

Assembling the Fixture

Give all parts a coat of wipe on poly and sand lightly. Drill two small holes in the front face of the offset assembly 180° apart about 1/8" outside the 4" hole of the offset assembly. These are for small flat head screws and washers that lock the inset circle in place and keep it from turning. The screw holes should be close enough to the 4" hole so the washers will extend over the 4" hole. Glue sandpaper in the bottom of the 4" hole. This helps to keep the inset circle from turning and also raises it slightly above the offset assembly so the locking screws and washers will hold it tightly in place. Place the inset circle in the 4" hole in the offset assembly and lock in place with the two screws and washers. **(If it is too loose, put tape around the outer edge of the inset circle to keep it centered. Drive a finish nail through the small center hole into the back but leave the head exposed. Cut off the exposed nail head, remove the inset circle, remove the tape and cut off the finish nail slightly below the front surface of the offset assembly. The nail will act as an axle for the inset circle to turn on while keeping it centered. However, if the fit is good, the nail will not be necessary.)**

Draw a short arrow on the offset assembly at the circular joint between the inset circle and offset assembly pointing toward the center of the 4" inset circle, and a mark on the inset circle opposite the point of the arrow and label it as zero. Make sure the locking screws and washers are tight and mount the fixture in your chuck. Using a forstner bit, drill a 1" diameter hole 1/4" deep in the circle insert (Figure 9). This produces an accurate zero offset for the pendant mount with the associated zero mark (Sorry, I forgot to draw the arrow and zero mark before taking the picture in Figure 9). Replace the forstner bit with the correct sized bit to drill a clearance hole for a 1" flat head screw through the inset circle at the point left by the forstner bit.

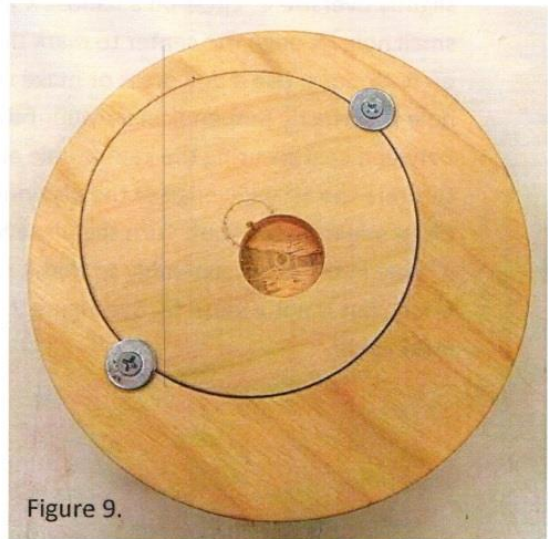


Figure 9.

Remove the inset circle and drill a countersink on the side opposite the 1" hole. Glue sandpaper in the bottom of the 1" hole of the inset circle. Place the 1" tenon of the pendant mount in the 1" hole of the inset circle and hold in place with a 1" flat head screw from the back side. You may have to enlarge the existing small hole in the pendant mount to prevent the screw from splitting the tenon. Also, you may have to grind off the tip of the 1" flathead screw so it does not protrude past the front surface of the tenon mount. Figures 10 and 11 are the front and back of the inset circle with the pendant mount installed.