

HICKOK 539B/C
BIAS FUSE MODIFICATION
By William Eccher

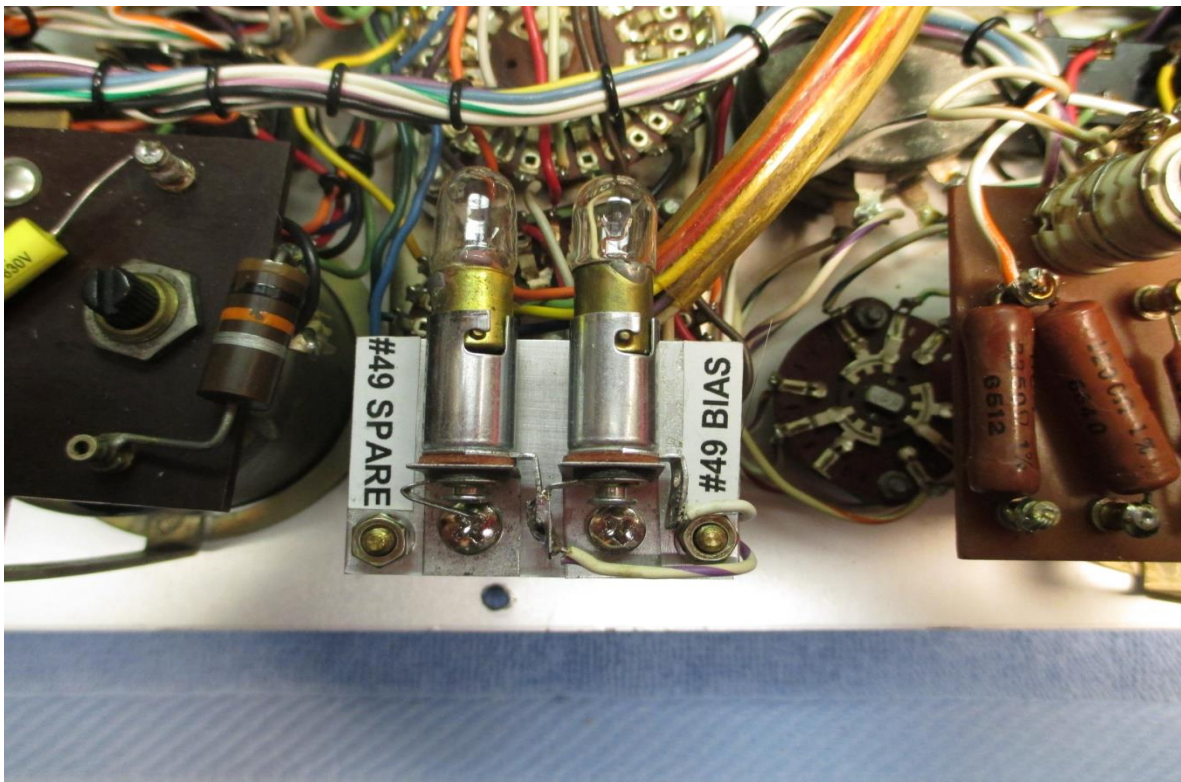
For reasons unknown Hickok omitted the Bias Fuse Bulb in these two models. It was used in models before and again after in both the 752 and 580 models. Many others have installed their own version or had a repair facility do it for them.

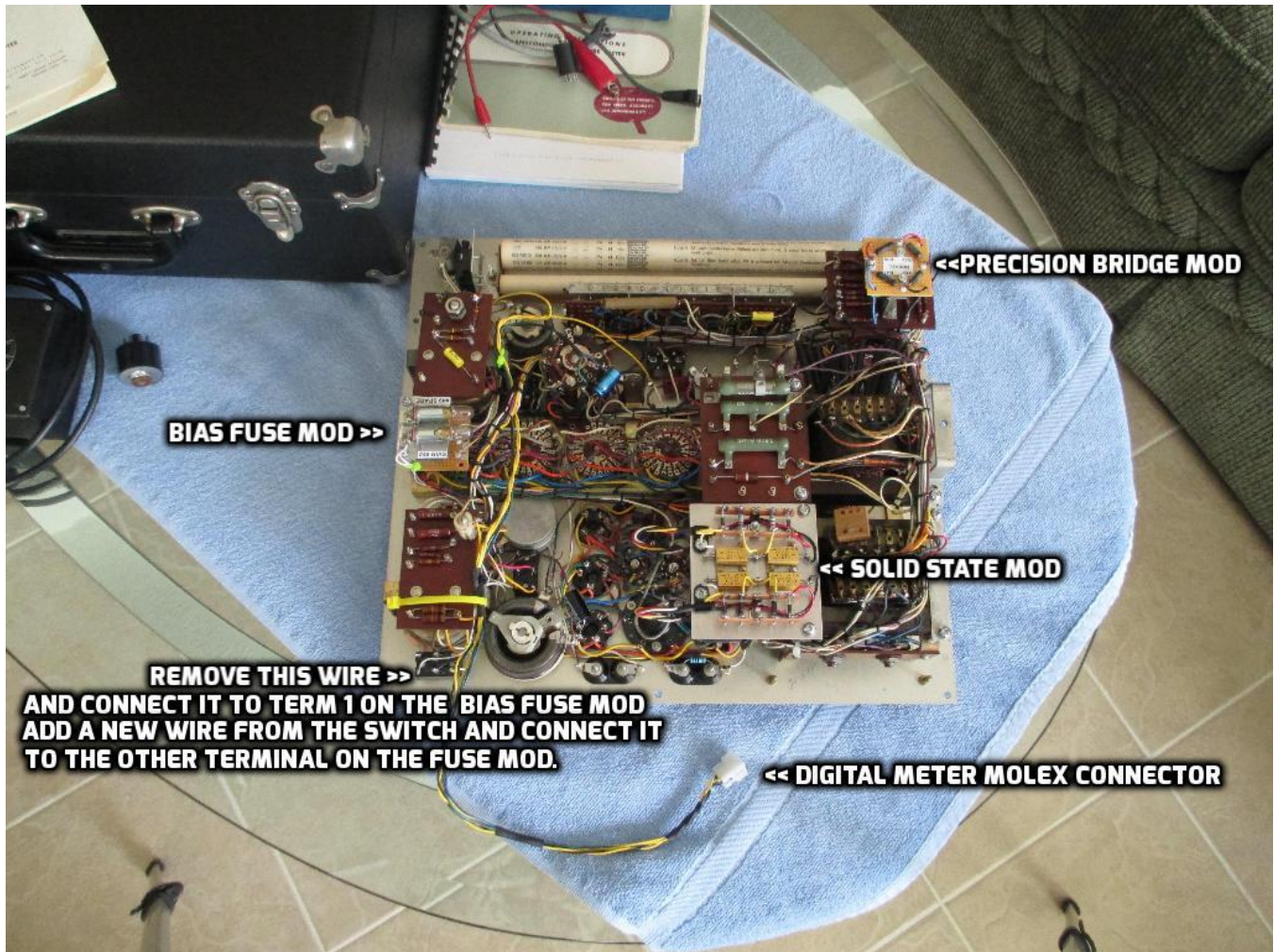
It was designed to protect the Bias Control Potentiometer from a shorted tube. This is very important now, since it difficult if not impossible to find a replacement part.

Some have modified the front panel to accept a bayonet socket for the type 49 fuse bulb, but with this fuse seldom failing the decision was made to install it internally.

This version has two bayonet socket mounted on a small plate that attaches to the existing machine screws on standoff's next to the Filament Selector Switch. The type 49 bulbs is installed with one bayonet socket wired in in series with the common bias adjust circuit. The other socket holds the spare #49 bulb.

If the 49 bulb gets burned out there will be zero bias indicated on the bias meter and the tester must be removed from the case for replacement. This modification Includes a spare 49 bulb.





<<PRECISION BRIDGE MOD

BIAS FUSE MOD >>

<< SOLID STATE MOD

**REMOVE THIS WIRE >>
AND CONNECT IT TO TERM 1 ON THE BIAS FUSE MOD
ADD A NEW WIRE FROM THE SWITCH AND CONNECT IT
TO THE OTHER TERMINAL ON THE FUSE MOD.**

<< DIGITAL METER MOLEX CONNECTOR