

# PL700B & PL700 S2 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

SHOULDERS  
TYPE DCM

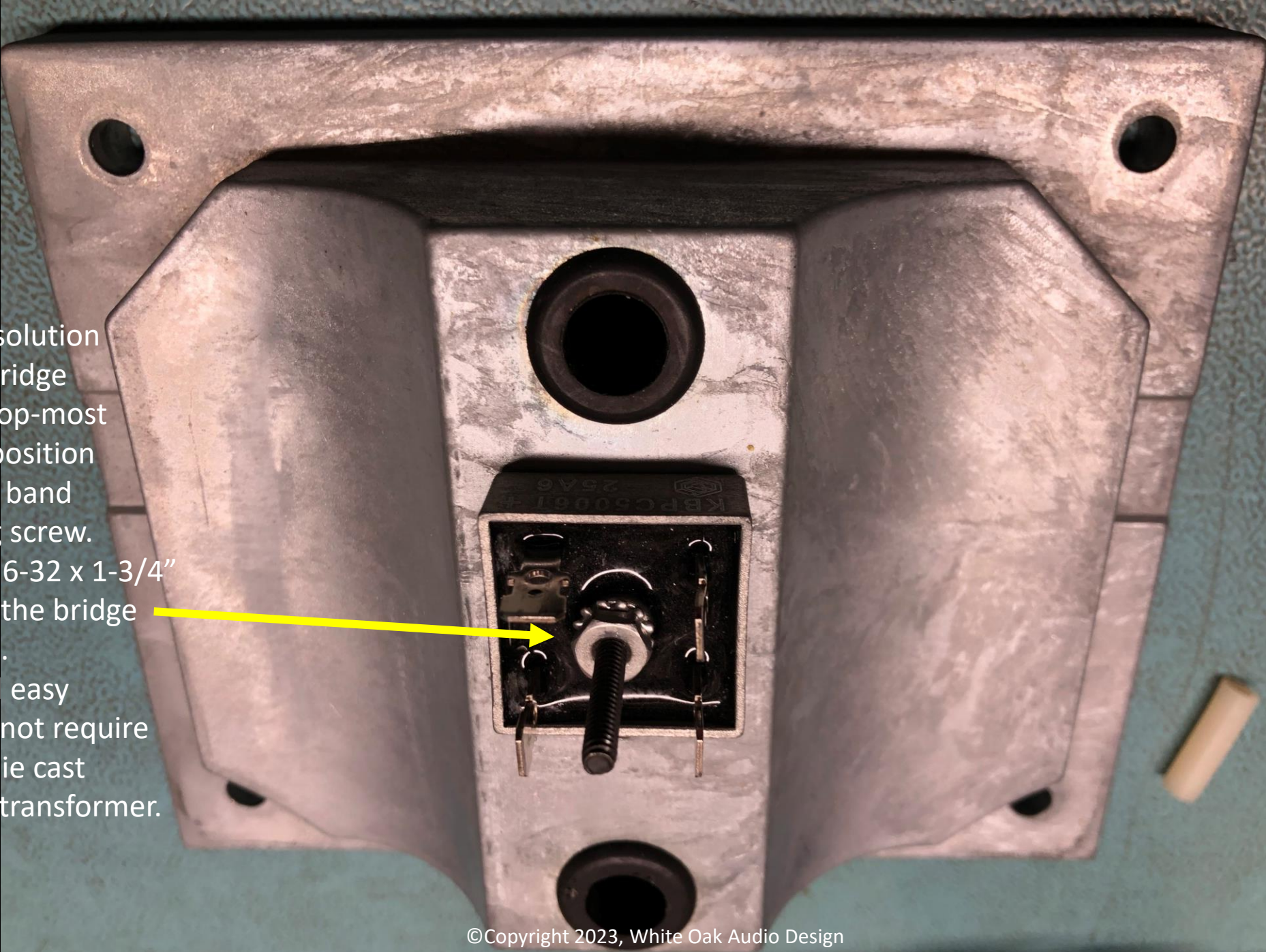
DCM982U100CC2B  
9,800 MFD  
100 VDC

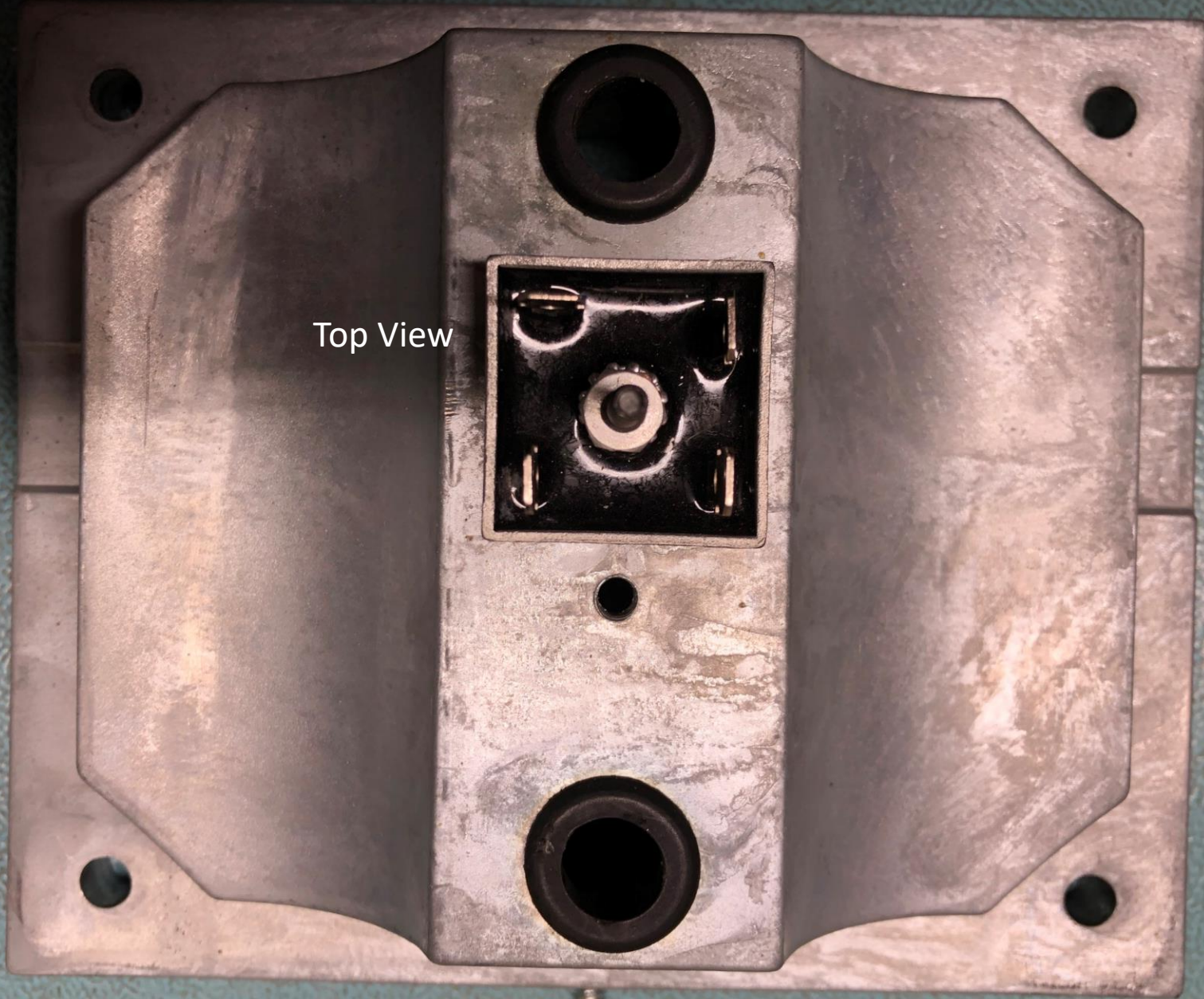
SHOULDERS  
TYPE DCM

DCM982U100CC2B  
9,800 MFD  
100 VDC  
MADE IN U.S.A.  
658 7525

RR  
02/27/96  
200910

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.





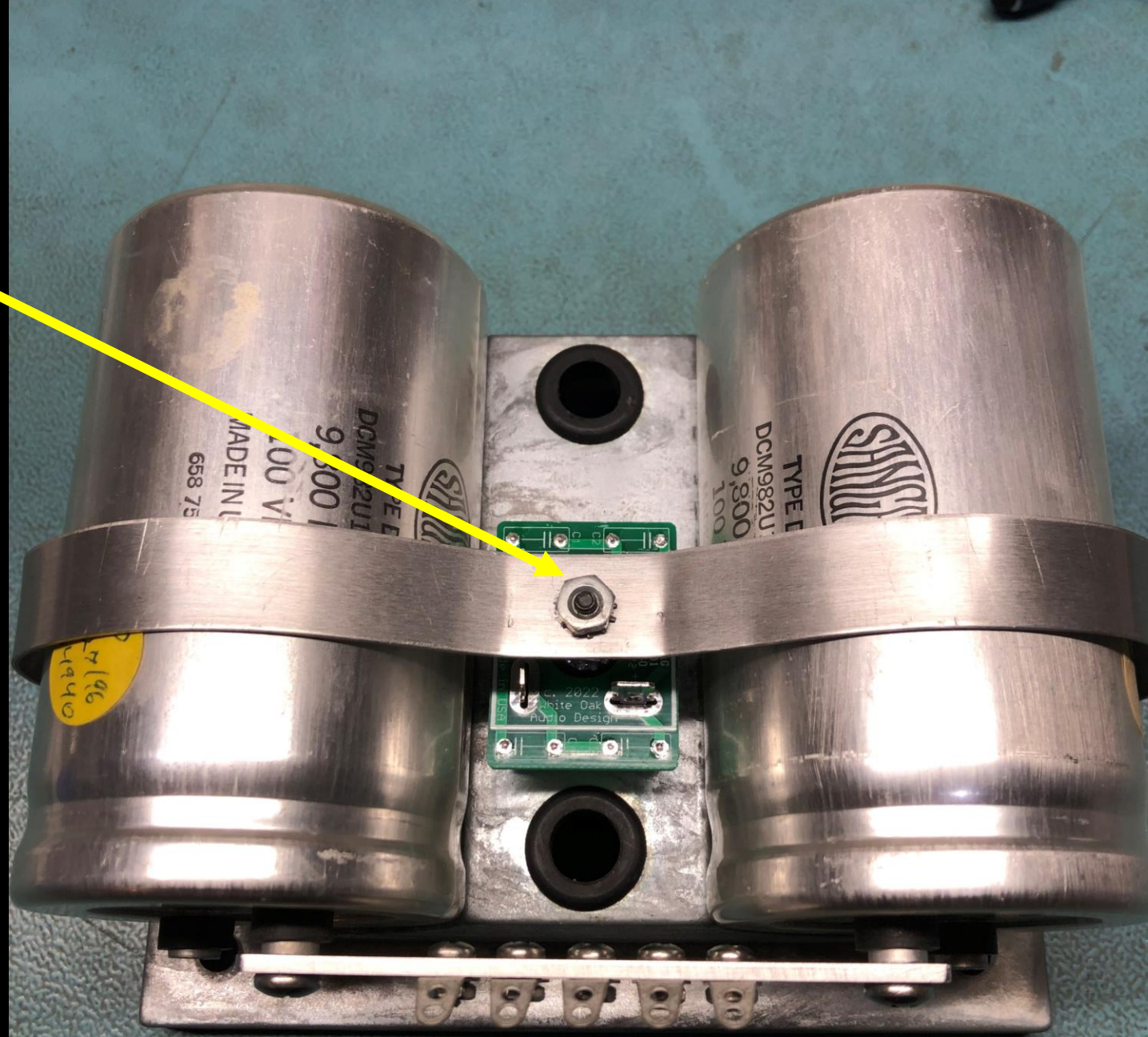
Top View

Now you can observe  
That clearance issues have  
been resolved.

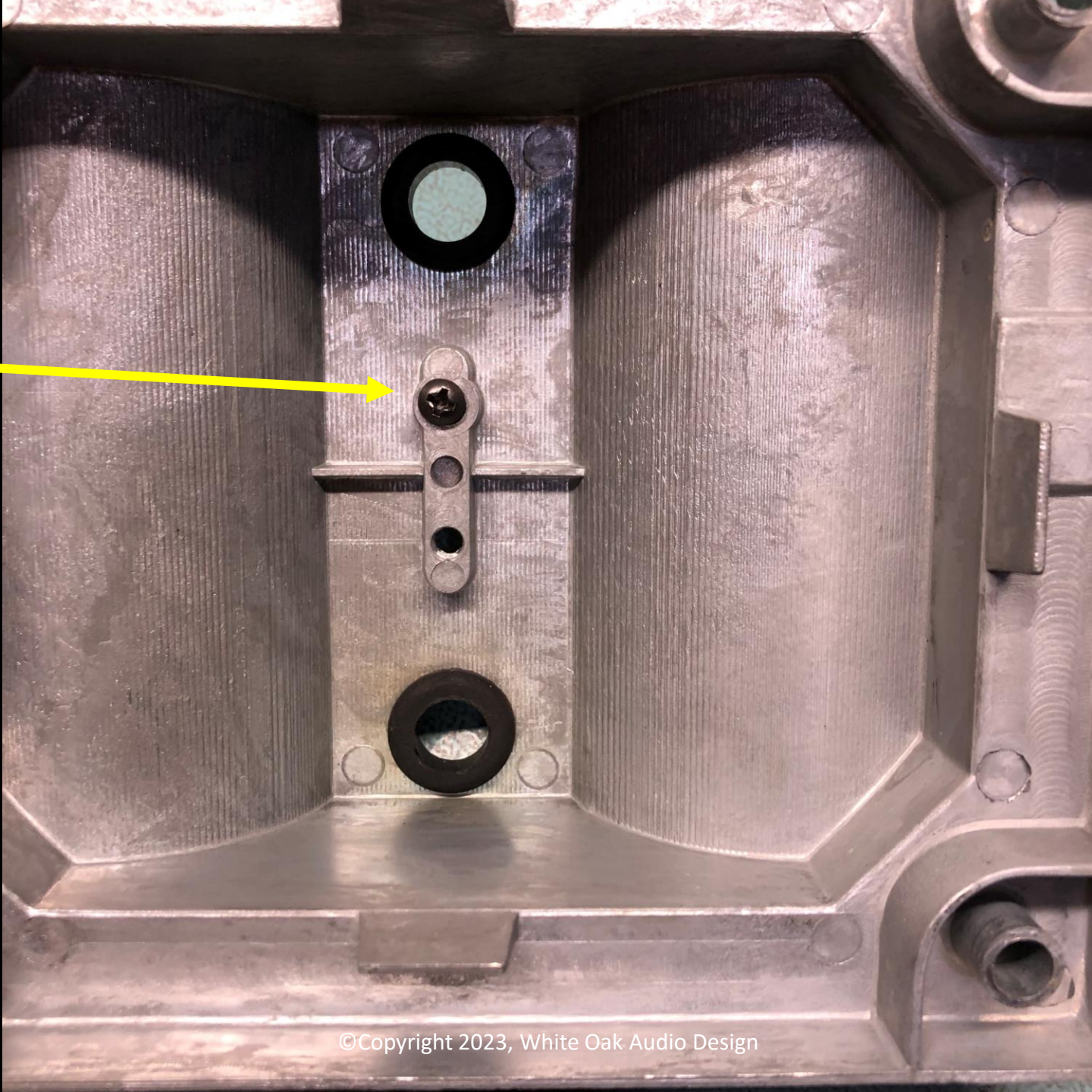




Shown with band  
Clamp installed back  
On the capacitors.



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



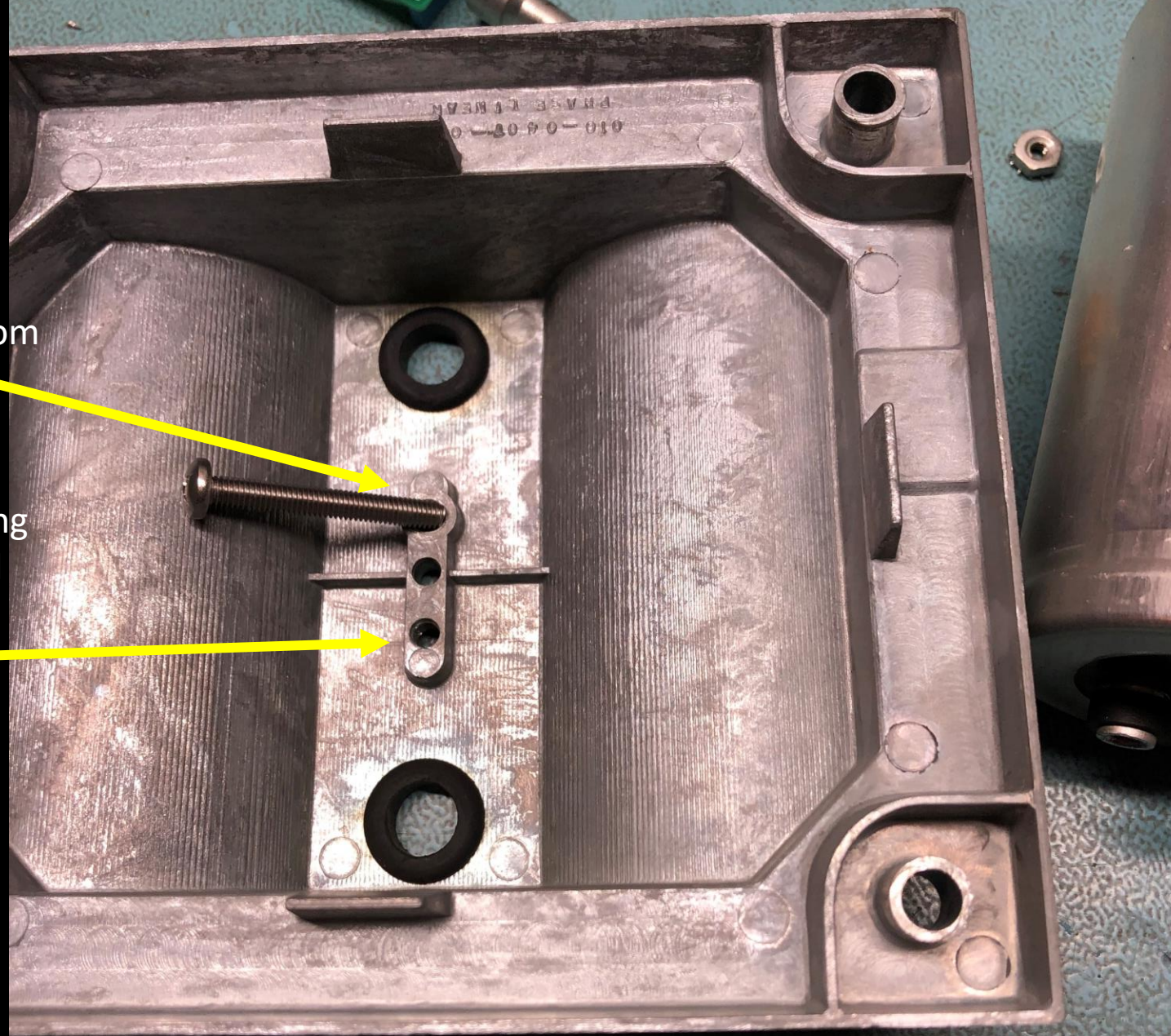
If you desire the improved Bridge mounting method, Separate the die cast Transformer cradle from The transformer. Using Your drill press, bore out Hole to the left (the one With the larger die cast boss On the backside of the casting). Use a 13/64" (0.203") or #6 (0.204") drill for the Proper size. Deburr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

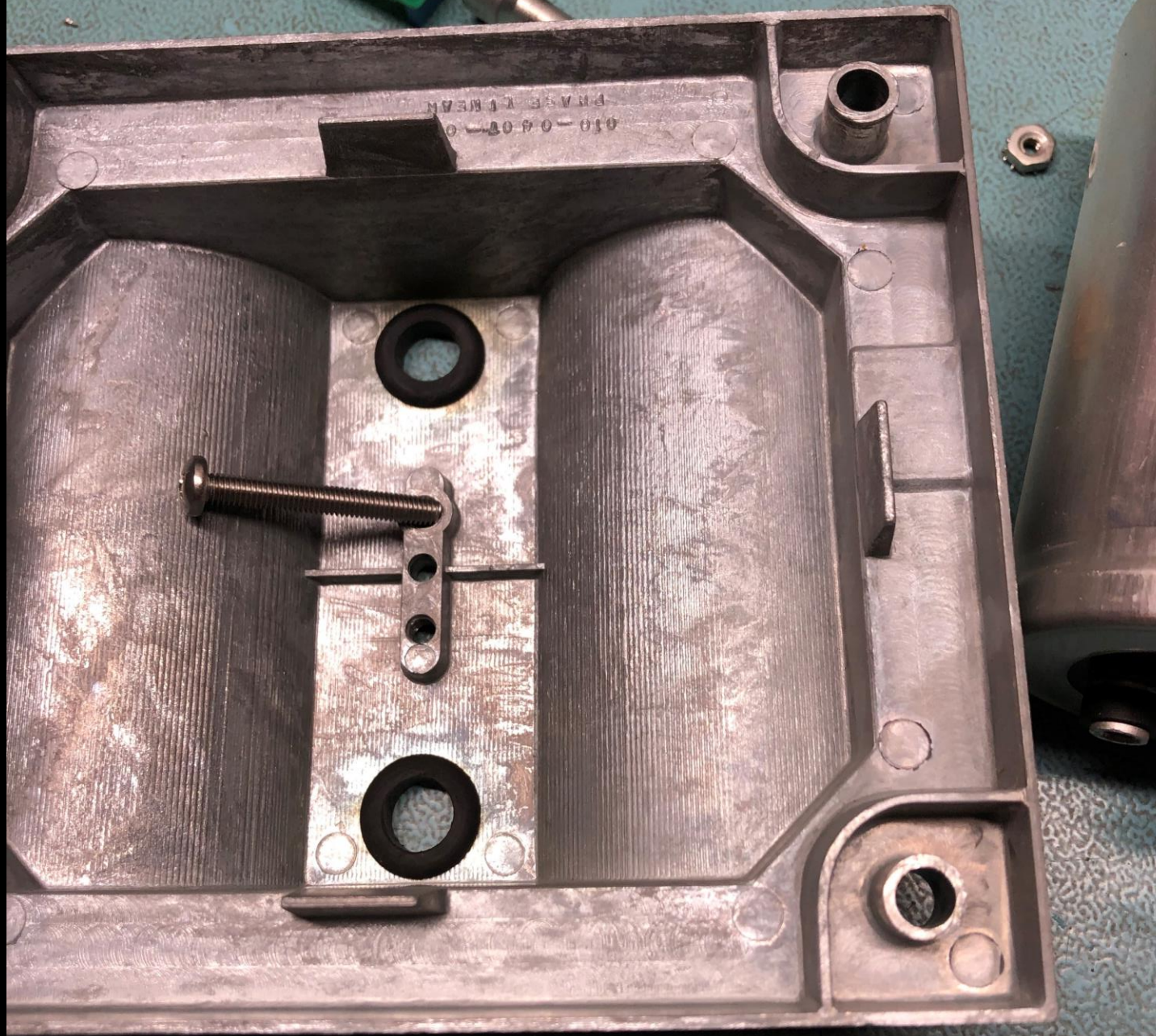




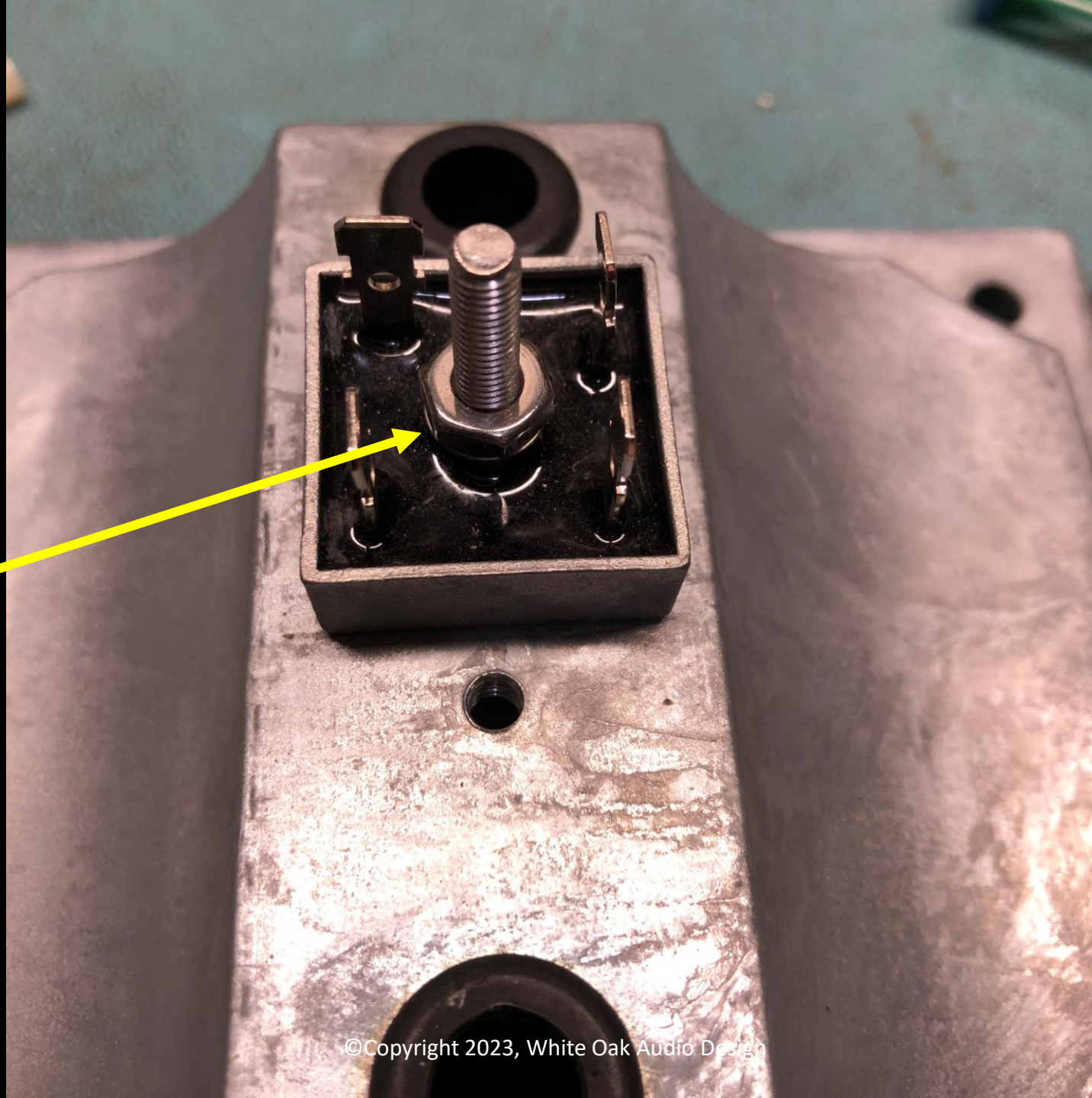
This is the location to Bore out. The location With the enlarged die Cast boss seen on the bottom Side of the transformer Cradle.

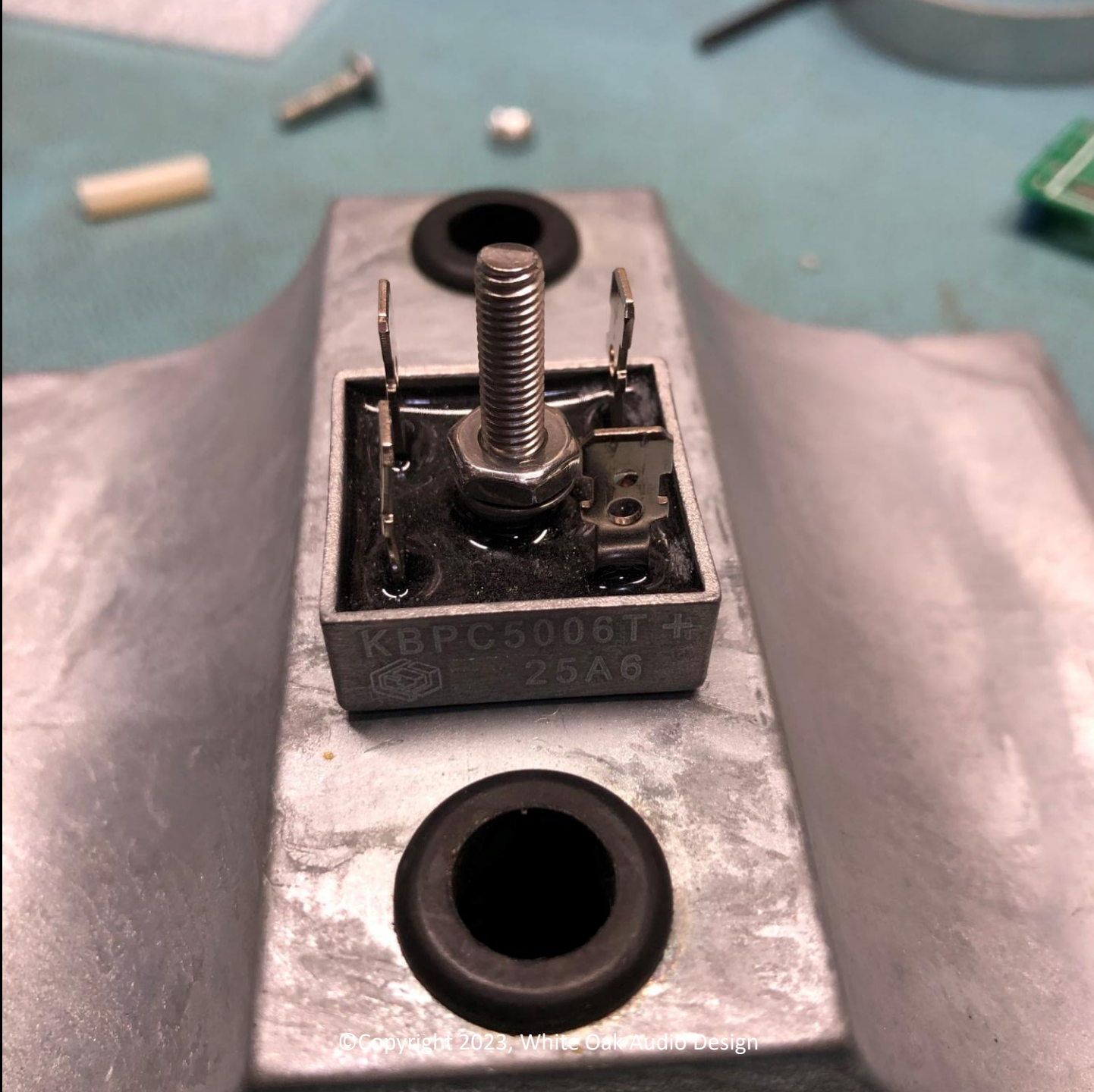
The original bridge mounting Hole is here. This one used The 10-24 self-tapping Screw.



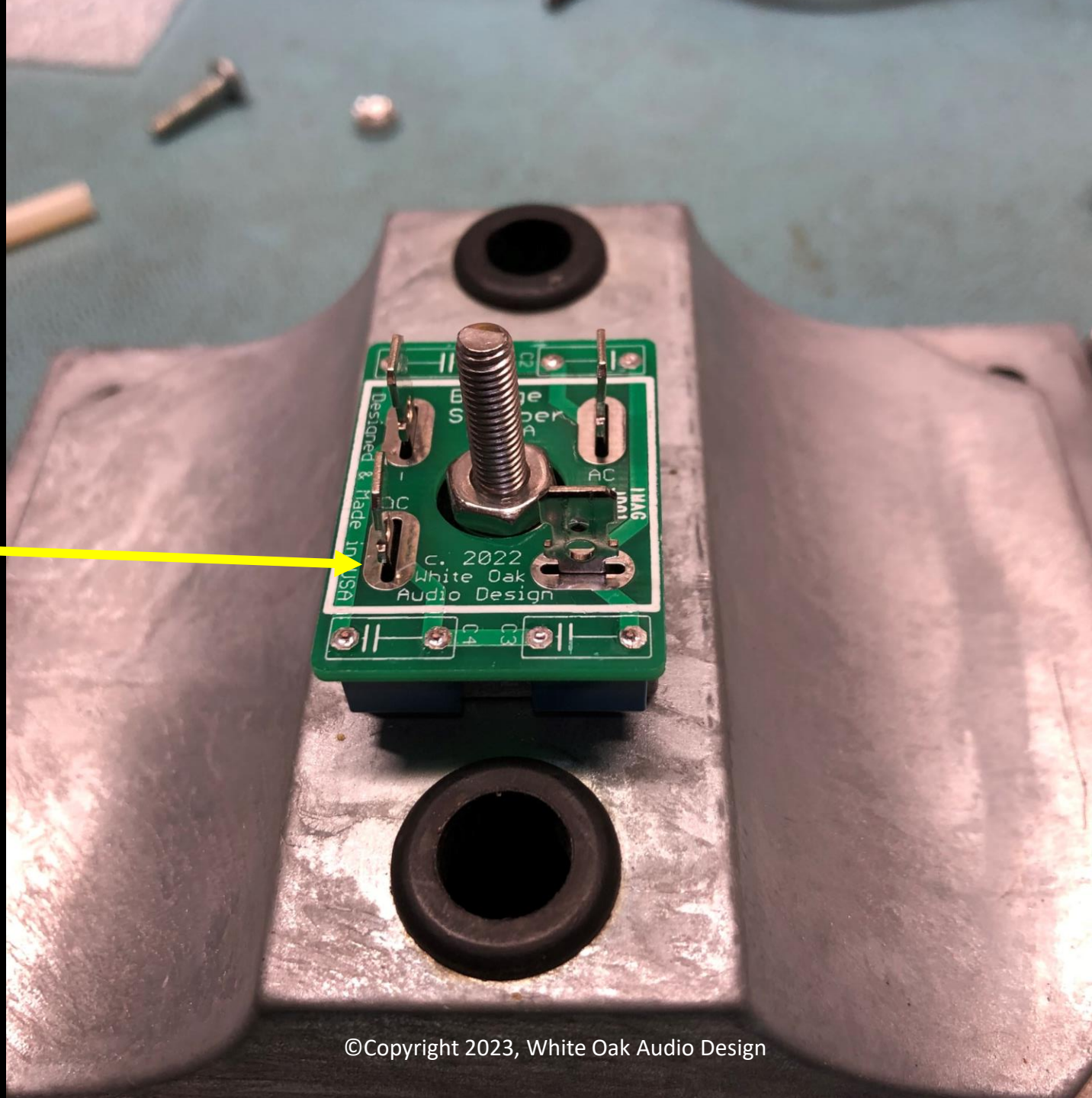


Mount the bridge  
As shown using the  
Provided 10-32 x 1-3/4"  
SS screw from the  
Backside of the  
transformer die casting.  
Secure with provided  
#10 SS internal tooth  
Lock washer and 10-32  
SS hex nut as shown  
Here.





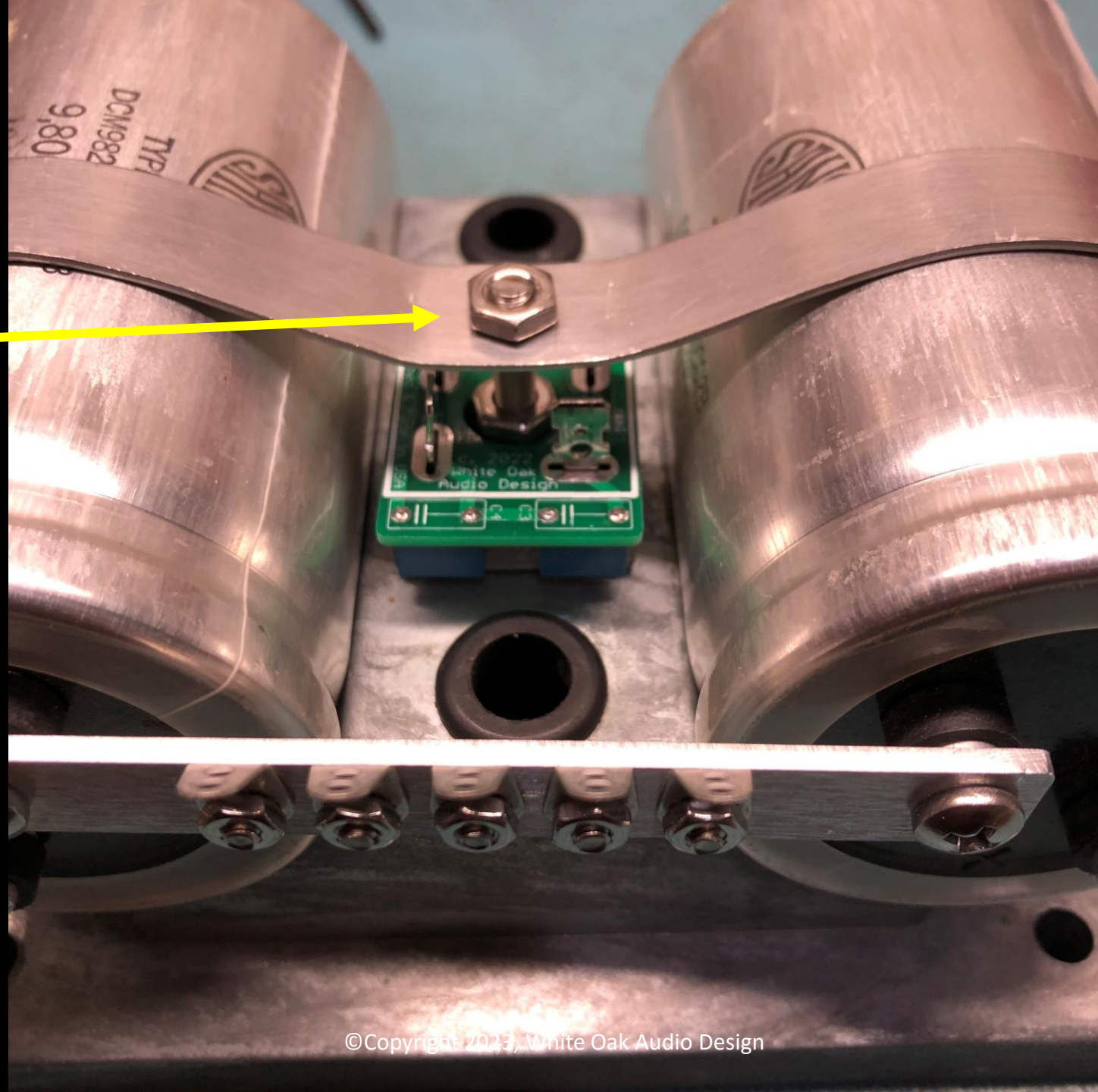
Install assembled  
Bridge snubber board  
On top of the mounted  
Bridge rectifier and  
solder the pads on the  
Bridge snubber board  
To the Faston tabs  
Of the bridge rectifier.  
It will take a bit of  
Heat from your  
soldering iron to make  
This connection. You  
Only need to have a  
Small 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.

