SIEMENS

QUICK REFERENCE GUIDE TO INSTALLING UPDATED SOFTWARE VERSION 9V121-A01L ON THE 80214 PROCESSOR MODULE IN THE MODEL 3000 GCP

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WARNING

DURING MODULE CHANGE OUT, SOFTWARE CHANGE, REBOOT, AND CALIBRATION PROCEDURES, WARNING DEVICES MAY NOT OPERATE AS INTENDED. TAKE ALTERNATE MEANS TO WARN PEDESTRIANS, EMPLOYEES AND VEHICULAR TRAFFIC.

AFTER INSTALLING THE NEW SOFTWARE, RECALIBRATE THE CROSSING AND FOLLOW ALL NORMAL PROCESSES FOLLOWING RECALIBRATION.

NOTE

If the current software version is 9V121-A01H, 9V121-A01J, or 9V121-A02J, updating to the new software will not require the "Set to Default". Updating earlier versions of software will require "Set to Default".

SETUP

The Flash Programmer is a standalone Windows application that does not require an installation before running. It will run directly from a CD. It also can be copied to another location (i.e. USB drive) as long as the files that came with Flash Programmer are copied to the same location.

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By default, Com1 is selected for updating software. The Com port can be changed to a different port by selecting the menu item **Setup** > **Serial Port**. Ports Com1 through Com4 are supported.

1. Insert the Field Update Disc for Model 3000 GCP CD (Siemens CD Z224-9V952-AO1C) into the CD drive of the laptop used to download the new files.

2. If the program does not start automatically, select **START** > **RUN** from the Windows Taskbar at the bottom of the screen.

3. Type (CD Drive Letter, for example D: or E:):\Flash-Programmer.exe in the Open: block or select the **Browse** button and select the CD drive and then select the Flash-Programmer file and click **OK**.

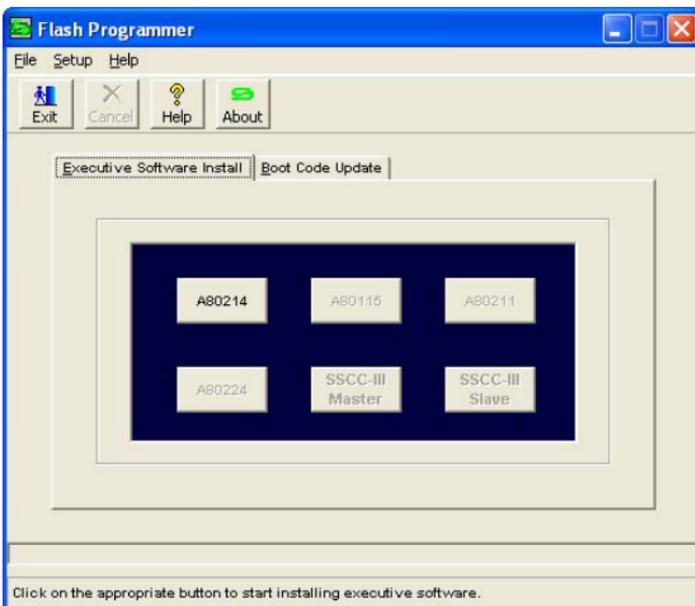4. The Flash Programmer Window Opens (See Figure 1)

Figure 1:
The Flash Programmer Window

NOTE

The Boot Code must be updated if the software version is 9V121-AO0B or earlier. If it is not, proceed to **Installing the Executive Software**.

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UPDATING BOOT SOFTWARE

WARNING

INTERRUPTING GCP POWER WILL ACTIVATE THE CROSSING WARNING SYSTEM.

NOTE

Before proceeding with the update of the boot software, set the Model 3000 GCP power switch to **OFF**.

1. Connect an appropriate cable from the PC/laptop serial port to J2 of A80214 Module.

2. On the Flash Programmer Window, select the **Boot Code Update** button (See Figure 2).
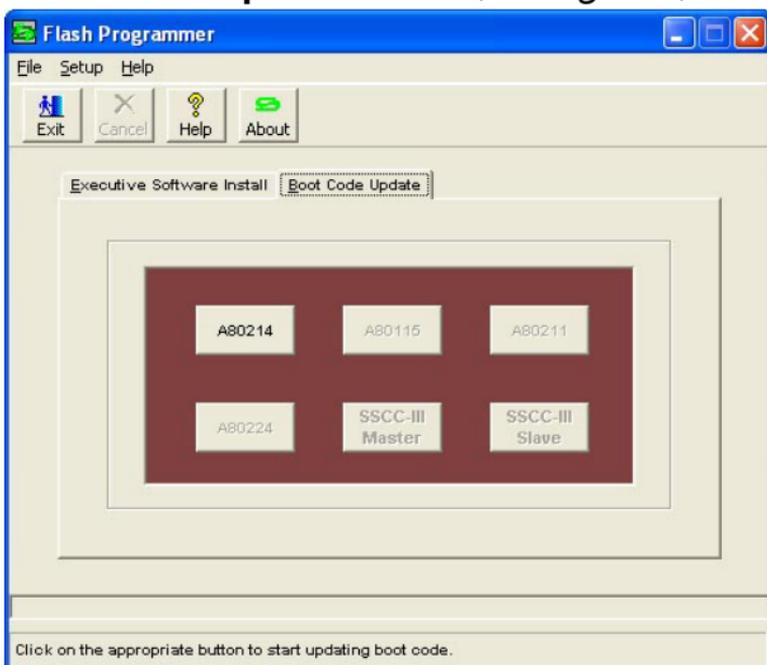

Figure 2:
Boot Code Update Window

3. Select the **A80214** button.

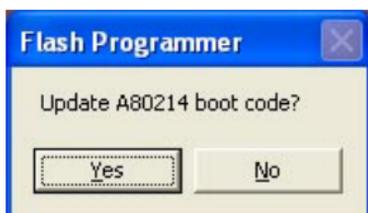**4.** Select **Yes** on the confirm update dialog box (See Figure 3).

Figure 3:
Update Boot Code Confirmation Window

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5. Press and hold the **SETUP** key on the Model 3000 GCP system keypad [Keyboard/Display A80019] (See Figure 4) while setting the Model 3000 GCP power switch to **ON**.
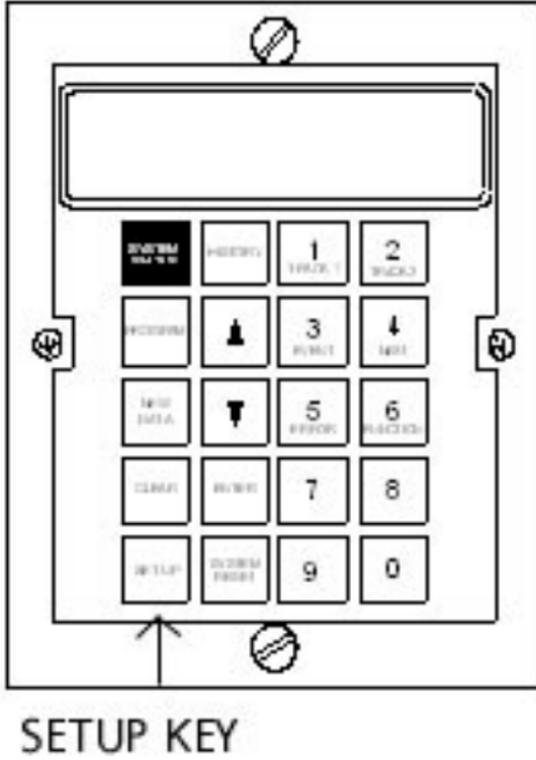

SETUP KEY

Figure 4:
Display Panel, A80019 Setup Key

6. When the status bar on the bottom of the interface indicates that it has started to send a file, release the **SETUP** key (see Figure 5).
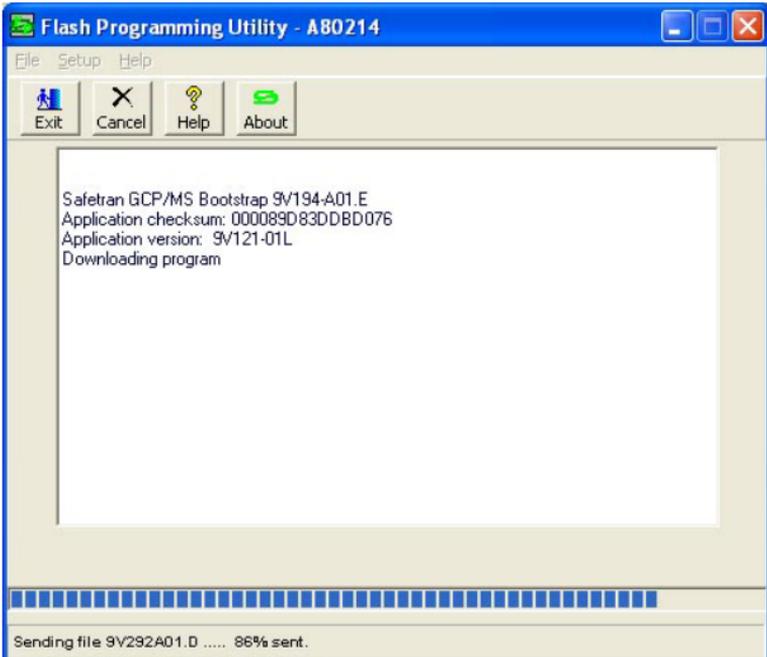

Figure 5:
The Download Status Window

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7. The update is complete when an update success dialog appears (See Figure 6).
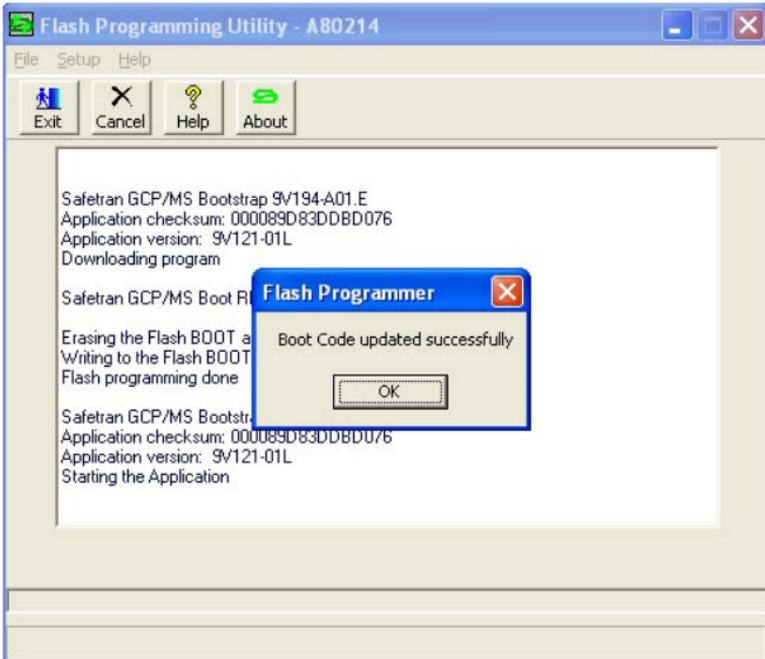

Figure 6:
The Upload Complete Window

NOTE

During the boot program update, respond appropriately to all questions when prompted. If the installation is canceled or aborted, software on the target module will not be updated. The Programmer can be run again to update the boot code if necessary.
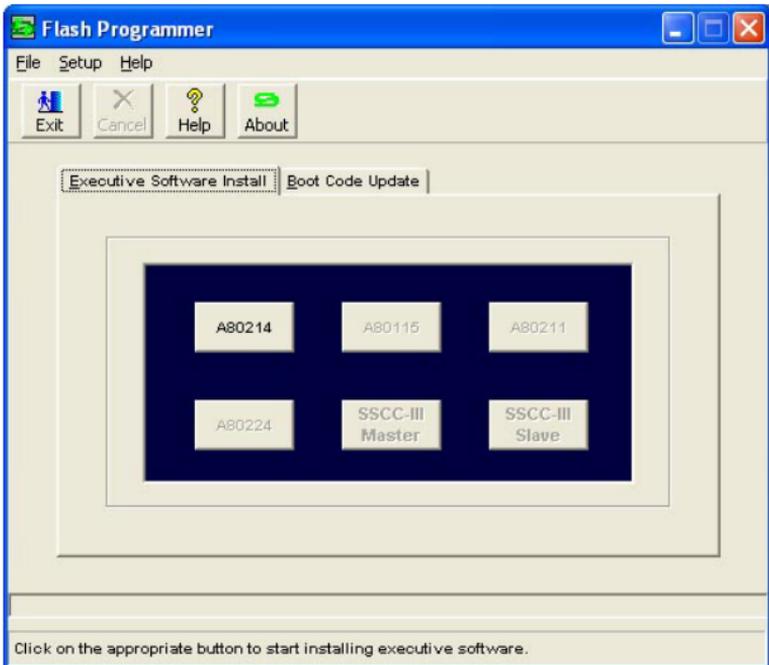
INSTALLING THE EXECUTIVE SOFTWARE

WARNING

INTERRUPTING GCP POWER WILL ACTIVATE THE CROSSING WARNING SYSTEM.

NOTE

Before proceeding with the installation of the executive software, set the Model 3000 GCP power switch to **OFF**.

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1. To install the executive software into module A80214, connect an appropriate cable from the PC/laptop serial port to J2 of A80214 Module.

2. Select the **Executive Software Install** tab if it is not already active then select the **A80214**

button. (See Figure 7).

Figure 7:
Default Flash Programmer Window

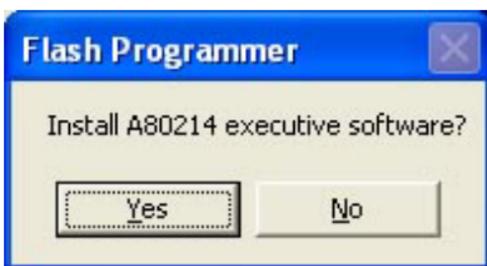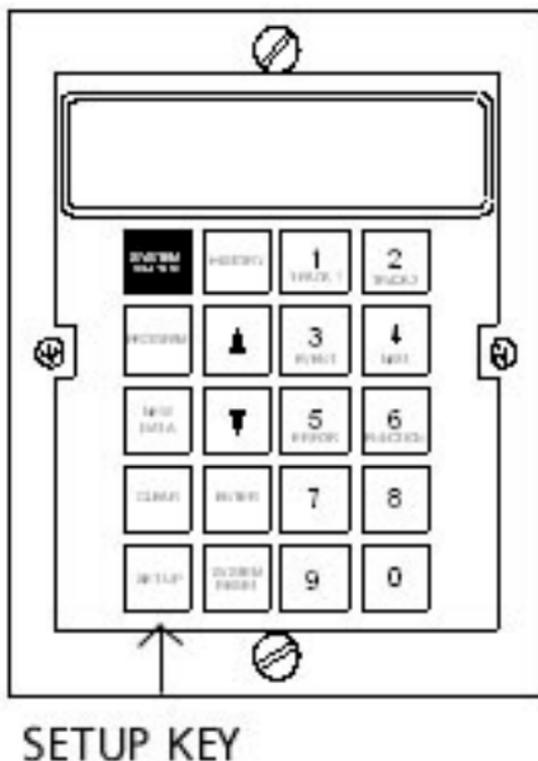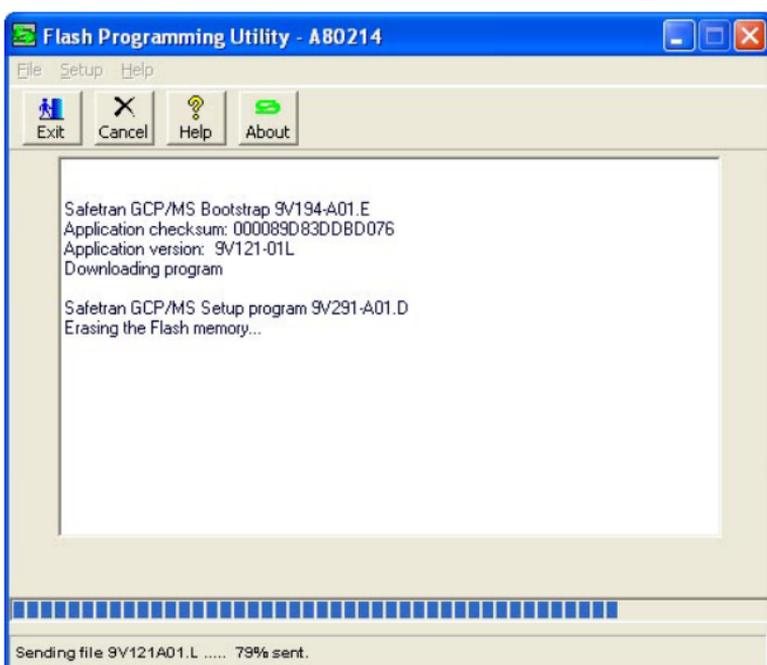**3.** Select **Yes** on the confirm install dialog box (See Figure 8).

Figure 8:
Install Software Confirmation Window

4. Press and hold the **SETUP** key on the Model 3000 GCP system keypad [Keyboard/Display A80019] (See Figure 9) while setting the Model 3000 GCP power switch to **ON**.

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Figure 9:
Display Panel, A80019 Setup Key

5. When the status bar on the bottom of the interface indicates that it has started to send a file, release the **SETUP** key (See Figure 10).

Figure 10:
The Download Progress Window

6. Installation is complete when an install success dialog appears. The dialog box requests inspection to verify that the proper Executive (Application) Version with the proper Checksum/CRC has been successfully downloaded (See Figure 11).
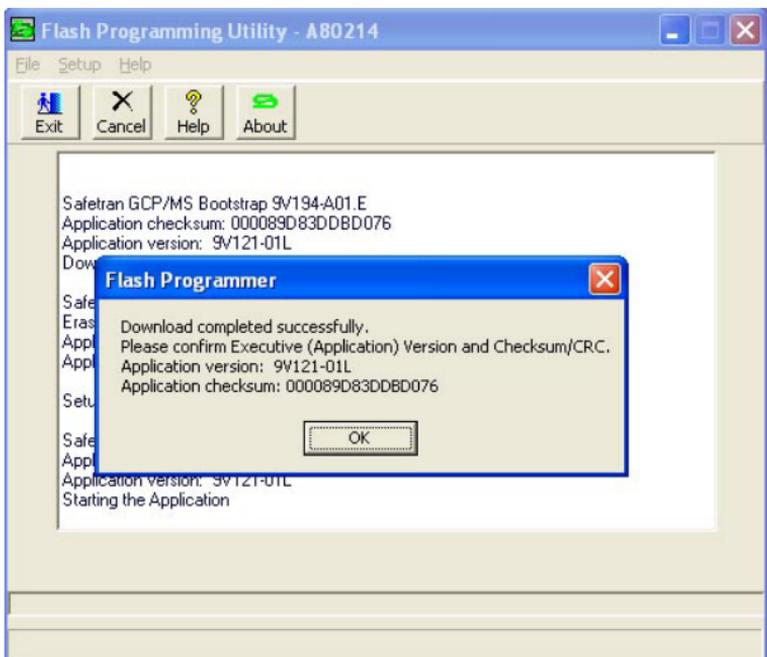
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Figure 11:
The Install Success Window

NOTE

During the installation, respond appropriately to all questions when prompted. If the installation is canceled or aborted, the target module may no longer operate and the executive software must be reinstalled before being used.

WARNING

AFTER DOWNLOADING THE SOFTWARE, RECALIBRATE THE TRACKS. TESTS MUST BE PERFORMED TO VERIFY PROPER OPERATION OF THE GCP SYSTEM PRIOR TO PLACING THE SYSTEM IN SERVICE.

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