



Before installing either chip on the board apply power and check the voltages at Q5. You should see 12 volts at the emitter and zero at the collector. If these are not correct, do not install any chips or try to use the programmer. Troubleshoot the circuitry and components around Q1 and Q5.

When using the programmer with a cable, use a high-quality shielded 25 pin male-to-male cable. Do not use serial cables! Cheap serial cables often do not contain all the wires and usually invert pins 2 and 3. These cables will not work. I have successfully programmed and read using this programmer through a 12-foot cable.

Plug the programmer into the computer or cable before applying power to the board. It's OK if the SX chip is already in place. Apply power to the

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JPB-2 Implementation of the Steele SX Programmer		
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