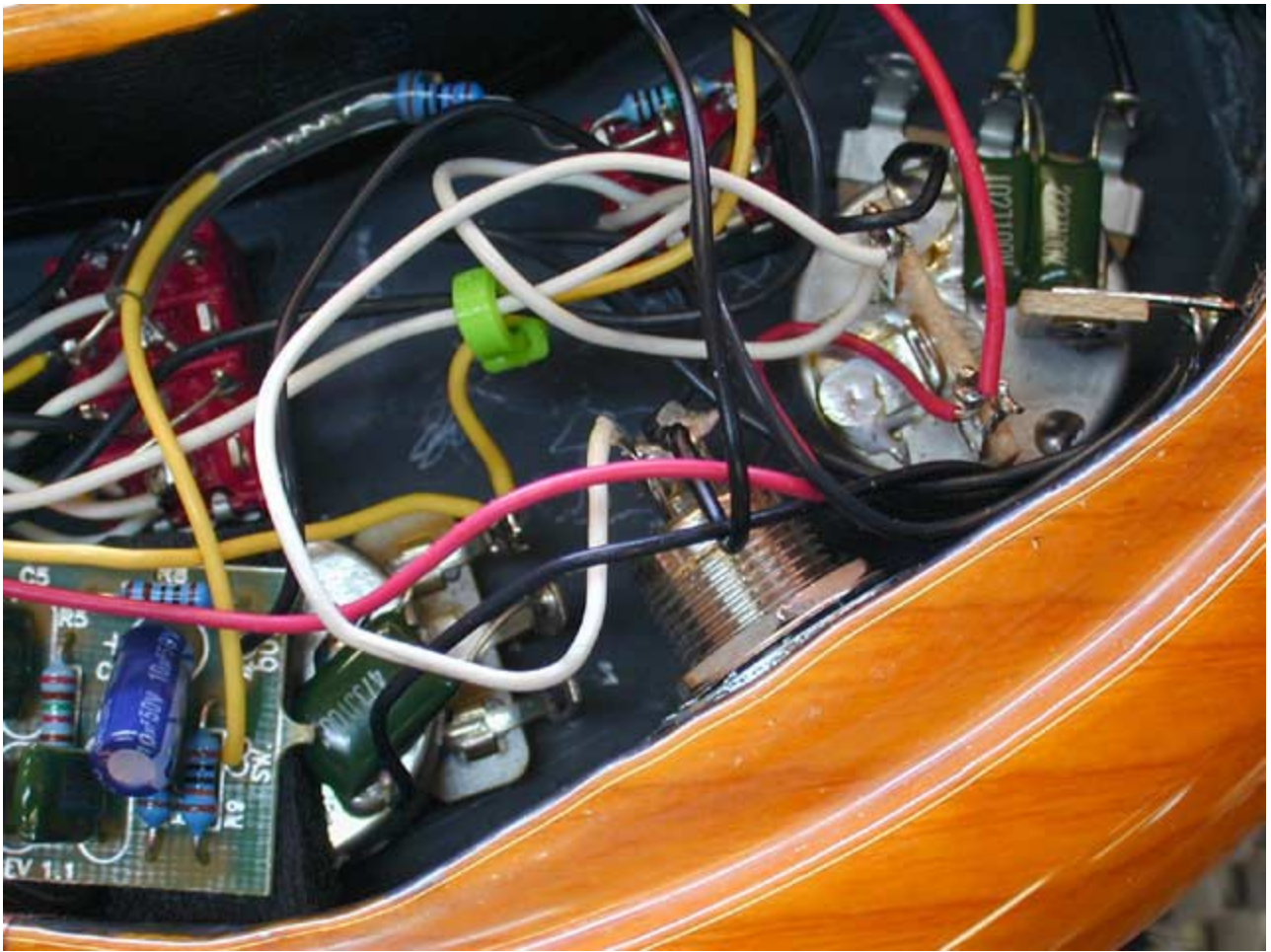


## Jack replacement procedure for G&L L Series basses, ASAT basses, JB-2 basses, and ASAT guitars.

The mechanical aspects of this procedure can be followed for the G&L ASAT series guitars and for passive basses that use this style jack. Note that passive and active instruments use different jacks, mono and stereo respectively.



Minimum tools needed (L-R): #3 Easy-out, 1/4" wrench, 9/16" wrench, small hammer, small and large long nose pliers, #1 point Phillips screwdriver, wood or leather mallet, soldering iron, and fine wire rosin-core solder. The long nose pliers are used to help manage wires.



Remove the control cavity cover and carefully move wires to clear access to the jack. Make a pencil note of which wires go where: black from ground goes to sleeve, black from battery goes to ring, white from terminal strip goes to tip. De-solder these leads, being careful to not melt any wire's insulation.



This is what you should be left with. Position the leads you just de-soldered out of the way for now. Use the 9/16" wrench to loosen the nut on the inside of the cavity, then spin it off by hand. Remove the flat and star washers and save everything for re-use.



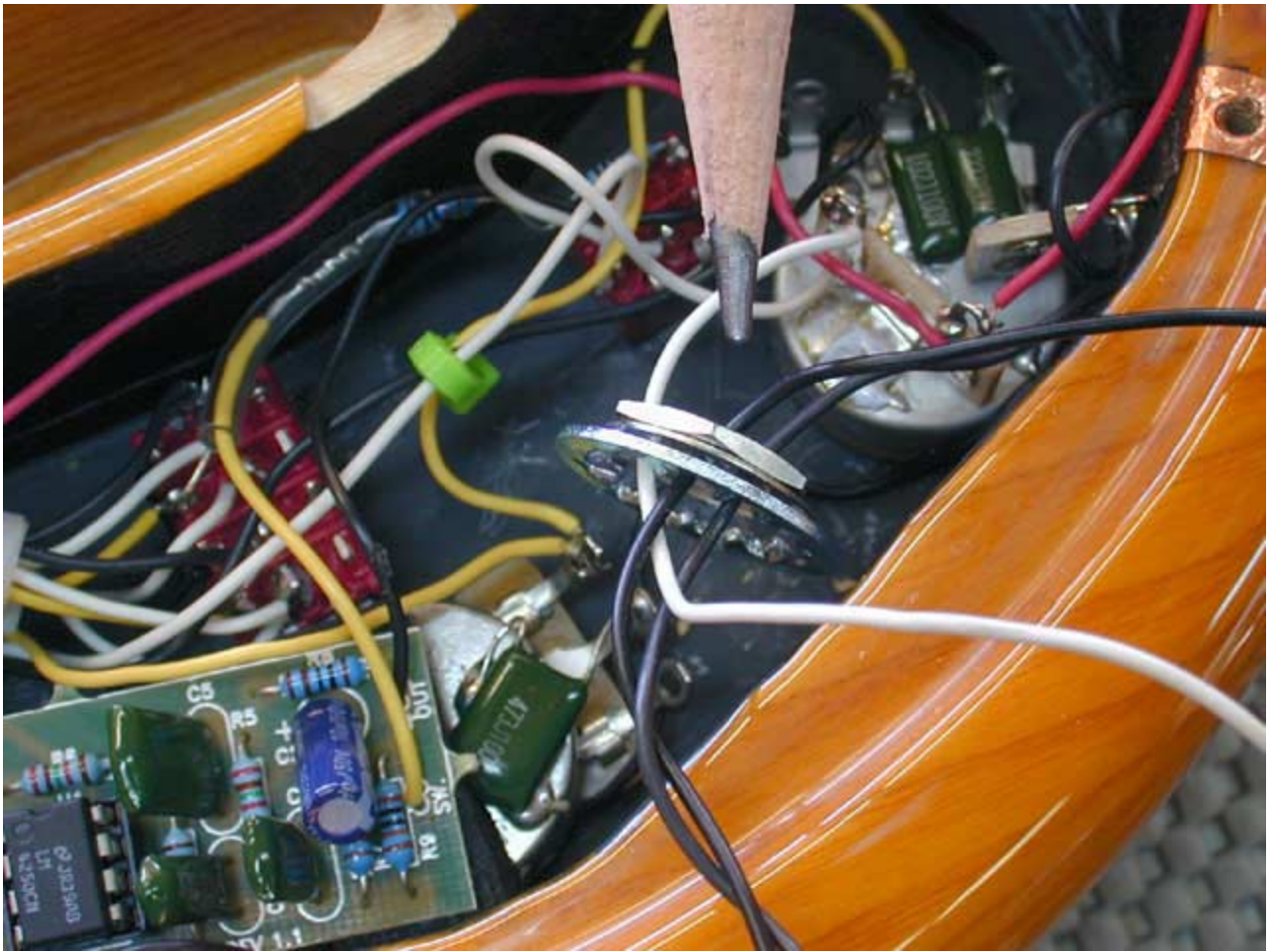
This is the size and type Easy-out to use; a square #3. The square will bite into the jack socket a lot better than the spiral fluted type.



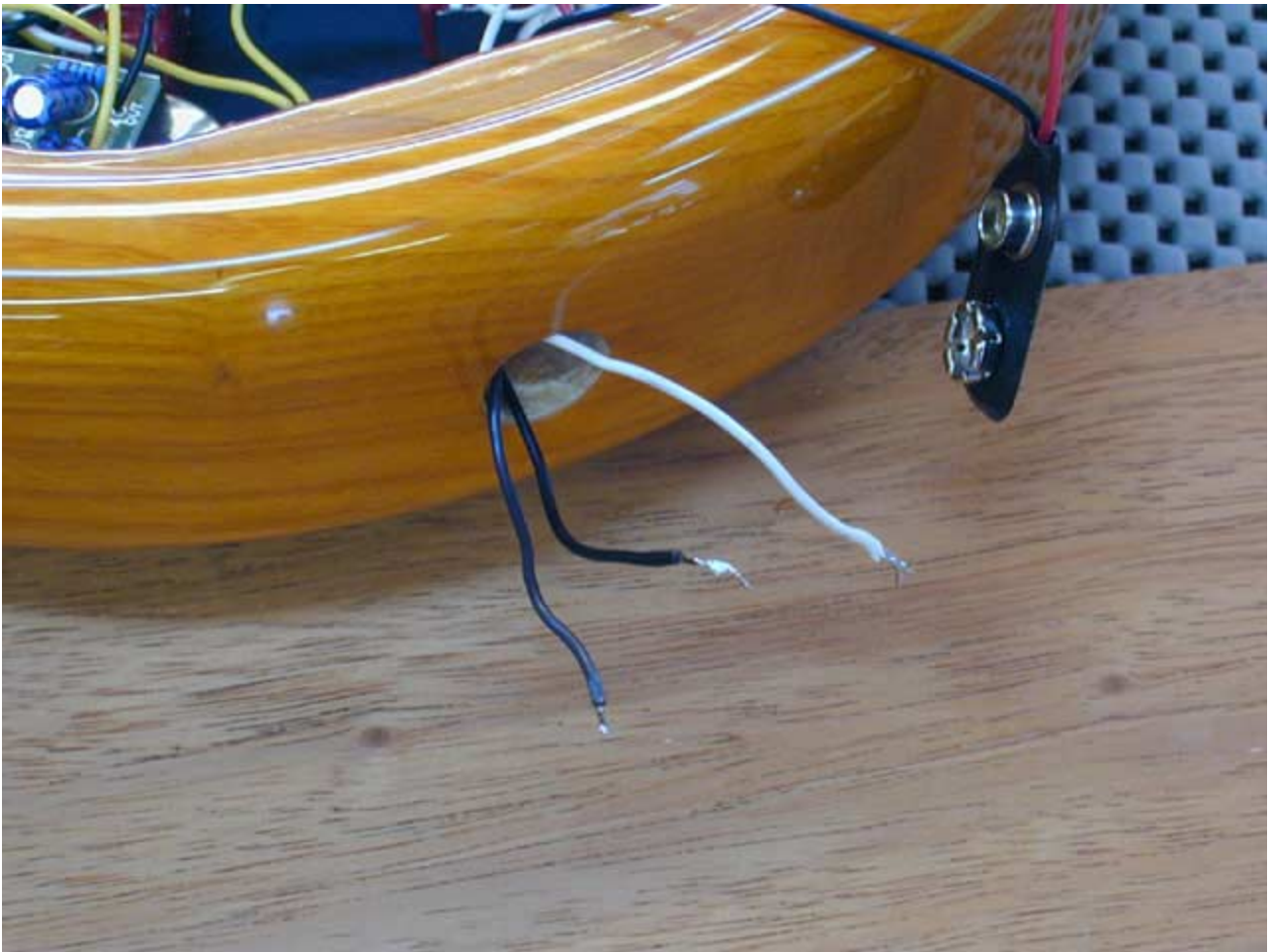
Insert the Easy-out into the jack and give it 2-3 firm strikes with the hammer. Don't go crazy! You're just trying to get it to bite into the sides of the jack. It shouldn't take too much because the metal of the jack is fairly soft. Unscrew the jack from the body using the 1/4" wrench. Avoid using a pair of pliers or a Crescent wrench because they're inaccurate and/or too big and unwieldy.



This is the order that the parts are assembled to body. Keep this in mind as you...



Thread the nut, the star washer, and a flat washer over the three wires. Then...



Thread the wires out through the jack hole. Now...



This is a genuine Switchcraft 1/4" deep panel stereo jack, available from better electronics outlets. Cut off all but about 3/8" of the ground lug from the new jack so that it looks like...



This.



Thread a flat washer and the felt washer onto the jack like this.



Solder your wires to the jack from your notes (You did make notes, right?), then carefully drive the jack into the body with your mallet. If you don't have a wooden or leather mallet, you can use a piece of wood by holding it against the jack and striking the wood firmly with a hammer. Again, don't go crazy. A few firm strikes and the jack flange should be tight to the body.



Once the jack flange is tight against the body, thread the washers and nut on inside the cavity. Tighten the nut snugly with your 9/16" wrench, taking great care not to strip the threads. You have a lot of leverage on a thin section nut, so you really do have to exercise care when tightening.

Re-install your cavity cover and you're done!