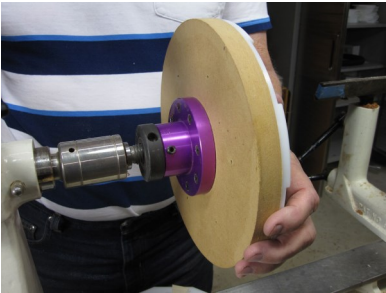


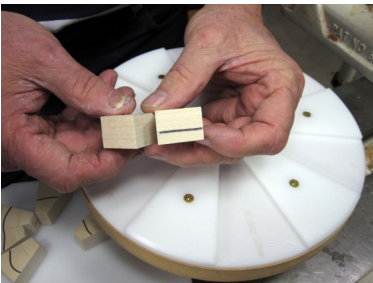
# The Zero Plate Tutorial



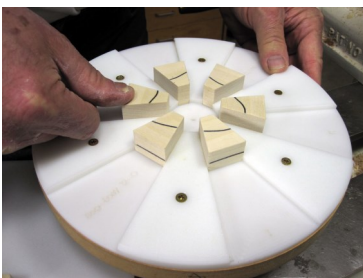
Mount the Zero Plate on the MDF and a face-plate, and then on the tailstock.



Use a good waste-block. Do not use MDF for this.



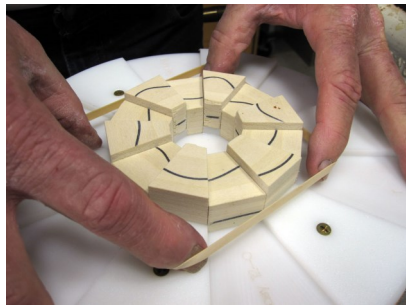
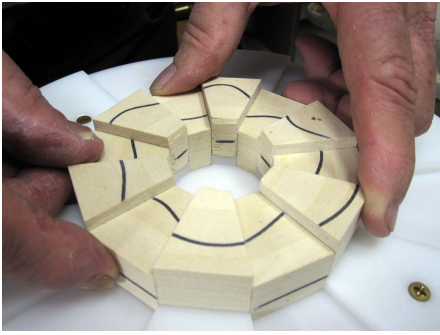
Half of the segments cut with the Wedgie Sled are marked inside, and half outside.



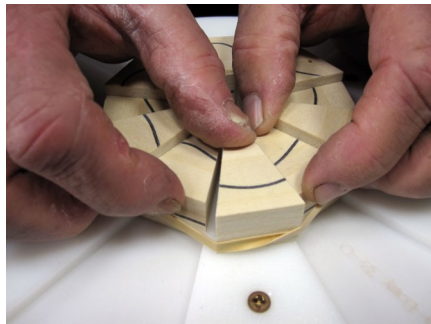
Place the ones marked outside in the grooves of the plate.



Intersperse the remaining segments marked on the inside, on top of the plate ribs snugly in between the segments in the grooves.



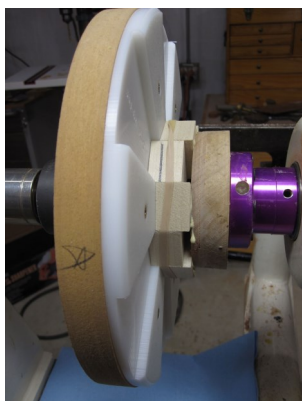
Put a rubber band around the segments.



Make sure the segments in the grooves fit snugly.

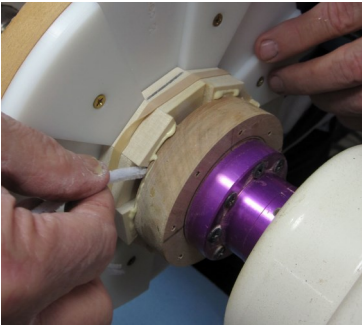


Apply glue only to the tops of the segments that stick up.

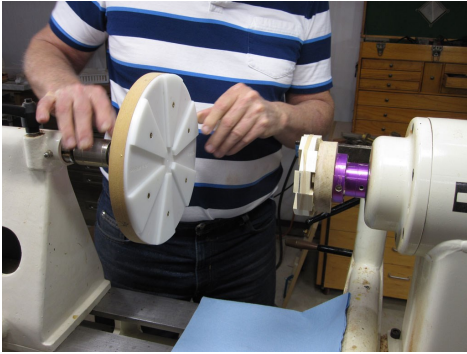


Using the tailstock, apply just enough pressure to set the glue.

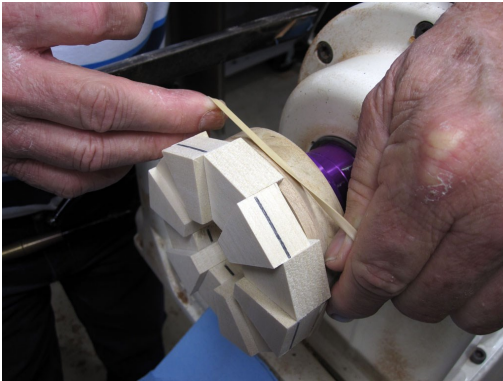
**Note:** It's a good idea to have a paper towel on the ways to catch any dripping glue.



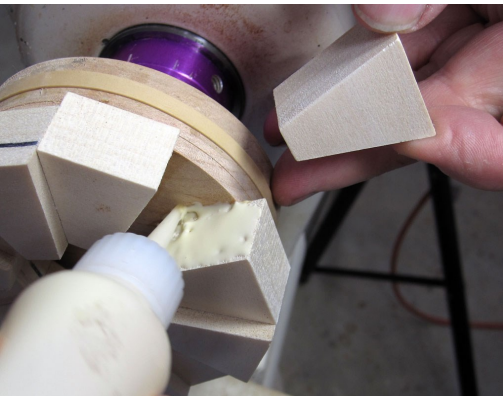
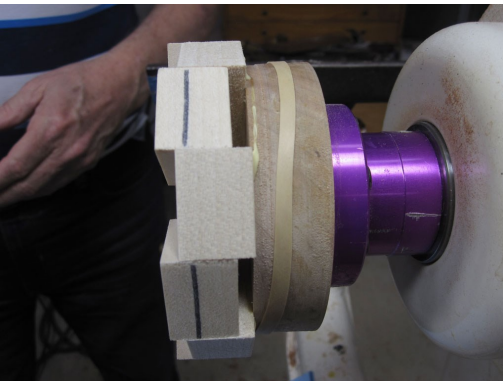
With a dampened — not wet — pipe-cleaner, clean out the excess glue.



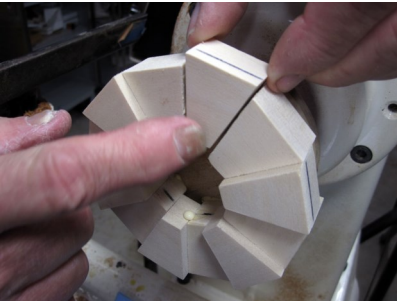
After about 5 minutes, back the plate off.



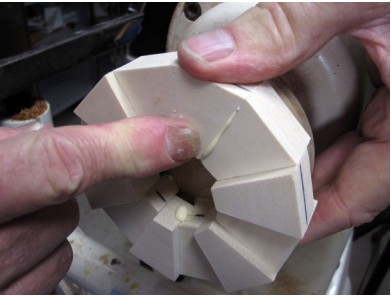
Remove the rubber band



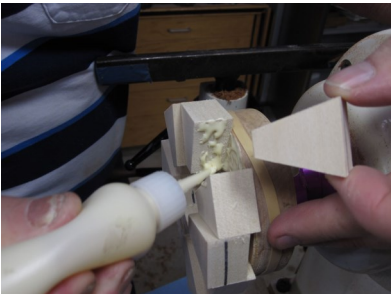
One at a time, remove a raised segment and apply glue to all the surfaces.



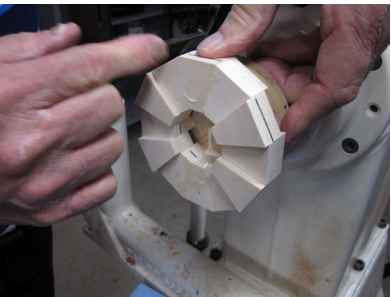
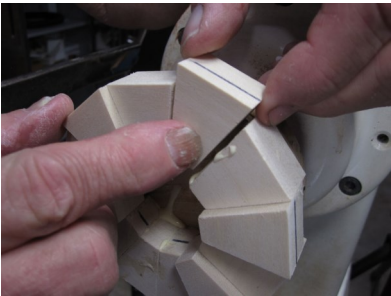
Replace the segment.



With considerable pressure, force the segment into place. Any debris or dried glue will keep the joint from being perfect. At this point you can see the quality of the joint.



Repeat this process alternating segments that are across from each other.



Again, apply considerable pressure to insure a tight joint. This process is very strong, and you need not worry about knocking segments loose.

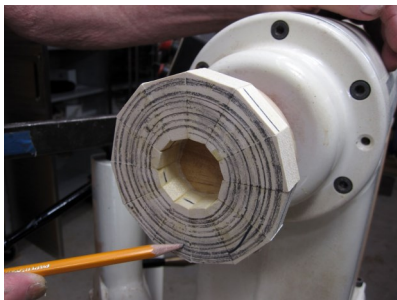




Finally, the last one!



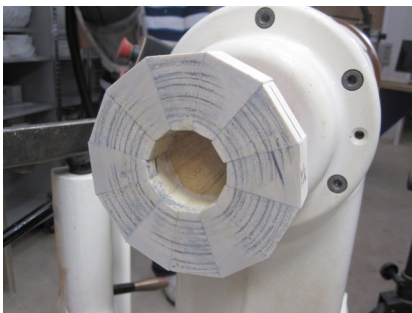
Remove any excess glue from the center of the ring.



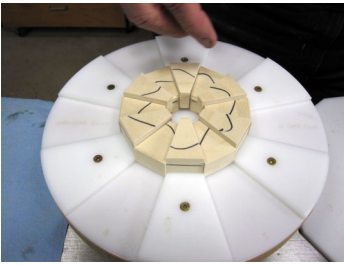
Mark with a pencil.



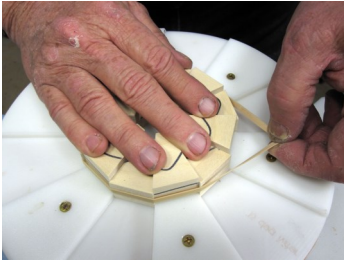
I use a piece of PVC plastic with a sheet of 80-grit sandpaper attached, to flatten the ring. The advantage of this process is that no expensive drum sander is required.



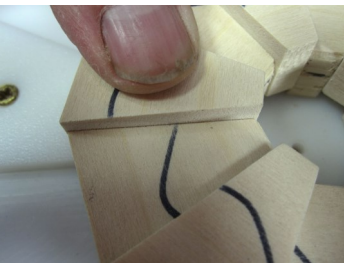
Sand until all pencil marks are gone. This one is not quite there yet.



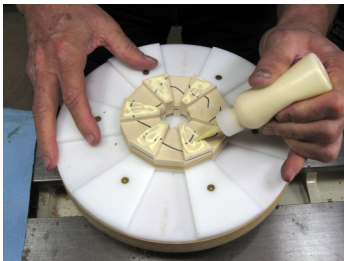
Do subsequent layers using the same process.



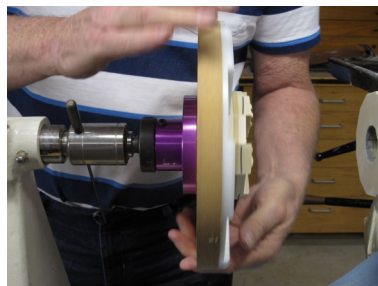
Rubber band.



Make sure everything fits snugly.

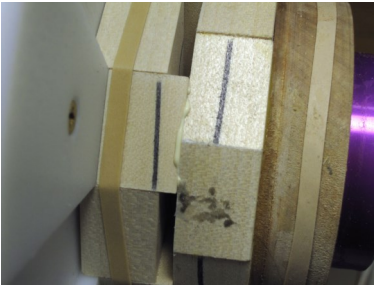


Glue application.

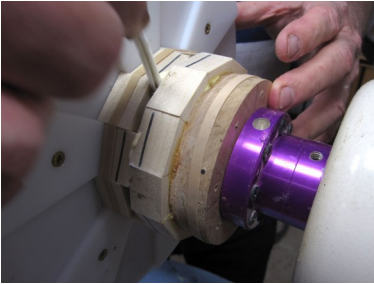


Install on tailstock.

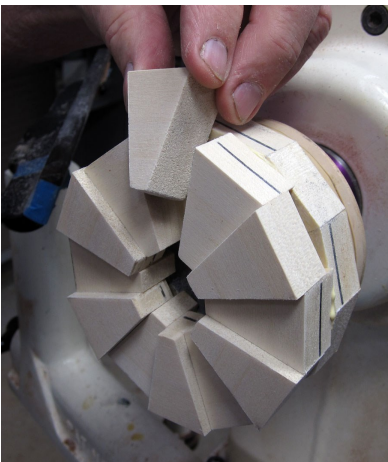
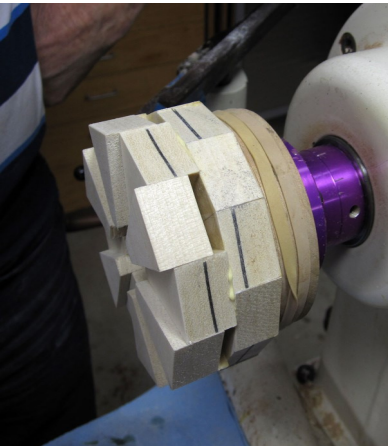




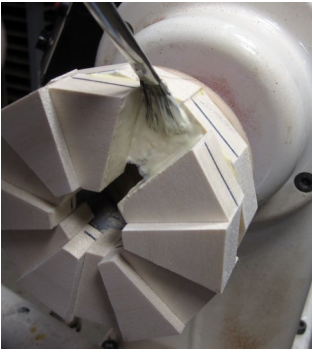
Stagger the segments.



Glue cleanup.



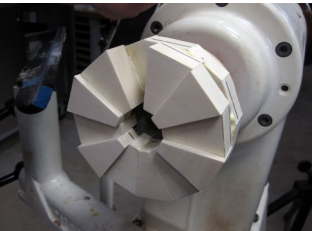
Glue segments in place as before.



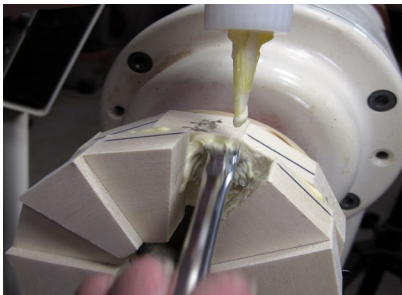
This time I used a small brush which works much better.



Be sure to use enough pressure to insure tight joints.

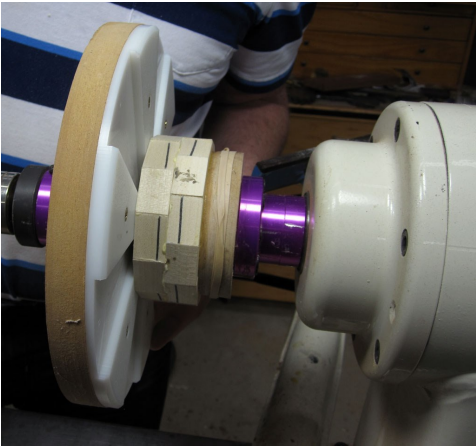
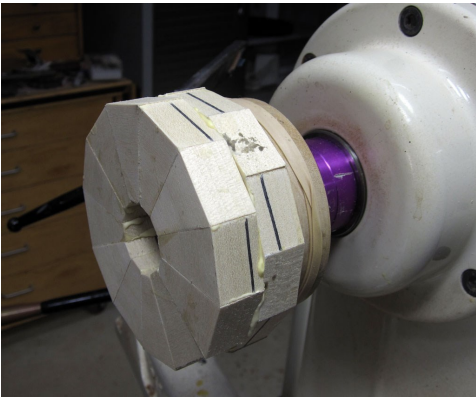


Alternate segments as before.



Remember to use plenty of pressure.





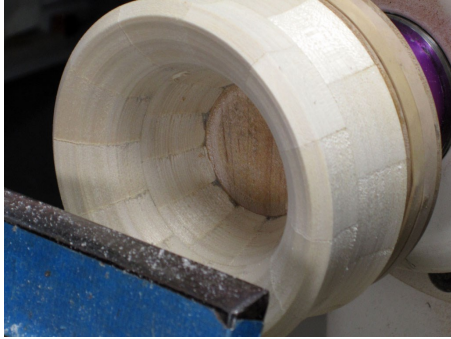
I usually tighten the plate with just enough pressure to help set the glue.



I will let the glue set for about 15 minutes before proceeding with the next layer. I use regular Tite-Bond glue.



I turned a bit of it to see how the glue joints were doing.



Looks pretty good!