

For easy fingering, some buttons need to be offset from the key center line. To do this, key 5 in the lower row needs a small triangular piece glued on **right** side and keys 11, 12, & 13 need a small triangle glued on the **left**. The relationship between the top and bottom row of buttons is very important for proper fingering. The button spaces of the upper and lower rows should nearly align between buttons 2&3, 5&6, 9&10, on lower row (these are the B&C, E&F, B&C notes). Be sure that keys are inserted so that tabs for buttons are on lower side for lower keys and upper for upper row of keys. (consulting plans for these steps is very important).

3. □ Preparing and installing buttons

Lay out dark and light sticks of button stock. The dark stock is for the lower row of buttons.

- Dimensions for cutting buttons:

Lower row: #1 @ 1/8", #2 @ 1", #3 & 4 @ 13/16",

#5 & 6 @ 3/4", #7 & 8 @ 11/16", #9-13 @ 19/32"

Upper row: #1 & 2 @ 1 1/2", #3 @ 1 5/16", #4 @ 1 1/8",

#5 @ 1 1/16", #6 @ 13/16", #7 @ 7/8", #8 @ 13/16",

#9 & #10 @ 5/8".

Working on lower /dark row:

- Remove keys 5, 11, 12, & 13 from key chest and place on flat

surface covered with kitchen plastic wrap

- Using 12 minute epoxy, glue key offset triangles onto right side of the 5th

key and to the left side of

keys 11, 12, & 13 of bottom row. Be careful to keep triangles flush with key

surface. 11 key may not need triangle.

- Sand off excess glue

- Put keys back in key chest

- Dry fit entire row of buttons on keys before gluing in place. Adjust as needed

for good fit. **Beginning with middle keys and working to left and right will**

make spacing the buttons much easier.

- Use 30 minute epoxy

- Starting with 4th black button positioned flush with the left side of the 4th key, continue to glue

buttons spaced 1/16" apart working to the right.

Add black buttons #5-9 spacing them 1/16" apart from the 4th key

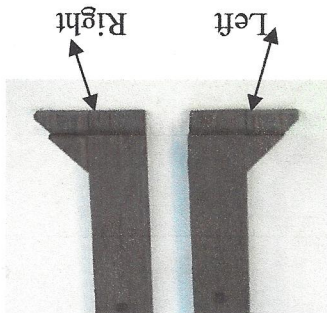
- Next glue the black buttons on one key at a time starting with the 9th button

as you maintain 1/16" spacing from the 8th key. You may use the 10th key

for alignment, being careful not to glue 10th key to the 9th button.

Give epoxy time to harden before adding next button.

You may find it easier to do only a few keys at a time so work at your own pace and comfort level. Since the epoxy is slow curing, you will want to check occasionally that the buttons are staying where you want them as they can slide about for awhile. Remember to keep them aligned and straight with 1/16" between each button.



triangle

