

Neck Angle Jig Instructions

Features:

- All aluminum construction
- Large knobs for easy adjustment of pitch and angle
- Lock knobs hold settings during use

How to use:

The ELEVATE Neck Angle Jig turns a common 6x48 stationary belt sander into a neck setting tool. When you receive your Neck Angle Jig, it will need to be attached to your sander. There is a slot on the back of the jig intended for this purpose. For my sander, I attached the Neck Angle Jig to a bracket on the back of the machine with a piece of scrap wood and some threaded inserts. Your situation may be different depending on the machine you're using. Be creative. The important part is making sure everything is solid and secure and that the neck blank aligns properly over the belt. Once the jig is attached to your sander, it's ready to use.

To begin, inspect the fit of the neck blank to the body and make note of how the set angle and pitch need to change. An easy method for doing this is to use centerlines for the pitch and a straight edge held down the length of the neck for the set angle. More often than not you'll want the end of the neck square to the neck's centerline and the set angle set back just enough that a small gap is created over the top when a straight edge is held on the neck and body (.030" for example).

Now move over to the Neck Angle jig. With the machine powered off, place the neck on the sanding belt and adjust the jig to match the neck blank's current angle and pitch.



From there, adjust the jig to move the neck in the directions it needs to go. Then lock these settings in place with the lock knobs.

Mark the bottom of the neck blank with a pencil to keep track of your progress while sanding. With the neck removed from the sander, turn the machine on and register the neck against the jig's 3 contact points. Then slide the neck down to make contact with the sanding belt and begin sanding. Check your progress occasionally and stop when all pencil marks are removed.

Head back over to the body and check your pitch and set angle again. Repeat this process until you've achieved the perfect fit for your instrument. Now you're ready to route the connection joint in the body and neck.

***More of a visual learner? Check out the video tutorial on the ELEVATE site.
ElevateLutherie.com***