

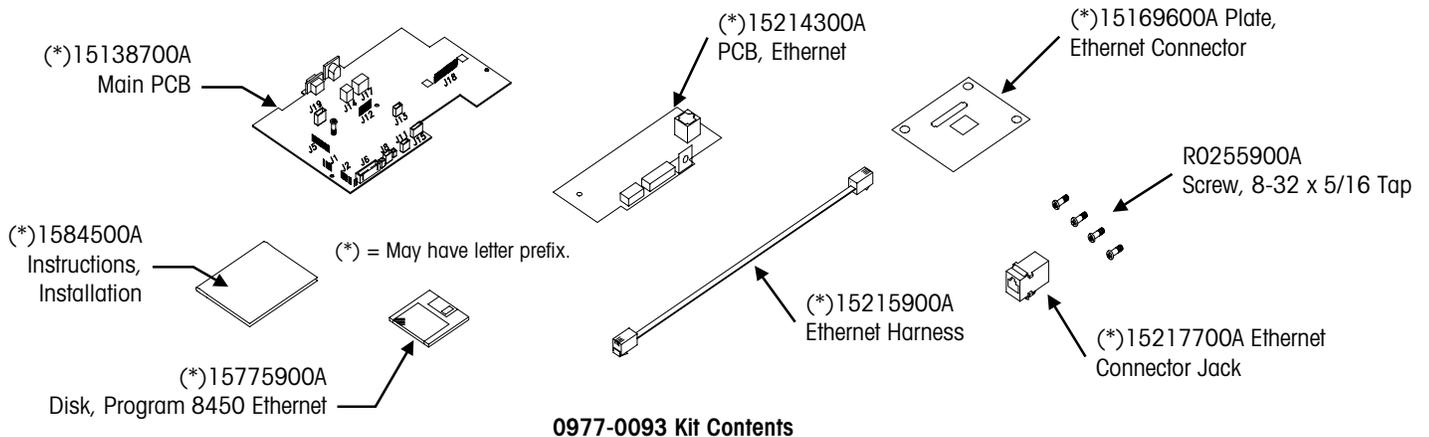
Model: 8450

Kit Number: 0977-0093

Description: Main PCB and Ethernet Upgrade Kit

Kit Description

This kit will upgrade the Model 8450 to the newer Ethernet capable Main PCB (*)15138700A and add Ethernet capability. This kit is required before installing the Ethernet Upgrade Kit if the Model 8450 Main PCB is the older (*)14475900A PCB. This kit will convert the Model 8450 or Dead Deck versions with no remote scale interface requirements, to connect to an Ethernet Network using 10 Base-T wiring in a star or tree topology. The kit contents are shown below.



Installation

Disconnect the AC power cord from the outlet before proceeding.

Remove the printer cover. Remove the platter and spider (on units with load cell) or the dead deck cover (on dead deck units). Next remove the top cover screws. Slightly lift the top cover and disconnect the keyboard harnesses, then remove the top cover assembly.

Disconnect the load cell, power supply, and printer harnesses from the Main PCB. Remove the three mounting screws (Figure 2). Lift the Main PCB up on the side opposite the power supply enough to clear the power supply, then remove the Main PCB. Install the new Main PCB in reverse order.

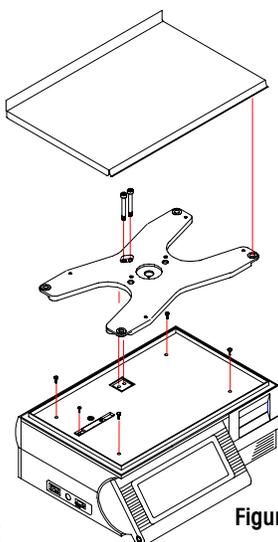
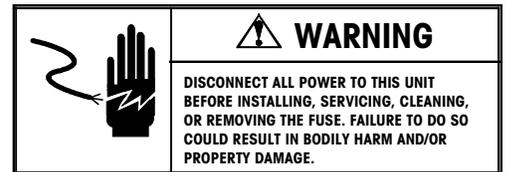


Figure 1: Removing Covers

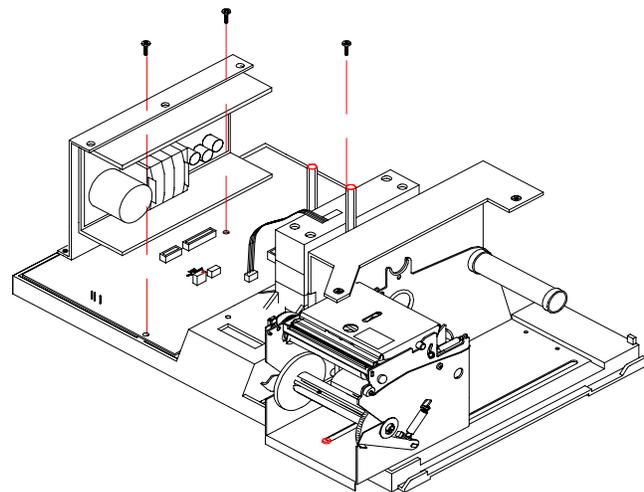


Figure 2: Removing Main PCB Model 8450

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Scales & System
1900 Polaris Parkway
Columbus, Ohio 43240

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After the Main PCB has been installed, install the Ethernet parts as follows:

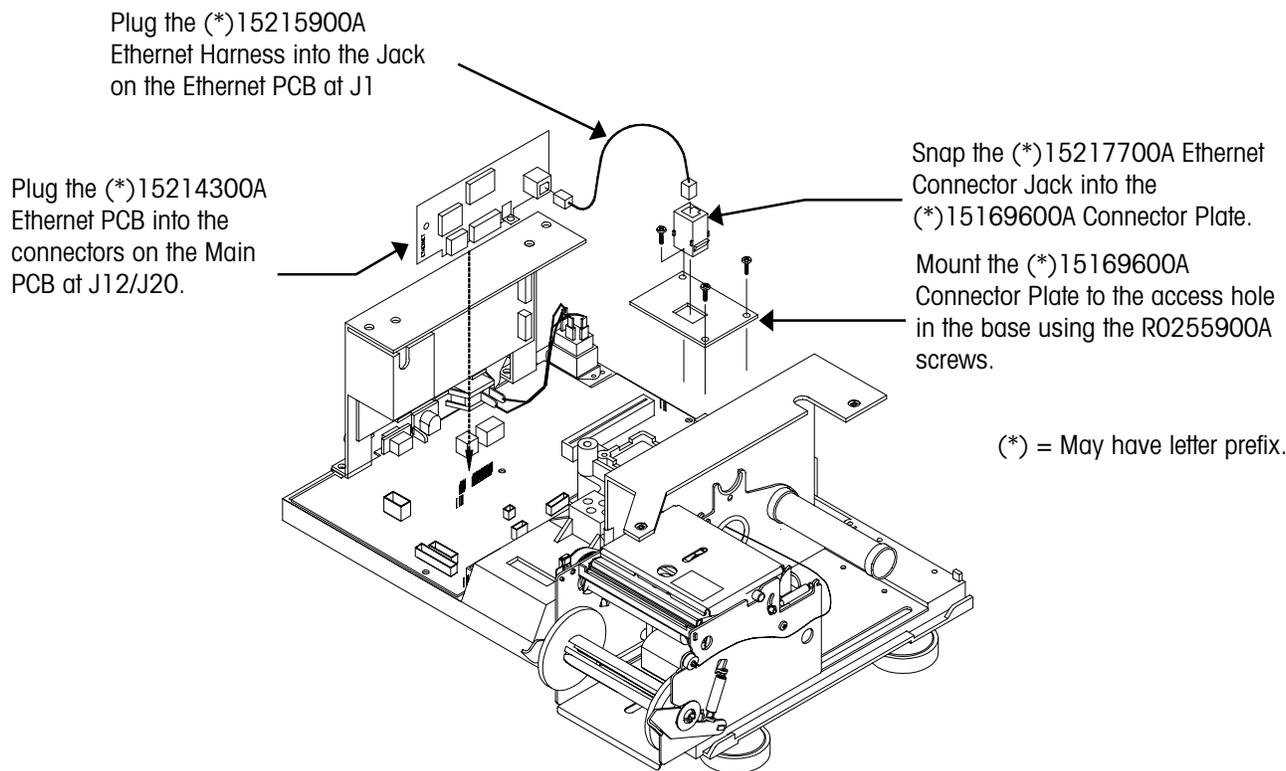


Figure 3: Installing the Ethernet Parts

Reinstall the cover, spider and platter when the kit installation is completed.

The kit is shipped with a program diskette for the Model 8450 Ethernet software. The new software must be flashed into the unit before it can be used on the Ethernet network. Copy the contents of the diskette to a separate sub-directory on your PC's hard disk drive. The program files are compressed and must be uncompressed before they can be downloaded to the scale. The files are self-extracting, requiring you to just type in the file name to uncompress them (example: 12345R). The new files created are the software program files (Example: 12345R.HEX) that are used with FLASHPRO (the downloader program also on the diskette) to download the program into the unit.

Before downloading the software, turn the power switch OFF. Connect the cable (shown in Figure 4) end marked PC to the PC's serial port and the other end to the Model 8450 AUX Port, located on the side of the unit (Figure 4). With power off, press and hold the CAL Switch (see Figure 4), then turn the power switch to ON, then release the switch when the display indicates it is ready for download. Type in the flashpro command line and press ENTER. The FLASHPRO command line is as follows:

FLASHPRO -tfilename.hex

(Replace filename.xxx with the actual file name on the distribution diskette. Example: FLASHPRO -t123456R.hex) If you get a DOS Bad command or file name error, check to make sure you have not mis-typed the file name (ex: FLASHPRO), and the file FLASHPRO.EXE is in your PC's path or current directory.

The PC display should show ACKNOWLEDGEMENT. (If a UART Error is displayed, check that the cable is connected to COM1, and the correct cable is used.) FLASHPRO will display A's during the download process, (Acknowledgment). When the download is complete, FLASHPRO will display the message "File Transfer Successful".

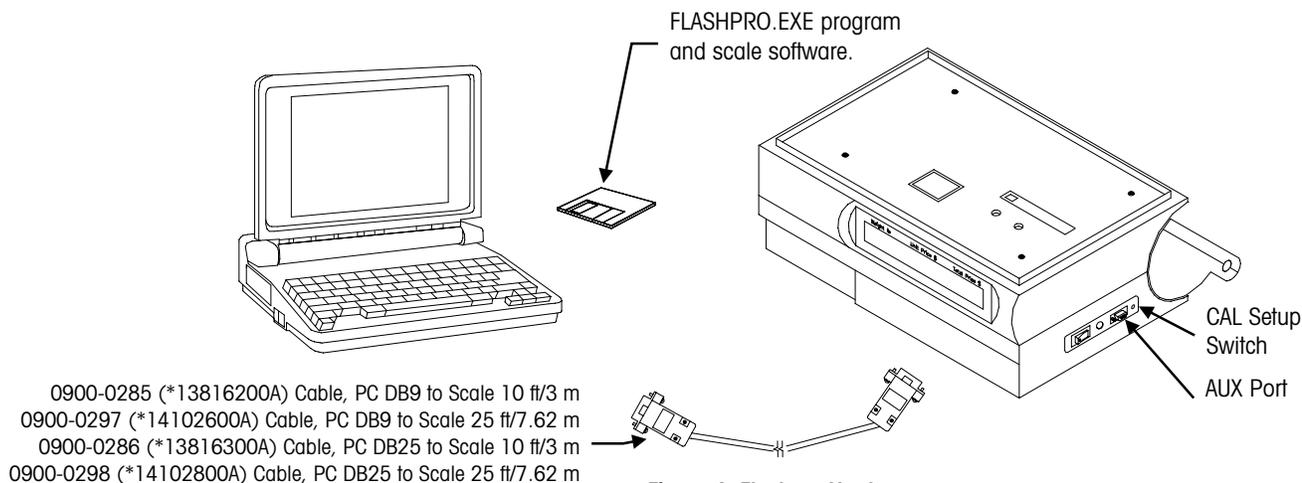


Figure 4: Flashpro Hardware

Configure the Model 8450

To find the Windows NT Server IP address, click START, PROGRAMS, then COMMAND PROMPT at the NT Server. Type IPCONFIG at the DOS prompt to display the IP address of the server. Write this number down. It will be used to enter into the client configuration. Refer to the Service Manual for setup details. The Ethernet configuration is accessed by pressing the SETUP MODE key, then the UNIT ID key. The following must be set up for the Ethernet network.

SCL? - The IP Address identifies the client on the network. The IP Address is a unique number consisting of four parts separated by periods. (Ex: 146.207.40.1)

GW? – Gateway IP address is used if the server is on a different network.

Use the following key sequence to set the client IP address and Gateway address. The example shows setting the IP address to 146.208.104.015.

Press: SETUP
Press: ENTER
Press: UNIT ID
Display: **SCL 255.255.255.255**
Press: ENTER
Display: **SCL? 255.255.255.255** (SCL is this scale's IP.)
Key In: **146 208 104 015** (no spaces or .'s needed)
Press: ENTER
Display: **Port 0**
Press: ENTER
Display: **Port ? 0**
Key In: **2305** (always set to this number)
Press: ENTER
Display: **GW 255.255.255.255** (GW is the Gateway's IP.)
Press: ENTER
Display: **GW? 255.255.255.255**
Key In: **146 208 104 100** (no spaces or .'s needed)
Press: ENTER
Display: **SCL 146.208.104.015** (shows the new number entered)
Press: CLEAR to exit setup mode.

Turn power off and back on to reset the scale with the new data.