serious installation problems.

If you run out of space at any point, we suggest that you delete any previous versions of the files being transferred.

If files on the tape are garbled, duplicate save sets are provided on the tape. To get to them, follow the directions in Section 3.1 for mounting and initializing BACKUP. Following the line /FILES, however, type the following at the "/" prompt:

SKIP 2

This will move you to the start of the duplicate save sets. Now use the RESTORE command to dump either the entire set of files or individual files that were garbled on the first save set.

If the INS36 batch job failed to complete, search the listing until you find the last statement that executed. This last statement will be followed by an error message, which starts with a question mark. Comments have been inserted in the file to provide you with some idea of what went wrong. If you need further help, contact your system manager.

There are three types of corrective action you can take if the INS36 batch job failed to complete:

1. You can replace a file, possibly from the duplicate save sets previously described.
2. You can modify INS36.CTL. Comments have been provided to assist you.
3. You can modify the release files, though generally this should not be done since you are likely to create more problems than you solve.

You should delete the previous copy of INS36.LOG before running the batch job again. If you do not, the files will be concatenated by the batch spooler.

### 3.3 VARIATIONS IN INSTALLATION PROCEDURES

No one installation procedure can accommodate all systems. You can tailor the procedure to your system by editing INS36.CTL and reading the comments in that file.

## INSTALLATION PROCEDURES FOR TOPS-10

The most common variation in this procedure is installing BLISS-36 on a nonstandard device. With many systems, you must first install new software in a temporary area until all concerned are satisfied with its reliability. Because we try very hard to guarantee that every release is as reliable as any previous release, you are encouraged to install BLISS-36 directly on SYS:. However, if you still wish to install BLISS-36 in a temporary area, read on.

There are three ways you can redirect the installation procedure to another device. One way is to change the definitions in INS36.CTL. Comments appearing with the device definitions explain what each logical device name means.

A second way involves finding the place in INS36.CTL where the file(s) in question are transferred and modifying that line as desired. This procedure allows a finer control but requires considerably more work.

A link-time constant has been added that enables the compiler to generate indirect-through-memory instructions. The default disables this capability.

To change the default, modify SEGCMN.LNK where it defines the link-time constant INDIR. The link commands have the following meaning:

```
/DEFINE:INDIR:0 - No indirect-through-memory instructions  
/DEFINE:INDIR:1 - Indirect-through-memory instructions
```

A link-time constant has been added to specify the default processor model of the target system for which code is to be generated. The default is currently set to KL10/KS10.

To change the default, modify SEGCMN.LNK where it defines the link-time constant CPUTYP. The link commands have the following meaning:

```
/DEFINE:CPUTYP:0 - Target system is a KA10  
/DEFINE:CPUTYP:1 - Target system is a KI10  
/DEFINE:CPUTYP:2 - Target system is a KL10 or KS10
```

### 3.4 AFTER INSTALLATION

A few cleanup tasks remain once installation is complete.

Most importantly, place a note in the system login messages notifying users that BLISS-36 has been installed. Because the procedures for doing this vary widely from system to system, the note is not included in the installation batch file. The file "BLISS.NTC," supplied with the kit, contains a typical message which you can modify.

It is recommended that the installation area, to which you dumped the tape, be kept intact. This will make updates and modifications easier. If, however, disk space is at a premium on your system, you can delete these files in either of two ways:

1. If the area was empty when you started, type the following at the "." prompt:

```
DELETE *.*
```

2. If there were files that you wish to keep on the area, typing the following at the "." prompt will delete most of the files:

```
SUBMIT DEL36.CTL/TIME:00:10:00
```

## INSTALLATION PROCEDURES FOR TOPS-10

When this is done, you may type the following to delete the rest of the files:

```
.DELETE DEL36.*
```

### 3.5 DIRECTORY OF TAPE

The following is a list of the files included on the first save set of the installation tape:

```
BCREF.HLP  
BLISS.BWR  
BLISS.DOC  
BLISS.HLP  
BLISS.INS  
CVT10.DOC  
CVT10.HLP  
DEL36.CTL  
DMPREL.HLP  
INS36.CTL  
MONINT.DOC  
SIX12.HLP  
SIX12.MEM  
TUTIO.HLP
```

The following is a list of the files included on the second save set of the installation tape:

```
B361AB.REL  
B361AT.REL  
B361LB.REL  
B361LT.REL  
BCREF.EXE  
BLISS.NTC  
BLISS.REL  
BLSOTS.MAC  
CVT10.EXE  
CVT10.SNO  
DEB36.LNK  
DEB36.REL  
DMPREL.EXE  
ERROR.BNR  
EZIO10.B36  
EZIO10.REL  
LSTCHK.BLI  
MONINT.EXE  
NORMAL.BNR  
REG1AB.MAC  
REG1AT.MAC  
REG1LB.MAC  
REG1LT.MAC  
SEG1.LNK  
SEG2.LNK  
SEG3.LNK  
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SEGCMN.LNK  
SIX12.B36  
TENDEF.L36  
TENDEF.R36  
TUTIO.R36  
UUOSYM.L36
```

## INSTALLATION PROCEDURES FOR TOPS-10

UUOSYM.R36  
XDUMP.REL  
XPORT.L36  
XPORT.REQ  
XPOT10.DBG  
XPOT10.REL

### 3.6 INSTALLATION DIRECTORY

The following is a list of the files that this installation procedure actually installs. The device name given is the default device to which the file is transferred. Those files going to device DSK: are not installed by default.

SYS:B361AB.REL  
SYS:B361AT.REL  
SYS:B361LB.REL  
SYS:B361LT.REL  
SYS:BCREF.EXE  
HLP:BCREF.HLP  
DOC:BLISS.BWR  
DOC:BLISS.DOC  
HLP:BLISS.HLP  
DSK:BLISS.REL  
SYS:BLISS.EXE  
BLI:BLSOTS.MAC  
SYS:BLSSG2.EXE  
SYS:BLSSG3.EXE  
SYS:BLSSG4.EXE  
SYS:BLSSG5.EXE  
DOC:CVT10.DOC  
SYS:CVT10.EXE  
HLP:CVT10.HLP  
BLI:CVT10.SNO  
SYS:DEB36.EXE  
DSK:DEB36.REL  
SYS:DMPREL.EXE  
HLP:DMPREL.HLP  
BLI:EZIO10.B36  
BLI:EZIO10.REL  
DOC:MONINT.DOC  
SYS:MONINT.EXE  
BLI:REG1AB.MAC  
BLI:REG1AT.MAC  
BLI:REG1LB.MAC  
BLI:REG1LT.MAC  
BLI:SIX12.B36  
HLP:SIX12.HLP  
DOC:SIX12.MEM  
BLI:TENDEF.L36  
BLI:TENDEF.R36  
HLP:TUTIO.HLP  
BLI:TUTIO.R36  
BLI:UUOSYM.L36  
BLI:UUOSYM.R36  
SYS:XDUMP.EXE  
BLI:XDUMP.REL  
BLI:XPORT.DBG  
BLI:XPORT.L36  
BLI:XPORT.REL  
BLI:XPORT.REQ  
BLI:XPOT10.DBG  
BLI:XPOT10.REL

## INSTALLATION PROCEDURES FOR TOPS-10

### 3.7 IMPORTANT FILES

The following are some important files in the installation kit that you should be familiar with. These files may be found in one or both of the two previous sections.

- B36\*.REL -- various versions of the BLISS run-time system
- BCREP.EXE -- the BLISS cross-reference postprocessor
- BCREP.HLP -- a help file for using BCREP.EXE
- BLISS.BWR -- the restriction section from BLISS.DOC
- BLISS.DOC -- a brief description of BLISS-36 V4.1 for users and potential users of BLISS
- BLISS.HLP -- a help file on how to run BLISS
- BLISS.NTC -- a sample login message informing users that BLISS-36 has been installed
- BLISS.EXE -- the BLISS-36 compiler low-segment and high-segment overlay 1
- BLSSG2.EXE -- the BLISS-36 compiler high-segment overlay 2
- BLSSG3.EXE -- the BLISS-36 compiler high-segment overlay 3
- BLSSG4.EXE -- the BLISS-36 compiler high-segment overlay 4
- BLSSG5.EXE -- the BLISS-36 compiler high-segment overlay 5
- DEL36.CTL -- a file that cleans out the installation area
- INS36.CTL -- a file that installs the BLISS-36 system from the installation area
- BLISS.INS -- this document
- XPOT10.DBG -- special TOPS-10 XPORT debug object file for use with the SIX12 debugger
- XPOT10.REL -- standard TOPS-10 XPORT object file

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Did you find this manual understandable, usable, and well organized? Please make suggestions for improvement.

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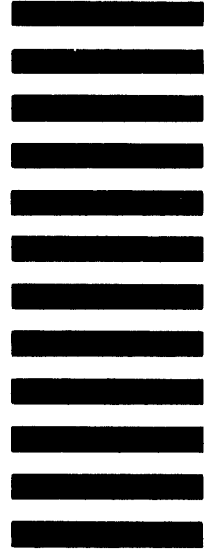
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