CIGAR-BOX UKULELE KIT



PARTS LIST:

Cigar Box Pre-cut String Board Set of 4 Strings 4 Zither Pins 1 Clock Key Plastic Nut Plastic Bridge 20 Flat Toothpicks Flatpick 2 Wood Screws, 3/4" 2 Cup Washers Assembly Instructions

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TOOLS & SUPPLIES YOU WILL NEED:

Elmer's Wood Glue Damp Rag Pencil Sanding Block (100 grit) Wire Cutter Hammer Screwdriver Drill



7. Dressing the frets: It is important to have all the frets level across the tops. Use your sanding block to GENTLY sand the tops of the frets, just enough to make sure they all get touched by the sandpaper. Take care not to break any frets off, or sand them down to nothing!

8. Once the frets are level, we like to sand the edges of each fret to remove the sharpness. This makes the guitar more comfortable to play. Just a light sanding at an angle will do the job nicely.



If pounding, it is best to work on the floor, using a large wood block for a pad. Be sure to keep the angled peghead flat on the work surface -- otherwise you might break it off.

ONE MORE HINT: It is helpful to orient the tiny holes in the tuning pins so they face the ends of the string board. This will make stringing go faster.

10. Install the plastic nut and bridge into the slots provided in the string board. No glue required. These plastic parts are identical, but they must be oriented correctly.

Notice that the string grooves are cut in the plastic at a slope. These grooves should slope down toward each end of the string board. That way, the strings will make final contact with the plastic at the point facing the playing area.

STRINGING AND TUNING

11. Now you can begin stringing. Check the tuning chart and string package for the proper order of strings.

Tie one end of each string to the tail end of the string board as shown. This is a very simple process of threading the end of the string around the loop two or three times so that the string does not slip when pulled.

If the string slips under tension, you could add a simple overhand knot at the end to prevent the end from pulling around the loop.

NOTE: If you wish to string the instrument for left-handed playing, you will simply reverse the string order.













12. Thread the other end of the string through the correct tuning pin and use the clock key to turn the tuning pin clockwise to wind the string up to pitch. Nylon is stretchy, so it will require multiple tunings before the instrument will stablize.

If you need tuning assistance, check our free on-line keyboard sounds at www.harpkit.com/freetuner. You can click on each note of the keyboard to hear the pitch (C4 is Middle C).

windings go downward

NOTE: The tuning pins screw downward into the wood as you turn them. If you happen to break a string, be sure to "unscrew" the tuning pin to raise it back up before installing the replacement string.

13. We like to attach the string board to the cigar box lid using two screws and cup washers from the inside of the box. The question often arises about where to attach to a cigar box lid. We like to avoid covering nice artwork (as shown on a couple samples on the cover photo), but sometimes the instrument just looks better with the neck centered on the box. So this is a judgment call on your part. The benefit of attaching the neck with screws is that you can always move it to a different position or another box in the future.

When you decide where to mount the neck, use some double-side tape to hold the wood in place as you open the lid and drive the screws into the wood. You should drill small pilot holes (3/32) drill) for the screws to avoid splitting the wood.

OPTIONS: Each cigar box is different. Some have clasps to hold the lid shut, others don't. You can just hold the box shut with a rubber band, or you can look for some sort of hasp or latch at the hardware store. Gluing a ribbon from the box to the lid is a nice touch -- we used superglue to hold each end of the ribbon to the wood. A 48" piece of nylon webbing or sturdy ribbon makes a perfect strap. Use superglue or a short screw to to fasten the strap to the box.



