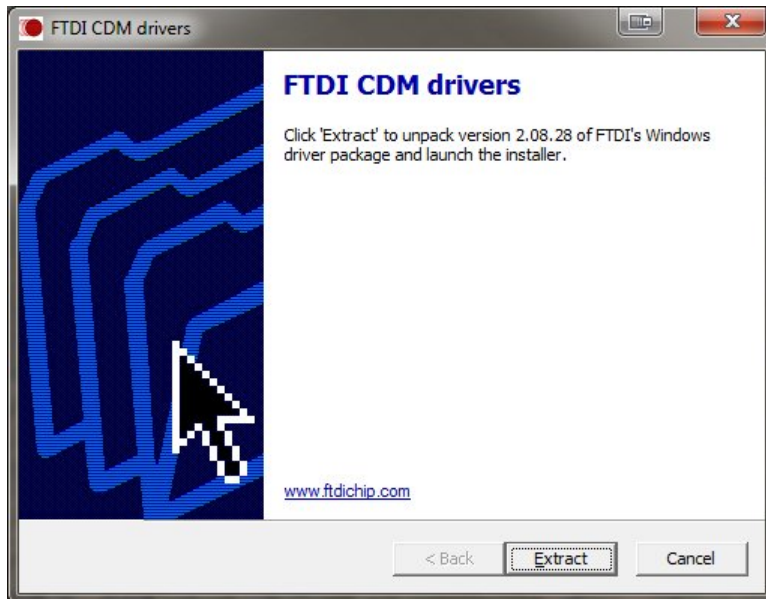


## ETO FMI FIRMWARE UPDATE

### 1 Install USB Serial Port Drivers

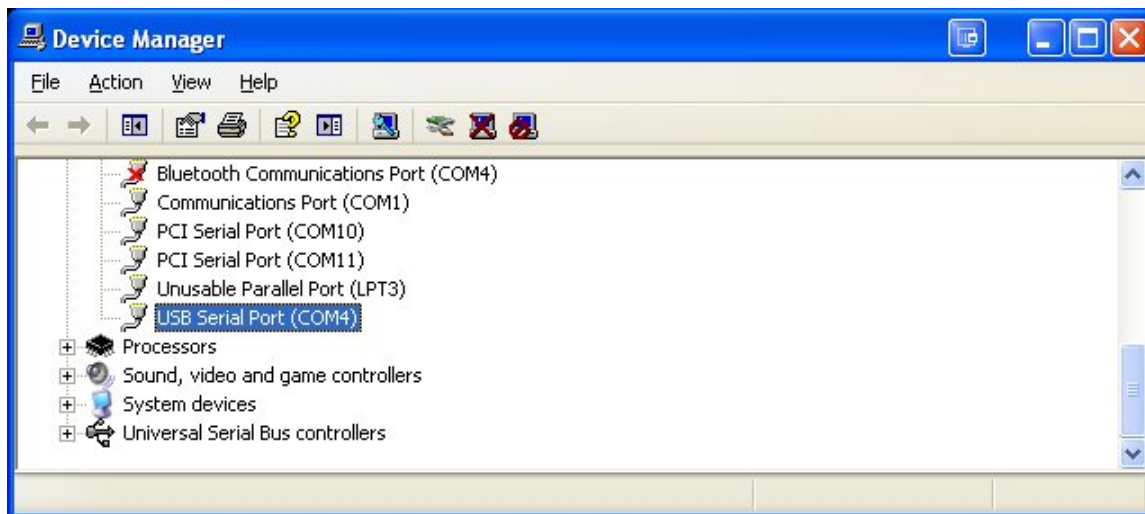
If this is the first time this computer is being used to communicate to the Vapor Electric Transit Controller you may need to install the FTDI USB drivers. Unplug the USB cable and run the following program.

 CDM20828\_Setup.exe



#### 1.1 Configure USB Serial Port

Connect the USB cable between the computer and the Vapor control. Open windows Device Manager determine the COM port assigned to the USB serial port. In this case the USB serial port is configured as COM4.



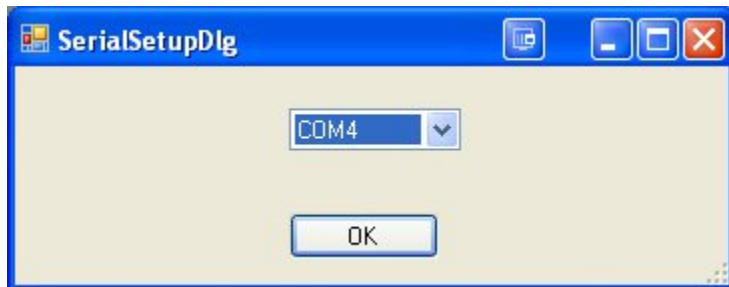
## ETO FMI FIRMWARE UPDATE

### 2 Firmware Update

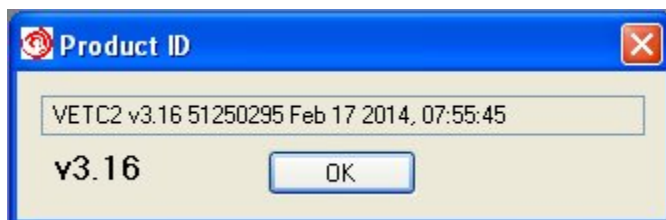
Run the following batch file “FMI\_UPDATE” from the “FMI Firmware update “folder.

| Name                            | Size   | Type                   | Date Modified      |
|---------------------------------|--------|------------------------|--------------------|
| 51220549 VETC2 Configuration    | 1 KB   | Shortcut               | 9/24/2014 8:10 AM  |
| BluetoothWrapper.dll            | 26 KB  | Application Extension  | 10/16/2013 8:16 PM |
| ETO Production Data             | 1 KB   | Shortcut               | 11/5/2014 3:36 PM  |
| <b>FMI Firmware Update.bat</b>  | 1 KB   | MS-DOS Batch File      | 4/27/2015 3:25 PM  |
| VETC2_v317_Diag_Tool.exe        | 791 KB | Application            | 4/27/2015 3:23 PM  |
| VETC2_v317_Diag_Tool.exe.config | 21 KB  | XML Configuration File | 3/26/2015 9:51 AM  |
| VETC2_V320F_2015-03-27.bin      | 116 KB | BIN File               | 3/27/2015 8:26 AM  |

Select the COM port if needed.



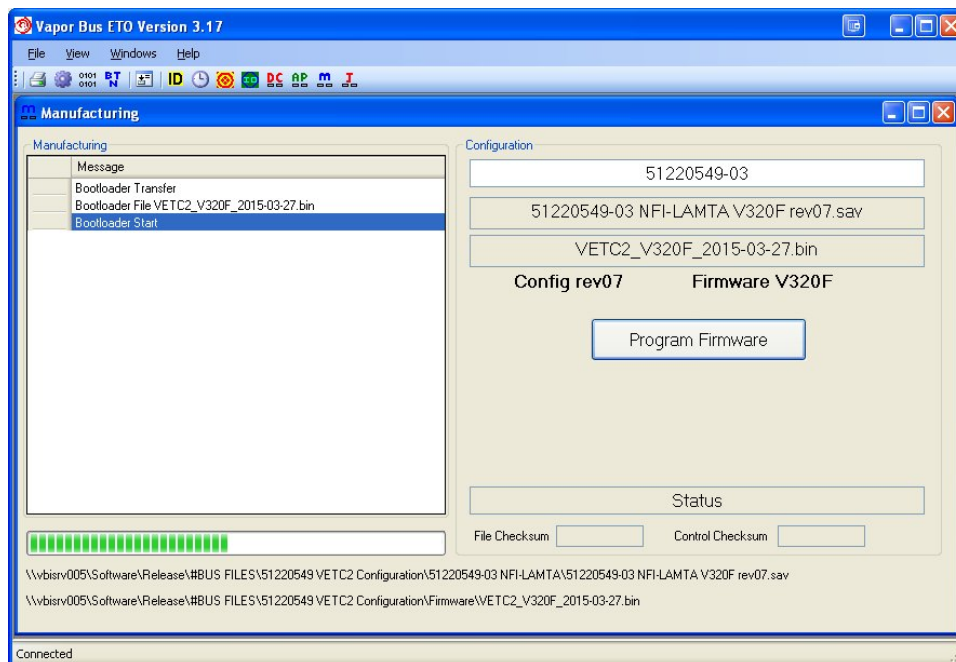
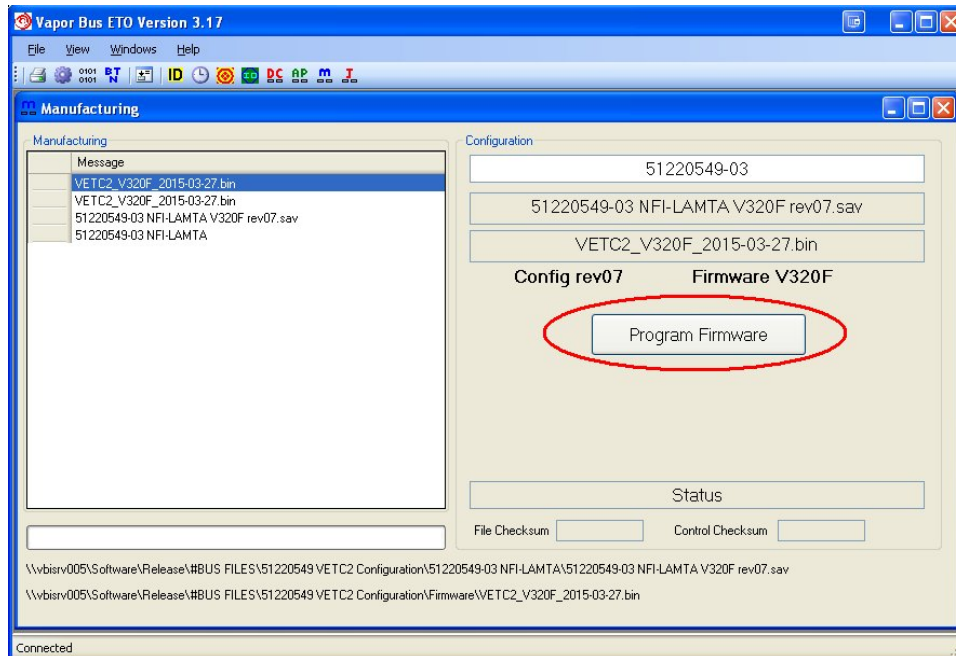
Press the “OK” button on the Product ID window.



## ETO FMI FIRMWARE UPDATE

### 3 Program Firmware

Press the “Program Firmware” to start the firmware update. When the firmware programming is complete, the programming of the configuration file will begin.



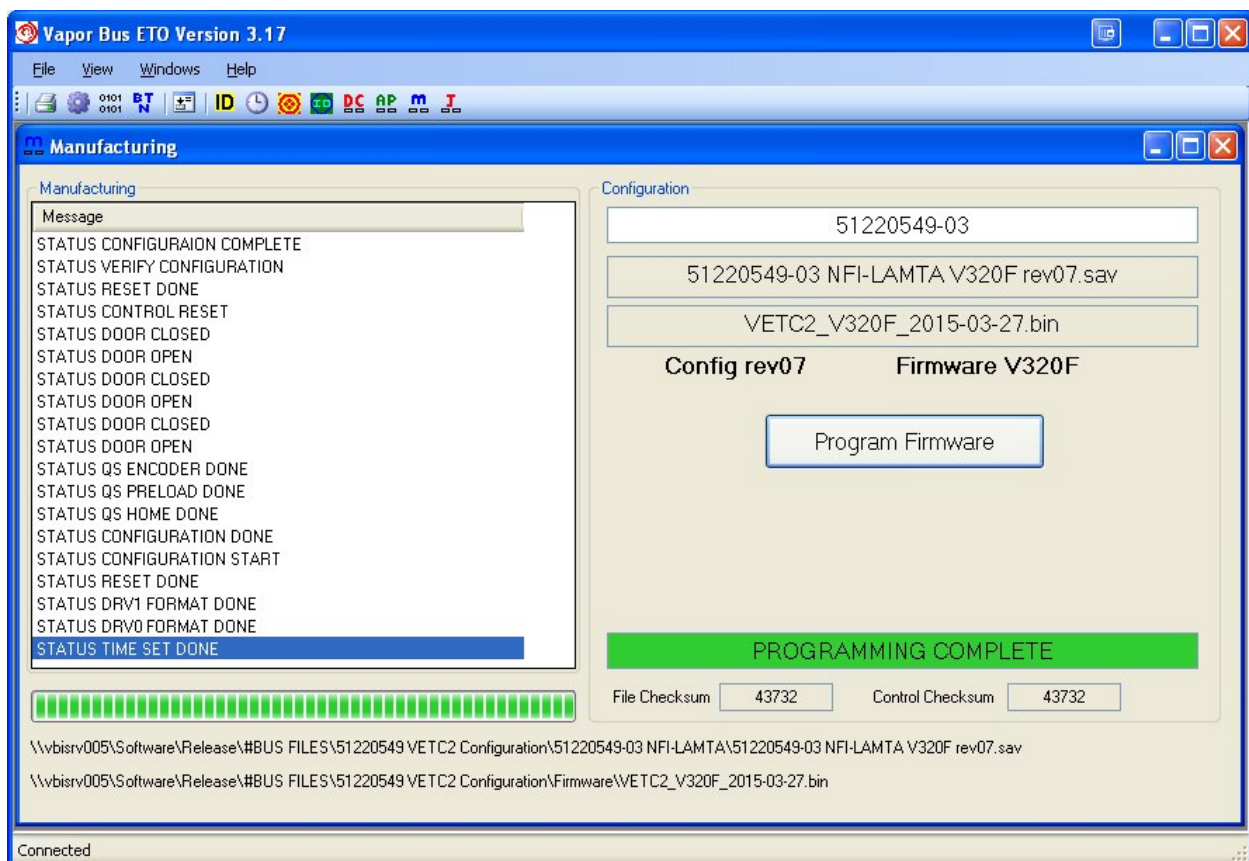
## ETO FMI FIRMWARE UPDATE

### 4 Program Configuration file

Once the firmware is done, the configuration file will be programmed. The following steps are automatically performed.

- Time set
- Format file system
- Load configuration file
- QS home
- QS preload
- QS encoder calibrate
- Door open and closed 3 time
- Configuration file validation

The programming has completed, unplug USB cable.



## ETO FMI FIRMWARE UPDATE

### 5 Firmware Label

Place the firmware version label above the Vapor part number label.

Label part number 97521976-31 (V3.20F)

