

## HICKOK AC LINE METER CALIBRATOR

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This is a passive device that can correct line meter errors of plus or minus 5 volts making it possible to save the old meter. New ones are difficult to find and expensive if you do. You can keep your tester looking original with this modification.

The 539C's Meters all seem to have a zero adjust. It's a split for the 539B's and of course minor errors can be compensated for with the zero adjustment. The Calibrator will work for all of them and eliminate the need to offset the zero adjustment to correct an error at 100 VAC.

The Calibrator PC Board can be mounted on an aluminum bracket that attaches to the existing machine screw that secure the Function Switch Assembly. Alternative mounting for the 539B is to drill two holes in the existing phenolic board mounted over the AC Line Meter. Use two 6-32 screws to attach the Calibrator board. This would not work on the 539C's, since they have an additional pot in that position.

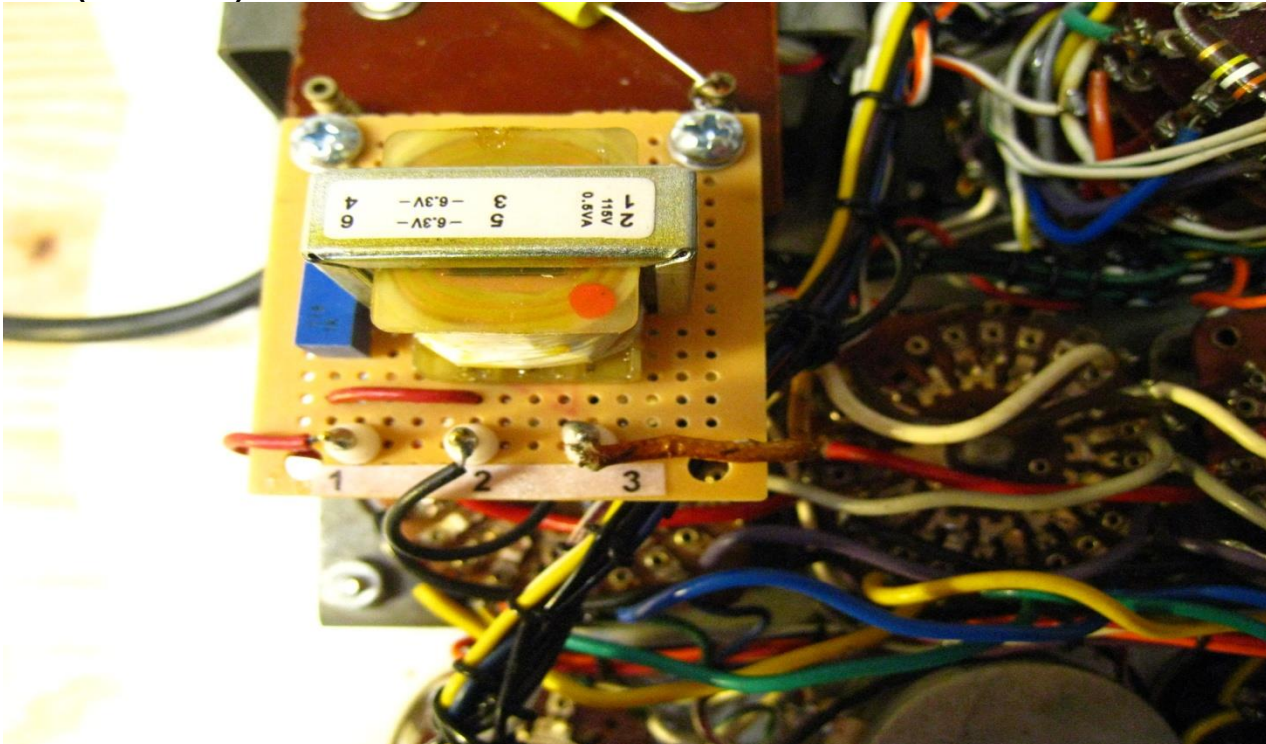
**PIN 1** TO METER TERMINAL WHERE THE FACTORY LEAD WAS CONNECTED.

**PIN 2** TO THE AC SWITCH ON THE SWITCHED SIDE.

**PIN 3** ORIGINAL WIRE REMOVED FROM OUTER TERMINAL OF THE AC METER.

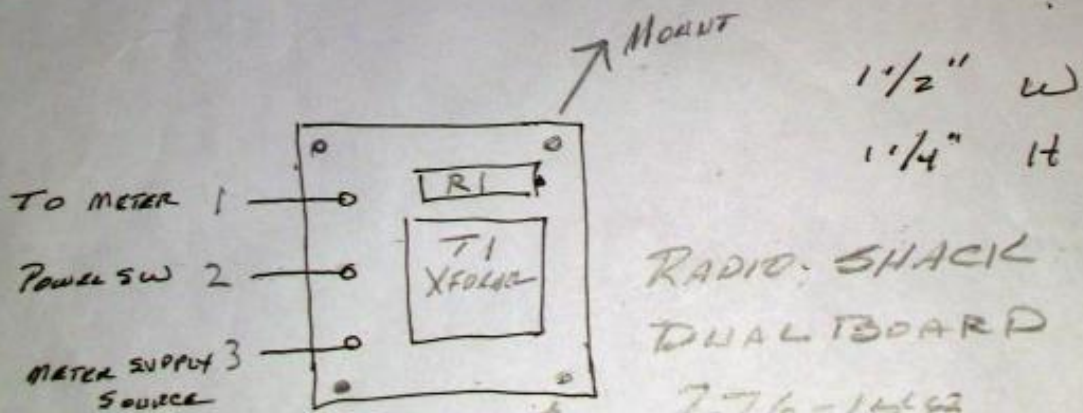
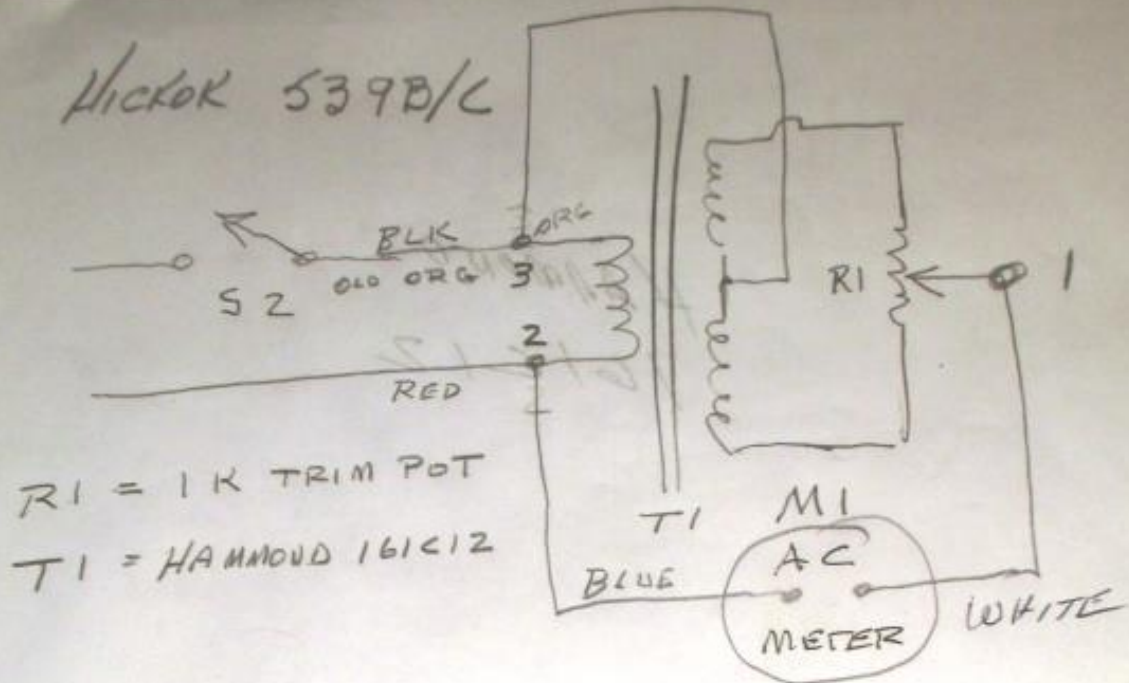
USING A DIGITAL MULTIMETER 200 VAC SCALE CONNECTED TO **PINS 2 & 3** OF THE CALIBRATION PC BOARD SET THE **POWER ADJUST** FOR EXACTLY **100 VAC ON THE DIGITAL METER**.

NEXT ADJUST THE **TRIM POT** ON THE CALIBRATION BOARD TO GIVE A READING OF **100 VAC (RED LINE) ON THE AC PANEL METER**.



HICKOK AC METER  
CALIBRATOR

HICKOK 539B/C



RADIO SHACK  
DUAL BOARD  
276-1483

LARGE HALF

USE 2 #6 STANDOFFS TO MOUNT