

PL700 Bridge Snubber Installation Photos

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Band clamp
Mounting Screw
6-32 x 1-3/4" long
From underside of
Transformer cradle

Original Condition for
PL700B and PL700 Series 2 shown.
Bridge installed with 10-24 self tapping
Screw into die cast transformer
Cradle right hole location. The left screw
is a 6-32 x 1-3/4" long screw to hold
down capacitor band strap. You can
Observe that adequate clearance
Between bridge rectifier and band clamp
Mounting screw exists. Metal band
clamp removed for clarity.



You can also observe that when you attempt to install the bridge snubber board on the bridge that is located in the original rear mounting hole position that a clearance problem is created with the band clamp mounting screw shown to the left.



Bridge removed from the bottom hole Position. Showing original 10-24 self-tapping Mounting screw and the bridge rectifier



Band Clamp mounting screw close-up

SHIMMERS
TYPE DCM

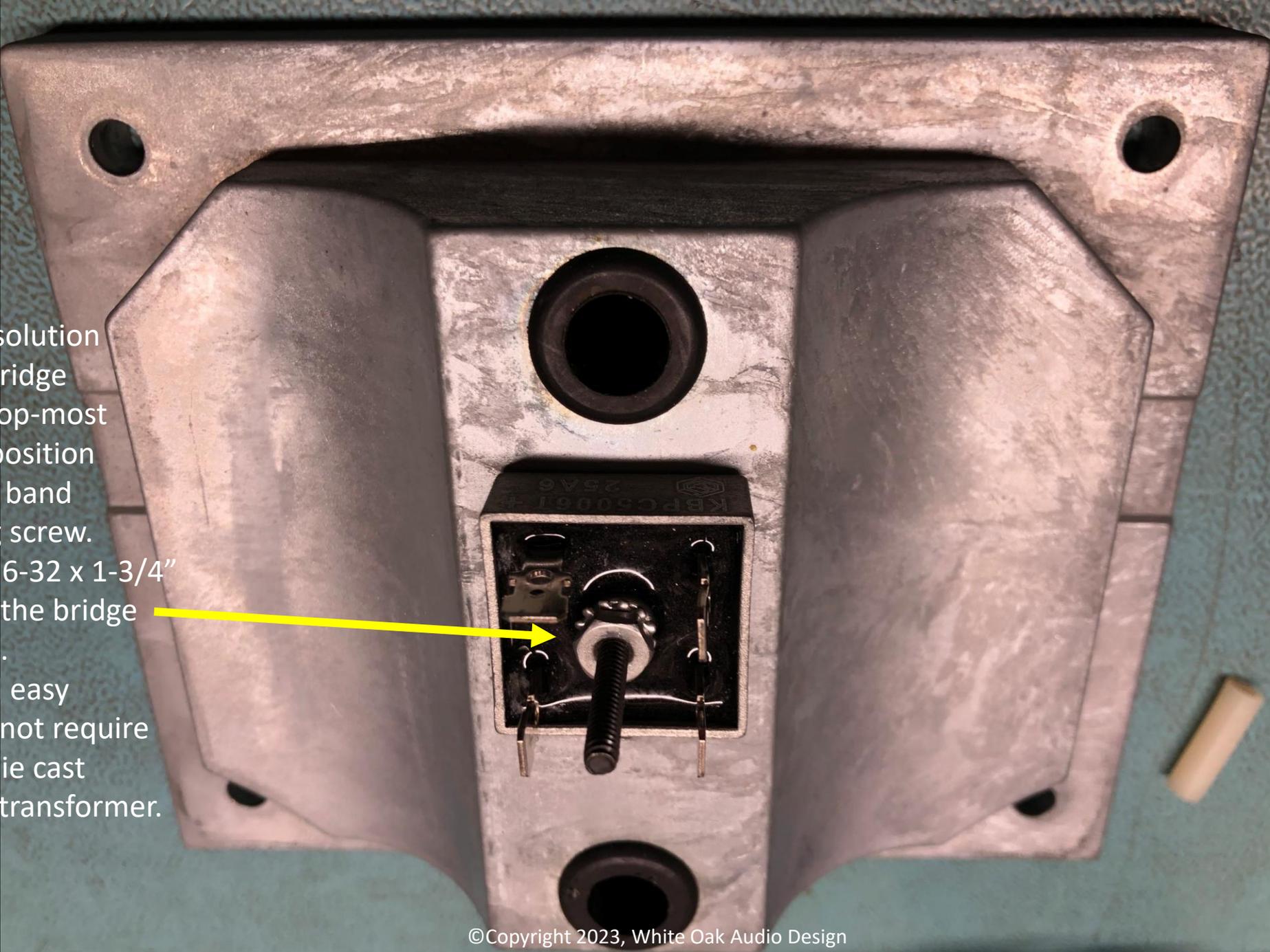
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9,800 MFD
100 VDC

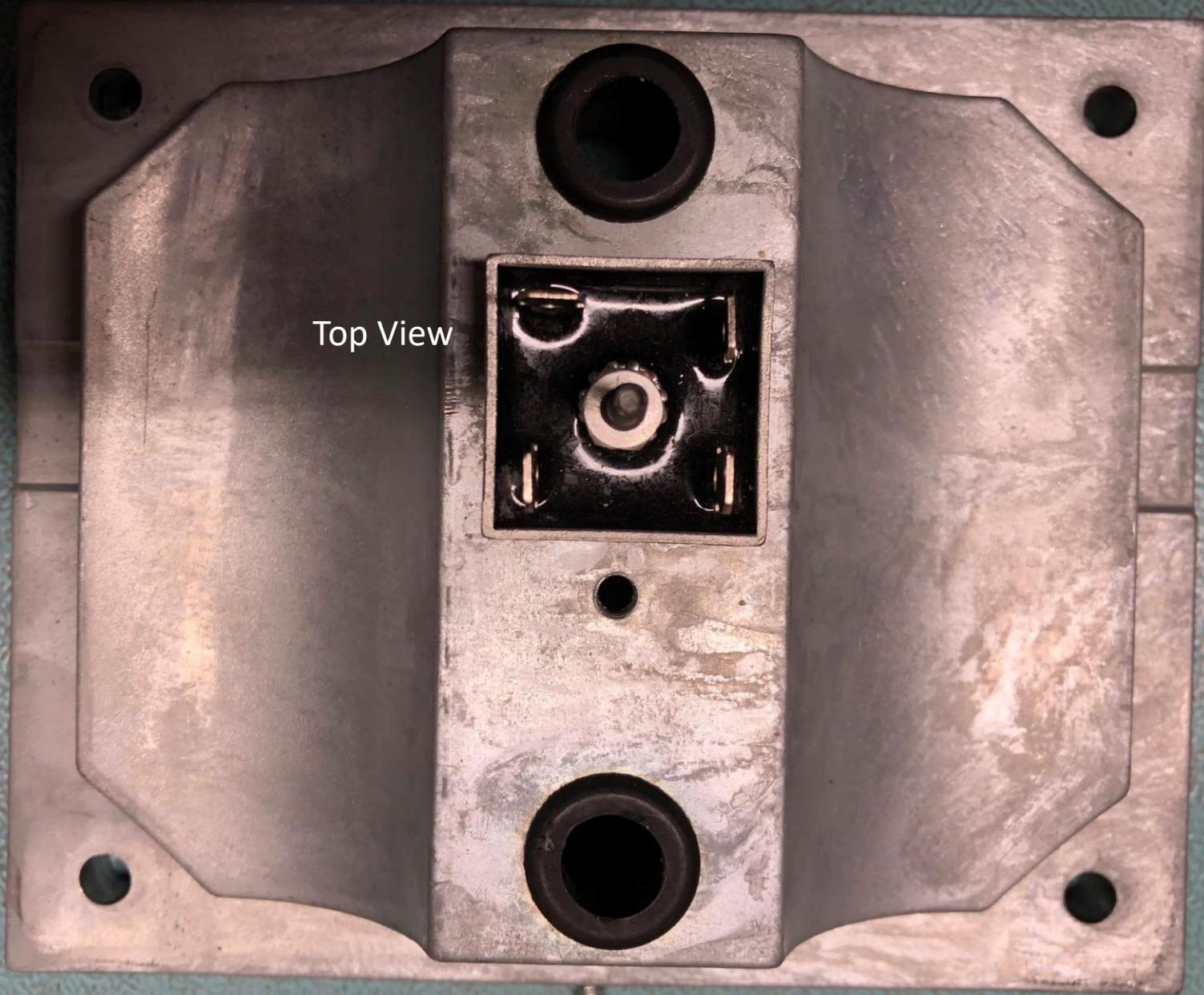
SHIMMERS

TYPE DCM
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9,800 MFD
100 VDC
MADE IN U.S.A.
658 7525

RR
02/27/96
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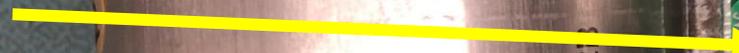
Quick and easy solution is to move the bridge rectifier to the top-most mounting hole position occupied by the band clamp mounting screw. Use the original 6-32 x 1-3/4" screw to secure the bridge rectifier in place. This is quick and easy because it does not require separating the die cast cradle from the transformer.





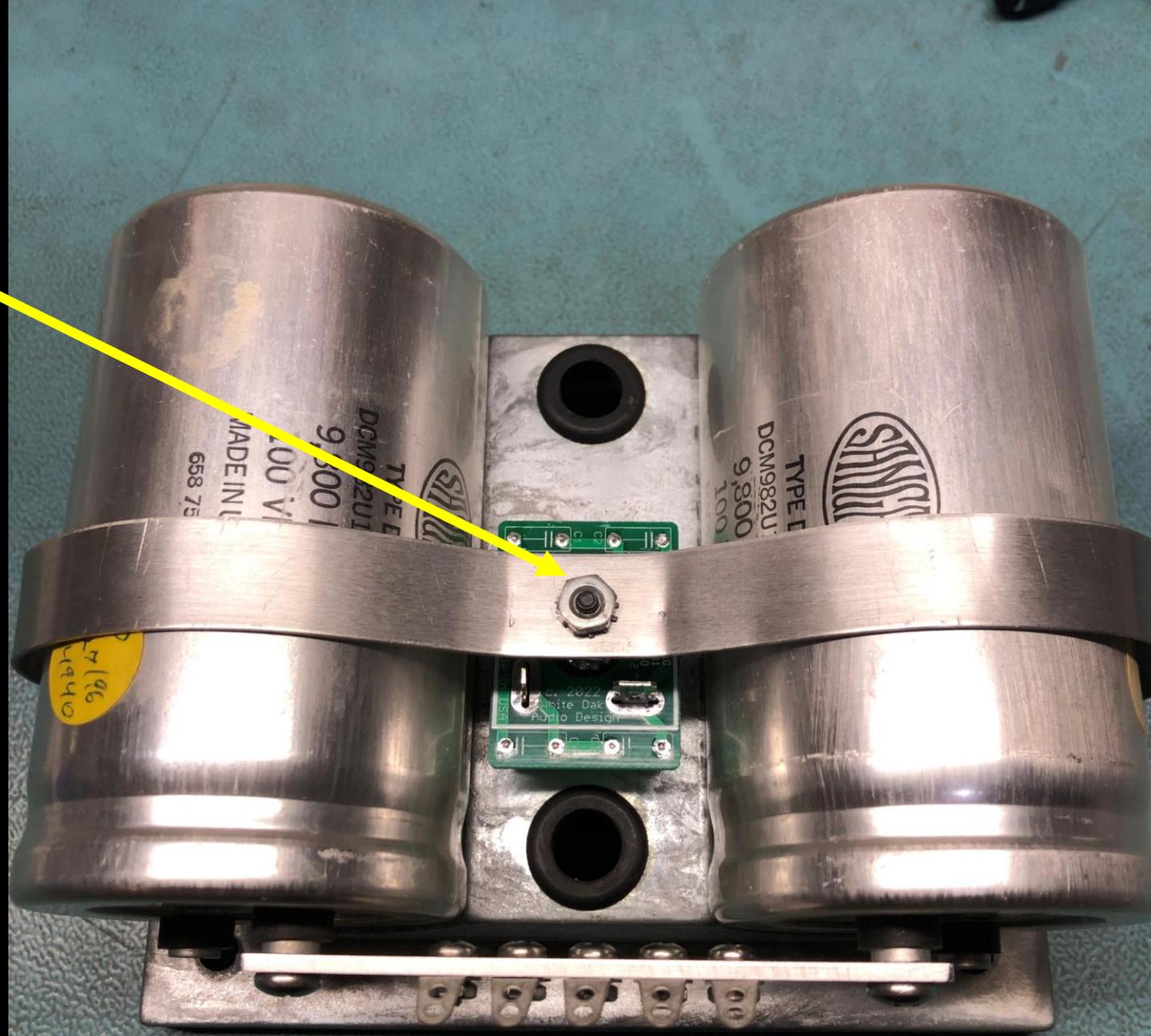
Top View

Now you can observe
That clearance issues have
been resolved.

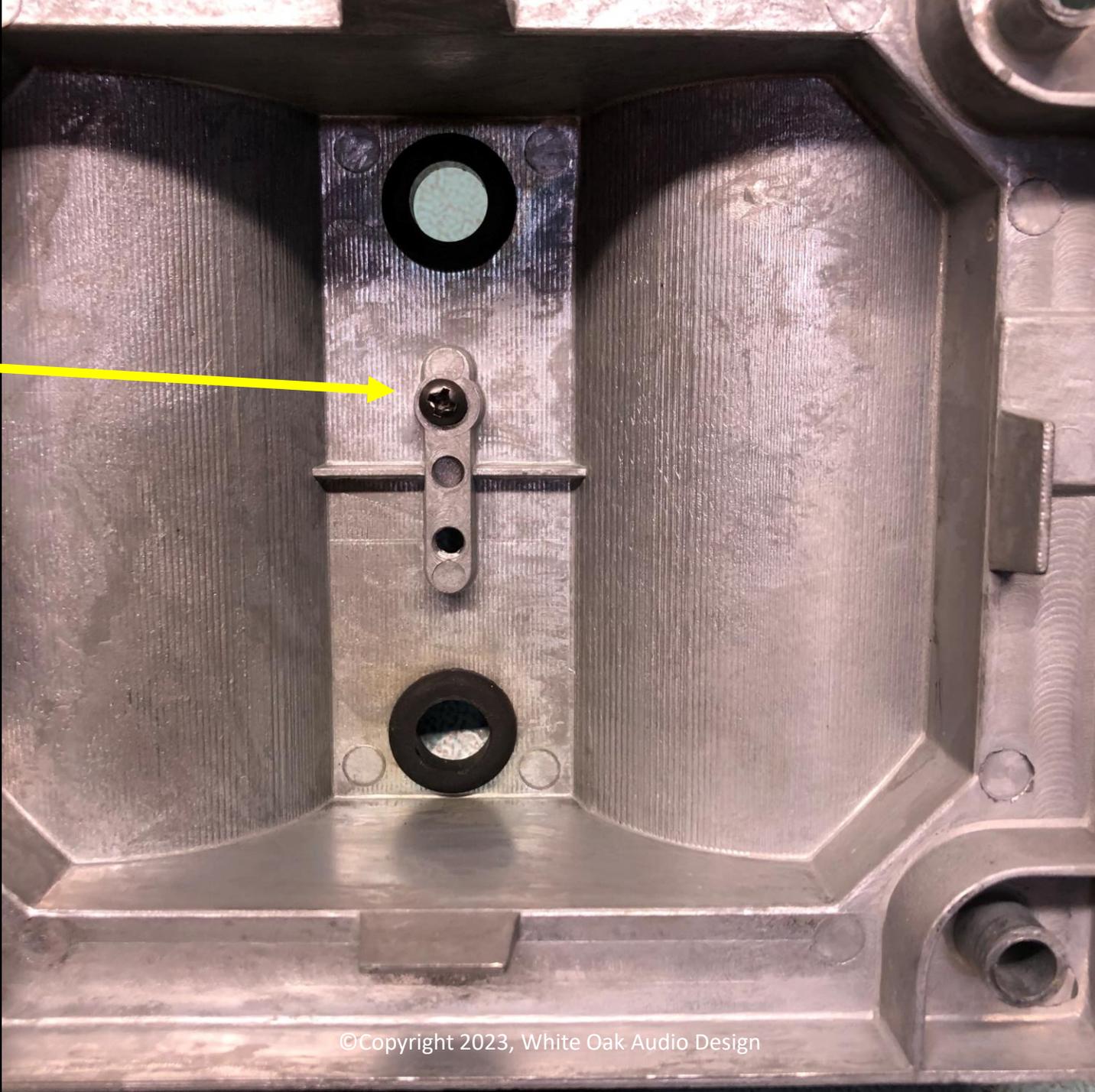




Shown with band
Clamp installed back
On the capacitors.



This is how that screw
Appears from the backside
Of the transformer cradle
If you had removed it.



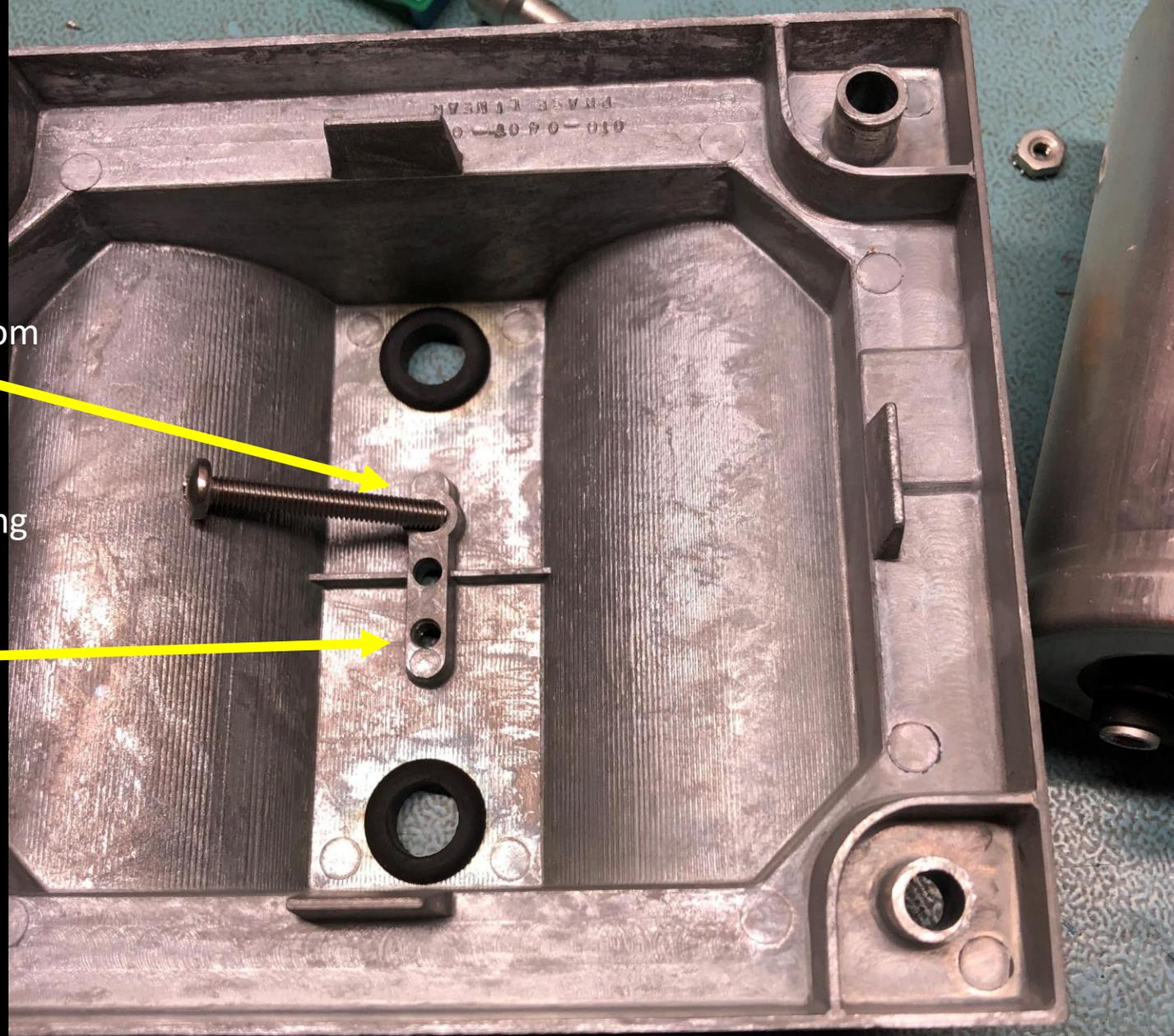
If you desire the improved Bridge mounting method, Separate the die cast Transformer cradle from The transformer. Using Your drill press, bore out Hole to the left (the one With the larger die cast boss On the backside of the casting). Use a 13/64" (0.203") or #6 (0.204") drill for the Proper size. Deburr top And bottom of the bored Out hole with a countersink Tool. Clean any drill filings From the die cast cradle Part.

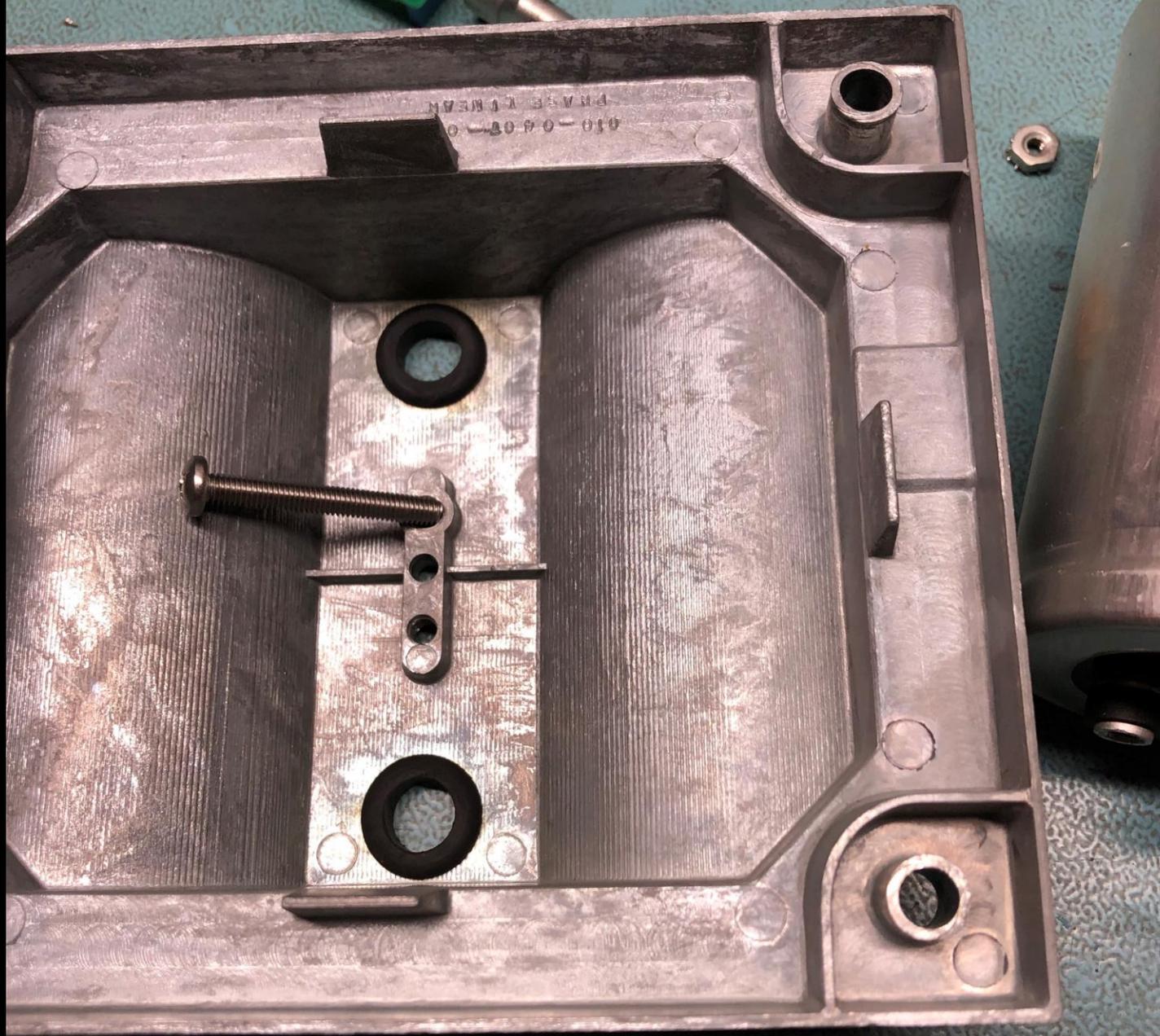




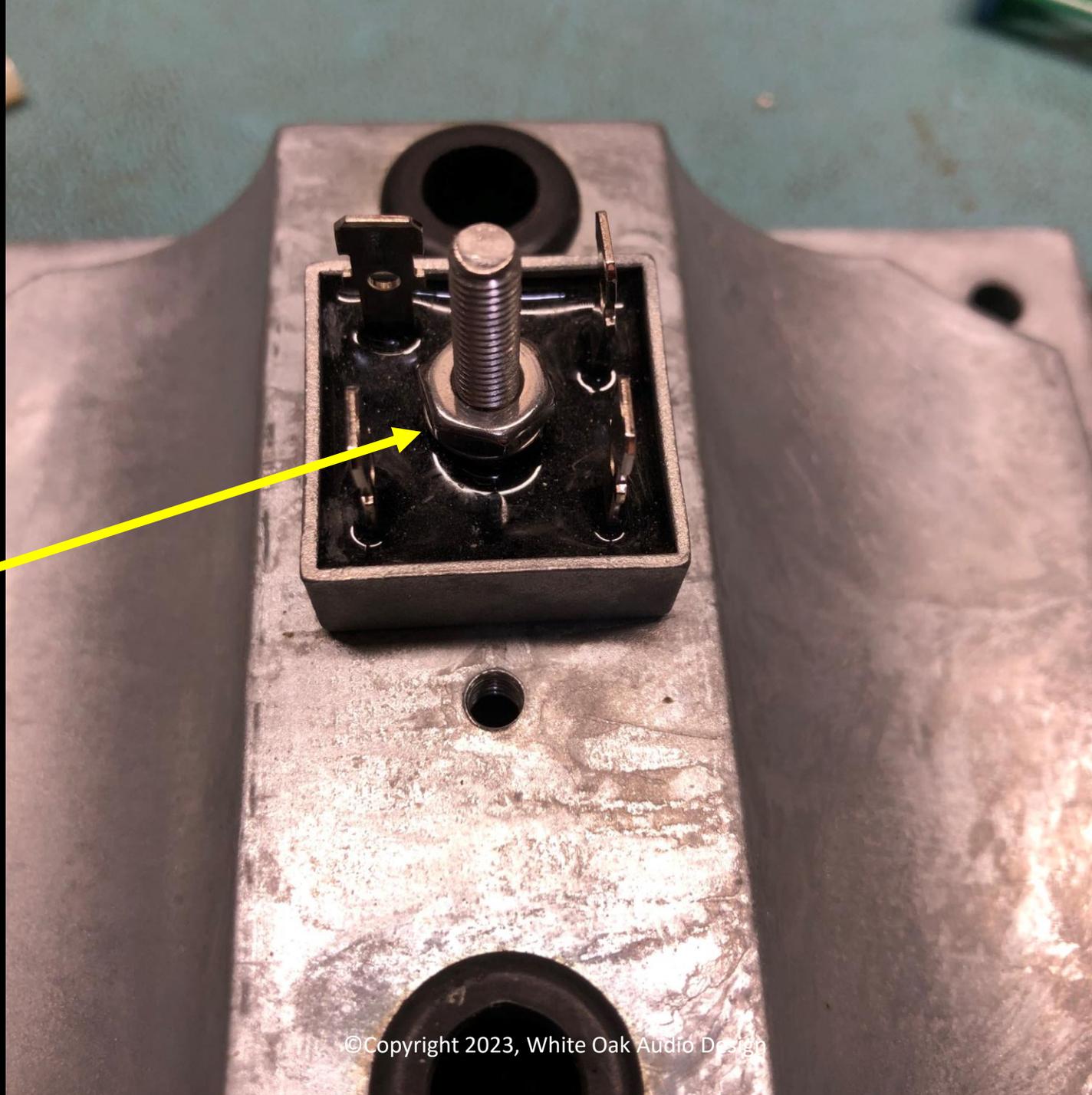
This is the location to Bore out. The location With the enlarged die Cast boss seen on the bottom Side of the transformer Cradle.

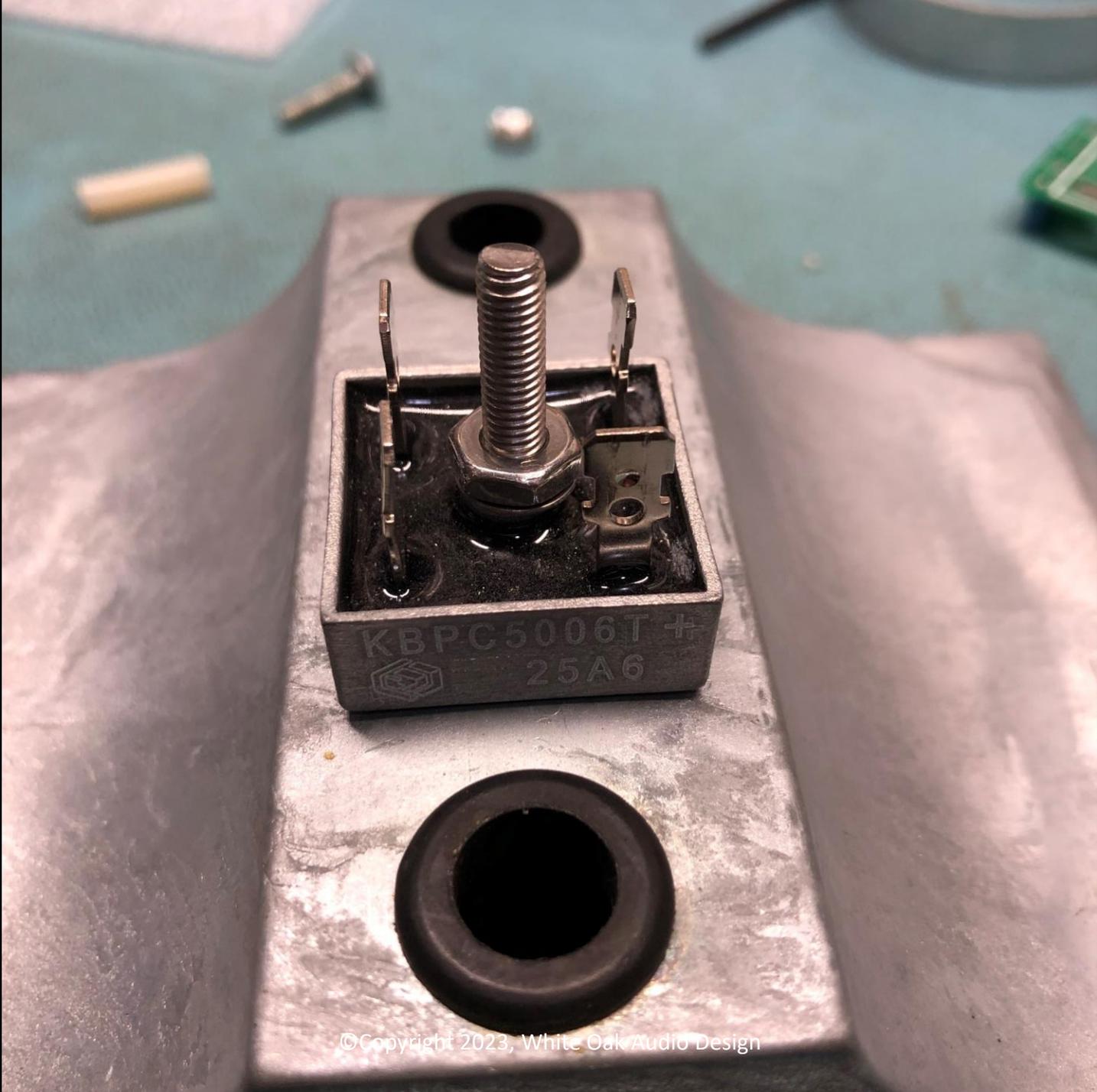
The original bridge mounting Hole is here. This one used The 10-24 self-tapping Screw.



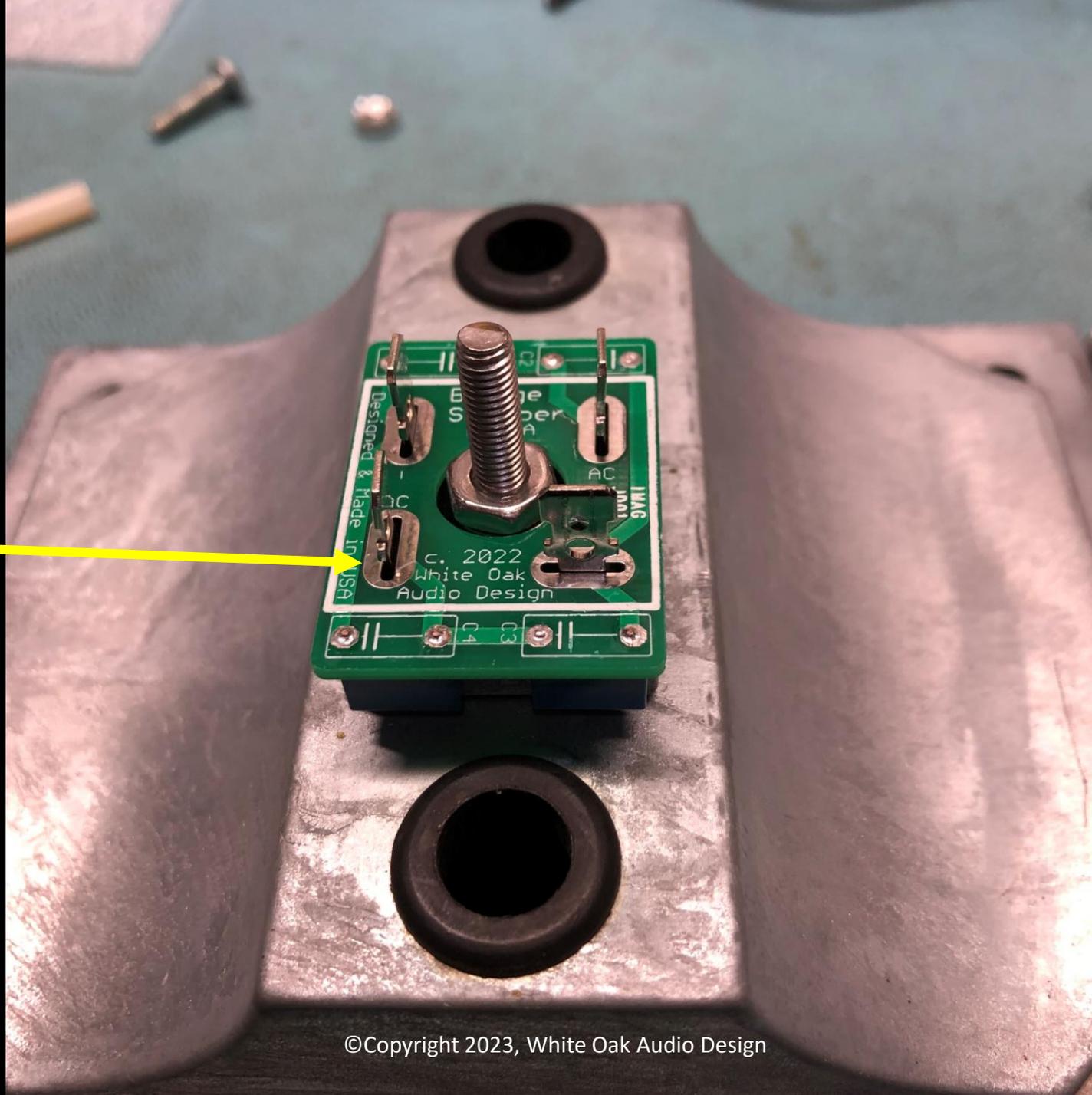


Mount the bridge
As shown using the
Provided 10-32 x 1-3/4"
SS screw from the
Backside of the
transformer die casting.
Secure with provided
#10 SS internal tooth
Lock washer and 10-32
SS hex nut as shown
Here.





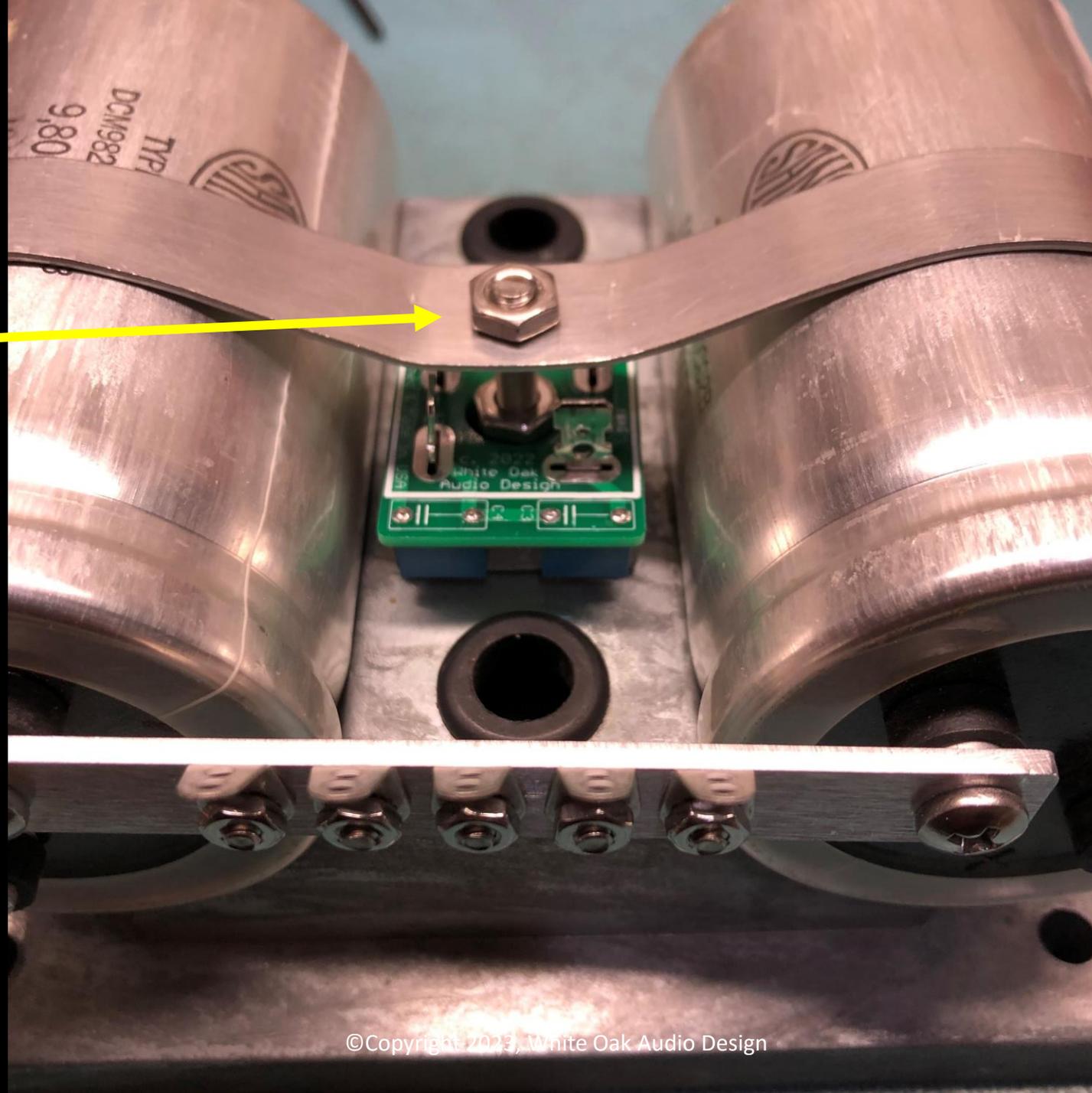
Install assembled
Bridge snubber board
On top of the mounted
Bridge rectifier and
solder the pads on the
Bridge snubber board
To the Faston tabs
Of the bridge rectifier.
It will take a bit of
Heat from your
soldering iron to make
This connection. You
Only need to have a
Small connection area
As these solder joints
Are only carrying small
Snubber capacitor
Currents. Don't overdo
It.



Likewise drill out
The capacitor band
Clamp using the same
Drill bit used for the die cast
Transformer cradle. Be
Careful not to damage the
band clamp, it is not all
That thick. Remove any
Burrs from the drilling
Operation.



Shown reassembled
With the bored out
Capacitor band clamp.
Use the additional
10-32 SS hex nut
Provided for securing
The band clamp in
Place.



If you have the transformer Cradle separated, now may Be a good time to think About insulating your Transformer bolts. Not Required, but you have It this far apart, you would Hate to have to tear it apart Again to do that.

