

## QUICK REFERENCE GUIDE DT INSTALLATION PROCEDURE B FOR GCP 4000 DISPLAY II MODULE A80407-03 USING A USB DEVICE

Document Number SIG-QG-09-03  
Version B.1

The following procedure should be used when upgrading the Diagnostic Utility (DT) in a GCP 4000 Display II Module, P/N 8000-80407-0003. Note that this Display II Module contains a USB port to be used for the DT software upgrade.

### NOTE

Early versions of the A80407-03 Display Module also contain a USB port. However, if the Display Module is not labeled **DISPLAY II**, then you must use DT Installation Procedure A (document No. SIG-QG-09-02) to install the DT software.

### INSTALLING THE DT IN GCP 4000 DISPLAY II MODULE A80407-03

To perform this procedure you will need the following USB memory device: SanDisk Cruzer, 1GB, Siemens part number Z224-9V243-A010, pre-loaded with the DT software version that is compatible with the currently installed MCF.

### NOTE

Upgrading the DT Utility in the Display Module will NOT interfere with the safe operation of the highway crossing warning system

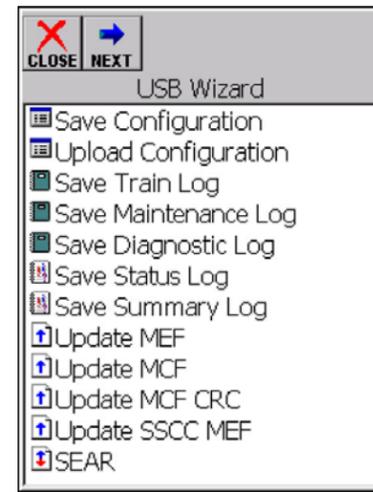
1. Identify the A80407-03 Display II Module by locating the part number in the upper right corner of the Display Module front faceplate as shown below. Verify that the unit is labeled **DISPLAY II**.



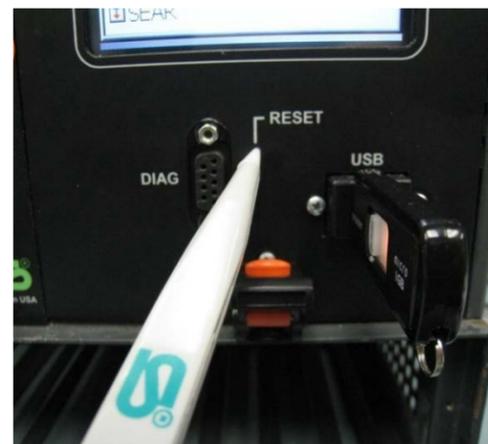
2. Insert the Siemens USB Drive, P/N Z224-9V243-A010 in the Display II Module USB port as shown below.



3. Within a few seconds after inserting the USB Drive the USB Wizard main menu will appear on the display (figure #1). Press the **Reset Button** (figure #2) located to the left of the USB port on the Display II Module front panel.



#1



#2

### NOTE

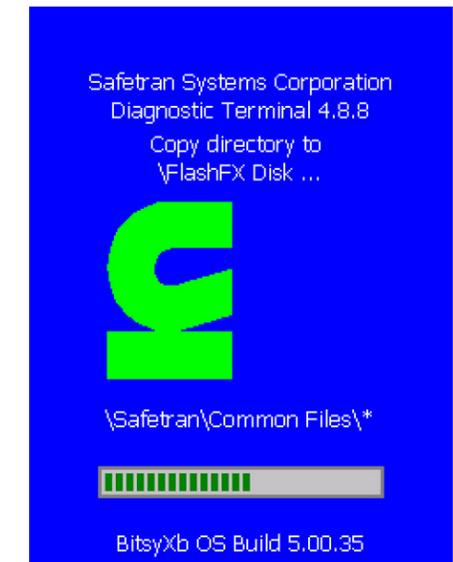
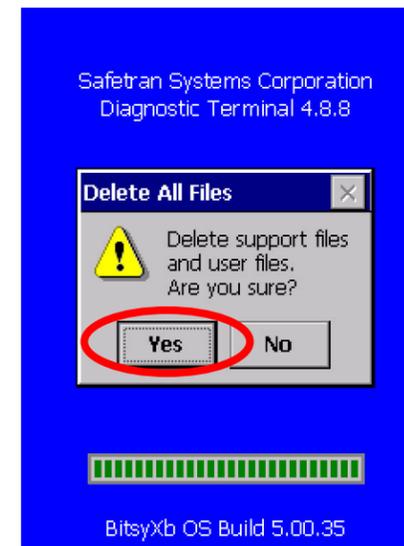
In the following figures the DT version number and the OS Build number at the bottom of the screen will vary depending on the DT and OS software versions installed.

4. After the Display Module resets, the following screen will indicate the start of the "DT installation Phase 2" process. Ensure that both option boxes are selected as shown in figure #3 below and then Select **Next >**.



#3

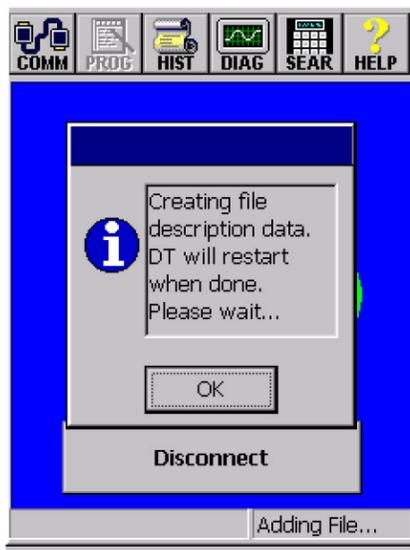
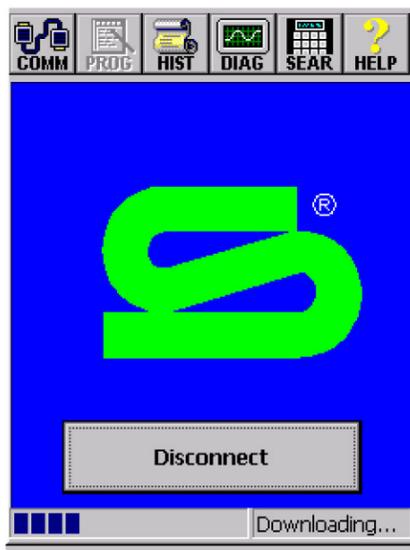
5. Within a few seconds a prompt will appear asking if you want to "Delete support files and user files. Are you sure?". Select **Yes** to begin the process.



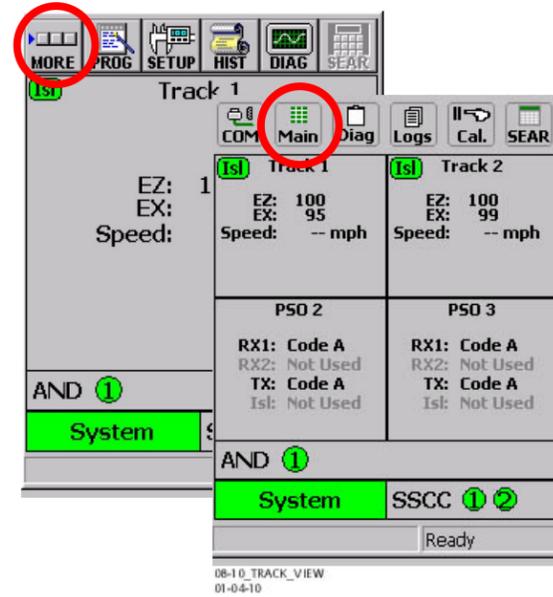
6. At the conclusion of this process the following screen will indicate the completion of the installation. Remove the USB device and press the **Reset Button** on the front of the Display II Module.



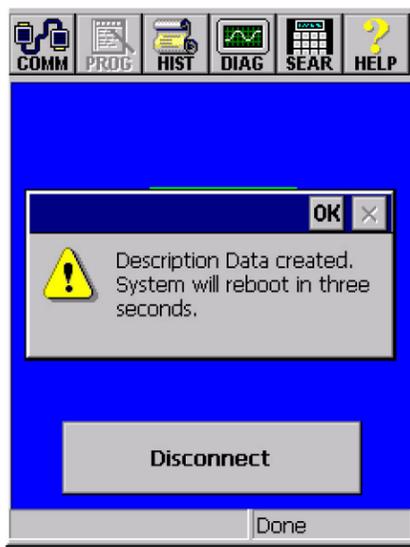
7. The Display Module will start downloading the files from its memory and at the end of this process the message "Creating file description data, DT will restart when done please wait..." will appear. **DO NOTHING**; the process will automatically complete by itself.



- Upon completion of the boot cycle the display will indicate the conditions of the crossing and the Display II Module will resume normal operation.



- After it finishes writing the files, the Display II Module will momentarily display a message indicating "Description Data created. ..." and then the system will reboot.



- This concludes the DT software installation and upgrade. **NO ADDITIONAL TESTING IS REQUIRED.** For verification of the DT installation, select **MORE (MAIN** in DT 5.0.7 and later) on the Track status screen and then select **HELP (ABOUT** in DT 5.0.7 and later) on the subsequent screen to view the DT version. Verify that the display indicates the proper DT version (e.g., 5.0.7).

\*Refer to *GCP 4000 Crossing System Maintainer's Handbook*, Document Number: SIG-00-04-02 Version B, dated March 2007 or to *4000 GCP Crossing System Field Manual*, Document Number SIG-00-08-10 Version B or later, for additional information regarding installation of DT software in a GCP 4000 Display Module.