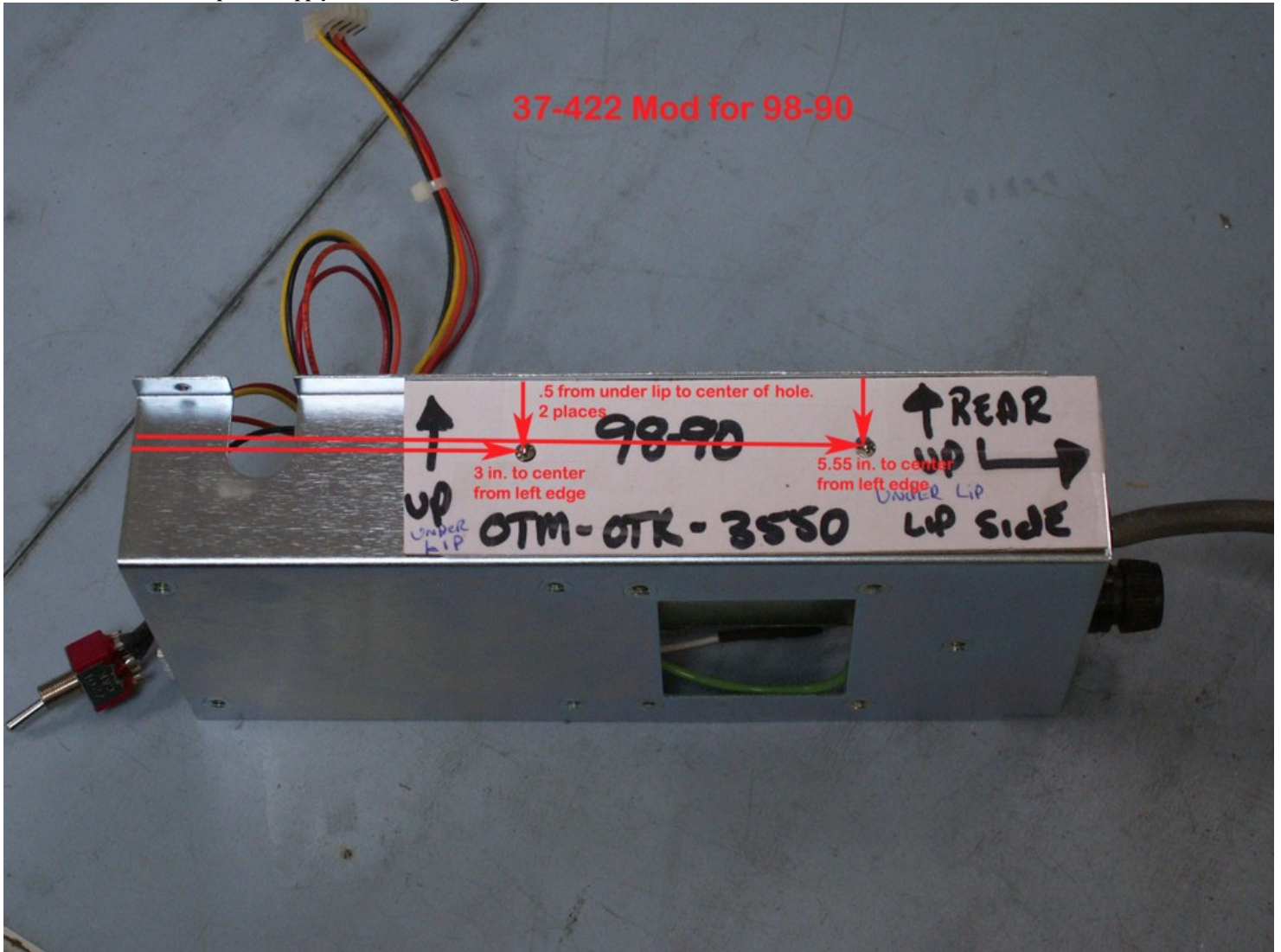


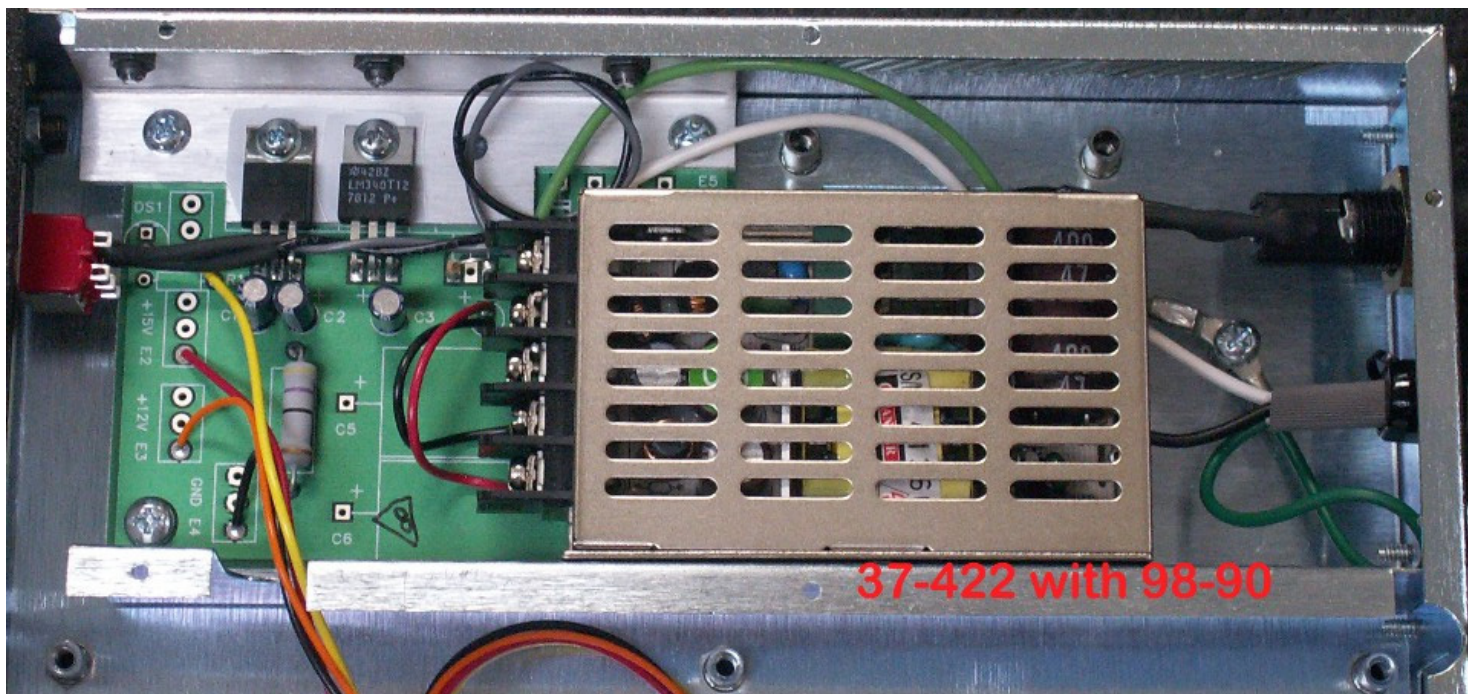
Updating Olson Technology headend units with 098-000090 power supply · · PAGE 1.

July 12, 2011: The present power supply used in Olson OTM modulators and OTR processors is the 098-000090 power supply, also known as 98-90 inside the Olson facility. The photos below show how the new power supply is installed in the existing power supply assembly.

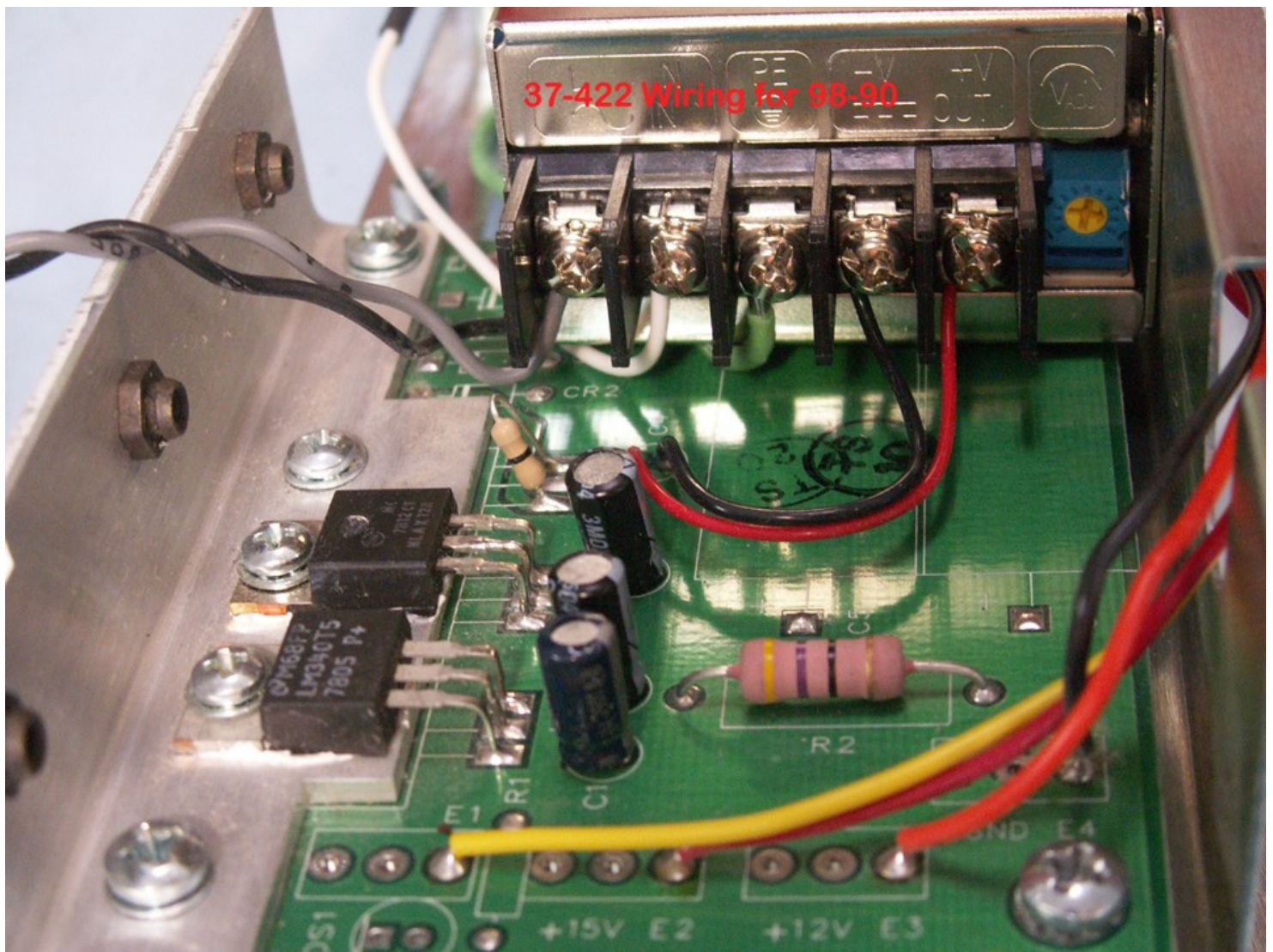
The older 98-60 power supply is mounted in the metal bracket, part number 10-94 as seen below. The new 98-90 power supply needs two NEW screw holes drilled in the metal bracket. The two mounting screws are provided with the new power supply module. Please take notice of the power cord and fuse socket at the right side of the photo and power switch seen on the left side of the photo. The white label in the photo indicates the orientation of the sub-assembly inside the main chassis. Both holes that need to be drilled in this bracket are one-half inch below the lip (0.5 inch). The first hole is 3 inches from the "front" of the sub-assembly. The second hole is 5.55 inches from the front. You will need to remove the old 98-60 power supply before drilling these new holes.



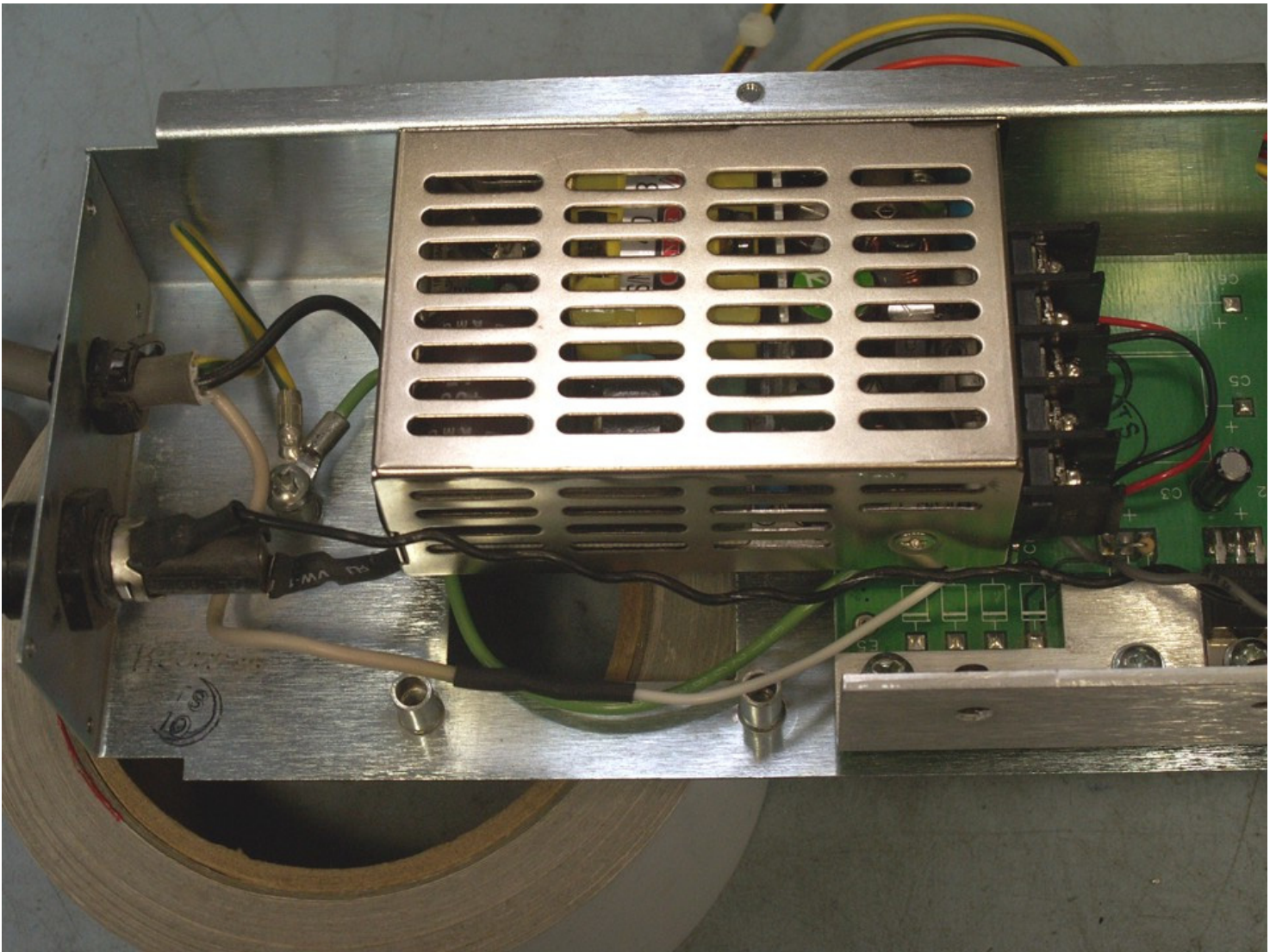
The part number for the entire power supply sub-assembly is 37-422. In this photo, the front of the 19-inch wide chassis is at the left of the photo. This view is looking down at the new 98-90 power supply mounted in place inside the chassis.



Here is the end view of the power connections to the power supply. The gray and white wires from the power switch attach to the left most screw terminals for AC input voltage. The green wire from chassis ground goes to the center screw. Notice the universal symbol for GROUND in this picture. The RED and BLACK wires from the circuit board connect to the remaining two power supply voltage screws. The RED wire is under the screw below the +V OUT label. The BLACK wire is under the screw below the -V label. These FIVE wires are all the connections that are needed to the 37-422 power supply sub-assembly. Any other voltages needed to operate the OTM / OTR units are generated on the 37-422 board.

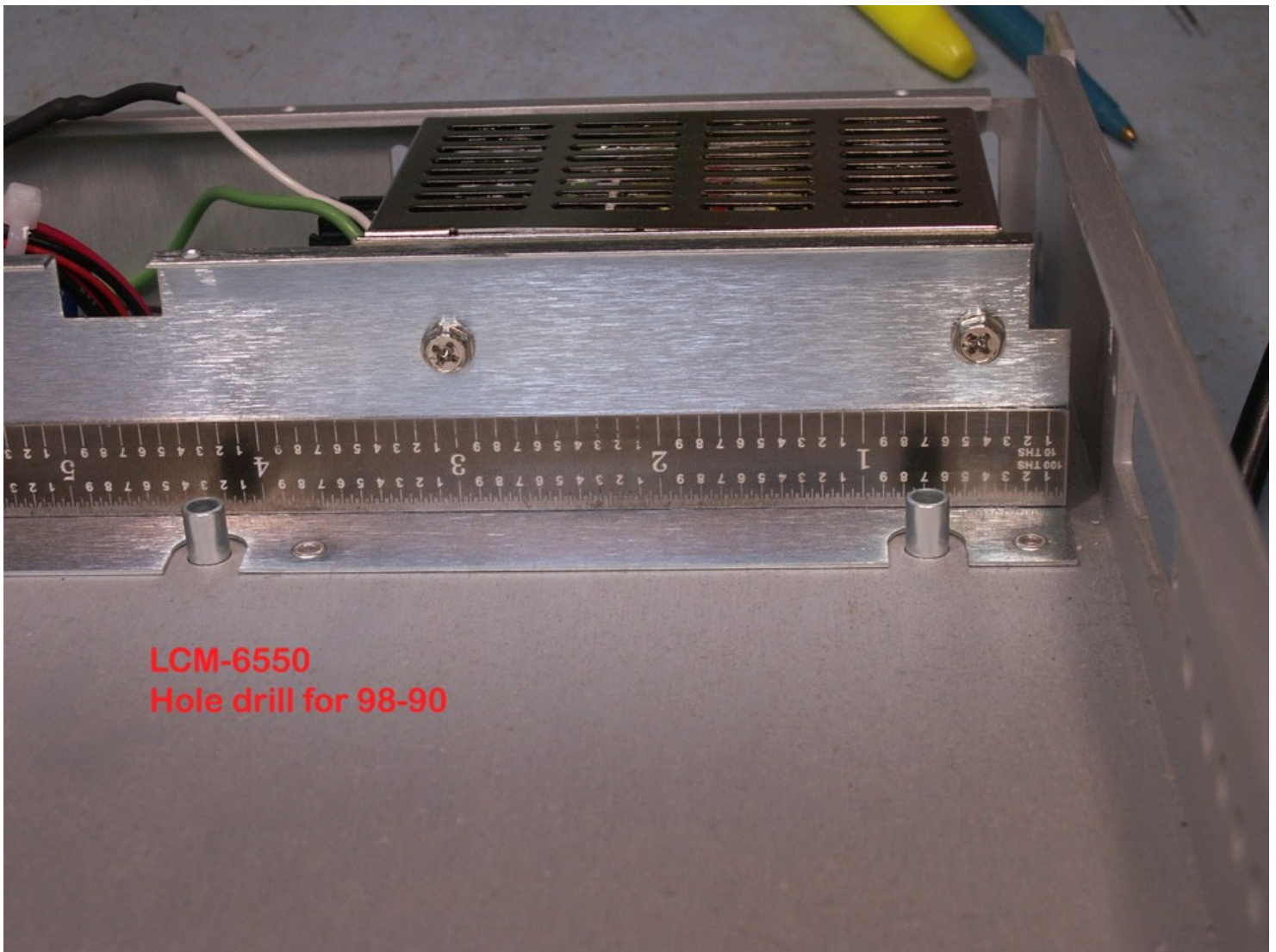


This last photo shows how a 3-inch white wire was added to the power cord to reach the AC input screw terminal on the power supply module. A piece of heat shrink was placed over the solder connection to the wire.



Olson Technology LCM-6550 power supply mounting holes.

If you are installing the 98-90 power supply into an LCM-6550 modulator, the photo below shows some minor differences in the mounting process. Notice where the 3-inch hole is located 1/2-inch below the lip of the bracket, and how the second screw is only 0.45 inches from the end of the mounting bracket. The power connection wires are shown in the photo for orientation. The two screws shown below are provided with the new power supply. The "universal" power supply works on 50 Hz or 60 Hz line power from 100 volts AC input to 240 volts AC input.



If you have additional questions, please contact me.

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