

LED BOTTLESTOPPER KIT

Kit Features:

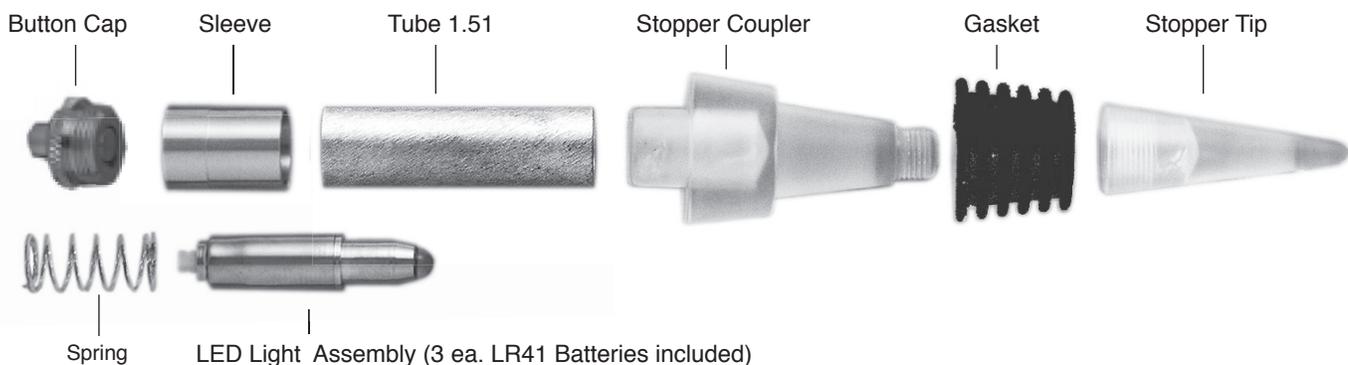
- Frosted Base maximizes Light
- Gasket Seals Bottle and Protects Wine
- Easy to Turn With Straight Tube
- Minimal Parts--Easy to Assemble
- Overall Length:4-5/16"
- Make on a 7mm mandrel

Required Accessories:

- 7mm Pen Mandrel
- Drill Bit: 15/32" - PK-1532
- Bushing Set(2 pc): BSLEDBU
- Barrel Trimming set:PKTRIM734 with PKTYBTS trim sleeve
- Live Tailstock or Mandrel Saver
- 2 part Epoxy or Thick CA (Cyanoacrylate) Glue
- Pen Blank Minimum Size:1-3/4" x 1"
- Battery Replacement: 3 ea. LR41

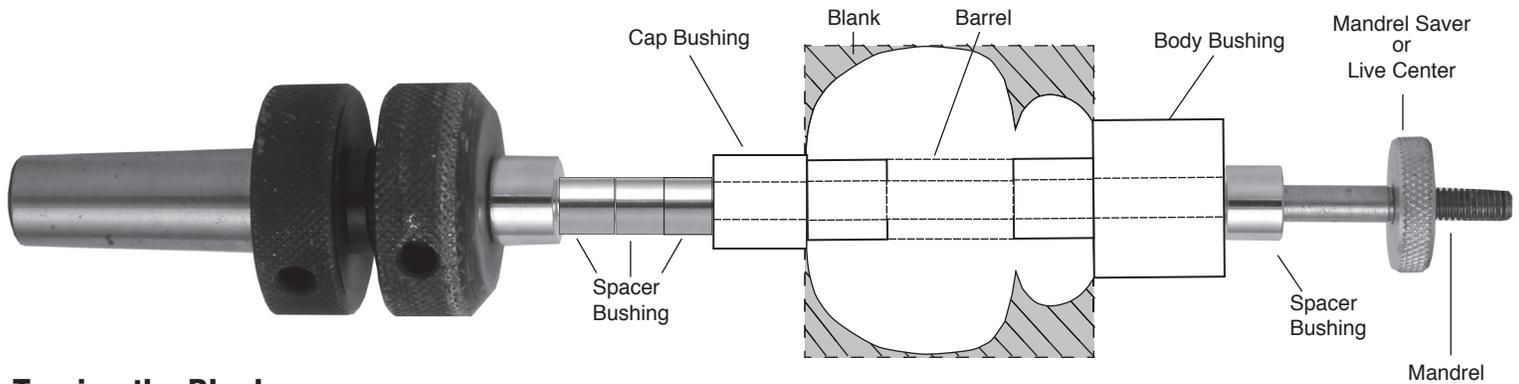


DIAGRAM A / PARTS LAYOUT



Preparing the Blank:

- Cut blank to the length of the tube, adding 1/16" for squaring off.
- Drill 15/32" hole lengthwise through the blank.
- Spread glue over the tube, insert the tube into the blank with a twisting motion to spread the glue evenly inside.
- Center the tube lengthwise inside the blank.
- When the glue is dry, square the ends of the blanks, making sure the trimmed ends are 90° to the tube. Use a PKTRIM7 barrel trimmer PKTYBTS, or a pen blank squaring jig with a 15/32" sleeve on a disc sander. Take the excess material down flush to the ends of the tubes. Do not trim past the end of the tube since this may interfere with the operation of the mechanism and assembly. Use a barrel trimmer to clean the inside of the tube.

DIAGRAM B / TURNING THE BLANKS**Turning the Blank**

- Mount the bushings and blanks according to diagram B.
- Thread on the knurled nut and hand tighten to hold all components in place.
- Slide the Tailstock up snugly against the Mandrel shaft, inserting the live center point into the Mandrel dimple. Lock Tailstock.
- Hand tighten the quill adjustment on the tailstock to steady the mandrel. Do not over-tighten, it could damage the mandrel shaft. When using Mandrel Saver, there is no need for extra spacer bushings or the knurled nut. Slide tailstock directly against bushings and tighten until blank and bushings are secure.
- Using sharp tools, turn the blank down close to the bushing diameters. Turn the barrel to a profile of your choice. It is recommended that the Cap end be rounded and turned larger than the bushing. Use the Cap Bushing as a general guide of how much space you have to create around the Button Cap
- Sand the blank, gradually increasing sandpaper grits.
- Finish the barrel using your choice of polish. Allow Sufficient time for the polish to cure—refer to polish instructions.

Assembly

- Arrange parts according to Diagram A.
- Press Sleeve into Cap end of Barrel.
- Press non-threaded end of Stopper Coupler into other end of Barrel.
- Slide Gasket over smaller, tapered portion of Coupler.
- Thread Stopper Tip onto Coupler
- Insert Light Assembly into the the cap end of the barrel.
- Screw Button Cap into sleeve.
- To turn LED on and off, press button on cap. Stopper is now ready to use with your favorite wine.
- Battery replacement: Unscrew LED front end of light assembly
- Replacement batteries: 3 ea. LR41

Diagram C / Bushings #BSLED