

WARNING: To prevent personal injury, do not perform any disassembly procedures before reading chapter 6.

When the ScopeMeter is disassembled, it is not possible to apply the +12V programming voltage in the normal way. It is possible to apply the +12V programming voltage by means of two test clips (see figure 5.2).

Remove all voltage sources from the ScopeMeter. Turn the digital A1 PCB, mounted in the top cover so that the display and the keyboard are facing down. Connect the +12V programming voltage to the appropriate places on the PCB. It can be helpful to first install two metal screws again. See figure 5.2. Be sure not to short circuit with the metal shielding, mounted on the analog A1 PCB. Turn the top cover and the mounted PCB. Connect the ScopeMeter to the power supply and switch the instrument on. Go to the SERVICE menu and press the CALIBRATE ScopeMeter softkey. You can make the adjustments necessary with six trim capacitors (three for the attenuator of each channel) and two adjustment potentiometers (for the Analog ASIC).

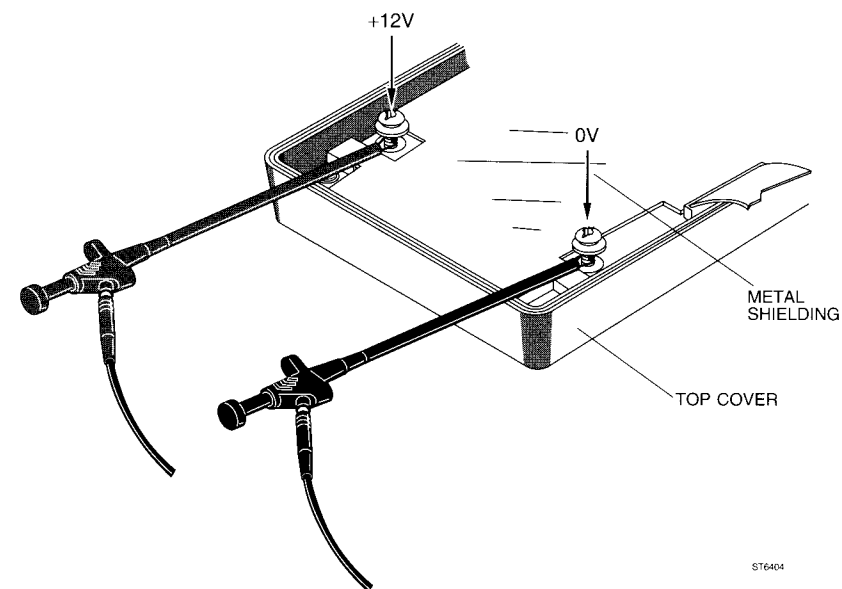


Figure 5.2 Connecting the +12V programming voltage for Hardware SCOPE Calibration Adjustments

NOTE: You only have to do Hardware SCOPE Calibration Adjustments, if you have repaired the ScopeMeter in the Attenuator sections or in the Analog ASIC circuitry. After you have done a Hardware SCOPE Calibration Adjustment or you have adjusted one of the potentiometers, you always need to do a full (software) SCOPE and METER calibration. If you decide not to do the Hardware Calibration Adjustment now, you can advance to calibration S5 by pressing the upper select/adjust key 4 times.