MCE Boot Upgrade Procedure v1.06 -> v1.07

(Switching Diagnostic Serial Port to J38)

To perform this MCE Boot code upgrade, you will need the following files:

- MCEBoot.Bin MCE Boot Code v1.07
- MCERec.Bin MCE Recovery Code v1.00 or newer.
- Bload.Exe Binary Download Utility v1.11 or newer
- Term.Exe Term Utility v1.02 or newer, OR any Terminal emulation program, such as ProComm

To also upgrade the MCE Post Code you will need the following file:

- MCEPOST.BIN MCE Post Code v1.03 or newer

To also upgrade the MCE Main Code (for TS400) you will need the following file:

- 2630FMW.BIN MCE Main Firmware v1.18 or newer

1. From the terminal program running on the existing diagnostic serial port (J40 on MCE board) issue the following monitor command: ***reset bbr***. Visually check that the MCE board's SERVICE and HEARTBEAT LEDs are now flashing alternately.
2. Exit back to the DOS command line prompt. (^C on Term.exe). Issue the following command: ***Bload f=mcerec.bin l=rec p=nn b=57600***, where ***nn*** is the serial port number, 1 for com1, 2 for com2, etc. This command should execute quite quickly without errors.
3. Issue the following command: ***Bload f=mceboot.bin l=boot p=nn b=57600***, where ***nn*** is the desire com port number. (1,2, etc). The MCE boot code should download without errors.
4. Remove the serial diagnostic cable from the MCE board's J40 connector, and re-install it onto the MCE board's J38 connector. (Labeled "SPR_COMM")
5. Execute the Term.Exe terminal program (or ProComm) and set the baud rate to 57600.
6. Reset the MCE board. Use the reset button, or power cycle the board. On the terminal program keep pressing the Escape key until the v1.07 MCE boot code prints it's sign-on message.
7. You can now download new MCE Post Code. Issue the following command: ***Bload f=mcepost.bin l=post p=nn b=57600***.
8. You can now download MCE main firmware. Issue the following command: ***Bload f=2630fmw.bin l=main p=nn b=57600***.