

How-To Guide: Installing the C.B. Gitty Foundry Tone Pre-Wired 4-String Single Coil Pickup Harness with Volume and Tone™



This is a guide to help you install a **C.B. Gitty Foundry Tone Pre-Wired 4-String Single Coil Pickup Harness with Volume and Tone™** ([product # 54-020-01](#)) in your cigar box guitar.

With this guide and a handful of common tools, you will install this pickup with ease.

Using the volume and tone controls in this pickup harness you'll have total command of how loud and proud your cigar box guitar will sound.

When done you'll be ready to strum the blues, play searing leads, or whatever you like.

Let's begin.

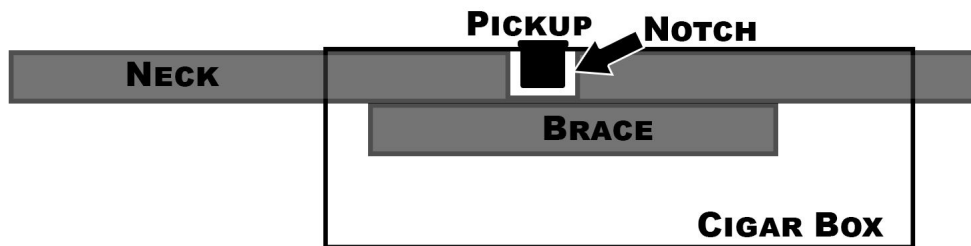
Tools needed for this project

- Ruler
- Drill / driver
- File / rasp
- Awl
- Small saw - eg. jigsaw, keyhole saw, or coping saw
- Phillips screwdriver or bit for drill / driver

- Drill bits - $\frac{3}{32}$ " , $\frac{21}{64}$ " , $\frac{3}{8}$ " (2mm, 8mm, 10mm)
- Razor knife
- socket wrench & sockets (10mm, 12mm), wrenches, or adjustable wrench

Some notes before you begin

- Single coil pickups, when plugged in, often emit a slight hum. Consider referring to [this article](#) to learn more about said hum and methods of eliminating it.
- Depending on how low you set your pickup once installed, it could extend $\frac{5}{8}$ " (16mm) below the box lid. This depth may require you to brace, and cut a recess into, your neck to fit the pickup. See the diagram below for an idea of how to do this - use glue and screws to attach the brace to the notched portion of the neck. Only make the notch as deep as is needed to accept the pickup. One option: make a vertical cut with a saw on either side of the notch (and some in the center) and then use a wood chisel to cut out the center.



Directions

Mock-up

Take the time to lay out your pickup on the cigar box. This will allow you to see where the pickup will be installed. The mock-up also allows you to see where to best fit the jack, volume and tone controls.

Keep in mind where you may install other components such as the bridge and box corners. While designing the layout, also keep in mind where your strumming hand will be; you'll want to keep the volume and tone controls out of the way while playing your cigar box guitar.



Cut the hole for the pickup

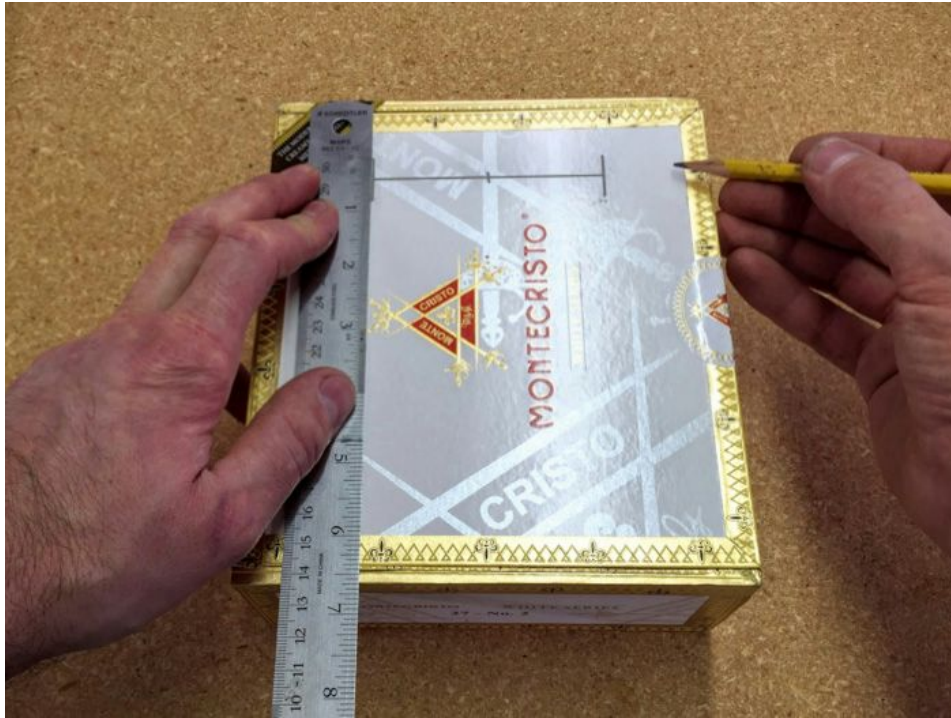
The hole for the pickup will be $3\frac{1}{2}$ " x $\frac{3}{4}$ " (89mm x 19mm).

1. Determine where the center of the pickup will be and mark that location.



2. Draw $1\frac{3}{4}$ " (44.5mm) lines to both sides of the center location, to make a single straight line $3\frac{1}{2}$ " in length, centered on the box lid.

3. Draw $\frac{3}{4}$ " (19mm) lines at both ends of the line drawn in step 2. These $\frac{3}{4}$ " (19mm) lines will be centered on, and perpendicular to, the line drawn in step 2.



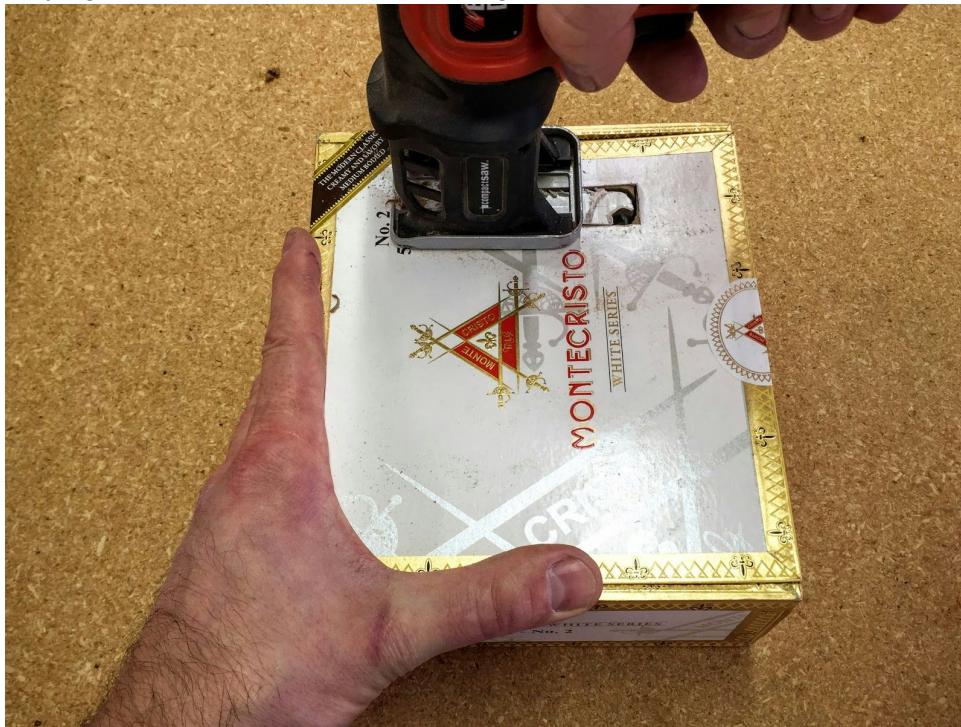
4. Draw a rectangle by connecting the ends of the $\frac{3}{4}$ " (19mm) lines to each other.
5. Use the razor knife to score the lines of the rectangle.



6. Use your largest bit to drill a hole in at least one inside corner of the rectangle.



7. Insert your saw into the drilled hole.
8. Staying inside the lines, cut the rectangle out of the box.



9. File the rough edges of the rectangular hole.



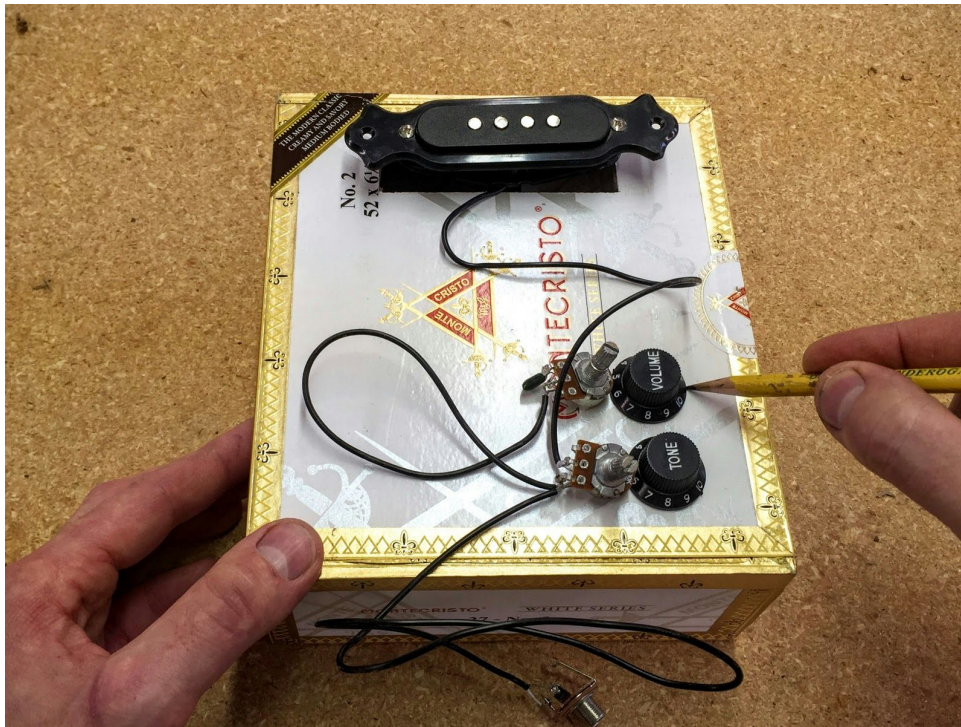
10. Periodically check the size of the hole by test-fitting the pickup. The widest point on the base of the pickup should be inserted first.

11. When satisfied, remove the pickup.

Drill holes for the jack, volume and tone controls

1. Mark the location where the jack is to be installed.

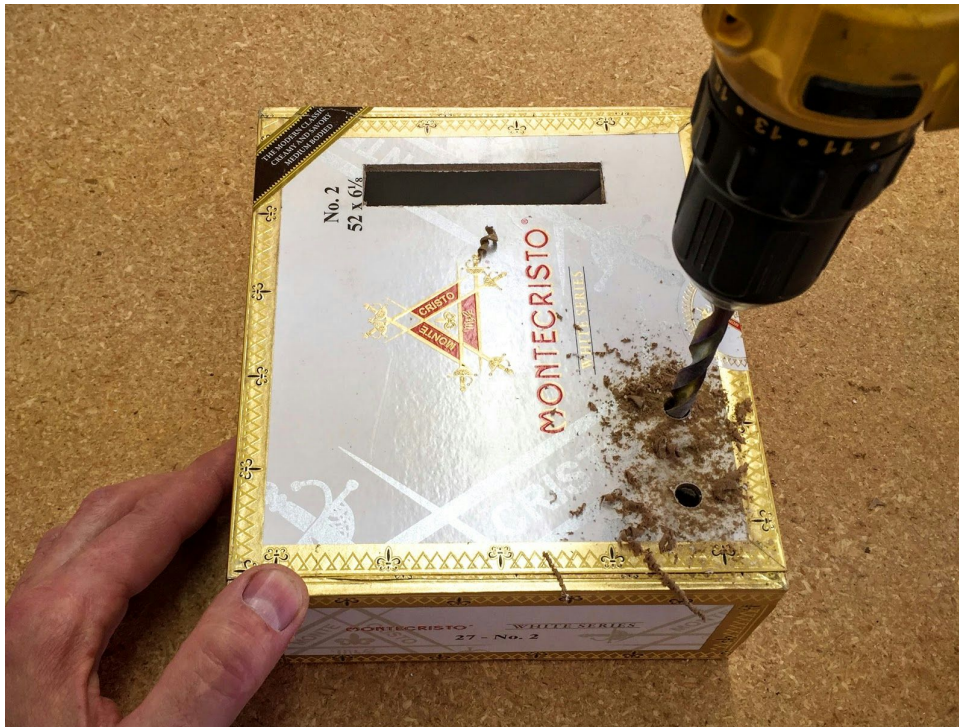
2. Mark the locations where the volume and tone controls are to be installed.



3. Use the awl to poke holes in the locations marked in steps 1 and 2.
4. Use the $\frac{3}{8}$ " (10mm) bit to drill the hole for the jack.



5. Use the $\frac{21}{64}$ " (8mm) bit to drill holes for the volume and tone controls.



Thicker boxes may require you to thin the inside of the sides or lid for these components. This will ensure the components can be secured with an adequate amount of threads exposed. Use a rasp or other method to thin down the inside wall until the threaded shafts protrude through enough to get the nuts on.

Mount the pickup

1. Leading with the widest point on the base, insert the pickup into the hole.
2. Through the mounting screw locations in the mounting plate, use the awl to poke holes in the lid.
3. Use the $\frac{3}{32}$ " (2mm) bit to drill holes for the mounting screws.



4. Fasten the pickup to the cigar box with the mounting screws.

Fasten the jack, volume and tone controls

1. One by one, insert the components into the drilled holes.
2. Use the washers and nuts to fasten the jack, volume and tone controls.



3. Use the 12mm socket to fasten the jack.
4. Use the 10mm socket to fasten the volume and tone controls.
5. Push the volume and tone caps onto the shafts of the volume and tone controls.



And there you have it! You've successfully installed the **C.B. Gitty Foundry Tone Pre-Wired 4-String Single Coil Pickup Harness with Volume and Tone™**. You are ready to rock, roll, and jam until the neighbors are pounding on your door.

Remember, you can always turn the volume down... or not.