Xycom Automation Workstation Recovery Media Software Installation Instructions for Microsoft MS-DOS 6.22

Revision	Description	Date
A	Manual Released	1/01
B	CD-ROM Instructions added	4/04

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Caution

This procedure will reinstall MS-DOS 6.22 on your Xycom computer. Drive C will be re-formatted as part of this process, and any data files on that drive will be destroyed. You are urged to make copies of any data files on drive C.

Overview:

The *XA_DOS Setup CD-ROM*, shipped in the documentation kit that came with your unit, will be used for reinstalling MS-DOS 6.22 on your Xycom Industrial PC. This will only be necessary in a few cases, including:

- the hard drive on your unit has failed
- you are replacing your hard drive as part of your preventive maintenance program

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Note

MS-DOS 6.22 can be reinstalled using the bootable CD-ROM on your Xycom unit, or you can create a set of backup boot floppy disks and use these for reinstalling MS-DOS 6.22.

This procedure will reinstall MS-DOS 6.22 on your Xycom computer. Drive C will be re-formatted as part of this process, and any data files on that drive will be destroyed. You are urged to make copies of any data files on drive C.

The *XA_DOS Setup CD-ROM* is bootable, which will simplify the reinstallation process on computers with bootable CD-ROM drives. Most Xycom computers ordered with CD-ROM drives support this option. If your Xycom Industrial PC was ordered with a CD-ROM drive, determine whether the BIOS supports this feature. If it does, be sure that the boot order shown in the BIOS will cause the system to check the CD-ROM drive for a bootable image before checking the hard drive for a bootable image (e.g., CD-ROM drive, then floppy drive, then hard drive). Once the BIOS is set, follow the instructions under "*How to reinstall MS-DOS 6.22 with the bootable CD-ROM*".

If your system does NOT have a bootable CD-ROM, or if you are not comfortable making modifications to your BIOS settings, you will use the *XA_DOS Setup CD-ROM* to make a backup set of boot floppy disks for reinstalling MS-DOS 6.22. Any desktop, laptop, or industrial PC with a floppy drive, and a CD-ROM drive can be used to create this set of backup diskettes. To create the backup set of boot floppy disks, follow the instructions under "*How to create a backup set of boot floppy disks*". Then follow the instructions in "*How to reinstall MS-DOS 6.22 with the backup set of boot floppy disks*" to complete the process.

How to reinstall MS-DOS 6.22 with the bootable CD-ROM:

You will need:

- your Xycom unit with bootable CD-ROM drive, and
- the *XA_DOS Setup CD-ROM* shipped with your unit

1. Verify that your Xycom unit's BIOS is configured to boot to the CD-ROM drive. If your system's BIOS does not support booting to the CD-ROM drive, follow the instructions in "*How to create a backup set of boot floppy disks*" and "*How to reinstall MS-DOS 6.22 with a backup set of boot floppy disks*".

2. Insert *XA_DOS Setup CD-ROM* into the CD-ROM drive and cycle power on the system.

3. Follow the instructions on the screen:

Welcome to Setup
The setup program prepares MS-DOS 6.22 to run on your computer
To install MS-DOS now, press **I**
To create backup MS-DOS boot floppy disks, press **C**
To exit setup without installing MS-DOS, press **ESC**

4. Press **I** to begin the installation.

5. The following message will appear:

Warning: DOS partition & format about to begin.
All data on non-removable disk drive C: will be lost
To continue, press a period key. To exit, press **ESC**

6. If you are sure that you want to reinstall MS-DOS, press a period key to continue with the installation.

7. When the installation is complete, remove the *XA_DOS Setup CD-ROM* and cycle power on the unit.

8. You will now need to install your drivers. Go to the section "*Device Driver Installation*".

How to create a backup set of boot floppy disks:

You will need:

- a computer with a floppy drive and a CD-ROM drive (bootable drive optional),
- *XA_DOS Setup CD-ROM*, shipped with your unit,
- 4 diskettes labeled:
  "XA_DOS Backup Floppy Disk 1 of 3"
  "XA_DOS Backup Floppy Disk 2 of 3"
  "XA_DOS Backup Floppy Disk 3 of 3"
  "XA_DOS Backup Supplemental Disk 1 of 1"

You can use any computer create the boot floppy disks, even your Xycom unit. After selecting the computer you want to use, follow the appropriate set of instructions below.

How to create a backup set of boot floppy disks on a computer with a bootable CD-ROM drive:

> **Note**
> You can create a backup set of boot floppy disks on any computer with a bootable CD-ROM drive WITHOUT installing MS-DOS 6.22 on that computer.

1. Verify that the BIOS on the computer with the CD-ROM drive is configured to boot to the CD-ROM drive. If your system's BIOS does not support booting to the CD-ROM drive, follow the instructions in the next section *How to create a backup set of boot floppy disks on a computer without a bootable CD-ROM drive*.

2. Insert *XA_DOS Setup CD-ROM* into the CD-ROM drive and cycle power on the system.

3. Follow the instructions on the screen:

> Welcome to Setup
> The setup program prepares MS-DOS 6.22 to run on your computer
> To install MS-DOS now, press **I**
> To create backup MS-DOS boot floppy disks, press **C**
> To exit setup without installing MS-DOS, press **ESC**

4. Press **C** to begin creating the boot floppy disks.

5. Follow the instructions on the screen:

> This program creates the backup setup boot disks for MS-DOS.
> To create these disks, you need to provide 4 blank floppy disks.
> Insert one of these Disks into Drive A:
> This disk will become "XA_DOS Backup Floppy Disk 1 of 3"

6. Insert the blank diskette labeled *XA_DOS Backup Floppy Disk 1 of 3* into the floppy drive and press **ENTER** to begin the process.

7. When that disk is formatted and the appropriate files are copied, the program will prompt you:

   Insert another disk into Drive A:

8. Continue following the instructions on the screen until you have created all four boot floppy disks.

Note

The fourth floppy disk, labeled "*XA_DOS Backup Supplemental Disk 1 of 1*", contains only the optional supplemental software. It is not needed for the reinstallation of MS-DOS 6.22. It will be used only if you want to install the optional supplemental software.

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9. When the backup boot floppy disk program is completed, you will be returned to the menu.

10. Press **ESC** to exit the program.

11. Go to "*How to reinstall MS-DOS 6.22 with a backup set of boot floppy disks*" section to complete the process.

How to create a backup set of boot floppy disks on a computer without a bootable CD-ROM drive:

Note
This procedure can only be used on a computer that is running MS-DOS 6.22.

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1. On the computer with the floppy drive and CD-ROM drive, insert *XA_DOS Setup CD-ROM* into the CD-ROM drive.

2. At the DOS command prompt, switch to the CD-ROM drive.

3. Type **makebt.bat** and press **ENTER.**

4. Follow the instructions on the screen:

   This program creates the backup setup boot disks for MS-DOS.
   To create these disks, you need to provide 4 blank floppy disks.
   Insert one of these Disks into Drive A:
   This disk will become "XA_DOS Setup Floppy Disk 1 of 3"

5. Insert the blank diskette labeled *XA_DOS Backup Floppy Disk 1 of 3* into the floppy drive and press **ENTER** to begin the process.

6. When that disk is formatted and the appropriate files are copied, the program will prompt you:

   Insert another disk into Drive A:

7. Continue following the instructions on the screen until you have created all four backup boot floppy disks.

8. When the boot floppy disk program is completed, you will be returned to the prompt.

9. Go to the "*How to reinstall MS-DOS 6.22 with the backup set of boot floppy disks*" section to complete the process.

How to reinstall MS-DOS 6.22 with the backup set of boot floppy disks:

1. Move to the Xycom Industrial PC on which you want to reinstall MS-DOS 6.22. Verify that your Xycom unit's BIOS is configured to boot first to the floppy drive. This is almost always the case. If it is not, modify the configuration to support booting to the floppy drive.

Note

If you are not comfortable making modifications to the BIOS settings, it is safe to assume that the settings are correct. If you perform step 2 and the installation messages do not appear, call Xycom Tech Support at 734.429.4971 for assistance.

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2. Insert *XA_DOS Backup Floppy Disk 1 of 3*, which you just created, into the floppy drive on your Xycom unit and power on the unit.

3. Follow the MS-DOS 6.22 installation instructions as they appear on the screen.

4. When the installation is complete, remove the third diskette and cycle power on the unit.

5. You will now need to install your drivers. Go to the section "*Device Driver Installation*".

How to install the optional supplemental software:

The Recovery Media includes MS-DOS 6.22 supplementary software. The supplementary software contains Access DOS, keyboard utilities, MS-DOS 5.0 utilities, the MS-DOS shell, updated network files, and a bootable compressed floppy program. To install this software, follow the instructions below.

If you used the bootable CD-ROM for the MS-DOS 6.22 reinstallation, follow these steps

1. Insert the CD-ROM named *XA_DOS Setup CD-ROM* into the CD-ROM drive.

2. At the DOS command prompt, switch to the CD-ROM drive (i.e. D:\)

3. Type **disk4\setup**

4. Follow the instructions on the screen to complete the installation.

If you have already created boot floppy disks for the reinstallation, follow these steps:

1. Insert the fourth floppy disk named *XA_DOS Backup Supplemental Disk 1 of 1* into the floppy drive.

2. At the DOS command prompt, switch to the floppy drive and then type **SETUP**.

3. Follow the instructions on the screen.

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How to install the device drivers:

Device drivers for items such as a mouse, touch screen, keypad, Ethernet, and/or CD-ROM will need to be installed after MS-DOS 6.22 is reinstalled.

NOTE

The correct device drivers are shipped with your Xycom Automation computer on the Documentation and Support Library CD-ROM. The drivers can also be downloaded from Xycom Automation at www.xycom.com.

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